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Joe Martens
Commissioner

February 24, 2015

Electronic mail Only

Sarah Dolinar (sdolinar@dsny.nyc.gov)
Solid Waste Management Dir., Environmental Review
NYC Department of Sanitation
44 Beaver Street, 12th Floor
New York, NY 10004

Re: Soil Management Plan
South West Brooklyn Converted Marine Transfer Station
NYSDEC Permit No. 2-6106-00002/00022
South West Brooklyn Marine Transfer Station Revised Soil Management Plan

Dear Ms. Dolinar:

New York State Department of Environmental Conservation (department) staff have reviewed the February 12, 2015 proposed changes from Donald Menz, of the LiRo Group, to the above-referenced document which was approved by the department in a letter to you dated November 10, 2014. Specifically, the number of soil samples to be collected is proposed to be reduced from 116 to 57 samples. This reduction in the number of samples to be collected is necessitated due to an error in the subcontractor's interpretation of the design team's grid layout sampling scheme, which is shown in Drawing Plate # 01 in the above-referenced document. Whereas each grid of varying size already accounted for 500 cubic yards of material to be excavated within its footprint, the subcontractor, Impact Environmental, mistakenly assumed that the entire volume of each grid had to be excavated, thereby calculating a higher quantity of material to be excavated and a corresponding larger number of samples to be collected.

After careful review of the proposed changes to the South West Brooklyn Converted Marine Transfer Station Soil Management Plan, the request to reduce the number of samples to be collected, based on the request and justification with the supporting documentation, is hereby granted.

Sincerely yours,

Kenneth B. Brezner

Kenneth B. Brezner, P.E.
Regional Materials Management Engineer

ec: S. Arakhan/M. Assi/B. McBurnie
Donald Menz, LiRo Group (Menzd@liro.com)
Juan Cuervo, DDC (cuervoju@ddc.nyc.gov)
File
(DSNY_SouthWest_Brooklyn_MTS_SMP_Mod_Approval.2015-02-24.letter.doc

URS LiRo
A Joint Venture

March 03, 2015

Mr. Samsudeen K. Arakhan, P.E.
Regional Solid Materials Engineer
New York State Dept. of Environmental Conservation
47-40 21st Street
Long Island City, New York 11101

URS/LiRo JV Letter: 053

Re: SW Brooklyn Marine Transfer Station (Block 6943 Lot Part of 30)

Subject: Southwest Submittal #02105-002-001 In-Situ Field Sampling Summary Report.

Dear Mr. Arakhan:

Attached for your review and approval is a Summary Field Sampling Report as well as a CD of both the Summary Report and the respective test data for each of the 57 grid samples taken on the SW Brooklyn Marine Transfer Site.

Summarizing briefly, three of the 57 site grids have lead levels that warrant the classification of the soil material in these areas as hazardous. They are all next to each other at the water's end of Bay 41st Street. The report recommends additional sampling to delineate the limits of the lead contamination.

Also attached is a brief review by the Certified Industrial Hygienist for the Project, Louis Berger, of the raw data from the three specific soil samples. The review offers Berger's opinion on the level of protection that it considers to be appropriate for working in these areas.

Please note that the subject Summary Report was structured to address the needs of the General Contractor with respect to the excavation and proper disposal of soil materials off site. The Contractor has no intent to re-use any of the existing material on site nor does the Contract language permit re-use of excavated materials. Accordingly, the Report presently does not compare soil test results against either Residential Protection Levels or Groundwater Protection Levels as your Office had requested as part of our February 10, 2015 discussion at your office. It does, however, compare soil test results against Restricted Residential Protection Levels.

If the DEC still requires a comparison of the soil test results against Residential and Groundwater protection levels even though the Contractor does not intent to re-use any of the existing soil, then please advise and we will pursue this amendment of the report with the Contractor.

In the meantime, your immediate attention is requested to the soil test results at hand. The Contractor intends to begin removal and disposal of existing material. In addition, we are looking for direction from the DEC with regard to necessary additional testing and the handling of material in Grid Sectors WC51, WC52 and WC56 as a result of elevated lead levels.

Your immediate attention is appreciated.

Regards,

Donald Menz, P.E.
Project Manager
URS/LiRo JV

Attachments:

1. Impact Environmental Field Sampling Summary Report issued February 18, 2015.
2. L. Berger review of field sampling results for 3 grids, dated February 20, 2015.
3. Electronic CD with Field Test Results for 57 Grid samples at SW Brooklyn MTS site.

Cc:

K. Brezner – NYS DEC
J. Cuervo, - DDC w/Att. Nos. 01 and 02 only.
S. Dolinar, V. Arnold, H. Kallman – DSNY w/Att. Nos. 01 and 02 only.
M. Balarezo, V. Bogatyrev - URS/LiRo

Louis Berger

February 20, 2015

Mr. Donald Menz, P.E.
Project Manager
The LiRo Group
111 Broadway, Suite 501
New York, New York 10006

RE: Review of In-Situ Soil Field Sampling Summary Report

Dear Mr. Menz,

At your request, Louis Berger has reviewed the In-Situ Soil Field Sampling Summary Report prepared by Impact Environmental dated February 18, 2015. Specifically, you had asked about the applicability of the OSHA standards based upon a review of the sampling results.

Background

At the end of January and early February of 2015, Impact Environmental was at the Brooklyn Southwest Marine Transfer Station project (herein, referred to as the "Site") and collected 57 samples for waste characterization purposes. Samples were collected in a grid pattern for the areas where excavation will take place.

Results Discussion

Sample results indicate that three (3) composite samples/grids contained RCRA (40 CFR 260) characteristic hazardous waste material: WC51, WC52, and WC56. The sample locations are grids are as seen below in an excerpt of the Figure 2 map provided in the report. The remainder of the samples/grids does not contain any hazardous wastes to 7 feet below surface grade.

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The maximum soil concentration of lead found at the Site was 566 mg/kg or 0.0566 %. Using the maximum soil concentration of lead, it is possible to calculate the amount of airborne particulate necessary to reach a particular OSHA permissible exposure limit (PEL) or "action level" (AL) using the formula below:

$$X = \frac{\text{PEL or AL}}{\text{Max. \% of contaminant}}$$

where x = airborne particulate level needed to reach PEL or AL

In this case, below are the calculations that show what particulate levels would need to be reached for a full 8-hour shift to reach the OSHA PEL and AL, respectiviely, for lead:

$$X = \frac{50\ \mu g/m^3\ \text{(8-hr. PEL)}}{0.0566} \qquad X = \frac{30\ \mu g/m^3\ \text{(8-hr. AL)}}{0.0566}$$

$$X = 883.39\ \mu g/m^3\ \text{(8-hr. PEL)} \qquad X = 530.04\ \mu g/m^3\ \text{(8-hr. AL)}$$

Looking at the particulate levels needed to reach the OSHA AL or PEL for lead, in combination with perimeter monitoring particulate levels to date and dust control measures required at the Site, it is a fair assumption that there is a <u>not reasonable possibility</u> that lead particulate exposures to site workers involved in excavation or soil disturbance could exceed either the OSHA limits for lead.

Conclusions and Recommendations

The OSHA Hazardous Waste Operations and Emergency Response (HAZWOPER) standard, 29 CFR 1926.65 <u>does not apply</u> to operations as the Site as it is not recognized as an uncontrolled hazardous waste site by any governmental body nor have cleanup operations been required by a governmental body. Additionally, the scope of the OSHA HAZWOPER standard would not apply if it can be demonstrated that the operations at the Site do not involve employee exposure or the reasonable possibility for employee exposure to safety or health hazards.

The OSHA Lead in Construction standard, 29 CFR 1926.62 <u>does apply</u> to to operations where lead contamination exists. The standard allows for the use objective data, as described in the Results discussion above, as the basis for an initial determination to demonstrate that a particular product or material containing lead or a specific process, operation or activity involving lead cannot result in employee exposure to lead at or above the action level during processing, use, or handling. **However exposure monitoring is required to confirm that employee exposures are below the AL.** So long as employee exposures are determined to be below the AL, the only other requirement would be that workers receive lead awareness training in accordance with the standard.

Although it has been assumed that worker exposures to lead at the Site will be below the AL, there are long term liability issues to consider, such as site workers coming back years

after working at the Site claiming they were "exposed" and suing all parties involved. Given the litigious nature/culture that has emerged over recent years, Louis Berger recommends a conservative approach whereby workers are required to wear personal protective equipment even though exposure to lead is highly unlikely. Additionally, documenting exposures to both workers and the public through air monitoring is another protective measure that can be taken. With that thought process in mind, Louis Berger offers the following recommendations:

- All workers who have **direct contact** with soils in any of the three (3) grids where hazardous waste was identified by the Impact Environmental field sampling should meet the following requirements:
  - Lead awareness training
  - Personal exposure monitoring for lead (for each job classification) performed by an industrial hygienist
  - Minimum PPE:
    - Disposable outer suit;
    - Disposable inner gloves;
    - Disposable outer boots; and
    - N-95 particulate respirator.
  - Upon leaving Work Area:
    - Remove disposable PPE; and
    - Wash hands/face before eating, drinking or smoking.
- All workers who do not have direct contact with soils, but who contact the surface in any of the three (3) grids where hazardous waste was identified by the Impact Environmental field sampling should meet the following requirement:
  - Lead awareness training.
  - Standard PPE (hardhat, safety glasses, steel-toed boots, reflective vest)
- Conduct perimeter monitoring for lead to document exposures/emissions during all soil disturbance activities in three (3) grids where hazardous waste was identified.
- The Activity Hazard analyses for site operations should be updated to reflect this information and requirements.

Feel free to contact me at 212-612-7943 with any questions.

Sincerely,

Joseph L. Sbarra, CIH

Joseph L. Sbarra, CIH
Certified Industrial Hygienist

cc: M. Balarezo (URS/LiRo JV)
C. Napolitano (Louis Berger)
A. Port (Louis Berger)

SOUTHWEST BROOKLYN MARINE TRANSFER STATION
PRISMATIC DEVELOPMENT CORPORATION
SUBMITTAL COVER SHEET

Project Name: SOUTHWEST BROOKLYN MARINE TRANSFER STATION

Contract No. 1: **GENERAL CONSTRUCTION WORK**

Contractor's Name: **PRISMATIC DEVELOPMENT CORPORATION**

Date: ***Thursday, February 19, 2015***

Item: ***In-Situ Soil Field Sampling Summary Report***

Specifications: **In-situ Soil Analysis**

Section: **02105**

Page No.: **7-8**

Para. No.: **1.05.A.3**

Contract Drawing No.: **C-007.00**

Location: **Site**

Submittal No.: **02105 . 002** **Review Cycle No.:** **001**

Shop Drawing Reference No.:

Source company name: **Impact Environmental**

Approved By: **Mike Cortese**

PDC Notes for Reviewer:

Field Sampling Summary Report

Project:

Southwest Brooklyn Marine Transfer Station
Brooklyn, NY

Submitted To:

Prismatic Development Corp.
400 Bay 41st Street
Brooklyn, NY 11214

Submitted By:

Impact Environmental Consulting, Inc.
170 Keyland Court
Bohemia, NY 11716

Document Control:

Issue Date	Version No.	Approved By	Signature
February 18, 2015	1.0	Richard Parrish, P.G.	

TABLE OF CONTENTS

1.0 INTRODUCTION 4
- **1.1 Purpose 4**
- **1.2 Scope 4**
- **1.3 Project Description 4**

2.0 BACKGROUND 6
- **2.1 Description of Site 6**
- **2.2 Description of Regulated Materials 6**
- **2.3 Previous Findings 6**

3.0 FIELD INVESTIGATION 8
- **3.1 Field Procedures 8**
- **3.2 Sample Procurement 8**
- **3.3 Sample Laboratory Analysis 9**

4.0 OBSERVATIONS AND RESULTS 10
- **4.1 Subsurface Observations 10**
- **4.2 Analytical Results 10**

5.0 CONCLUSIONS AND RECOMMENDATIONS 16

LIST OF FIGURES, TABLES, AND APPENDICES

FIGURES:

Figure 1: Site Location Map
Figure 2: Sample Location Map
Figure 3: Summary of Exceedances over Part 375 Unrestricted Use SCOs
Figure 4: Summary of Exceedances over Part 375 Restricted Residential SCOs
Figure 5: Summary of Exceedances over NJ RDCSRS
Figure 6: Summary of Exceedances over NJ NRDCSRS
Figure 7: Summary of Exceedances over PADEP Clean Fill Standard
Figure 8: Summary of Exceedances over PADEP Regulated Fill Standard
Figure 9: Summary of Exceedances over EPA RCRA TCLP Limits

TABLES:

Table 1: Sample Results in Comparison with Part 375 Unrestricted Use SCOs
Table 2: Sample Results in Comparison with Part 375 Restricted Residential SCOs
Table 3: Sample Results in Comparison with NJ RDCSRS
Table 4: Sample Results in Comparison with NJ NRDCSRS
Table 5: Sample Results in Comparison with PADEP Clean Fill Standard
Table 6: Sample Results in Comparison with PADEP Regulated Fill Standard
Table 7: TCLP & Miscelleous Results in Comparison with EPA RCRA Limits

APPENDICES

Appendix A: Environmental Boring Logs
Appendix B: Daily Project Summary Quality Control Reports
Appendix C: Laboratory Analytical Reports

1.0 INTRODUCTION

1.1 Purpose

This Field Sampling Summary Report (FSSR) was prepared for Prismatic Development Corp (Prismatic), with respect to the Southwest Brooklyn Marine Transfer Station Building Construction Project (project) at 1824 Shore Parkway, Brooklyn, New York (site; see **Figure 1**: **Site Location Map**). The Site currently contains subsurface structural remnants of a solid waste incinerator plant and associated parking areas and driveways on a 172,080 square foot irregular shaped lot. The Project involves the construction of a new land-based waste transfer station structure and associated parking areas and driveways.

The FSSR presents data collected from the waste characterization investigation activity performed during January 26, January 28 through January 30, and February 2 through February 5, 2015. The investigation included the construction of 57 environmental borings and the collection of 57 sets of waste characterization samples and 6 sets of duplicate samples for the purpose of providing data to support handling and off-site disposal of excavated overburden materials (materials) generated from the planned excavation and earthwork for the project outlined in the New York City Department of Design and Construction (DDC) Addendum to the General Conditions Specifications for Furnishing All Labor and Materials Necessary and Required for Southwest Brooklyn Marine Transfer Station – Building Construction Contract No.1 (Contract). The characterization investigation results will be used to determine how the materials are to be managed for recycling or off-site disposal and/or beneficial reuse as solid waste.

1.2 Scope

The scope of this document was based upon industry standard sampling and analysis protocols, regulatory agency guidance criteria and regulations, and targeted disposal site acceptance criteria provided in the Field Sampling Plan prepared by Impact Environmental Consulting, Inc. (“Impact Environmental”) dated February 4, 2015 (FSP).

1.3 Project Description

The Site is located at Gravesend Bay, at the southern terminus of 25th Avenue and west of Shore Parkway, in the borough of Brooklyn. The Site is a peninsula of reclaimed land that was created by filling behind cofferdams. It was used as an incineration plant for solid waste. The Project involves the redevelopment of the Site into a marine waste transfer station. The Project requires excavation of approximately sixty percent of the southwestern portion of the Site; a 172,080 square feet area that is bordered between Bay 41st Street and 25th Avenue. The total volume of surplus materials to be removed from the site is estimated to be between 20,000 to 25,000 cubic yards.

1.4 Document Control

This FSSR is subject to review and approval by a variety of entities working on behalf of the DDC. The document is labeled with a two digit coding that can range from 1.0 to 9.9. As iterations of revisions are made to the document prior to approval by the DDC the code will increase by 1.00. When a final version has been approved by the DDC that version will be marked “FINAL”. In that the Project involves many dynamic operational and administrative procedures, subsequent revisions to the “FINAL” version may be required. Where revisions are approved and notice sent, the version number will change by intervals of 1/10th (from .1 to .9). The revision notice will provide replacement pages for pages in the previous version and a replacement cover sheet showing the new version code and the date of the revision approval. The cover will include a full list of all previous version codes and approval dates. All tables and figures referenced herein are provided at the end of the body of this document.

2.0 BACKGROUND

2.1 Description of Site

The Project area is located at Gravesend Bay, at the southern terminus of 25th Avenue and west of Shore Parkway, in the borough of Brooklyn. The Site is located on a peninsula of reclaimed land that was created by filling behind cofferdams. It was used as an incineration plant for solid waste as a part of the former Southwest Brooklyn Solid Waste Marine Transfer Station.

2.2 Description of Regulated Materials

Reportedly (2004), the portions of the subsurface of the Site that will be disturbed during the planned excavation activities contains "uncontrolled fill" that includes soil (sand and gravel) mixed with anthropogenic material and material fragments of concrete, brick, gravel, cinder blocks, wood, ash, and /or slag, with some vegetation on the surface. 6 NYCRR Part 375, defines such soil-like material in New York State as "Historic Fill". The nature and concentrations of contamination reported to exist in this fill is consistent with "Historic Fill" detected throughout New York State.

As some of the most economically viable options for the off-site disposal of Historic Fill are at facilities located within the States of New Jersey and Pennsylvania, the materials will be further described relative to New Jersey and Pennsylvania codes, rules and regulations where final disposition is likely. In New Jersey, some or all of the Historic Fill may qualify as an industrial waste (ID-27) due to the presence of slag (pursuant to NJAC 7:26E-1.8, *Historic Fill* in New Jersey specifically cannot contain slag). In Pennsylvania Historic Fill may qualify as either a Regulated Fill or Residual Waste due to the presence of slag. Determinations with respect to its proper classification will be based on testing that is performed consistent with the Pennsylvania Department of Environmental Protection (PADEP) Management of Fill Policy (MFP).

2.3 Previous Findings

Previous environmental and geotechnical sampling and analysis performed in 2004, reported that the Site is contaminated with concentrations of volatile organic compounds (VOCs),

semivolatile organic compounds (SVOCs) and inorganic metal analytes. With respect to environmental sampling 16 soil samples were secured from 8 borings constructed within the Project footprint. In 12 of the 16 samples, these contaminants were detected at concentrations above the NYSDEC soil action guidelines that would prompt removal. However, none of the samples exhibited characteristics of a hazardous waste for toxicity, reactivity, ignitability or corrosivity. More details of this investigation are included in the FSP prepared by Impact Environmental dated February 4, 2015.

3.0 FIELD INVESTIGATION

The field sampling activities were performed by Impact Environmental. A third party laboratory, Phoenix Environmental Laboratories, Inc., was utilized to perform the analysis of the samples, and to prepare certified test reports. All site-work was performed in accordance with the FSP prepared by Impact Environmental dated February 4, 2015.

3.1 Field Procedures

Environmental borings were completed using a van-mounted Geoprobe® 6600. Impact Environmental completed one borings in each of 57 waste characterization grids for a total of 57 borings, identified as WC1 through WC57 (**Figure 2: Sample Location Map**). Borings were advanced to depths of planned excavation.

Samples were collected continuously from each boring to the final depth. Samples were collected into 2-inch diameter, 5-foot long macro-core sample barrels with new, dedicated acetate liners. Samples retrieved from each boring were screened for visual, olfactory, and instrumental evidence of anthropogenic impacts. Instrument screening for the presence of volatile organic compounds (VOCs) was performed with a photoionization detector (PID) equipped with a 10.6 electron volt (eV) lamp.

3.2 Sample Procurement

Waste characterization samples were collected according to the FSP. A total of 63 sets of grab and composite samples (including 6 sets of duplicate samples) were collected for 57 waste characterization grids. This is equivalent to an average sampling frequency of 1 sample set per 500 cubic yards. For each set of samples, one grab sample was collected from the depth interval exhibiting greatest visual, olfactory, and instrumental evidence of anthropogenic impacts, if observed. This grab sample was collected using the EPA SW846 Method 5035A and was designated for VOCs analysis. Four more grab samples were then collected from other randomly determined depth intervals and were mixed with the remaining of the first grab sample to make up a 5-point composite sample. The composite sample was designated for the remaining of the planned analysis.

3.3 Sample Laboratory Analysis

As described in the FSP, grab samples from each sample set were analyzed for VOCs by Environmental Protection Agency (EPA) Method 8260. Composite samples were analyzed for the following as required by the contract:

- Total Semi-Volatile Organic Compounds - USEPA Test Method 8270
- Total Poly Chlorinated Biphenols – USEPA Test Method 8082
- Total Organochloride Pesticides – USEPA Test Method 8081
- Total Herbicides – USEPA Test Methods 8151
- Total Metals – USEPA Test Method 6010
- Total Cyanide – USEPA Test Method 9012A
- Total Hexavalent Chromium – USEPA Test Method 7196A/3060A
- Total Petroleum Hydrocarbons (GRO & DRO - to C44) – USEPA Test Method 8015M
- TCLP Leachable Extraction – USEPA Method 1311
  - Leachable Metals from extraction (8 RCRA + Cu, Ni and Zn) – USEPA Method 6010
- TCLP Semi Volatile Organic Compounds – USEPA Test Method
- TCLP Herbicides – USEPA Test Methods 8151
- TCLP Volatile Organic Compounds – USEPA Test Method 8260
- Total Sulfur – ASTM D129 or equivalent
- Total Volatile Organic Compounds – USEPA Test Method 8260
- Ignitability Characteristic – USEPA Test Method 1010A
- Reactivity Characteristic – SW846 Chapter 7.3
- Corrosivity Characteristic – USEPA Test Method 9045C

4.0 OBSERVATIONS AND RESULTS

4.1 Subsurface Observations

The majority of the site surface is unpaved, with the exception of existing roadways, which was covered by approximately 6 to 12 inch thick asphalt pavement.

The site surface is generally underlain by a historic fill layer consisting of brown-to-dark medium-to-coarse sand with some brick, concrete, coal ash, gravel and wood to depths of approximately 3 to 7 feet below grade (ft bg). The historic fill layer is underlain by a second, distinct native fill layer consisting of predominantly sand.

No staining or odor was observed. Coal ash was observed at a number of boring locations. Boring logs are provided in **Appendix A**.

4.2 Analytical Results

Laboratory analytical results were compared to 6 NYCRR Part 375 Unrestricted Use and Restricted Residential Soil Cleanup Objectives (SCOs), New Jersey Residential and Non-Residential Direct Contact Soil Remediation Standards (NJ RDCSRS and NRDCSRS), PADEP Clean and Regulated Fill Standards, and EPA RCRA Limits. Analytical results are summarized below. A summary of the laboratory analytical results is provided in **Tables 1** through **Table 7** and **Figure 3 through Figure 9**. Complete laboratory analytical reports are provided in **Appendix C**.

Analytical Results Compared with New York Part 375 Unrestricted Use SCOs

Laboratory analytical results indicate that samples outlined below contain one or more VOCs, SVOCs, pesticides, polychlorinated biphenyls (PCBs) and/or metals at concentrations exceeding 6 NYCRR Part 375 Unrestricted Use SCOs:

WC 1 1-2	WC 8 COMP	WC 24 1-2	WC 38 COMP	WC 46 2-3	WC 52 2-3 COMP
WC 1 COMP	WC 9 2-3	WC 24 COMP	WC 39 2-3	WC 46 COMP	WC 53 6-7 GRAB
WC 2 2-3	WC 9 COMP	WC 25 1-2	WC 39 COMP	WC 47 2-3	WC 53 COMP

WC 2 COMP	WC 10 1-2	WC 25 COMP	WC 40 1-2	WC 47 COMP	WC 54 3-4 GRAB
WC 4 1-2	WC 10 COMP	WC 29 2-3	WC 40 COMP	WC 48 2-3	WC 54 COMP
WC 4 COMP	WC 15 2-3	WC 29 COMP	WC 41 1-2	WC 48 COMP	WC 55 2-3
WC 5 1-2	WC 15 COMP	DUP WC 29 2-3	WC 41 COMP	WC 49 1-2	WC 55 COMP
WC 5 COMP	WC 16 1-2	DUP WC 29 COMP	WC 42 1-2	WC 49 COMP	WC 56 4-5 GRAB
WC 6 1-2	WC 16 COMP	WC 35 1-2	WC 42 COMP	WC 50 2-3	WC 56 COMP
WC 6 COMP	WC 17 1-2	WC 35 COMP	WC 44 1-2	WC 50 COMP	WC 57 2-3
DUP WC6 1-2	WC 17 COMP	WC 36 2-3	WC 44 COMP	WC 51 2-3	WC 57 COMP
DUP WC6 COMP	WC 20 1-2	WC 36 COMP	WC 45 2-3	WC 51 COMP	
WC 7 1-2	WC 20 COMP	WC 37 4-5	WC 45 COMP	DUP WC 51 2-3	
WC 7 COMP	WC 23 1-2	WC 37 COMP	DUP WC 45 2-3	DUP WC 51 COMP	
WC 8 1-2	WC 23 COMP	WC 38 1-2	DUP WC 45 COMP	WC 52 2-3 GRAB	

The distribution of the analytes that exceeded 6 NYCRR Part 375 Unrestricted Use SCOs is outlined below:

- VOC exceedances including Benzene, Methylene Chloride and Total Xylenes were reported for 3 samples. Methylene Chloride was detected at 130 ppm for WC 57 2-3, and is considered as a laboratory contaminant.
- SVOC exceedances including Benzo-a-Anthracene, Benzo-a-Pyrene, Benzo-b-Fluoranthene, Benzo-k-Fluoranthene, Chrysene and/or Indeno(1,2,3-cd)Pyrene were reported for 10 samples.
- Pesticide exceedances including 4,4-DDD, 4,4-DDE, 4,4-DDT and/or Aldrin were reported for 3 samples.
- Total PCB exceedances were reported for 3 samples.
- Metal exceedances including Barium, Cadmium, Chromium (hexavalent and/or trivalent), Copper, Lead, Mercury, Nickel, Silver and/or Zinc were reported for 40 samples.

Analytical Results Compared with New York Part 375 Restricted Residential SCOs

Laboratory analytical results indicate that samples outlined below contain one or more SVOCs and/or metals at concentrations exceeding 6 NYCRR Part 375 Restricted Residential SCOs:

WC 2 2-3	WC 25 1-2	WC 39 2-3	WC 48 2-3	DUP WC 51 2-3

WC 2 COMP	WC 25 COMP	WC 39 COMP	WC 48 COMP	DUP WC 51 COMP
WC 8 1-2	WC 29 2-3	WC 41 1-2	WC 50 2-3	WC 52 2-3 GRAB
WC 8 COMP	WC 29 COMP	WC 41 COMP	WC 50 COMP	WC 52 2-3 COMP
WC 24 1-2	DUP WC 29 2-3	WC 44 1-2	WC 51 2-3	WC 54 3-4 GRAB
WC 24 COMP	DUP WC 29 COMP	WC 44 COMP	WC 51 COMP	WC 54 COMP

The distribution of the analytes that exceeded 6 NYCRR Part 375 Restricted Residential SCOs is outlined below:

- SVOC exceedances including Benzo-a-Anthracene, Benzo-a-Pyrene, Benzo-b-Fluoranthene, Benzo-k-Fluoranthene, Chrysene and/or Indeno(1,2,3-cd)Pyrene were reported 10 samples;
- Metal exceedances including Barium, Cadmium, Chromium (trivalent), Copper, Lead, Mercury and/or Nickel for 8 samples.

Analytical Results Compared with NJ RDCSRS

Laboratory analytical results indicate that samples outlined below contain one or more SVOCs, PCBs and/or metals at concentrations exceeding NJ RDCSRS:

WC 2 2-3	WC 10 COMP	WC 25 1-2	WC 36 COMP	DUP WC 45 2-3	WC 51 COMP
WC 2 COMP	WC 12 1-2	WC 25 COMP	WC 38 1-2	DUP WC 45 COMP	DUP WC 51 2-3
WC 5 1-2	WC 12 COMP	WC 26 2-3	WC 38 COMP	WC 47 2-3	DUP WC 51 COMP
WC 5 COMP	WC 15 2-3	WC 26 COMP	WC 39 2-3	WC 47 COMP	WC 52 2-3 GRAB
WC 6 1-2	WC 15 COMP	WC 29 2-3	WC 39 COMP	WC 48 2-3	WC 52 2-3 COMP
WC 6 COMP	WC 16 1-2	WC 29 COMP	WC 41 1-2	WC 48 COMP	WC 53 6-7 GRAB
DUP WC6 1-2	WC 16 COMP	DUP WC 29 2-3	WC 41 COMP	WC 49 1-2	WC 53 COMP
DUP WC6 COMP	WC 23 1-2	DUP WC 29 COMP	WC 44 1-2	WC 49 COMP	WC 56 4-5 GRAB
WC 8 1-2	WC 23 COMP	WC 35 1-2	WC 44 COMP	WC 50 2-3	WC 56 COMP
WC 8 COMP	WC 24 1-2	WC 35 COMP	WC 45 2-3	WC 50 COMP	
WC 10 1-2	WC 24 COMP	WC 36 2-3	WC 45 COMP	WC 51 2-3	

The distribution of the analytes that exceeded NJ RDCSRS is outlined below:

- SVOC exceedances including Benzo-a-Anthracene, Benzo-a-Pyrene, Benzo-b-Fluoranthene, Benzo-k-Fluoranthene and/or Indeno(1,2,3-cd)Pyrene were reported for 28 samples;
- Total PCB exceedances were reported for 3 samples.
- Metal exceedances including Lead were reported for 5 samples.

Analytical Results Compared with NJ NRDCSRS

Laboratory analytical results indicate that samples outlined below contain one or more SVOCs and/or metals at concentrations exceeding NJ NRDCSRS:

WC 2 2-3	WC 10 COMP	WC 25 1-2	WC 36 COMP	WC 47 2-3	DUP WC 51 COMP
WC 2 COMP	WC 12 1-2	WC 25 COMP	WC 39 2-3	WC 47 COMP	WC 52 2-3 GRAB
WC 5 1-2	WC 12 COMP	WC 26 2-3	WC 39 COMP	WC 48 2-3	WC 52 2-3 COMP
WC 5 COMP	WC 15 2-3	WC 26 COMP	WC 41 1-2	WC 48 COMP	WC 53 6-7 GRAB
WC 6 1-2	WC 15 COMP	WC 29 2-3	WC 41 COMP	WC 49 1-2	WC 53 COMP
WC 6 COMP	WC 16 1-2	WC 29 COMP	WC 44 1-2	WC 49 COMP	WC 56 4-5 GRAB
DUP WC6 1-2	WC 16 COMP	DUP WC 29 2-3	WC 44 COMP	WC 50 2-3	WC 56 COMP
DUP WC6 COMP	WC 23 1-2	DUP WC 29 COMP	WC 45 2-3	WC 50 COMP	
WC 8 1-2	WC 23 COMP	WC 35 1-2	WC 45 COMP	WC 51 2-3	
WC 8 COMP	WC 24 1-2	WC 35 COMP	DUP WC 45 2-3	WC 51 COMP	
WC 10 1-2	WC 24 COMP	WC 36 2-3	DUP WC 45 COMP	DUP WC 51 2-3	

The distribution of the analytes that exceeded NJ NRDCSRS is outlined below:

- SVOC exceedances including Benzo-a-Anthracene, Benzo-a-Pyrene, Benzo-b-Fluoranthene, Benzo-k-Fluoranthene, Dibenzo-a,h-Anthracene and/or Indeno(1,2,3-cd)Pyrene were reported for 27 samples;
- Metal exceedances including Lead were reported for 1 sample.

Analytical Results Compared with Pennsylvania Clean Fill Standard

Laboratory analytical results indicate that samples collected from the depth intervals of the waste characterization zones outlined below contain one or more VOCs, SVOCs and/or metals at concentrations exceeding Pennsylvania Clean Fill Standard:

WC 2 2-3	WC 7 1-2	DUP WC 29 2-3	WC 41 1-2	WC 51 2-3	WC 52 2-3 GRAB
WC 2 COMP	WC 7 COMP	DUP WC 29 COMP	WC 41 COMP	WC 51 COMP	WC 52 2-3 COMP
WC 6 1-2	WC 29 2-3	WC 39 2-3	WC 48 2-3	DUP WC 51 2-3	WC 56 4-5 GRAB
WC 6 COMP	WC 29 COMP	WC 39 COMP	WC 48 COMP	DUP WC 51 COMP	WC 56 COMP

The distribution of the analytes that exceeded Pennsylvania Clean Fill Standard is outlined below:

- VOC exceedances including Methylene Chloride were reported for 1 sample. Methylene Chloride was detected at 130 ppm for WC 57 2-3, and is considered as a laboratory contaminant.
- SVOC exceedances including Benzo-a-Pyrene were reported for 1 sample.
- Metal exceedances including Cobalt, copper and Lead were reported for 8 samples.

Analytical Results Compared with Pennsylvania Regulated Fill Standard

Laboratory analytical results indicate that samples outlined below contain one or more VOCs and/or metals at concentrations exceeding Pennsylvania Regulated Fill Standard:

WC 2 2-3	DUP WC 29 COMP	WC 52 2-3 GRAB
WC 2 COMP	WC 51 2-3	WC 52 2-3 COMP
WC 29 2-3	WC 51 COMP	WC 56 4-5 GRAB
WC 29 COMP	DUP WC 51 2-3	WC 56 COMP
DUP WC 29 2-3	DUP WC 51 COMP	

The distribution of the analytes that exceeded Pennsylvania Regulated Fill Standard is outlined below:

- VOC exceedances including Methylene Chloride were reported for 1 sample. Methylene Chloride was detected at 130 ppm for WC 57 2-3, and is considered as a laboratory contaminant.
- Metal exceedances including Cobalt and Lead were reported for 3 samples.

Analytical Results Compared with EPA RCRA TCLP Standard

Laboratory analytical results indicate that outlined below contain TCLP lead at concentrations exceeding EPA RCRA TCLP Standard:

WC 52 2-3 COMP	WC 56 COMP	DUP WC 51 COMP

The TCLP lead concentrations of the above samples exceed the maximum concentration for the toxicity characteristic (5.0 mg/L); therefore, material represented by sample COMP-A-0-3 must be managed as a RCRA characteristic hazardous waste. In addition, hazardous lead delineation sampling is recommended for proper delineation of the extent of hazardous waste and evaluation of construction costs related to disposal of the materials.

5.0 CONCLUSIONS AND RECOMMENDATIONS

RCRA (40 CFR 260) characteristic hazardous waste material was identified in WC51, WC52 and WC56 during the investigation. For the remaining portion of the materials, the placement of non-indigenous or non-native materials at depths up to 7 ft bg on the property to raise topographic elevation that was contaminated prior to emplacement, but that does not rise to the level of constituting a hazardous waste, and includes ash, demolition debris and etc., and generally contains poly aromatic hydrocarbons, elevated metals and organic compounds above the 6 NYCRR Part 375 Unrestricted Use SCOs, classifies the material as Historic Fill pursuant to 6 NYCRR Part 375. Materials of the native fill layer generally contains poly aromatic hydrocarbons, elevated metals and organic compounds above the 6 NYCRR Part 375 Unrestricted Use SCOs and therefore qualify as a regulated solid waste per 6 NYCRR Part 360 and Part 375.

If the material is to be disposed of at a New York State facility, said facility would require a Part 360 solid waste permit. This includes Subtitle D landfills or interimly accepted at Industrial Waste transfer station. Alternate means of beneficial reuse could be available with a successful Beneficial Use Determination (BUD) petition to the New York State Department of Environmental Conservation.

If the material is to be disposed of at a New Jersey facility, some of the material qualifies as an historic fill due to the presence of ash and/or other non-indigenous or non-native materials, generally containing poly aromatic hydrocarbons, elevated metals and organic at concentrations above NJ RDCSRS and/or NJ NRDCSRS. Consequently, beneficial reuse and/or disposal of such materials on any property will require authorization and/or permit issued by the NJ Department of Environmental Protection (DEP). Alternate means of beneficial reuse could be available with a successful petition to the NJDEP.

If the fill material is to be disposed of at a Pennsylvania facility, the material qualifies as Clean Fill or Regulated Fill, depending on the exceedances over corresponding standard and/or presence of ash. The presence of ash is consistent with the definition of Regulated Fill and can therefore be beneficially utilized with a general permit for Regulated Fill. The fill material is

suitable for disposal or potentially beneficial reuse at active Subtitle D landfills or interimly accepted at Industrial Waste transfer stations. Alternate means of beneficial reuse could be available with a successful petition to the PADEP.

Development activities at the site are required to be performed in accordance with applicable authorizations issued by regulatory agencies and/or Construction Health and Safety Plan (CHASP) approved by regulatory agencies.

FIGURES

SOURCE:
THE NARROWS QUADRANGLE, N.Y.-N.J., USGS 7.5 MINUTE SERIES (TOPOGRAPHIC), DATED 1998.
CONEY ISLAND QUADRANGLE, N.J.-N.Y., USGS 7.5 MINUTE SERIES (TOPOGRAPHIC), DATED 1966, PHOTOREVISED 1979.

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1560 BROADWAY, SUITE 1024
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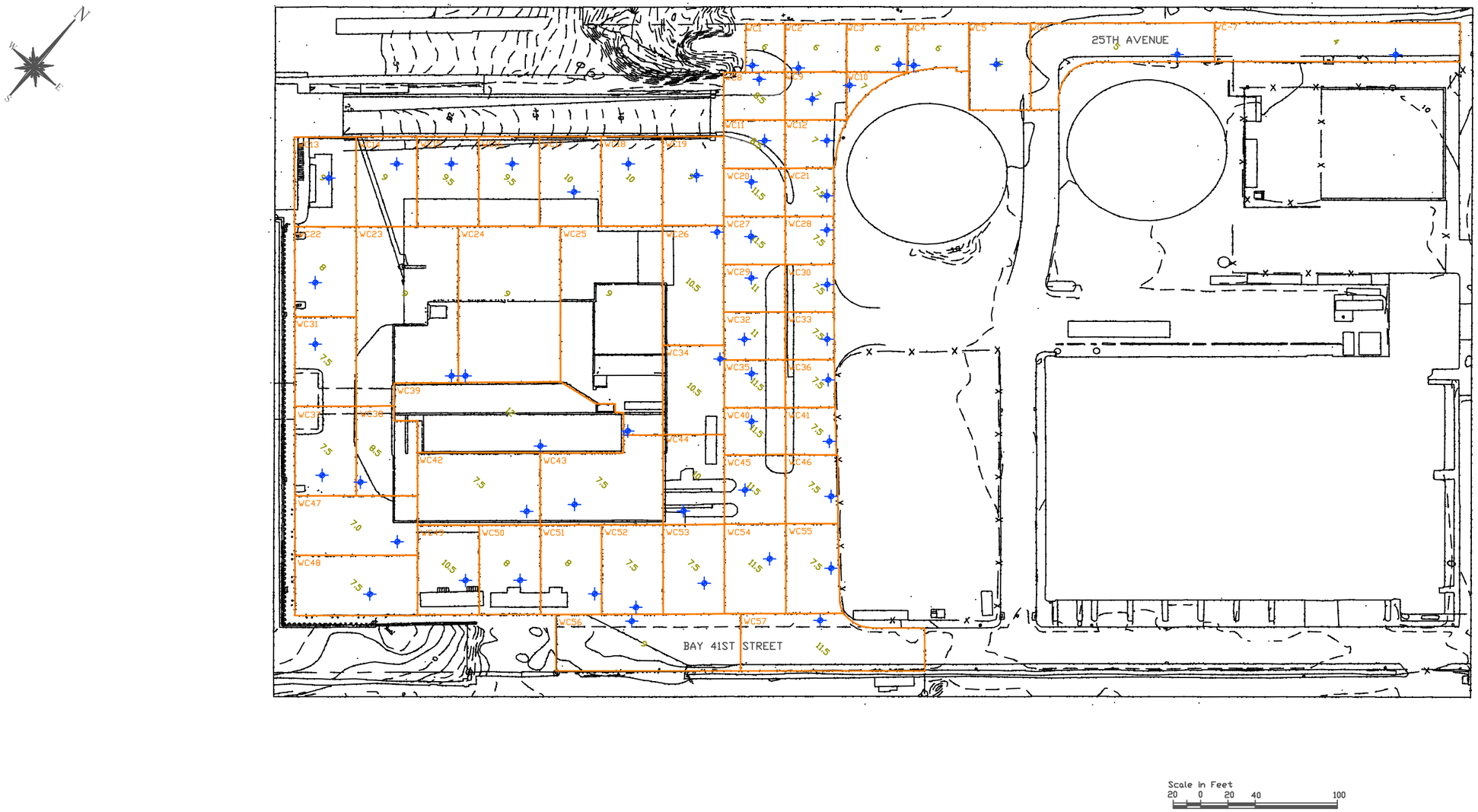
TEL (212) 201-7905 FAX (212) 201-7906

TITLE: SITE LOCATION MAP

1824 Shore Parkway
Brooklyn, New York

DRAWN BY:	XY
CHECKED BY:	RP
DATE:	02/18/2015
SCALE:	

PROJECT #	7336
FIGURE #	1

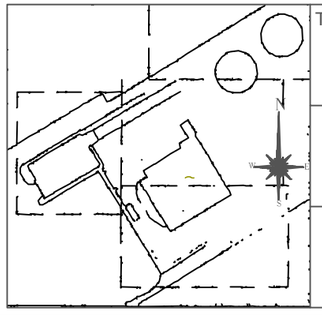


Legend

- Approximate Soil Boring Location
- Waste Characterization Grid
- 10 Excavation Depth

Notes:

1. Base map: C-007.00, Contract 2, Civil, Soil Sampling Plan, prepared by Greeley and Hansen, dated June 2012.



TITLE: Sample Location Map	DRAWN BY: XY	PROJECT #	7336
	CHECKED BY: RP		
	DATE: 02/18/2015	FIGURE #	2
	SCALE:		
Southwest Brooklyn Marine Transfer Station			
1824 Shore Parkway Brooklyn, New York			

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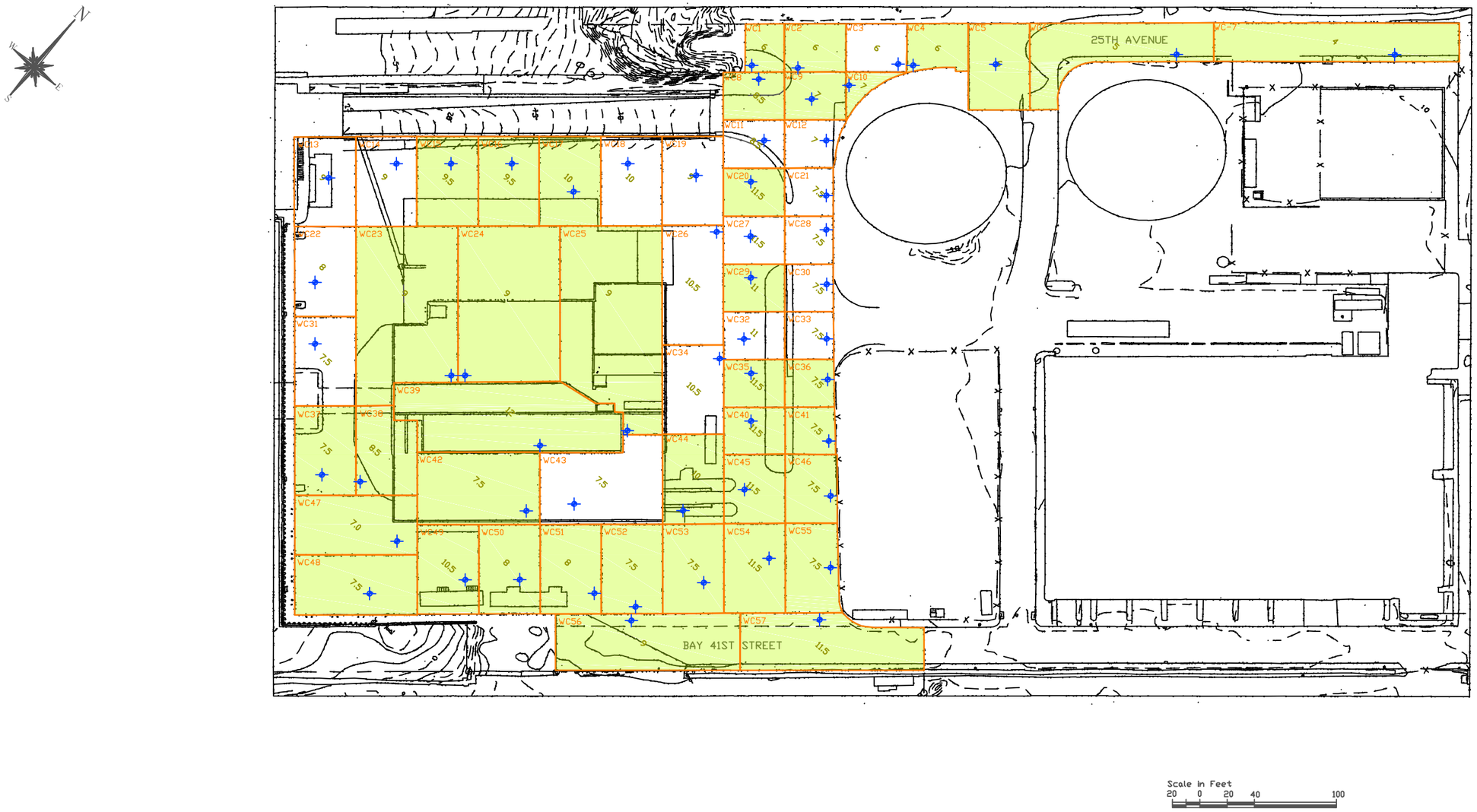
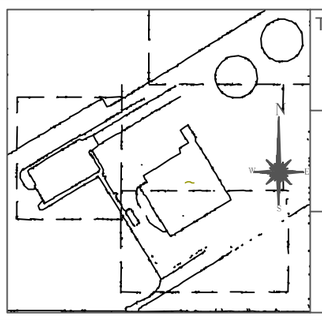


Legend

- Approximate Soil Boring Location
- Waste Characterization Grid
- Excavation Depth
- Grid with exceedances over Part 375 Unrestricted Use SCOs

Notes:

1. Base map: C-007.00, Contract 2, Civil, Soil Sampling Plan, prepared by Greeley and Hansen, dated June 2012.



TITLE: Summary of Exceedances over Part 375 Unrestricted Use SCOs

Southwest Brooklyn Marine Transfer Station

1824 Shore Parkway
Brooklyn, New York

DRAWN BY:	XY	PROJECT #	7336
CHECKED BY:	RP		
DATE:	02/18/2015	FIGURE #	3
SCALE:			

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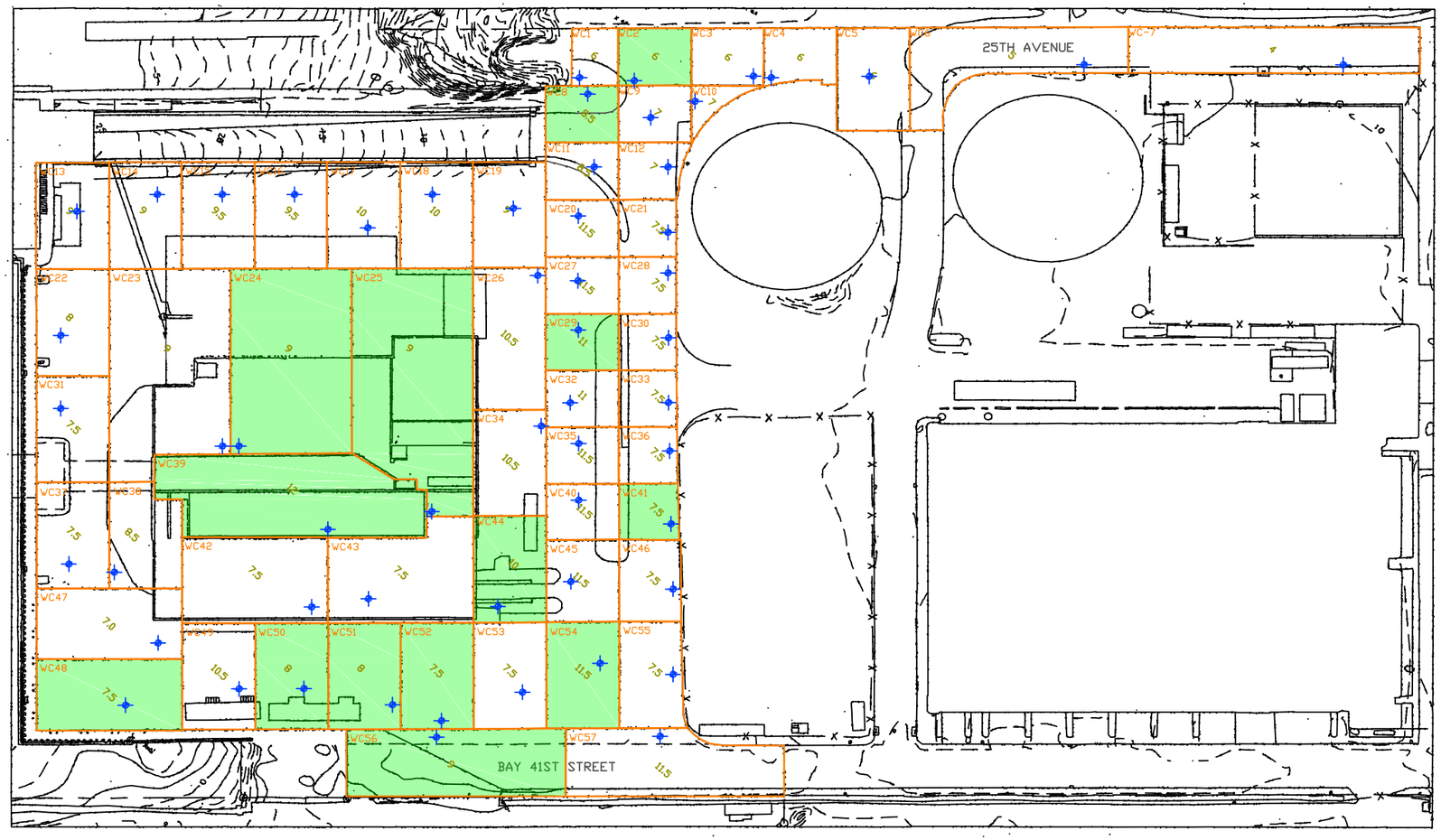


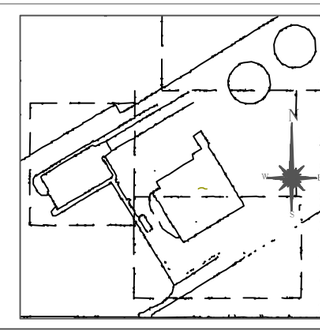
Scale in Feet
20 0 20 40 100

Legend

- Approximate Soil Boring Location
- Waste Characterization Grid
- 10 Excavation Depth
- Grid with exceedances over Part 375 Restricted Residential SCOs

Notes:

1. Base map: C-007.00, Contract 2, Civil, Soil Sampling Plan, prepared by Greeley and Hansen, dated June 2012.



TITLE: Summary of Exceedances over Part 375 Restricted Residential SCOs	DRAWN BY: XY	PROJECT #	7336
	CHECKED BY: RP		
	DATE: 02/18/2015	FIGURE #	4
	SCALE:		
Southwest Brooklyn Marine Transfer Station			
1824 Shore Parkway Brooklyn, New York			

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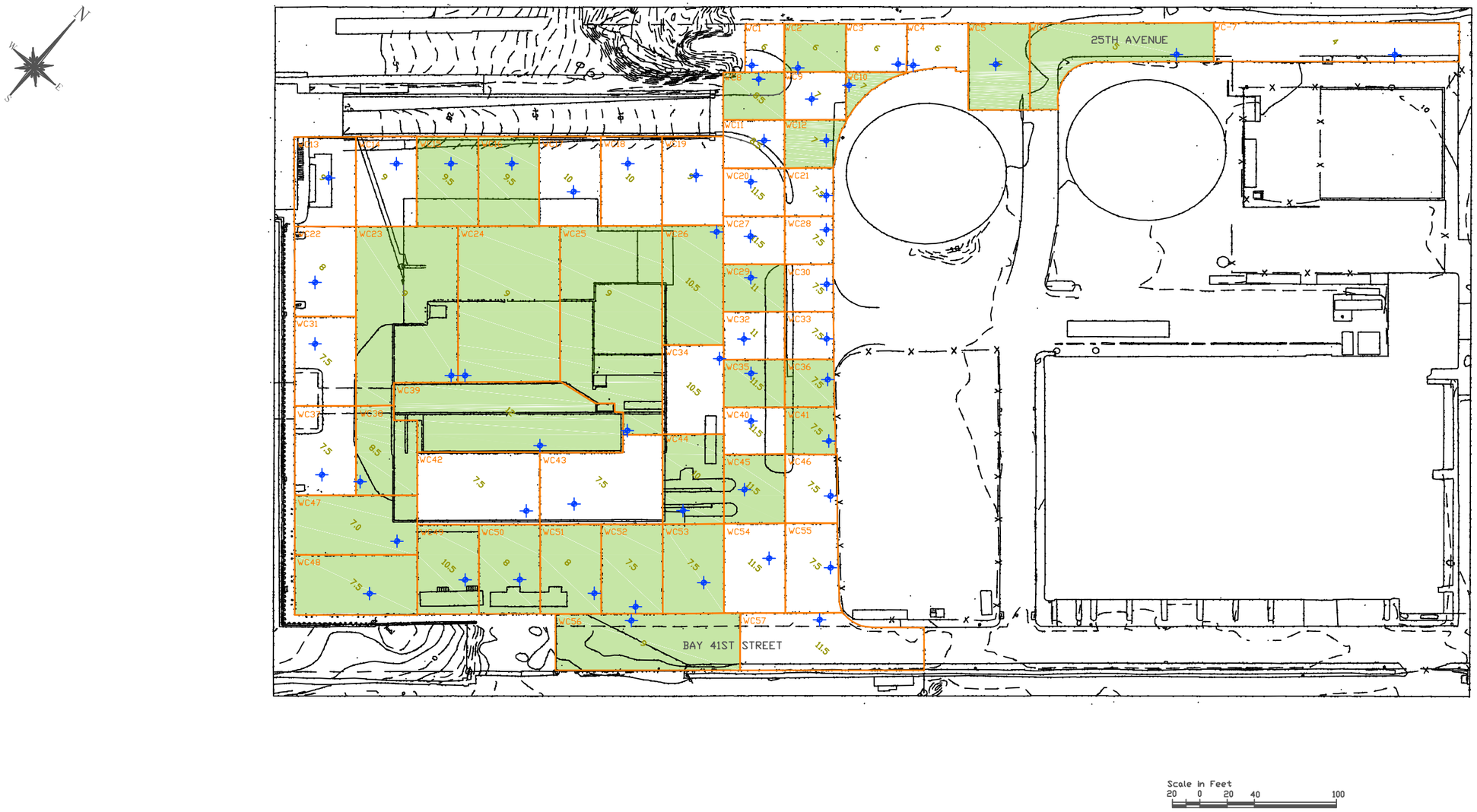
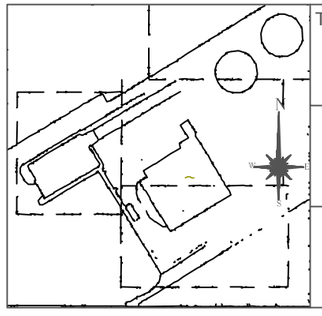


Legend

- Approximate Soil Boring Location
- Waste Characterization Grid
- Excavation Depth
- Grid with exceedances over NJ RDCSRS

Notes:

1. Base map: C-007.00, Contract 2, Civil, Soil Sampling Plan, prepared by Greeley and Hansen, dated June 2012.



TITLE:
Summary of Exceedances over NJ RDCSRS

Southwest Brooklyn Marine Transfer Station

1824 Shore Parkway
Brooklyn, New York

DRAWN BY:	XY	PROJECT #	7336
CHECKED BY:	RP		
DATE:	02/18/2015	FIGURE #	5
SCALE:			

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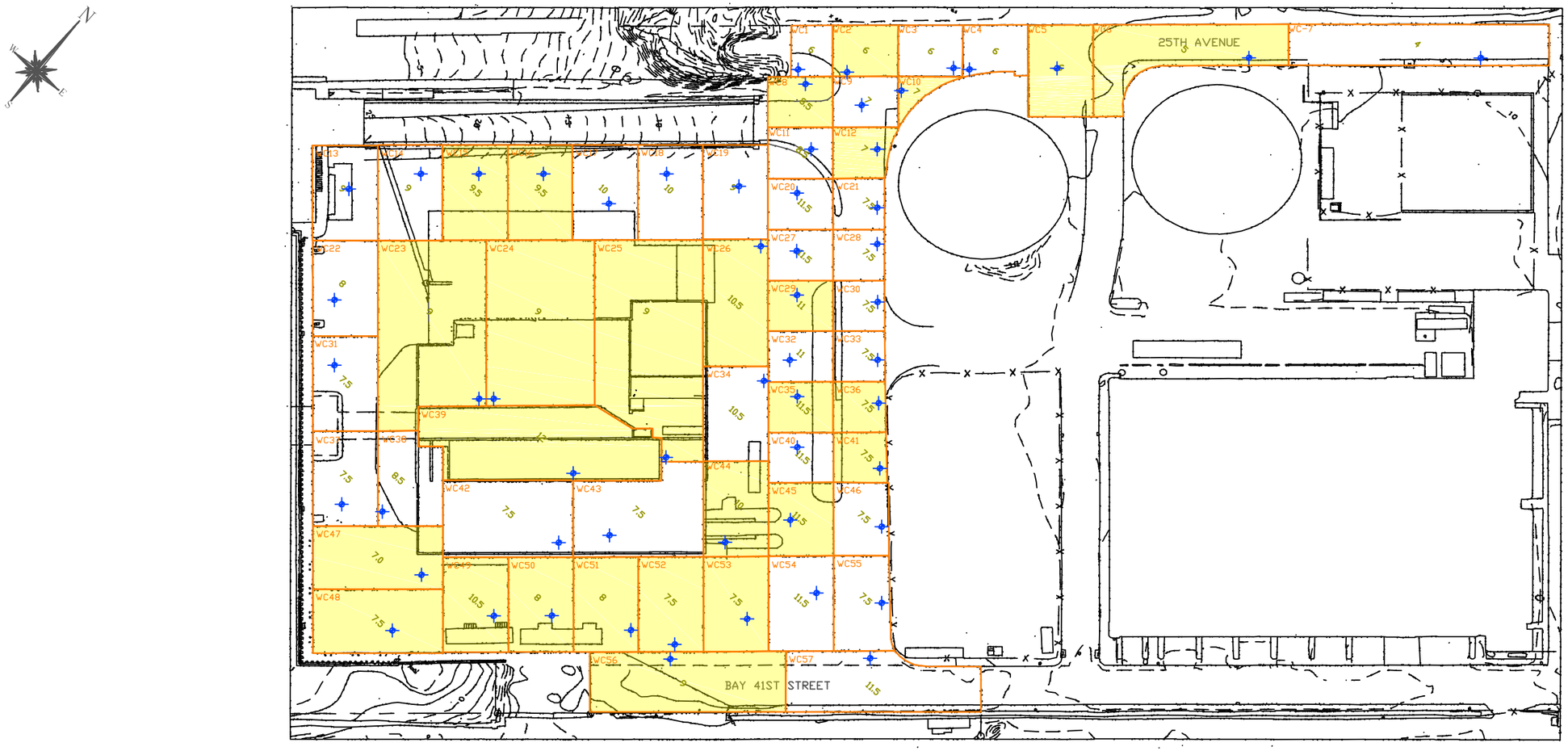


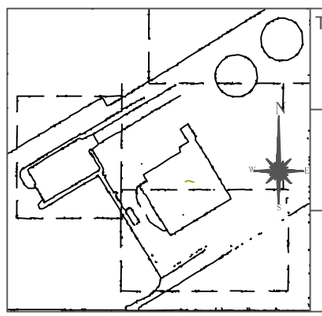
Scale in Feet
20 0 20 40 100

Legend

- Approximate Soil Boring Location
- Waste Characterization Grid
- 10 Excavation Depth
- Grid with exceedances over NJ NRDCSRS

Notes:

1. Base map: C-007.00, Contract 2, Civil, Soil Sampling Plan, prepared by Greeley and Hansen, dated June 2012.



TITLE: Summary of Exceedances over NJ NRDCSRS	DRAWN BY: XY	PROJECT #	7336
	CHECKED BY: RP		
	DATE: 02/18/2015	FIGURE #	6
	SCALE:		
Southwest Brooklyn Marine Transfer Station			
1824 Shore Parkway Brooklyn, New York			

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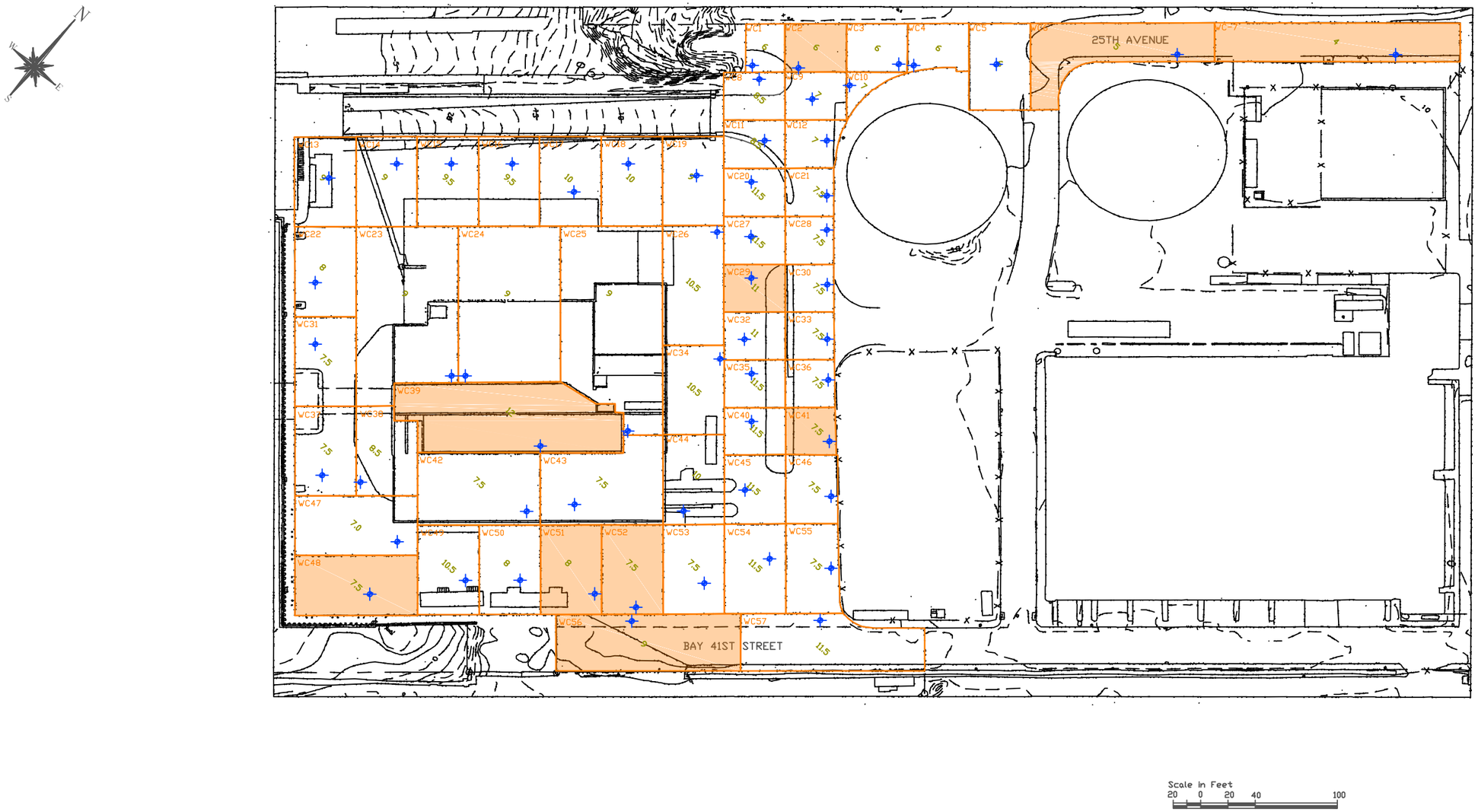
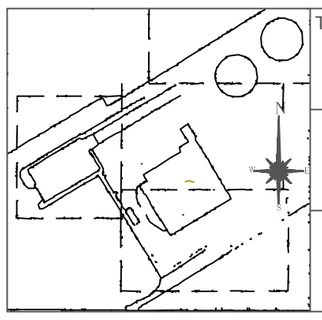


Legend

- Approximate Soil Boring Location
- Waste Characterization Grid
- 10 Excavation Depth
- Grid with exceedances over PADEP Clean Fill Standard

Notes:

1. Base map: C-007.00, Contract 2, Civil, Soil Sampling Plan, prepared by Greeley and Hansen, dated June 2012.
2. Exceedance of Methylene Chloride is considered as a result of laboratory contamination and therefore is not counted as exceedance over PADEP Clean Fill Standard.



TITLE: Summary of Exceedances over PADEP Clean Fill Standard

Southwest Brooklyn Marine Transfer Station

1824 Shore Parkway
Brooklyn, New York

DRAWN BY:	XY	PROJECT #	7336
CHECKED BY:	RP		
DATE:	02/18/2015	FIGURE #	7
SCALE:			

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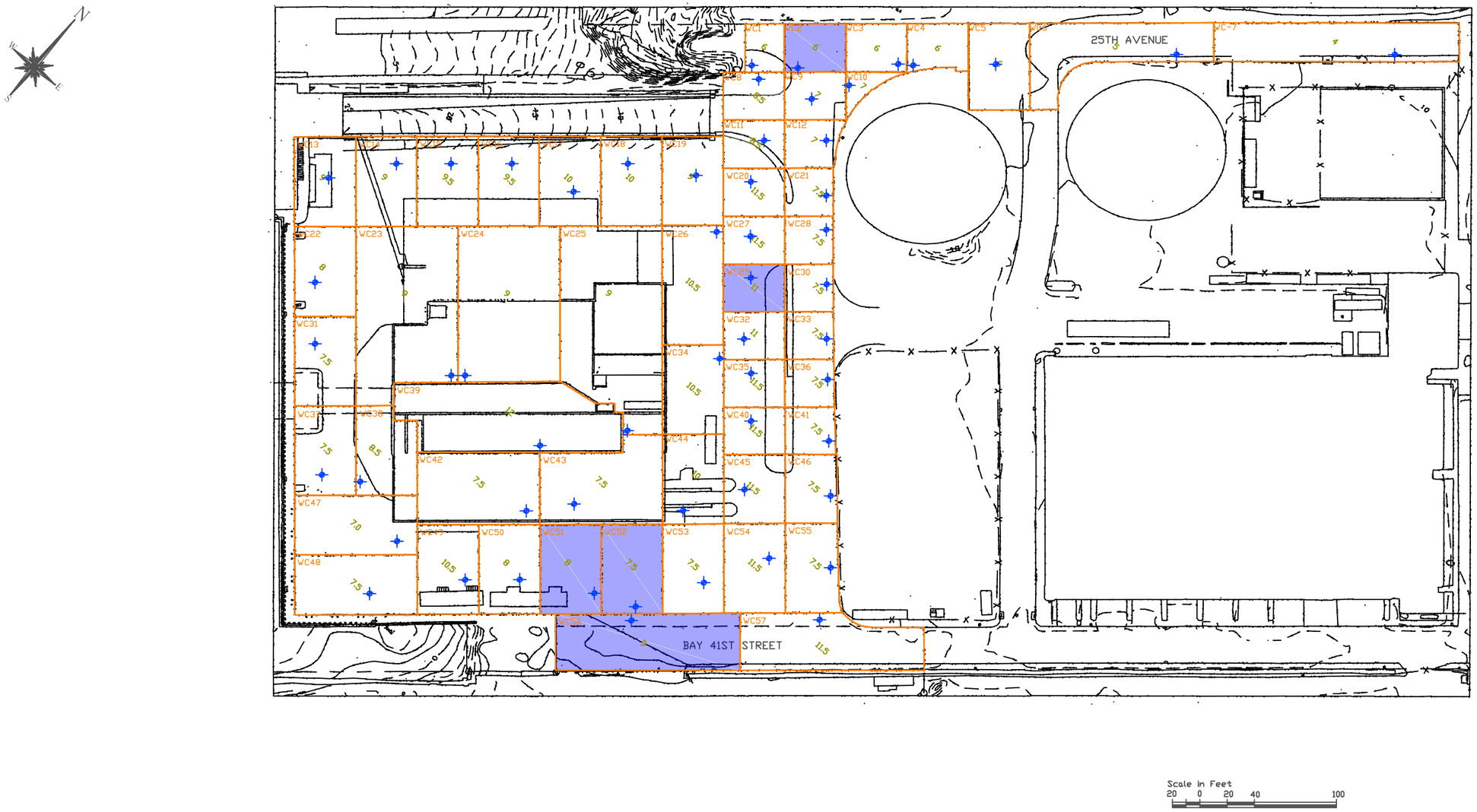
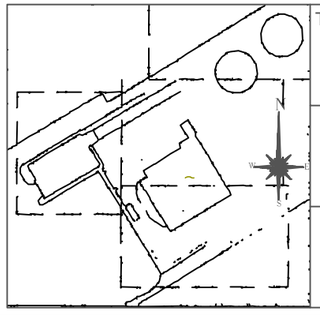


Legend

- Approximate Soil Boring Location
- Waste Characterization Grid
- 10 Excavation Depth
- Grid with exceedances over PADEP Regulated Fill Standard

Notes:

1. Base map: C-007.00, Contract 2, Civil, Soil Sampling Plan, prepared by Greeley and Hansen, dated June 2012.
2. Exceedance of Methylene Chloride is considered as a result of laboratory contamination and therefore is not counted as exceedance over PADEP Clean Fill Standard.



TITLE: Summary of Exceedances over PADEP Regulated Fill Standard

DRAWN BY:	XY	PROJECT #	7336
CHECKED BY:	RP		
DATE:	02/18/2015	FIGURE #	8
SCALE:			

Southwest Brooklyn Marine Transfer Station

1824 Shore Parkway
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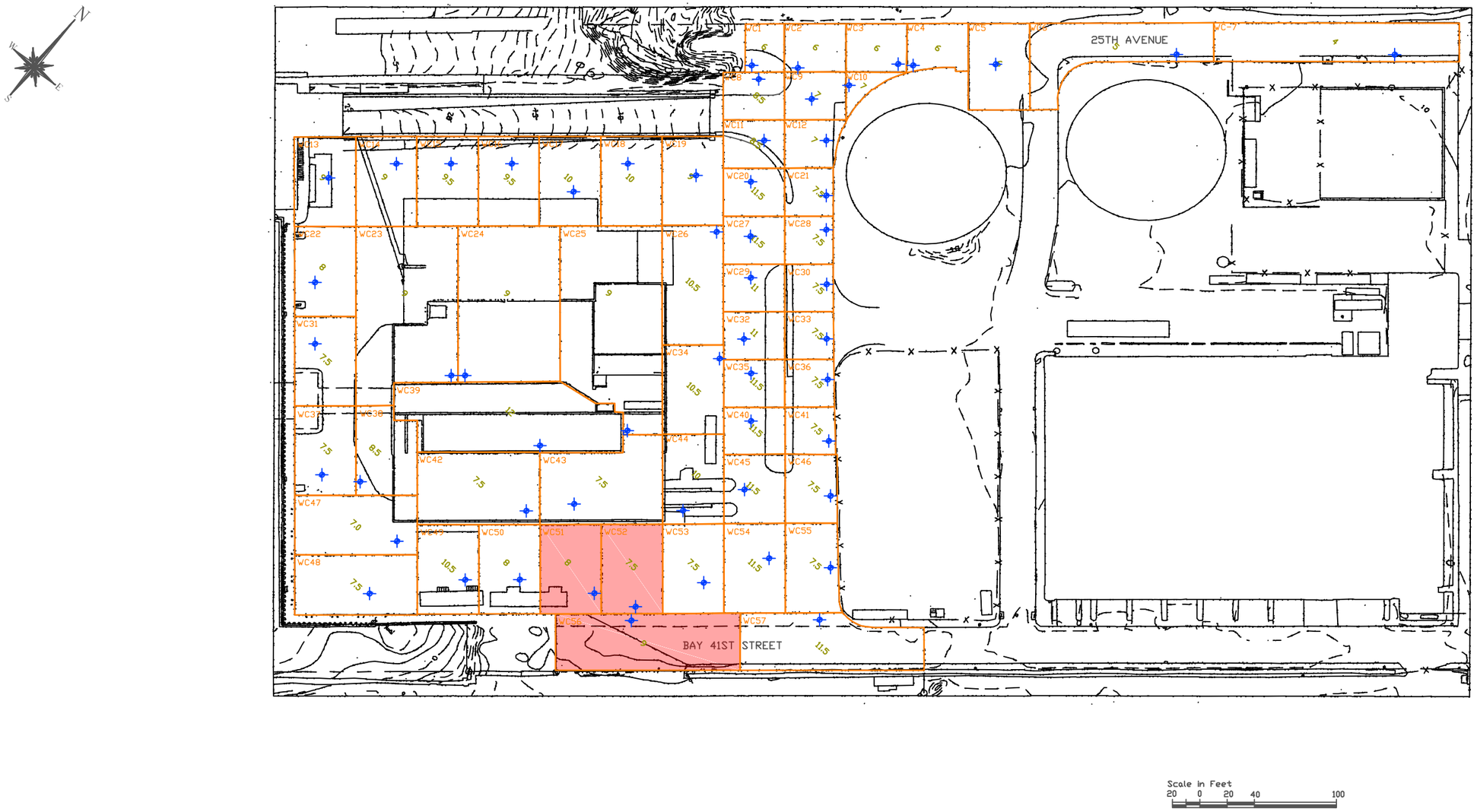
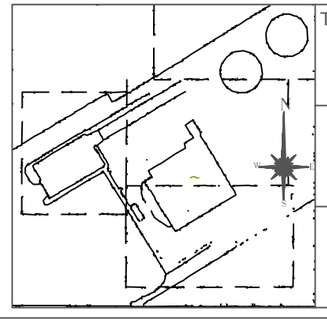


Legend

- Approximate Soil Boring Location
- Waste Characterization Grid
- Excavation Depth
- Grid with exceedances over EPA RCRA TCLP Limits

Notes:

1. Base map: C-007.00, Contract 2, Civil, Soil Sampling Plan, prepared by Greeley and Hansen, dated June 2012.



TITLE: Summary of Exceedances over EPA RCRA TCLP Limits	DRAWN BY: XY	PROJECT #	7336
	CHECKED BY: RP		
	DATE: 02/18/2015	FIGURE #	9
	SCALE:		
Southwest Brooklyn Marine Transfer Station			
1824 Shore Parkway Brooklyn, New York			

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TABLES

Table 1: Sample Results in Comparison with Part 375 Unrestricted Use SCOs
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NYCRR 375 Unrestricted Use	WC 1 1-2	WC 1 COMP	WC 2 2-3	WC 2 COMP	WC 3 3-4	WC 3 COMP	WC 4 1-2	WC 4 COMP	WC 5 1-2	WC 5 COMP	WC 6 1-2	WC 6 COMP	DUP WC6 1-2	DUP WC6 COMP	WC 7 1-2	WC 7 COMP	WC 8 1-2	WC 8 COMP	WC 9 2-3	WC 9 COMP	WC 10 1-2	WC 10 COMP	WC 11 2-3
	Lab Sample ID			BH68767	BH68768	BH69277	BH69278	BH69279	BH69280	BH69281	BH69282	BH69283	BH69284	BH70944	BH70945	BH70936	BH70937	BH70946	BH70947	BH68769	BH68770	BH69285	BH69286	BH69287	BH69288	BH69295
	Date			1/29/2015	1/29/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	2/3/2015	2/3/2015	2/5/2015	2/5/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
630-20-6	1,1,1,2-Tetrachloroethane	VOC	NA	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
71-55-6	1,1,1-Trichloroethane	VOC	680	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
79-34-5	1,1,2,2-Tetrachloroethane	VOC	NA	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
79-00-5	1,1,2-Trichloroethane	VOC	NA	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
92-52-4	1-1- Biphenyl	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
75-34-3	1,1-Dichloroethane	VOC	270	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
75-35-4	1,1-Dichloroethene	VOC	330	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
95-63-6	1,2,4-Trimethylbenzene	VOC	3,600	< 5.0		< 4.6		< 4.6		< 5.4		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
96-12-8	1,2-Dibromo-3-Chloropropane	VOC	NA	< 5.0		< 4.6		< 4.6		< 280		< 280		< 3.6		< 3.3		< 2.5		< 2.5		< 250		< 4.1		< 4.7
106-93-4	1,2-Dibromoethane	VOC	NA	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
95-50-1	1,2-Dichlorobenzene	VOC	1,100	< 5.0		< 4.6		< 4.6		< 280		< 280		< 3.6		< 3.3		< 2.5		< 2.5		< 250		< 4.1		< 4.7
107-06-2	1,2-Dichloroethane	VOC	20c	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
78-87-5	1,2-Dichloropropane	VOC	NA	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
108-67-8	1,3,5-Trimethylbenzene	VOC	8,400	< 5.0		< 4.6		< 4.6		< 5.4		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
541-73-1	1,3-Dichlorobenzene	VOC	2,400	< 5.0		< 4.6		< 4.6		< 280		< 280		< 3.6		< 3.3		< 2.5		< 2.5		< 250		< 4.1		< 4.7
106-46-7	1,4-Dichlorobenzene	VOC	1,800	< 5.0		< 4.6		< 4.6		< 280		< 280		< 3.6		< 3.3		< 2.5		< 2.5		< 250		< 4.1		< 4.7
123-91-1	1,4-Dioxane	VOC	100b	< 100		< 92		< 92		< 100		< 130		< 72		< 65		< 49		< 50		< 74		< 81		< 94
78-93-3	2-Butanone	VOC	120	5.1		6.3		< 28		< 30		< 39		4.2		< 20		< 15		< 15		< 22		< 24		< 28
108-10-1	4-Methyl-2-Pentanone	VOC	NA	< 25		< 23		< 23		< 25		< 32		< 18		< 16		< 12		< 13		< 19		< 20		< 24
67-64-1	Acetone	VOC	50	18		22		< 46		< 50		< 65		16		10		2.9		< 25		< 37		< 41		< 47
107-02-8	Acrolein	VOC	NA	< 25		< 23		< 23		< 25		< 32		< 18		< 16		< 12		< 13		< 19		< 20		< 24
107-13-1	Acrylonitrile	VOC	NA	< 10		< 9.2		< 9.2		< 10		< 13		< 7.2		< 6.5		< 4.9		< 5.0		< 7.4		< 8.1		< 9.4
71-43-2	Benzene	VOC	60	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
92-87-5	Benzidine	SVOC	NA		< 570		< 570		< 520		< 530		< 520		< 530		< 530		< 530		< 550		< 570		< 550	
74-97-5	Bromochloromethane	VOC	NA	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
75-27-4	Bromodichloromethane	VOC	NA	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
75-25-2	Bromoform	VOC	NA	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
74-83-9	Bromomethane	VOC	NA	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
75-15-0	Carbon Disulfide	VOC	NA	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		1.8		0.71		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
56-23-5	Carbon Tetrachloride	VOC	760	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
108-90-7	Chlorobenzene	VOC	1,100	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		0.82		< 2.5		< 3.7		< 4.1		< 4.7
124-48-1	Chlorodibromomethane	VOC	NA	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
75-00-3	Chloroethane	VOC	NA	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
67-66-3	Chloroform	VOC	370	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
74-87-3	Chloromethane	VOC	NA	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
156-59-2	cis-1,2-Dichloroethene	VOC	250	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
74-95-3	Dibromomethane	VOC	NA																							
75-71-8	Dichlorodifluoromethane	VOC	NA	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
100-41-4	Ethylbenzene	VOC	1,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
98-82-8	Isopropylbenzene	VOC	NA	< 5.0		< 4.6		< 4.6		< 280		< 280		< 3.6		< 3.3		< 2.5		< 2.5		< 250		< 4.1		< 4.7
75-09-2	Methylene Chloride	VOC	50	0.91		1.5		1.8		1.7		1.1		0.99		0.9		1.1		0.65		< 3.7		0.98		2
1634-04-4	Methyl Tert-Butyl Ether	VOC	930	< 10		< 9.2		< 9.2		< 10		< 13		< 7.2		< 6.5		< 4.9		< 5.0		< 7.4		< 8.1		< 9.4
91-20-3	Naphthalene	SVOC	12,000		< 260		< 270		< 240		< 250		110		< 250		< 250		< 250		< 260		< 270		< 260	
104-51-8	n-Butylbenzene	VOC	12,000	< 5.0		< 4.6		< 4.6		< 5.4		< 280		< 3.6		< 3.3		< 2.5		< 2.5		< 250		< 4.1		< 4.7
103-65-1	n-Propylbenzene	VOC	3,900	< 5.0		< 4.6		< 4.6		< 5.4		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
99-87-6	p-Isoproplytoluene	VOC	NA	< 5.0		< 4.6		< 4.6		< 5.4		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
135-98-8	sec-Butylbenzene	VOC	11,000	< 5.0		< 4.6		< 4.6		< 5.4		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
100-42-5	Styrene	VOC	NA	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
98-06-6	tert-Butylbenzene	VOC	5,900	< 5.0		< 4.6		< 4.6		< 5.4		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
75-65-0	Tertiary Butyl Alcohol	VOC	NA	< 100		< 92		< 92		< 100		< 130		< 72		< 65		< 49		< 50		< 74		< 81		< 94
127-18-4	Tetrachloroethene	VOC	1,300	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
108-88-3	Toluene	VOC	700	< 5.0		< 4.6		< 4.6		0.9		68		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
1330-20-7	Total Xylenes	VOC	260	< 5.0		< 4.6		< 4.6		< 5.0		< 280		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
156-60-5	trans-1,2-Dichloroethene	VOC	190	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
79-01-6	Trichloroethene	VOC	470	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
75-69-4	Trichlorofluoromethane	VOC	NA	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
108-05-4	Vinyl Acetate	VOC	NA	< 50		< 46		< 46		< 50		< 65		< 36		< 33		< 25		< 25		< 37		< 41		< 47
75-01-4	Vinyl Chloride	VOC	20	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7

Table 1: Sample Results in Comparison with Part 375 Unrestricted Use SCOs
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NYCRR 375 Unrestricted Use	WC 1 1-2	WC 1 COMP	WC 2 2-3	WC 2 COMP	WC 3 3-4	WC 3 COMP	WC 4 1-2	WC 4 COMP	WC 5 1-2	WC 5 COMP	WC 6 1-2	WC 6 COMP	DUP WC6 1-2	DUP WC6 COMP	WC 7 1-2	WC 7 COMP	WC 8 1-2	WC 8 COMP	WC 9 2-3	WC 9 COMP	WC 10 1-2	WC 10 COMP	WC 11 2-3
	Lab Sample ID			BH68767	BH68768	BH69277	BH69278	BH69279	BH69280	BH69281	BH69282	BH69283	BH69284	BH70944	BH70945	BH70936	BH70937	BH70946	BH70947	BH68769	BH68770	BH69285	BH69286	BH69287	BH69288	BH69295
	Date			1/29/2015	1/29/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	2/3/2015	2/3/2015	2/5/2015	2/5/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
87-68-3	Hexachlorobutadiene	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
122-66-7	1,2- Diphenylhydrazine	SVOC	NA		< 380		< 380		< 340		< 360		< 350		< 350		< 350		< 360		< 370		< 380		< 370	
120-82-1	1,2,4-Trichlorobenzene	VOC	NA	< 5.0		< 4.6		< 4.6		< 280		< 280		< 3.6		< 3.3		< 2.5		< 2.5		< 250		< 4.1		< 4.7
95-94-3	1,2,4,5-Tetrachlorobenzene	SVOC			< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
58-90-2	2,3,4,6-Tetrachlorophenol	SVOC			< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
95-95-4	2,4,5-Trichlorophenol	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
88-06-2	2,4,6-Trichlorophenol	SVOC	NA		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150	
102-83-2	2,4-Dichlorophenol	SVOC	NA		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150	
105-67-9	2,4-Dimethylphenol	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
51-28-5	2,4-Dinitrophenol	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
121-14-2	2,4-Dinitrotoluene	SVOC	NA		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150	
606-20-2	2,6-Dinitrotoluene	SVOC	NA		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150	
91-58-7	2-Chloronaphthalene	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
95-57-8	2-Chlorophenol	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
91-57-6	2-Methylnaphthalene	SVOC	NA		< 260		250		< 240		< 250		110		130		180		< 250		< 260		< 270		< 260	
95-48-7	2-Methylphenol	SVOC	330b		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
88-74-4	2-Nitroaniline	SVOC	NA		< 1900		< 1900		< 1700		< 1800		< 1700		< 1800		< 1800		< 1800		< 1800		< 1900		< 1800	
88-75-5	2-Nitrophenol	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
91-94-1	3,3-Dichlorobenzidine	SVOC	NA		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150	
99-09-2	3-Nitroaniline	SVOC	NA		< 1900		< 1900		< 1700		< 1800		< 1700		< 1800		< 1800		< 1800		< 1800		< 1900		< 1800	
534-52-1	4,6-Dinitro-2-methylphenol	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
59-50-7	4-Chloro-3-methylphenol	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
106-47-8	4-Chloroaniline	SVOC	NA		< 750		< 760		< 690		< 710		< 690		< 710		< 700		< 710		< 730		< 760		< 730	
100-01-6	4-Nitroaniline	SVOC	NA		< 1900		< 1900		< 1700		< 1800		< 1700		< 1800		< 1800		< 1800		< 1800		< 1900		< 1800	
100-02-7	4-Nitrophenol	SVOC	NA		< 1900		< 1900		< 1700		< 1800		< 1700		< 1800		< 1800		< 1800		< 1800		< 1900		< 1800	
83-32-9	Acenaphthene	SVOC	20,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		170		< 270		< 260	
208-96-8	Acenaphthylene	SVOC	100,000a		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		140		< 150		< 150	
98-86-2	Acetophenone	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
62-53-3	Aniline	SVOC	NA		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330	
120-12-7	Anthracene	SVOC	100,000a		< 260		< 270		< 240		< 250		320		< 250		< 250		< 250		430		< 270		< 260	
1912-24-9	Atrazine	SVOC	NA		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150	
100-52-7	Benzaldehyde	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
56-55-3	Benzo-a-Anthracene	SVOC	1,000c		< 260		< 270		< 240		190		550		210		240		< 250		1200		< 270		220	
50-32-8	Benzo-a-Pyrene	SVOC	1,000c		< 150		< 150		< 140		200		570		220		250		< 140		1100		< 150		250	
205-99-2	Benzo-b-Fluoranthene	SVOC	1,000c		< 260		180		< 240		280		790		330		360		170		1500		150		330	
207-08-9	Benzo-k-Fluoranthene	SVOC	800c		< 260		< 270		< 240		< 250		250		120		130		< 250		560		< 270		< 260	
191-24-2	Benzo-g,h,i-Perylene	SVOC	100,000		< 260		< 270		< 240		130		320		< 250		< 250		< 250		690		< 270		140	
65-85-0	Benzoic Acid	SVOC	NA		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330	
100-51-6	Benzyl Alcohol	SVOC	NA		< 380		< 380		< 340		< 360		< 350		< 350		< 350		< 360		< 370		< 380		< 370	
111-44-4	Bis(2-Chloroethyl)ether	SVOC	NA		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150	
108-60-1	Bis(2-Chloroisopropyl)ether	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
117-81-7	Bis(2-Ethylhexyl)Phthalate	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
85-68-7	Butylbenzylphthalate	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
105-60-2	Caprolactam	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
86-74-8	Carbazole	SVOC	NA		< 1900		< 1900		< 1700		< 1800		< 1700		< 1800		< 1800		< 1800		< 1800		< 1900		< 1800	
218-01-9	Chrysene	SVOC	1,000c		< 260		< 270		< 240		240		550		230		260		< 250		1200		< 270		240	
75-99-0	Dalapon	SVOC			< 47		< 48		< 44		< 44		< 44		< 45		< 45		< 44		< 46		< 48		< 47	
132-64-9	Dibenzofuran	SVOC	7,000		< 260		< 270		< 240		< 250		110		< 250		< 250		< 250		140		< 270		< 260	
53-70-3	Dibenzo-a,h-Anthracene	SVOC	330b		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		170		< 150		< 150	
84-66-2	Diethyl Phthalate	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
131-11-3	Dimethyl Phthalate	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
84-74-2	Di-n-Butyl Phthalate	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
117-84-0	Di-n-Octyl Phthalate	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
206-44-0	Fluoranthene	SVOC	100,000		< 260		220		< 240		520		1500		330		360		200		1700		260		550	
86-73-7	Fluorene	SVOC	30,000		< 260		< 270		< 240		< 250		140		< 250		< 250		< 250		190		< 270		< 260	
118-74-1	Hexachlorobenzene	SVOC	330		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150	
77-47-4	Hexachlorocyclopentadiene	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
67-72-1	Hexachloroethane	SVOC	NA		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150	
193-39-5	Indeno(1,2,3-cd)Pyrene	SVOC	500c		< 260		< 270		< 240		120		310		< 250		< 250		< 250		750		< 270		140	
78-59-1	Isophorone	SVOC	NA		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150	
98-95-3	Nitrobenzene	SVOC	NA		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150	
62-75-9	N-Nitrosodimethylamine	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
621-64-7	N-Nitroso-di-n-Propylamine	SVOC	NA		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150	
86-30-6	N-Nitrosodiphenylamine	SVOC	NA		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150	
87-86-5	Pentachlorophenol	SVOC	800b		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
85-01-8	Phenanthrene	SVOC	100,000		< 150		130		< 140		470		1200		260		310		130		2000		200		320	
108-95-2	Phenol	SVOC	330b		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
129-00-0	Pyrene	SVOC	100,000		< 260		220		< 240		490		1300		330		350		160		1400		210		490	

Table 1: Sample Results in Comparison with Part 375 Unrestricted Use SCOs
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NYCRR 375 Unrestricted Use	WC 1 1-2	WC 1 COMP	WC 2 2-3	WC 2 COMP	WC 3 3-4	WC 3 COMP	WC 4 1-2	WC 4 COMP	WC 5 1-2	WC 5 COMP	WC 6 1-2	WC 6 COMP	DUP WC6 1-2	DUP WC6 COMP	WC 7 1-2	WC 7 COMP	WC 8 1-2	WC 8 COMP	WC 9 2-3	WC 9 COMP	WC 10 1-2	WC 10 COMP	WC 11 2-3
	Lab Sample ID			BH68767	BH68768	BH69277	BH69278	BH69279	BH69280	BH69281	BH69282	BH69283	BH69284	BH70944	BH70945	BH70936	BH70937	BH70946	BH70947	BH68769	BH68770	BH69285	BH69286	BH69287	BH69288	BH69295
	Date			1/29/2015	1/29/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	2/3/2015	2/3/2015	2/5/2015	2/5/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015
	Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
93-76-5	2,4,5-T	HERBICIDE	NA		< 47		< 48		< 44		< 44		< 44		< 45		< 45		< 44		< 46		< 48		< 47	
93-72-1	2,4,5-TP Acid	PESTICIDE	3,800		< 47		< 48		< 44		< 44		< 44		< 45		< 45		< 44		< 46		< 48		< 47	
94-75-7	2,4-D	HERBICIDE	NA		< 47		< 48		< 44		< 44		< 44		< 45		< 45		< 44		< 46		< 48		< 47	
72-54-8	4,4-DDD	PESTICIDE	3.3b		< 2.3		< 2.2		< 2.1		2.6		< 2.1		< 2.1		< 2.1		< 2.1		< 2.2		< 2.3		< 2.2	
72-55-9	4,4-DDE	PESTICIDE	3.3b		< 2.3		< 2.2		< 2.1		2.3		< 2.1		< 2.1		< 2.1		< 2.1		< 2.2		< 2.3		< 2.2	
50-29-3	4,4-DDT	PESTICIDE	3.3b		< 2.3		< 2.2		< 2.1		< 2.1		< 2.1		< 2.1		< 2.1		< 2.1		< 2.2		< 2.3		< 2.2	
309-00-2	Aldrin	PESTICIDE	5c		< 3.8		< 3.7		< 3.5		< 3.5		< 3.4		< 3.5		< 3.6		< 3.5		< 3.6		< 3.8		< 3.7	
319-84-6	alpha-BHC	PESTICIDE	20		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4	
5103-71-9	Alpha Chlordane	PESTICIDE	94		< 3.8		< 3.7		< 3.5		< 3.5		< 3.4		11		7.2		< 3.5		< 3.6		< 3.8		< 3.7	
12674-11-2	Aroclor 1016	PCB	NA		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74	
1104-28-2	Aroclor 1221	PCB	NA		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74	
11141-16-5	Aroclor 1232	PCB	NA		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74	
53469-21-9	Aroclor 1242	PCB	NA		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74	
12672-29-6	Aroclor 1248	PCB	NA		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74	
11097-69-1	Aroclor 1254	PCB	NA		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74	
11096-82-5	Aroclor 1260	PCB	NA		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74	
11096-82-5	Aroclor 1262	PCB	NA		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74	
37324-23-5	Aroclor 1268	PCB	NA		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74	
319-85-7	beta-BHC	PESTICIDE	36		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4	
57-74-9	Chlordane	PESTICIDE	94		< 38		< 37		< 35		< 35		< 34		65		41		< 35		< 36		< 38		< 37	
319-86-8	delta-BHC	PESTICIDE	40		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4	
1918-00-9	Dicamba	HERBICIDE	NA		< 94		< 95		< 88		< 89		< 88		< 90		< 90		< 88		< 91		< 96		< 93	
60-57-1	Dieldrin	PESTICIDE	5		< 3.8		< 3.7		< 3.5		< 3.5		< 3.4		< 3.5		< 3.6		< 3.5		< 3.6		< 3.8		< 3.7	
115-29-7	Endosulfan	PESTICIDE	2400		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4	
959-98-8	Endosulfan I	PESTICIDE	2,400		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4	
33213-65-9	Endosulfan II	PESTICIDE	2,400		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4	
1031-07-8	Endosulfan Sulfate	PESTICIDE	2,400		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4	
72-20-8	Endrin	PESTICIDE	14		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4	
58-89-9	gamma-BHC	PESTICIDE	100		< 1.5		< 1.5		< 1.4		< 1.4		< 1.4		< 1.4		< 1.4		< 1.4		< 1.5		< 1.5		< 1.5	
5103-74-2	Gamma Chlordane	PESTICIDE	NA		< 3.8		< 3.7		< 3.5		< 3.5		< 3.4		8.2		8.6		< 3.5		< 3.6		< 3.8		< 3.7	
76-44-8	Heptachlor	PESTICIDE	42		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4	
1024-57-3	Heptachlor Epoxide	PESTICIDE	NA		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4	
72-43-5	Methoxychlor	PESTICIDE	NA		< 38		< 37		< 35		< 35		< 34		< 35		< 36		< 35		< 36		< 38		< 37	
56-38-2	Parathion	PESTICIDE	NA		< 380		< 380		< 340		< 360		< 350		< 350		< 350		< 360		< 370		< 380		< 370	
1336-36-3	Polychlorinated Biphenyls	PESTICIDE	100		0		0		0		0		0		0		0		0		0		0		0	
8001-35-2	Toxaphene	PESTICIDE	NA		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150	
	Unit		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
7429-90-5	Aluminum, Al	METAL	NA		8200		8920		1260		4320		3050		6220		7100		5460		3970		9200		8460	
7440-36-0	Antimony, Sb	METAL	NA		< 3.9		6.9		< 3.5		< 3.6		< 3.3		< 3.7		< 3.6		< 3.4		< 3.5		< 3.4		< 3.5	
7440-38-2	Arsenic, As	METAL	13c		3.3		6.9		0.9		6.4		4.6		3.4		4.5		1.9		3.4		7		5.5	
7440-39-3	Barium, Ba	METAL	350c		34.4		233		5.63		105		54		67.6		59.5		37.1		112		173		42.9	
7440-41-7	Beryllium, Be	METAL	7.2		0.42		0.56		< 0.28		0.43		0.36		0.81		0.55		0.39		< 0.28		0.5		0.46	
7440-43-9	Cadmium, Cd	METAL	2.5c		< 0.39		1.1		< 0.35		0.42		< 0.33		< 0.37		< 0.36		< 0.34		< 0.35		< 0.34		< 0.35	
7440-47-3	Chromium, Cr	METAL	NA		10.8		14.2		4.24		12.3		9.22		20.1		17.3		35.2		12.4		18.6		14.4	
18540-29-9	Chromium, hexavalent	METAL	1b		< 0.44		< 0.46		< 0.44		< 0.41		< 0.43		< 0.42		< 0.43		< 0.43		< 0.44		0.56		< 0.45	
16065-83-1	Chromium, trivalent	METAL	30c		10.8		14.2		4.24		12.3		9.22		20.1		17.3		35.2		12.4		18		14.4	
7440-48-4	Cobalt, Co	METAL	NA		4.11		5.87		1.09		3.51		5.87		10.4		6.97		10.3		4.67		7.06		5.02	
7440-50-8	Copper, Cu	METAL	50		9.74		28.1		1.79		21.5		23.7		96.3		32.4		54.9		72.1		29.2		15.5	
57-12-5	Cyanide	METAL	27		< 0.57		< 0.57		< 0.53		< 0.54		< 0.53		< 0.54		< 0.54		< 0.54		0.65		< 0.53		< 0.51	
7439-89-6	Iron, Fe	METAL	NA		10700		15400		2610		11800		6870		13300		12800		19300		9300		15100		13400	
7439-92-1	Lead, Pb	METAL	63c		106		2370		4.87		259		110		189		129		33		189		232		83.1	
7439-96-5	Manganese, Mn	METAL	1,600c		154		153		23.3		366		158		193		185		206		226		193		89.2	
7439-97-6	Mercury, Hg	METAL	.18c		0.15		0.25		< 0.03		0.08		0.07		0.13		0.14		0.04		0.15		0.08		0.13	
7440-02-0	Nickel, Ni	METAL	30		11.4		13.8		4.14		11.7		17.7		72.4		26		21.5		16.2		24.5		12.6	
7782-49-2	Selenium, Se	METAL	3.9c		< 1.6		< 1.4		< 1.4		< 1.5		< 1.3		< 1.5		< 1.4		< 1.4		< 1.4		< 1.4		< 1.4	
7440-22-4	Silver, Ag	METAL	2		< 0.39		< 0.35		< 0.35		< 0.36		< 0.33		< 0.37		< 0.36		< 0.34		< 0.35		< 0.34		< 0.35	
7440-28-0	Thallium, Ti	METAL	NA		< 3.5		< 3.1		< 3.1		< 3.3		< 3.0		< 3.4		< 3.2		< 3.1		< 3.2		< 3.1		< 3.1	
7440-62-2	Vanadium, V	METAL	NA		16.5		19.6		4.16		17.4		12.3		21.6		21		40.5		14		23.2		21.9	
7440-66-6	Zinc, Zn	METAL	109c		37.8		558		14.9		172		78.9		307		97.3		34		226		188		59.2	
	pH	pH	NA		7.71		8.08		9.52		9.21		9.18		9.88		9.81		11.11		8.59		9.84		8.76	
	TPH	TPH	NA		< 56		< 57		< 53		< 54		< 53		<54		<54		<52		< 54		< 57		< 56	

Notes: Shaded values indicate an exceedance of NYCRR 375 Unrestricted.

Notes
ug/kg = micrograms per kilogram (ppb)
mg/kg = milligrams per kilogram (ppm)
ug/L = micrograms per liter
mg/L = milligrams per liter

Table 1: Sample Results in Comparison with Part 375 Unrestricted Use SCOs
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NYCRR 375 Unrestricted Use	WC 11 COMP	WC 12 1-2	WC 12 COMP	WC 13 1-2	WC 13 COMP	DUP WC 13 1-2	DUP WC 13 COMP	WC 14 2-3	WC 14 COMP	WC 15 2-3	WC 15 COMP	WC 16 1-2	WC 16 COMP	WC 17 1-2	WC 17 COMP	WC 18 1-2	WC 18 COMP	WC 19 1-2	WC 19 COMP	WC 20 1-2	WC 20 COMP	DUP WC 20 1-2	DUP WC 20 COMP	WC 21 4-5	WC 21 COMP	WC 22 1-2
	Lab Sample ID			BH69296	BH69291	BH69292	BH70562	BH70563	BH70564	BH70565	BH69820	BH69821	BH69818	BH69819	BH69816	BH69817	BH69814	BH69815	BH69812	BH69813	BH69800	BH69801	BH69802	BH69803	BH69804	BH69805	BH69293	BH69294	BH70938
	Date			1/30/2015	1/30/2015	1/30/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/30/2015	1/30/2015	1/29/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
630-20-6	1,1,1,2-Tetrachloroethane	VOC	NA		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5
71-55-6	1,1,1-Trichloroethane	VOC	680		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5
79-34-5	1,1,2,2-Tetrachloroethane	VOC	NA		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5
79-00-5	1,1,2-Trichloroethane	VOC	NA		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5
92-52-4	1-1- Biphenyl	SVOC	NA	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250	
75-34-3	1,1-Dichloroethane	VOC	270		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5
75-35-4	1,1-Dichloroethene	VOC	330		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5
95-63-6	1,2,4-Trimethylbenzene	VOC	3,600		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5		< 2.5
96-12-8	1,2-Dibromo-3-Chloropropane	VOC	NA		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 80		< 5.0		< 80		< 6.0		< 5.4		< 5.5		< 2.5
106-93-4	1,2-Dibromoethane	VOC	NA		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5
95-50-1	1,2-Dichlorobenzene	VOC	1,100		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5		< 2.5
107-06-2	1,2-Dichloroethane	VOC	20c		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5
78-87-5	1,2-Dichloropropane	VOC	NA		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5
108-67-8	1,3,5-Trimethylbenzene	VOC	8,400		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5		< 2.5
541-73-1	1,3-Dichlorobenzene	VOC	2,400		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5		< 2.5
106-46-7	1,4-Dichlorobenzene	VOC	1,800		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5		< 2.5
123-91-1	1,4-Dioxane	VOC	100b		< 77		< 48		< 92		< 100		< 100		< 97		< 100		< 100		< 98		< 100		< 100		< 100		< 50
78-93-3	2-Butanone	VOC	120		< 23		< 14		< 28		< 32		12		< 29		< 31		< 30		< 29		< 36		< 32		< 33		< 15
108-10-1	4-Methyl-2-Pentanone	VOC	NA		< 19		< 12		< 23		< 27		< 27		< 24		< 26		< 25		< 25		< 30		< 27		< 27		< 13
67-64-1	Acetone	VOC	50		< 39		< 24		< 46		20		47		< 49		< 50		< 50		< 49		< 50		< 50		< 55		< 25
107-02-8	Acrolein	VOC	NA		< 19		< 12		< 23		< 27		< 27		< 24		< 26		< 25		< 25		< 30		< 27		< 27		< 13
107-13-1	Acrylonitrile	VOC	NA		< 7.7		< 4.8		< 9.2		< 11		< 11		< 9.7		< 10		< 10		< 9.8		< 12		< 11		< 11		< 5.0
71-43-2	Benzene	VOC	60		< 3.9		< 2.4		< 4.6		< 5.4		3.4		< 4.9		< 5.1		< 5.0		1.3		< 6.0		< 5.4		< 5.5		< 2.5
92-87-5	Benzidine	SVOC	NA	< 540		< 540		< 550		< 500		< 540		< 560		< 550		< 520		< 570		< 590		< 540		< 540		< 530	
74-97-5	Bromochloromethane	VOC	NA		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5
75-27-4	Bromodichloromethane	VOC	NA		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5
75-25-2	Bromoform	VOC	NA		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5
74-83-9	Bromomethane	VOC	NA		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5
75-15-0	Carbon Disulfide	VOC	NA		< 3.9		< 2.4		< 4.6		2.9		4.4		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5
56-23-5	Carbon Tetrachloride	VOC	760		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5
108-90-7	Chlorobenzene	VOC	1,100		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		0.82		< 5.5		< 2.5
124-48-1	Chlorodibromomethane	VOC	NA		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5
75-00-3	Chloroethane	VOC	NA		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5
67-66-3	Chloroform	VOC	370		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		0.91		1.5		1		< 5.5		< 2.5
74-87-3	Chloromethane	VOC	NA		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5
156-59-2	cis-1,2-Dichloroethene	VOC	250		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5
74-95-3	Dibromomethane	VOC	NA																										
75-71-8	Dichlorodifluoromethane	VOC	NA		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5
100-41-4	Ethylbenzene	VOC	1,000		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5
98-82-8	Isopropylbenzene	VOC	NA		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5		< 2.5
75-09-2	Methylene Chloride	VOC	50		1.5		0.54		1.6		1.7		2		< 4.9		1.5		1.2		1.5		3.1		2.9		1.9		0.55
1634-04-4	Methyl Tert-Butyl Ether	VOC	930		< 7.7		< 4.8		< 9.2		< 11		< 11		< 9.7		< 10		< 10		< 9.8		< 12		< 11		< 11		< 5.0
91-20-3	Naphthalene	SVOC	12,000	< 250		< 250		< 250		< 240		250		550		< 260		< 240		< 270		< 280		< 250		< 250		< 250	
104-51-8	n-Butylbenzene	VOC	12,000		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5		< 2.5
103-65-1	n-Propylbenzene	VOC	3,900		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5		< 2.5
99-87-6	p-Isoproplytoluene	VOC	NA		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5		< 2.5
135-98-8	sec-Butylbenzene	VOC	11,000		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5		< 2.5
100-42-5	Styrene	VOC	NA		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5
98-06-6	tert-Butylbenzene	VOC	5,900		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5		< 2.5
75-65-0	Tertiary Butyl Alcohol	VOC	NA		< 77		< 48		< 92		< 110		< 110		< 97		< 100		< 100		< 98		< 120		< 110		< 110		< 50
127-18-4	Tetrachloroethene	VOC	1,300		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5
108-88-3	Toluene	VOC	700		< 3.9		< 2.4		< 4.6		< 5.4		6.2		< 4.9		78		0.86		0.84		< 6.0		< 5.4		< 5.5		< 2.5
1330-20-7	Total Xylenes	VOC	260		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5
156-60-5	trans-1,2-Dichloroethene	VOC	190		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5
79-01-6	Trichloroethene	VOC	470		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5
75-69-4	Trichlorofluoromethane	VOC	NA		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5
108-05-4	Vinyl Acetate	VOC	NA		< 39		< 24		< 46		< 54		< 53		< 49		< 51		< 50		< 49		< 60		< 54		< 55		< 25
75-01-4	Vinyl Chloride	VOC	20		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5

Table 1: Sample Results in Comparison with Part 375 Unrestricted Use SCOs
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NYCRR 375 Unrestricted Use	WC 11 COMP	WC 12 1-2	WC 12 COMP	WC 13 1-2	WC 13 COMP	DUP WC 13 1-2	DUP WC 13 COMP	WC 14 2-3	WC 14 COMP	WC 15 2-3	WC 15 COMP	WC 16 1-2	WC 16 COMP	WC 17 1-2	WC 17 COMP	WC 18 1-2	WC 18 COMP	WC 19 1-2	WC 19 COMP	WC 20 1-2	WC 20 COMP	DUP WC 20 1-2	DUP WC 20 COMP	WC 21 4-5	WC 21 COMP	WC 22 1-2
	Lab Sample ID			BH69296	BH69291	BH69292	BH70562	BH70563	BH70564	BH70565	BH69820	BH69821	BH69818	BH69819	BH69816	BH69817	BH69814	BH69815	BH69812	BH69813	BH69800	BH69801	BH69802	BH69803	BH69804	BH69805	BH69293	BH69294	BH70938
	Date			1/30/2015	1/30/2015	1/30/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/30/2015	1/30/2015	1/29/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
87-68-3	Hexachlorobutadiene	SVOC	NA	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250	
122-66-7	1,2- Diphenylhydrazine	SVOC	NA	< 360		< 360		< 360		< 340		< 360		< 370		< 370		< 350		< 380		< 400		< 360		< 360		< 360	
120-82-1	1,2,4-Trichlorobenzene	VOC	NA		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5		< 2.5
95-94-3	1,2,4,5-Tetrachlorobenzene	SVOC		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250	
58-90-2	2,3,4,6-Tetrachlorophenol	SVOC		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250	
95-95-4	2,4,5-Trichlorophenol	SVOC	NA	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250	
88-06-2	2,4,6-Trichlorophenol	SVOC	NA	< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140	
102-83-2	2,4-Dichlorophenol	SVOC	NA	< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140	
105-67-9	2,4-Dimethylphenol	SVOC	NA	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250	
51-28-5	2,4-Dinitrophenol	SVOC	NA	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250	
121-14-2	2,4-Dinitrotoluene	SVOC	NA	< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140	
606-20-2	2,6-Dinitrotoluene	SVOC	NA	< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140	
91-58-7	2-Chloronaphthalene	SVOC	NA	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250	
95-57-8	2-Chlorophenol	SVOC	NA	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250	
91-57-6	2-Methylnaphthalene	SVOC	NA	< 250		< 250		< 250		< 240		150		360		< 260		< 240		< 270		< 280		< 250		< 250		< 250	
95-48-7	2-Methylphenol	SVOC	330b	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250	
88-74-4	2-Nitroaniline	SVOC	NA	< 1800		< 1800		< 1800		< 1700		< 1800		< 1900		< 1800		< 1700		< 1900		< 2000		< 1800		< 1800		< 1800	
88-75-5	2-Nitrophenol	SVOC	NA	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250	
91-94-1	3,3-Dichlorobenzidine	SVOC	NA	< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140	
99-09-2	3-Nitroaniline	SVOC	NA	< 1800		< 1800		< 1800		< 1700		< 1800		< 1900		< 1800		< 1700		< 1900		< 2000		< 1800		< 1800		< 1800	
534-52-1	4,6-Dinitro-2-methylphenol	SVOC	NA	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250	
59-50-7	4-Chloro-3-methylphenol	SVOC	NA	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250	
106-47-8	4-Chloroaniline	SVOC	NA	< 720		< 720		< 730		< 670		< 730		< 750		< 730		< 700		< 760		< 790		< 730		< 710		< 710	
100-01-6	4-Nitroaniline	SVOC	NA	< 1800		< 1800		< 1800		< 1700		< 1800		< 1900		< 1800		< 1700		< 1900		< 2000		< 1800		< 1800		< 1800	
100-02-7	4-Nitrophenol	SVOC	NA	< 1800		< 1800		< 1800		< 1700		< 1800		< 1900		< 1800		< 1700		< 1900		< 2000		< 1800		< 1800		< 1800	
83-32-9	Acenaphthene	SVOC	20,000	< 250		< 250		< 250		< 240		130		320		< 260		< 240		< 270		< 280		< 250		< 250		< 250	
208-96-8	Acenaphthylene	SVOC	100,000a	< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140	
98-86-2	Acetophenone	SVOC	NA	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250	
62-53-3	Aniline	SVOC	NA	< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330	
120-12-7	Anthracene	SVOC	100,000a	< 250		< 250		< 250		< 240		< 250		200		140		< 240		< 270		< 280		< 250		< 250		< 250	
1912-24-9	Atrazine	SVOC	NA	< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140	
100-52-7	Benzaldehyde	SVOC	NA	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250	
56-55-3	Benzo-a-Anthracene	SVOC	1,000c	< 250		630		< 250		< 240		210		330		500		120		< 270		< 280		< 250		150		< 250	
50-32-8	Benzo-a-Pyrene	SVOC	1,000c	< 140		590		< 150		< 130		190		280		390		< 140		< 150		< 160		130		140		< 140	
205-99-2	Benzo-b-Fluoranthene	SVOC	1,000c	< 250		750		< 250		< 240		280		410		520		160		< 270		< 280		170		160		< 250	
207-08-9	Benzo-k-Fluoranthene	SVOC	800c	< 250		320		< 250		< 240		< 250		160		200		< 240		< 270		< 280		< 250		< 250		< 250	
191-24-2	Benzo-g,h,i-Perylene	SVOC	100,000	< 250		280		< 250		< 240		140		200		240		< 240		< 270		< 280		< 250		< 250		< 250	
65-85-0	Benzoic Acid	SVOC	NA	< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330	
100-51-6	Benzyl Alcohol	SVOC	NA	< 360		< 360		< 360		< 340		< 360		< 370		< 370		< 350		< 380		< 400		< 360		< 360		< 360	
111-44-4	Bis(2-Chloroethyl)ether	SVOC	NA	< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140	
108-60-1	Bis(2-Chloroisopropyl)ether	SVOC	NA	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250	
117-81-7	Bis(2-Ethylhexyl)Phthalate	SVOC	NA	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250	
85-68-7	Butylbenzylphthalate	SVOC	NA	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250	
105-60-2	Caprolactam	SVOC	NA	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250	
86-74-8	Carbazole	SVOC	NA	< 1800		< 1800		< 1800		< 1700		< 1800		< 1900		< 1800		< 1700		< 1900		< 2000		< 1800		< 1800		< 1800	
218-01-9	Chrysene	SVOC	1,000c	< 250		570		< 250		< 240		240		380		500		< 240		< 270		< 280		140		140		< 250	
75-99-0	Dalapon	SVOC		< 45		< 46		< 47		< 43		< 45		< 47		< 46		< 44		< 49		< 49		< 46		< 45		< 45	
132-64-9	Dibenzofuran	SVOC	7,000	< 250		< 250		< 250		< 240		< 250		280		< 260		< 240		< 270		< 280		< 250		< 250		< 250	
53-70-3	Dibenzo-a,h-Anthracene	SVOC	330b	< 140		140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140	
84-66-2	Diethyl Phthalate	SVOC	NA	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250	
131-11-3	Dimethyl Phthalate	SVOC	NA	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250	
84-74-2	Di-n-Butyl Phthalate	SVOC	NA	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250	
117-84-0	Di-n-Octyl Phthalate	SVOC	NA	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250	
206-44-0	Fluoranthene	SVOC	100,000	< 250		860		130		150		440		670		960		190		< 270		< 280		210		210		< 250	
86-73-7	Fluorene	SVOC	30,000	< 250		< 250		< 250		< 240		< 250		360		< 260		< 240		< 270		< 280		< 250		< 250		< 250	
118-74-1	Hexachlorobenzene	SVOC	330	< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140	
77-47-4	Hexachlorocyclopentadiene	SVOC	NA	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250	
67-72-1	Hexachloroethane	SVOC	NA	< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140	
193-39-5	Indeno(1,2,3-cd)Pyrene	SVOC	500c	< 250		330		< 250		< 240		140		200		240		< 240		< 270		< 280		< 250		< 250		< 250	
78-59-1	Isophorone	SVOC	NA	< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140	
98-95-3	Nitrobenzene	SVOC	NA	< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140	
62-75-9	N-Nitrosodimethylamine	SVOC	NA	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250	
621-64-7	N-Nitroso-di-n-Propylamine	SVOC	NA	< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140	
86-30-6	N-Nitrosodiphenylamine	SVOC	NA	< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140	
87-86-5	Pentachlorophenol	SVOC	800b	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250	
85-01-8	Phenanthrene	SVOC	100,000	< 140		100		< 150		120		370		1000		540		< 140		< 150		< 160		170		150		< 140	
108-95-2	Phenol	SVOC	330b	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250	
129-00-0	Pyrene	SVOC	100,000	< 250		770		< 250		130		390		560		920		190		< 270		< 280		180		180		< 250	

Table 1: Sample Results in Comparison with Part 375 Unrestricted Use SCOs
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NYCRR 375 Unrestricted Use	WC 11 COMP	WC 12 1-2	WC 12 COMP	WC 13 1-2	WC 13 COMP	DUP WC 13 1-2	DUP WC 13 COMP	WC 14 2-3	WC 14 COMP	WC 15 2-3	WC 15 COMP	WC 16 1-2	WC 16 COMP	WC 17 1-2	WC 17 COMP	WC 18 1-2	WC 18 COMP	WC 19 1-2	WC 19 COMP	WC 20 1-2	WC 20 COMP	DUP WC 20 1-2	DUP WC 20 COMP	WC 21 4-5	WC 21 COMP	WC 22 1-2
	Lab Sample ID			BH69296	BH69291	BH69292	BH70562	BH70563	BH70564	BH70565	BH69820	BH69821	BH69818	BH69819	BH69816	BH69817	BH69814	BH69815	BH69812	BH69813	BH69800	BH69801	BH69802	BH69803	BH69804	BH69805	BH69293	BH69294	BH70938
	Date			1/30/2015	1/30/2015	1/30/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/30/2015	1/30/2015	1/29/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
93-76-5	2,4,5-T	HERBICIDE	NA	< 45		< 46		< 47		< 43		< 45		< 47		< 46		< 44		< 49		< 49		< 46		< 45		< 45	
93-72-1	2,4,5-TP Acid	PESTICIDE	3,800	< 45		< 46		< 47		< 43		< 45		< 47		< 46		< 44		< 49		< 49		< 46		< 45		< 45	
94-75-7	2,4-D	HERBICIDE	NA	< 45		< 46		< 47		< 43		< 45		< 47		< 46		< 44		< 49		< 49		< 46		< 45		< 45	
72-54-8	4,4-DDD	PESTICIDE	3.3b	< 2.1		< 2.2		< 2.2		< 2.0		< 2.2		9.7		< 2.2		< 2.1		< 2.3		< 2.3		< 2.2		< 2.1		< 2.1	
72-55-9	4,4-DDE	PESTICIDE	3.3b	< 2.1		< 2.2		< 2.2		< 2.0		< 2.2		< 2.2		< 2.2		< 2.1		< 2.3		< 2.3		< 2.2		< 2.1		< 2.1	
50-29-3	4,4-DDT	PESTICIDE	3.3b	< 2.1		< 2.2		< 2.2		< 2.0		< 2.2		3.5		< 2.2		< 2.1		< 2.3		< 2.3		< 2.2		< 2.1		< 2.1	
309-00-2	Aldrin	PESTICIDE	5c	< 3.6		< 3.6		< 3.7		< 3.4		< 3.6		< 3.7		< 3.7		< 3.5		< 3.9		< 3.9		< 3.7		< 3.5		< 3.5	
319-84-6	alpha-BHC	PESTICIDE	20	< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0		< 7.1	
5103-71-9	Alpha Chlordane	PESTICIDE	94	< 3.6		< 3.6		< 3.7		< 3.4		< 3.6		< 3.7		< 3.7		< 3.5		< 3.9		< 3.9		< 3.7		< 3.5		< 3.5	
12674-11-2	Aroclor 1016	PCB	NA	< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70		< 71	
1104-28-2	Aroclor 1221	PCB	NA	< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70		< 71	
11141-16-5	Aroclor 1232	PCB	NA	< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70		< 71	
53469-21-9	Aroclor 1242	PCB	NA	< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70		< 71	
12672-29-6	Aroclor 1248	PCB	NA	< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70		< 71	
11097-69-1	Aroclor 1254	PCB	NA	< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70		< 71	
11096-82-5	Aroclor 1260	PCB	NA	< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70		< 71	
11096-82-5	Aroclor 1262	PCB	NA	< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70		< 71	
37324-23-5	Aroclor 1268	PCB	NA	< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70		< 71	
319-85-7	beta-BHC	PESTICIDE	36	< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0		< 7.1	
57-74-9	Chlordane	PESTICIDE	94	< 36		< 36		< 37		< 34		< 36		< 37		< 37		< 35		< 39		< 39		< 37		< 35		< 35	
319-86-8	delta-BHC	PESTICIDE	40	< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0		< 7.1	
1918-00-9	Dicamba	HERBICIDE	NA	< 90		< 92		< 93		< 86		< 91		< 93		< 93		< 88		< 97		< 98		< 91		< 90		< 90	
60-57-1	Dieldrin	PESTICIDE	5	< 3.6		< 3.6		< 3.7		< 3.4		< 3.6		< 3.7		< 3.7		< 3.5		< 3.9		< 3.9		< 3.7		< 3.5		< 3.5	
115-29-7	Endosulfan	PESTICIDE	2400	< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0		< 7.1	
959-98-8	Endosulfan I	PESTICIDE	2,400	< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0		< 7.1	
33213-65-9	Endosulfan II	PESTICIDE	2,400	< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0		< 7.1	
1031-07-8	Endosulfan Sulfate	PESTICIDE	2,400	< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0		< 7.1	
72-20-8	Endrin	PESTICIDE	14	< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0		< 7.1	
58-89-9	gamma-BHC	PESTICIDE	100	< 1.4		< 1.4		< 1.5		< 1.3		< 1.4		< 1.5		< 1.5		< 1.4		< 1.5		< 1.6		< 1.5		< 1.4		< 1.4	
5103-74-2	Gamma Chlordane	PESTICIDE	NA	< 3.6		< 3.6		< 3.7		< 3.4		< 3.6		< 3.7		< 3.7		< 3.5		< 3.9		< 3.9		< 3.7		< 3.5		< 3.5	
76-44-8	Heptachlor	PESTICIDE	42	< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0		< 7.1	
1024-57-3	Heptachlor Epoxide	PESTICIDE	NA	< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0		< 7.1	
72-43-5	Methoxychlor	PESTICIDE	NA	< 36		< 36		< 37		< 34		< 36		< 37		< 37		< 35		< 39		< 39		< 37		< 35		< 35	
56-38-2	Parathion	PESTICIDE	NA	< 360		< 5		< 360		< 340		< 5		< 5		< 5		< 350		< 380		< 400		< 360		< 360		< 5	
1336-36-3	Polychlorinated Biphenyls	PESTICIDE	100	0		0		0		0		0		0		0		0		0		0		0		0		0	
8001-35-2	Toxaphene	PESTICIDE	NA	< 140		< 140		< 150		< 130		< 140		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140	
	Unit		*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
7429-90-5	Aluminum, Al	METAL	NA	1320		1480		957		1410		3060		5030		9470		3190		1730		2280		2530		1440		1390	
7440-36-0	Antimony, Sb	METAL	NA	< 3.4		< 3.7		< 3.6		< 3.2		< 3.6		< 4.0		< 3.5		< 3.7		< 4.1		< 3.6		< 3.9		< 3.7		< 3.7	
7440-38-2	Arsenic, As	METAL	13c	1		1.2		< 0.7		0.6		2.6		9.1		6.2		5.4		2.4		1.8		3.2		1.3		1.1	
7440-39-3	Barium, Ba	METAL	350c	7.57		15.4		6.65		8.48		29		103		109		42.5		20.8		16.6		76		22.2		5.81	
7440-41-7	Beryllium, Be	METAL	7.2	< 0.27		< 0.29		< 0.29		< 0.25		< 0.29		0.48		0.56		< 0.29		< 0.33		< 0.29		< 0.31		< 0.30		< 0.30	
7440-43-9	Cadmium, Cd	METAL	2.5c	< 0.34		< 0.37		< 0.36		< 0.32		< 0.36		< 0.40		< 0.35		< 0.37		< 0.41		0.46		0.43		< 0.37		< 0.37	
7440-47-3	Chromium, Cr	METAL	NA	4.75		4.92		2.65		4.46		9.36		11.3		18.9		11.6		10.3		5.41		9.93		5.67		4.59	
18540-29-9	Chromium, hexavalent	METAL	1b	< 0.44		< 0.43		< 0.47		< 0.40		< 0.44		< 0.45		< 0.45		< 0.43		< 0.47		< 0.46		0.48		< 0.43		< 0.45	
16065-83-1	Chromium, trivalent	METAL	30c	4.75		4.92		2.65		4.46		9.36		11.3		18.9		11.6		10.3		5.41		9.45		5.67		4.59	
7440-48-4	Cobalt, Co	METAL	NA	1.14		1.44		1.02		0.97		2.89		5.9		7.91		3.45		2.26		2.06		2.08		1.29		1.22	
7440-50-8	Copper, Cu	METAL	50	2.21		3.48		3.77		3.72		12		84.7		26		14		9.61		4.23		14.6		3.92		1.91	
57-12-5	Cyanide	METAL	27	< 0.55		< 0.51		< 0.47		< 0.47		< 0.55		< 0.56		< 0.51		< 0.54		< 0.59		< 0.60		< 0.56		< 0.54		1.26	
7439-89-6	Iron, Fe	METAL	NA	2620		2860		2880		2520		10600		10600		17900		8740		4360		4160		4910		3070		2900	
7439-92-1	Lead, Pb	METAL	63c	3.22		22.6		13		12.9		37.1		108		145		65.2		13		14.9		170		33.3		4.87	
7439-96-5	Manganese, Mn	METAL	1,600c	32.7		34.9		35		34.6		118		248		275		138		64.2		55.4		78.7		34		29.5	
7439-97-6	Mercury, Hg	METAL	.18c	< 0.03		< 0.03		< 0.03		< 0.02		0.18		0.17		0.09		0.2		< 0.03		< 0.03		0.04		0.05		< 0.03	
7440-02-0	Nickel, Ni	METAL	30	3.91		4.63		2.86		3.05		11.4		20.1		23.6		11.5		7.15		6.78		6.8		4.73		5.57	
7782-49-2	Selenium, Se	METAL	3.9c	< 1.4		< 1.5		< 1.4		< 1.3		< 1.4		< 1.6		< 1.4		< 1.5		< 1.7		< 1.5		< 1.6		< 1.5		< 1.5	
7440-22-4	Silver, Ag	METAL	2	< 0.34		< 0.37		< 0.36		< 0.32		< 0.36		< 0.40		< 0.35		< 0.37		< 0.41		< 0.36		< 0.39		< 0.37		< 0.37	
7440-28-0	Thallium, Ti	METAL	NA	< 3.1		< 3.3		< 3.2		< 2.9		< 3.2		< 3.6		< 3.2		< 3.3		< 3.7		< 3.3		< 3.5		< 3.4		< 3.4	
7440-62-2	Vanadium, V	METAL	NA	4.27		5.36		4.14		4.1		11.2		17		25.2		11.1		6.09		6.56		7.76		5.02		4.72	
7440-66-6	Zinc, Zn	METAL	109c	21.8		25.3		16.4		46.8		35.5		108		116		53.1		39.3		44		145		78.7		54.5	
	pH	pH	NA	9.33		8.95		9.49		9.7		7.19		9.65		8.7		9.68		9.07		8.72		9.42		9.39		9.56	
	TPH	TPH	NA	< 54		< 55		< 55		< 50		<55		<55		<55		<52		<57		<59		<55		<54		< 53	

Notes: Shaded values indicate an exceedance of NYCRR 375 Unrestricted.

Notes
ug/kg = micrograms per kilogram (ppb)
mg/kg = milligrams per kilogram (ppm)
ug/L = micrograms per liter
mg/L = milligrams per liter

Table 1: Sample Results in Comparison with Part 375 Unrestricted Use SCOs
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NYCRR 375 Unrestricted Use	WC 22 COMP	WC 23 1-2	WC 23 COMP	WC 24 1-2	WC 24 COMP	WC 25 1-2	WC 25 COMP	WC 26 2-3	WC 26 COMP	WC 27 1-2	WC 27 COMP	WC 28 1-2	WC 28 COMP	WC 29 2-3	WC 29 COMP	DUP WC 29 2-3	DUP WC 29 COMP	WC 30 1-2	WC 30 COMP	WC 31 1-2	WC 31 COMP	WC 32 2-3	WC 32 COMP	WC 33 3-4	WC 33 COMP	WC 34 2-3	WC 34 COMP	WC 35 1-2
	Lab Sample ID			BH70939	BH70952	BH70953	BH70954	BH70955	BH70948	BH70949	BH70940	BH70941	BH69806	BH69807	BH69289	BH69290	BH69808	BH69809	BH69810	BH69811	BH68765	BH68766	BH70956	BH70957	BH69794	BH69795	BH68763	BH68764	BH70942	BH70943	BH69796
	Date			1/29/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/5/2015	2/5/2015	2/3/2015	2/3/2015	1/30/2015	1/30/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	1/29/2015	1/29/2015	2/3/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
630-20-6	1,1,1,2-Tetrachloroethane	VOC	NA		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
71-55-6	1,1,1-Trichloroethane	VOC	680		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
79-34-5	1,1,2,2-Tetrachloroethane	VOC	NA		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
79-00-5	1,1,2-Trichloroethane	VOC	NA		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
92-52-4	1-1- Biphenyl	SVOC	NA	< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
75-34-3	1,1-Dichloroethane	VOC	270		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
75-35-4	1,1-Dichloroethene	VOC	330		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
95-63-6	1,2,4-Trimethylbenzene	VOC	3,600		< 2.5		< 2.4		< 4.4		< 260		< 5.3		< 5.1		< 270		< 270		< 2.3		< 2.7		< 260		< 2.1		< 3.4		< 5.1
96-12-8	1,2-Dibromo-3-Chloropropane	VOC	NA		< 2.5		< 2.3		< 4.4		< 80		< 5.3		< 5.1		< 80		< 5.0		< 2.3		< 2.3		< 80		< 2.1		< 3.4		< 5.1
106-93-4	1,2-Dibromoethane	VOC	NA		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
95-50-1	1,2-Dichlorobenzene	VOC	1,100		< 2.5		< 2.3		5.1		< 260		< 5.3		< 5.1		< 270		< 5.0		< 2.3		< 2.3		< 260		< 2.1		0.65		< 5.1
107-06-2	1,2-Dichloroethane	VOC	20c		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
78-87-5	1,2-Dichloropropane	VOC	NA		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
108-67-8	1,3,5-Trimethylbenzene	VOC	8,400		< 2.5		< 2.4		< 4.4		< 260		< 5.3		< 5.1		< 270		< 270		< 2.3		< 2.7		< 260		< 2.1		< 3.4		< 5.1
541-73-1	1,3-Dichlorobenzene	VOC	2,400		< 2.5		< 2.3		< 4.4		< 260		< 5.3		< 5.1		< 270		< 5.0		< 2.3		< 2.3		< 260		< 2.1		< 3.4		< 5.1
106-46-7	1,4-Dichlorobenzene	VOC	1,800		< 2.5		< 2.3		1.6		< 260		< 5.3		< 5.1		< 270		< 5.0		< 2.3		< 2.3		< 260		< 2.1		< 3.4		< 5.1
123-91-1	1,4-Dioxane	VOC	100b		< 49		< 46		< 88		< 68		< 100		< 100		< 100		< 99		< 45		< 46		< 91		< 41		< 67		< 100
78-93-3	2-Butanone	VOC	120		< 15		2.8		< 26		< 20		< 32		< 31		< 34		< 30		< 14		< 14		< 27		< 12		< 20		< 30
108-10-1	4-Methyl-2-Pentanone	VOC	NA		< 12		< 12		< 22		< 17		< 26		< 26		< 29		< 25		< 11		< 12		< 23		< 10		< 17		< 25
67-64-1	Acetone	VOC	50		16		18		11		< 34		< 50		< 51		< 50		< 50		< 23		3		< 46		< 21		11		< 50
107-02-8	Acrolein	VOC	NA		< 12		< 12		< 22		< 17		< 26		< 26		< 29		< 25		< 11		< 12		< 23		< 10		< 17		< 25
107-13-1	Acrylonitrile	VOC	NA		< 4.9		< 4.6		< 8.8		< 6.8		< 11		< 10		< 11		< 9.9		< 4.5		< 4.6		< 9.1		< 4.1		< 6.7		< 10
71-43-2	Benzene	VOC	60		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		6.6		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
92-87-5	Benzidine	SVOC	NA	< 530		< 560		< 530		< 570		< 550		< 590		< 530		< 580		< 590		< 530		< 540		< 590		< 540		< 540	
74-97-5	Bromochloromethane	VOC	NA		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
75-27-4	Bromodichloromethane	VOC	NA		< 2.5		< 2.3		< 4.4		< 3.4		1.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
75-25-2	Bromoform	VOC	NA		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
74-83-9	Bromomethane	VOC	NA		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
75-15-0	Carbon Disulfide	VOC	NA		2.3		0.55		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		3.2		< 5.1
56-23-5	Carbon Tetrachloride	VOC	760		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
108-90-7	Chlorobenzene	VOC	1,100		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
124-48-1	Chlorodibromomethane	VOC	NA		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
75-00-3	Chloroethane	VOC	NA		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
67-66-3	Chloroform	VOC	370		< 2.5		< 2.3		< 4.4		< 3.4		110		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		0.94		< 5.1
74-87-3	Chloromethane	VOC	NA		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
156-59-2	cis-1,2-Dichloroethene	VOC	250		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
74-95-3	Dibromomethane	VOC	NA																												
75-71-8	Dichlorodifluoromethane	VOC	NA		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
100-41-4	Ethylbenzene	VOC	1,000		< 2.5		0.54		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
98-82-8	Isopropylbenzene	VOC	NA		< 2.5		< 2.3		< 4.4		< 260		< 5.3		< 5.1		< 270		+++IND		< 2.3		< 2.3		< 260		< 2.1		< 3.4		< 5.1
75-09-2	Methylene Chloride	VOC	50		0.57		0.62		1.3		0.73		2.3		1.7		2.7		2.6		< 2.3		0.45		1.7		< 2.1		1.2		1.6
1634-04-4	Methyl Tert-Butyl Ether	VOC	930		< 4.9		< 4.6		< 8.8		< 6.8		< 11		< 10		< 11		< 9.9		< 4.5		< 4.6		< 9.1		< 4.1		< 6.7		< 10
91-20-3	Naphthalene	SVOC	12,000	< 250		< 260		< 250		< 260		< 260		< 270		< 250		240		< 280		< 250		< 250		< 280		< 250		< 250	
104-51-8	n-Butylbenzene	VOC	12,000		< 2.5		< 2.4		< 4.4		< 260		< 5.3		< 5.1		< 270		< 270		< 2.3		< 2.7		< 260		< 2.1		< 3.4		< 5.1
103-65-1	n-Propylbenzene	VOC	3,900		< 2.5		< 2.4		< 4.4		< 260		< 5.3		< 5.1		< 270		< 270		< 2.3		< 2.7		< 260		< 2.1		< 3.4		< 5.1
99-87-6	p-Isoproplytoluene	VOC	NA		< 2.5		< 2.4		< 4.4		< 260		< 5.3		< 5.1		< 270		< 270		< 2.3		< 2.7		< 260		< 2.1		< 3.4		< 5.1
135-98-8	sec-Butylbenzene	VOC	11,000		< 2.5		< 2.4		< 4.4		< 260		< 5.3		< 5.1		< 270		< 270		< 2.3		< 2.7		< 260		< 2.1		< 3.4		< 5.1
100-42-5	Styrene	VOC	NA		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
98-06-6	tert-Butylbenzene	VOC	5,900		< 2.5		< 2.4		< 4.4		< 260		< 5.3		< 5.1		< 270		< 270		< 2.3		< 2.7		< 260		< 2.1		< 3.4		< 5.1
75-65-0	Tertiary Butyl Alcohol	VOC	NA		< 49		< 46		< 88		< 68		< 110		< 100		< 110		< 99		< 45		< 46		< 91		< 41		< 67		< 100
127-18-4	Tetrachloroethene	VOC	1,300		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
108-88-3	Toluene	VOC	700		< 2.5		< 2.3		< 4.4		0.56		< 5.3		< 5.1		< 5.7		2.6		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
1330-20-7	Total Xylenes	VOC	260		< 2.5		2.9		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
156-60-5	trans-1,2-Dichloroethene	VOC	190		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
79-01-6	Trichloroethene	VOC	470		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
75-69-4	Trichlorofluoromethane	VOC	NA		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
108-05-4	Vinyl Acetate	VOC	NA		< 25		< 24		< 44		< 34		< 53		< 51		< 57		< 50		< 23		< 23		< 46		< 21		< 34		< 51
75-01-4	Vinyl Chloride	VOC	20		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1

Table 1: Sample Results in Comparison with Part 375 Unrestricted Use SCOs
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NYCRR 375 Unrestricted Use	WC 22 COMP	WC 23 1-2	WC 23 COMP	WC 24 1-2	WC 24 COMP	WC 25 1-2	WC 25 COMP	WC 26 2-3	WC 26 COMP	WC 27 1-2	WC 27 COMP	WC 28 1-2	WC 28 COMP	WC 29 2-3	WC 29 COMP	DUP WC 29 2-3	DUP WC 29 COMP	WC 30 1-2	WC 30 COMP	WC 31 1-2	WC 31 COMP	WC 32 2-3	WC 32 COMP	WC 33 3-4	WC 33 COMP	WC 34 2-3	WC 34 COMP	WC 35 1-2
	Lab Sample ID			BH70939	BH70952	BH70953	BH70954	BH70955	BH70948	BH70949	BH70940	BH70941	BH69806	BH69807	BH69289	BH69290	BH69808	BH69809	BH69810	BH69811	BH68765	BH68766	BH70956	BH70957	BH69794	BH69795	BH68763	BH68764	BH70942	BH70943	BH69796
	Date			1/29/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/5/2015	2/5/2015	2/3/2015	2/3/2015	1/30/2015	1/30/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	1/29/2015	1/29/2015	2/3/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
87-68-3	Hexachlorobutadiene	SVOC	NA	< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
122-66-7	1,2- Diphenylhydrazine	SVOC	NA	< 350		< 370		< 360		< 380		< 370		< 390		< 360		< 380		< 390		< 360		< 360		< 390		< 360		< 360	
120-82-1	1,2,4-Trichlorobenzene	VOC	NA		< 2.5		< 2.3		< 4.4		< 260		< 5.3		< 5.1		< 270		< 5.0		< 2.3		< 2.3		< 260		< 2.1		< 3.4		< 5.1
95-94-3	1,2,4,5-Tetrachlorobenzene	SVOC		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
58-90-2	2,3,4,6-Tetrachlorophenol	SVOC		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
95-95-4	2,4,5-Trichlorophenol	SVOC	NA	< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
88-06-2	2,4,6-Trichlorophenol	SVOC	NA	< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150		< 150	
102-83-2	2,4-Dichlorophenol	SVOC	NA	< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150		< 150	
105-67-9	2,4-Dimethylphenol	SVOC	NA	< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
51-28-5	2,4-Dinitrophenol	SVOC	NA	< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
121-14-2	2,4-Dinitrotoluene	SVOC	NA	< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150		< 150	
606-20-2	2,6-Dinitrotoluene	SVOC	NA	< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150		< 150	
91-58-7	2-Chloronaphthalene	SVOC	NA	< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
95-57-8	2-Chlorophenol	SVOC	NA	< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
91-57-6	2-Methylnaphthalene	SVOC	NA	< 250		< 260		< 250		< 260		< 260		< 270		< 250		200		< 280		< 250		< 250		< 280		< 250		< 250	
95-48-7	2-Methylphenol	SVOC	330b	< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
88-74-4	2-Nitroaniline	SVOC	NA	< 1800		< 1900		< 1800		< 1900		< 1800		< 2000		< 1800		< 1900		< 2000		< 1800		< 1800		< 2000		< 1800		< 1800	
88-75-5	2-Nitrophenol	SVOC	NA	< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
91-94-1	3,3-Dichlorobenzidine	SVOC	NA	< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150		< 150	
99-09-2	3-Nitroaniline	SVOC	NA	< 1800		< 1900		< 1800		< 1900		< 1800		< 2000		< 1800		< 1900		< 2000		< 1800		< 1800		< 2000		< 1800		< 1800	
534-52-1	4,6-Dinitro-2-methylphenol	SVOC	NA	< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
59-50-7	4-Chloro-3-methylphenol	SVOC	NA	< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
106-47-8	4-Chloroaniline	SVOC	NA	< 700		< 750		< 710		< 750		< 740		< 780		< 710		< 770		< 790		< 710		< 710		< 790		< 730		< 730	
100-01-6	4-Nitroaniline	SVOC	NA	< 1800		< 1900		< 1800		< 1900		< 1800		< 2000		< 1800		< 1900		< 2000		< 1800		< 1800		< 2000		< 1800		< 1800	
100-02-7	4-Nitrophenol	SVOC	NA	< 1800		< 1900		< 1800		< 1900		< 1800		< 2000		< 1800		< 1900		< 2000		< 1800		< 1800		< 2000		< 1800		< 1800	
83-32-9	Acenaphthene	SVOC	20,000	< 250		< 260		< 250		180		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
208-96-8	Acenaphthylene	SVOC	100,000a	< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150		< 150	
98-86-2	Acetophenone	SVOC	NA	< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
62-53-3	Aniline	SVOC	NA	< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330	
120-12-7	Anthracene	SVOC	100,000a	< 250		< 260		210		510		< 260		< 270		< 250		310		250		< 250		< 250		< 280		< 250		< 250	
1912-24-9	Atrazine	SVOC	NA	< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150		< 150	
100-52-7	Benzaldehyde	SVOC	NA	< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
56-55-3	Benzo-a-Anthracene	SVOC	1,000c	< 250		280		880		1200		280		< 270		< 250		990		600		< 250		200		< 280		< 250		130	
50-32-8	Benzo-a-Pyrene	SVOC	1,000c	< 140		280		800		950		280		< 160		< 140		990		550		< 140		190		< 160		< 150		130	
205-99-2	Benzo-b-Fluoranthene	SVOC	1,000c	< 250		480		1300		1600		490		140		< 250		1300		760		< 250		300		< 280		130		200	
207-08-9	Benzo-k-Fluoranthene	SVOC	800c	< 250		200		520		590		180		< 270		< 250		540		260		< 250		160		< 280		< 250		< 250	
191-24-2	Benzo-g,h,i-Perylene	SVOC	100,000	< 250		< 260		210		220		< 260		< 270		< 250		390		230		< 250		< 250		< 280		< 250		< 250	
65-85-0	Benzoic Acid	SVOC	NA	< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330	
100-51-6	Benzyl Alcohol	SVOC	NA	< 350		< 370		< 360		< 380		< 370		< 390		< 360		< 380		< 390		< 360		< 360		< 390		< 360		< 360	
111-44-4	Bis(2-Chloroethyl)ether	SVOC	NA	< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150		< 150	
108-60-1	Bis(2-Chloroisopropyl)ether	SVOC	NA	< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
117-81-7	Bis(2-Ethylhexyl)Phthalate	SVOC	NA	< 250		230		< 250		120		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
85-68-7	Butylbenzylphthalate	SVOC	NA	< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
105-60-2	Caprolactam	SVOC	NA	< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
86-74-8	Carbazole	SVOC	NA	< 1800		< 1900		< 1800		350		< 1800		< 2000		< 1800		< 1900		< 2000		< 1800		< 1800		< 2000		< 1800		< 1800	
218-01-9	Chrysene	SVOC	1,000c	< 250		270		820		1100		350		130		< 250		1100		660		< 250		190		< 280		< 250		170	
75-99-0	Dalapon	SVOC		< 44		< 46		< 46		< 48		< 46		< 50		< 45		< 49		< 49		< 45		< 45		< 49		< 46		< 46	
132-64-9	Dibenzofuran	SVOC	7,000	< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
53-70-3	Dibenzo-a,h-Anthracene	SVOC	330b	< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150		< 150	
84-66-2	Diethyl Phthalate	SVOC	NA	< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
131-11-3	Dimethyl Phthalate	SVOC	NA	< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
84-74-2	Di-n-Butyl Phthalate	SVOC	NA	< 250		< 260		< 250		< 260		< 260		< 270		< 250		130		< 280		< 250		< 250		< 280		< 250		< 250	
117-84-0	Di-n-Octyl Phthalate	SVOC	NA	< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
206-44-0	Fluoranthene	SVOC	100,000	< 250		470		1700		2100		620		170		< 250		1400		1000		< 250		320		< 280		120		200	
86-73-7	Fluorene	SVOC	30,000	< 250		< 260		< 250		190		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
118-74-1	Hexachlorobenzene	SVOC	330	< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150		< 150	
77-47-4	Hexachlorocyclopentadiene	SVOC	NA	< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
67-72-1	Hexachloroethane	SVOC	NA	< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150		< 150	
193-39-5	Indeno(1,2,3-cd)Pyrene	SVOC	500c	< 250		< 260		200		210		< 260		< 270		< 250		400		240		< 250		< 250		< 280		< 250		< 250	
78-59-1	Isophorone	SVOC	NA	< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150		< 150	
98-95-3	Nitrobenzene	SVOC	NA	< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150		< 150	
62-75-9	N-Nitrosodimethylamine	SVOC	NA	< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
621-64-7	N-Nitroso-di-n-Propylamine	SVOC	NA	< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150		< 150	
86-30-6	N-Nitrosodiphenylamine	SVOC	NA	< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150		< 150	
87-86-5	Pentachlorophenol	SVOC	800b	< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
85-01-8	Phenanthrene	SVOC	100,000	< 140		350		1100		1800		460		170		< 140		1300		1200		< 140		280		< 160		110		180	
108-95-2	Phenol	SVOC	330b	< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
129-00-0	Pyrene	SVOC	100,000	< 250		450		1400		2100		520		170		< 250		1200		830		< 250		270		< 280		< 250		210	

Table 1: Sample Results in Comparison with Part 375 Unrestricted Use SCOs
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NYCRR 375 Unrestricted Use	WC 22 COMP	WC 23 1-2	WC 23 COMP	WC 24 1-2	WC 24 COMP	WC 25 1-2	WC 25 COMP	WC 26 2-3	WC 26 COMP	WC 27 1-2	WC 27 COMP	WC 28 1-2	WC 28 COMP	WC 29 2-3	WC 29 COMP	DUP WC 29 2-3	DUP WC 29 COMP	WC 30 1-2	WC 30 COMP	WC 31 1-2	WC 31 COMP	WC 32 2-3	WC 32 COMP	WC 33 3-4	WC 33 COMP	WC 34 2-3	WC 34 COMP	WC 35 1-2
	Lab Sample ID			BH70939	BH70952	BH70953	BH70954	BH70955	BH70948	BH70949	BH70940	BH70941	BH69806	BH69807	BH69289	BH69290	BH69808	BH69809	BH69810	BH69811	BH68765	BH68766	BH70956	BH70957	BH69794	BH69795	BH68763	BH68764	BH70942	BH70943	BH69796
	Date			1/29/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/5/2015	2/5/2015	2/3/2015	2/3/2015	1/30/2015	1/30/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	1/29/2015	1/29/2015	2/3/2015
	Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
93-76-5	2,4,5-T	HERBICIDE	NA	< 44		< 46		< 46		< 48		< 46		< 50		< 45		< 49		< 49		< 45		< 45		< 49		< 46		< 46	
93-72-1	2,4,5-TP Acid	PESTICIDE	3,800	< 44		< 46		< 46		< 48		< 46		< 50		< 45		< 49		< 49		< 45		< 45		< 49		< 46		< 46	
94-75-7	2,4-D	HERBICIDE	NA	< 44		< 46		< 46		< 48		< 46		< 50		< 45		< 49		< 49		< 45		< 45		< 49		< 46		< 46	
72-54-8	4,4-DDD	PESTICIDE	3.3b	< 2.1		< 2.2		< 2.2		< 2.3		< 2.2		< 2.4		< 2.1		< 12		< 2.3		< 2.1		< 2.1		< 2.4		< 2.2		< 2.2	
72-55-9	4,4-DDE	PESTICIDE	3.3b	< 2.1		< 2.2		< 2.2		< 2.3		< 2.2		< 2.4		< 2.1		< 12		< 2.3		< 2.1		< 2.1		< 2.4		< 2.2		< 2.2	
50-29-3	4,4-DDT	PESTICIDE	3.3b	< 2.1		< 2.2		< 2.2		< 2.3		< 2.2		< 2.4		< 2.1		< 12		< 2.3		< 2.1		< 2.1		< 2.4		< 2.2		< 2.2	
309-00-2	Aldrin	PESTICIDE	5c	< 3.5		< 3.7		< 3.6		< 3.8		< 3.7		< 4.0		< 3.6		< 19		< 3.9		< 3.6		< 3.6		< 3.9		< 3.6		< 3.7	
319-84-6	alpha-BHC	PESTICIDE	20	< 7.0		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2		< 7.4	
5103-71-9	Alpha Chlordane	PESTICIDE	94	< 3.5		< 3.7		< 3.6		< 3.8		< 3.7		< 4.0		< 3.6		< 19		< 3.9		< 3.6		< 3.6		< 3.9		< 3.6		< 3.7	
12674-11-2	Aroclor 1016	PCB	NA	< 70		< 73		< 73		850		< 75		< 80		< 72		< 78		< 78		< 71		< 71		< 79		< 72		< 74	
1104-28-2	Aroclor 1221	PCB	NA	< 70		< 73		< 73		< 76		< 75		< 80		< 72		< 78		< 78		< 71		< 71		< 79		< 72		< 74	
11141-16-5	Aroclor 1232	PCB	NA	< 70		< 73		< 73		< 76		< 75		< 80		< 72		< 78		< 78		< 71		< 71		< 79		< 72		< 74	
53469-21-9	Aroclor 1242	PCB	NA	< 70		< 73		< 73		< 76		< 75		< 80		< 72		< 78		< 78		< 71		< 71		< 79		< 72		< 74	
12672-29-6	Aroclor 1248	PCB	NA	< 70		< 73		< 73		< 76		< 75		< 80		< 72		< 78		< 78		< 71		< 71		< 79		< 72		< 74	
11097-69-1	Aroclor 1254	PCB	NA	< 70		< 73		< 73		< 76		< 75		< 80		< 72		< 78		< 78		< 71		< 71		< 79		< 72		< 74	
11096-82-5	Aroclor 1260	PCB	NA	< 70		< 73		< 73		< 76		< 75		< 80		< 72		430		< 78		< 71		< 71		< 79		< 72		< 74	
11096-82-5	Aroclor 1262	PCB	NA	< 70		< 73		< 73		< 76		< 75		< 80		< 72		< 78		< 78		< 71		< 71		< 79		< 72		< 74	
37324-23-5	Aroclor 1268	PCB	NA	< 70		< 73		< 73		< 76		< 75		< 80		< 72		< 78		< 78		< 71		< 71		< 79		< 72		< 74	
319-85-7	beta-BHC	PESTICIDE	36	< 7.0		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2		< 7.4	
57-74-9	Chlordane	PESTICIDE	94	< 35		< 37		< 36		< 38		< 37		< 40		< 36		< 190		< 39		< 36		< 36		< 39		< 36		< 37	
319-86-8	delta-BHC	PESTICIDE	40	< 7.0		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2		< 7.4	
1918-00-9	Dicamba	HERBICIDE	NA	< 89		< 92		< 91		< 96		< 92		< 99		< 90		< 97		< 99		< 91		< 89		< 98		< 92		< 93	
60-57-1	Dieldrin	PESTICIDE	5	< 3.5		< 3.7		< 3.6		< 3.8		< 3.7		< 4.0		< 3.6		< 19		< 3.9		< 3.6		< 3.6		< 3.9		< 3.6		< 3.7	
115-29-7	Endosulfan	PESTICIDE	2400	< 7.0		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2		< 7.4	
959-98-8	Endosulfan I	PESTICIDE	2,400	< 7.0		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2		< 7.4	
33213-65-9	Endosulfan II	PESTICIDE	2,400	< 7.0		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2		< 7.4	
1031-07-8	Endosulfan Sulfate	PESTICIDE	2,400	< 7.0		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2		< 7.4	
72-20-8	Endrin	PESTICIDE	14	< 7.0		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2		< 7.4	
58-89-9	gamma-BHC	PESTICIDE	100	< 1.4		< 1.5		< 1.5		< 10		< 1.5		< 1.6		< 1.4		< 7.7		< 1.6		< 1.4		< 1.4		< 1.6		< 1.4		< 1.5	
5103-74-2	Gamma Chlordane	PESTICIDE	NA	< 3.5		< 3.7		< 3.6		< 3.8		< 3.7		< 4.0		< 3.6		< 19		< 3.9		< 3.6		< 3.6		< 3.9		< 3.6		< 3.7	
76-44-8	Heptachlor	PESTICIDE	42	< 7.0		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2		< 7.4	
1024-57-3	Heptachlor Epoxide	PESTICIDE	NA	< 7.0		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2		< 7.4	
72-43-5	Methoxychlor	PESTICIDE	NA	< 35		< 37		< 36		< 38		< 37		< 40		< 36		< 190		< 39		< 36		< 36		< 39		< 36		< 37	
56-38-2	Parathion	PESTICIDE	NA	< 350		< 370		< 360		< 380		< 370		< 390		< 360		< 380		< 390		< 360		< 360		< 390		< 360		< 360	
1336-36-3	Polychlorinated Biphenyls	PESTICIDE	100	0		0		0		850		0		0		0		430		0		0		0		0		0		0	
8001-35-2	Toxaphene	PESTICIDE	NA	< 140		< 150		< 150		< 150		< 150		< 160		< 140		< 770		< 160		< 140		< 140		< 160		< 140		< 150	
	Unit		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
7429-90-5	Aluminum, Al	METAL	NA	1240		5390		3710		4900		3260		1320		1390		3360		3810		2280		3610		1360		1830		3390	
7440-36-0	Antimony, Sb	METAL	NA	< 3.2		< 3.5		< 3.4		< 3.9		< 4.0		< 3.9		< 3.5		15.5		18.6		< 3.3		< 3.5		< 4.0		< 3.8		< 3.3	
7440-38-2	Arsenic, As	METAL	13c	0.9		3.6		2.5		3.1		5		1		1.1		10.9		9.1		1.9		2.2		1.4		1.9		4.3	
7440-39-3	Barium, Ba	METAL	350c	9.86		52.6		30.9		53.5		70.1		16.4		12.4		254		509		16		32.7		10.3		11.7		44.1	
7440-41-7	Beryllium, Be	METAL	7.2	< 0.26		0.33		< 0.27		< 0.31		0.39		< 0.31		< 0.28		< 0.33		< 0.31		< 0.26		< 0.28		< 0.32		< 0.30		0.32	
7440-43-9	Cadmium, Cd	METAL	2.5c	< 0.32		0.72		< 0.34		5.41		< 0.40		< 0.39		< 0.35		2.21		1.06		< 0.33		< 0.35		< 0.40		< 0.38		0.37	
7440-47-3	Chromium, Cr	METAL	NA	4.06		15.4		9.19		24.4		10.7		4.86		4.5		287		121		10.4		11.1		4.43		8.39		11.1	
18540-29-9	Chromium, hexavalent	METAL	1b	< 0.43		< 0.45		< 0.42		0.98		< 0.45		< 0.48		< 0.43		< 0.45		2.08		< 0.42		< 0.43		< 0.46		< 0.44		< 0.44	
16065-83-1	Chromium, trivalent	METAL	30c	4.06		15.4		9.19		23.4		10.7		4.86		4.5		287		119		10.4		11.1		4.43		8.39		11.1	
7440-48-4	Cobalt, Co	METAL	NA	1.2		4.74		2.81		3.55		3.84		1.25		1.26		34.8		28.1		2.02		3.48		1.55		1.81		4.44	
7440-50-8	Copper, Cu	METAL	50	6.22		21.7		13.3		29.6		16.6		4.21		1.57		2930		8320		6.45		15.6		3.18		6.59		18.5	
57-12-5	Cyanide	METAL	27	< 0.48		< 0.56		< 0.55		< 0.53		< 0.56		< 0.60		0.66		1.32		0.63		4.16		< 0.54		< 0.54		< 0.51		< 0.56	
7439-89-6	Iron, Fe	METAL	NA	2880		9370		7110		10200		6440		2740		2710		96000		45300		4650		7310		2980		4800		12100	
7439-92-1	Lead, Pb	METAL	63c	18.7		93.6		42.2		238		61		30.6		19.3		505		594		39.6		54.4		12.3		13.2		50.9	
7439-96-5	Manganese, Mn	METAL	1,600c	51.9		146		110		148		103		35.4		30.2		570		336		53.8		125		34.3		50.6		138	
7439-97-6	Mercury, Hg	METAL	.18c	0.04		0.25		0.15		0.21		0.09		< 0.03		0.05		0.1		0.09		< 0.03		0.09		0.08		< 0.03		0.1	
7440-02-0	Nickel, Ni	METAL	30	4.35		17.7		11.7		16.2		12.2		4.13		4.13		151		82.8		7.56		14.1		4.95		6.67		11	
7782-49-2	Selenium, Se	METAL	3.9c	< 1.3		< 1.4		< 1.4		< 1.6		< 1.6		< 1.6		< 1.4		< 1.6		< 1.5		< 1.3		< 1.4		< 1.6		< 1.5		< 1.3	
7440-22-4	Silver, Ag	METAL	2	< 0.32		< 0.35		< 0.34		< 0.39		< 0.40		< 0.39		< 0.35		0.63		2.28		< 0.33		< 0.35		< 0.40		< 0.38		< 0.33	
7440-28-0	Thallium, Ti	METAL	NA	< 2.9		< 3.2		< 3.1		< 3.5		< 3.6		< 3.5		< 3.2		< 3.7		< 3.5		< 2.9		< 3.1		< 3.6		< 3.4		< 3.0	
7440-62-2	Vanadium, V	METAL	NA	4.94		18.6		12.1		16.1		9.98		6.21		4.55		31.3		22.5		7.45		10.4		5.18		6.57		14.6	
7440-66-6	Zinc, Zn	METAL	109c	22.9		91		52.3		495		97.5		30.5		16.4		1030		600		50		51.4		23.4		16		109	
	pH	pH	NA	8.85		12		11.69		11.94		9.36		10.75		9.39		8.14		8.44		9.07		9.61		9.07		10.26		10.51	
	TPH	TPH	NA	<53		<55		<54		<58		<56		<60		< 54		660		280		< 55		<53		<58		< 54		<54	

Notes: Shaded values indicate an exceedance of NYCRR 375 Unrestricted.

Notes
ug/kg = micrograms per kilogram (ppb)
mg/kg = milligrams per kilogram (ppm)
ug/L = micrograms per liter
mg/L = milligrams per liter

Table 1: Sample Results in Comparison with Part 375 Unrestricted Use SCOs
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NYCRR 375 Unrestricted Use	WC 35 COMP	WC 36 2-3	WC 36 COMP	WC 37 4-5	WC 37 COMP	WC 38 1-2	WC 38 COMP	WC 39 2-3	WC 39 COMP	WC 40 1-2	WC 40 COMP	WC 41 1-2	WC 41 COMP	WC 42 1-2	WC 42 COMP	WC 43 1-2	WC 43 COMP	WC 44 1-2	WC 44 COMP	WC 45 2-3	WC 45 COMP	DUP WC 45 2-3	DUP WC 45 COMP	WC 46 2-3	WC 46 COMP	WC 47 2-3	WC 47 COMP	WC 48 2-3
	Lab Sample ID			BH69797	BH68761	BH68762	BH70548	BH70549	BH70550	BH70551	BH70950	BH70951	BH69798	BH69799	BH68759	BH68760	BH70544	BH70545	BH70552	BH70553	BH70570	BH70571	BH70566	BH70567	BH70568	BH70569	BH68757	BH68758	BH70546	BH70547	BH70542
	Date			2/3/2015	1/29/2015	1/29/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	1/29/2015	1/29/2015	2/4/2015	2/4/2015	2/4/2015
	Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
630-20-6	1,1,1,2-Tetrachloroethane	VOC	NA		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4
71-55-6	1,1,1-Trichloroethane	VOC	680		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4
79-34-5	1,1,2,2-Tetrachloroethane	VOC	NA		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4
79-00-5	1,1,2-Trichloroethane	VOC	NA		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4
92-52-4	1-1- Biphenyl	SVOC	NA	< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250	
75-34-3	1,1-Dichloroethane	VOC	270		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4
75-35-4	1,1-Dichloroethene	VOC	330		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4
95-63-6	1,2,4-Trimethylbenzene	VOC	3,600		< 250		< 3.3		< 250		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3		< 2.2		< 3.4
96-12-8	1,2-Dibromo-3-Chloropropane	VOC	NA		< 250		< 3.3		< 80		< 3.0		< 80		< 2.6		< 4.9		< 2.3		< 80		< 80		< 80		< 2.3		< 2.2		< 3.4
106-93-4	1,2-Dibromoethane	VOC	NA		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4
95-50-1	1,2-Dichlorobenzene	VOC	1,100		< 250		< 3.3		< 250		< 3.0		< 640		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3		< 2.2		< 3.4
107-06-2	1,2-Dichloroethane	VOC	20c		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4
78-87-5	1,2-Dichloropropane	VOC	NA		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4
108-67-8	1,3,5-Trimethylbenzene	VOC	8,400		< 250		< 3.3		< 250		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3		< 2.2		< 3.4
541-73-1	1,3-Dichlorobenzene	VOC	2,400		< 250		< 3.3		< 250		< 3.0		< 640		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3		< 2.2		< 3.4
106-46-7	1,4-Dichlorobenzene	VOC	1,800		< 250		< 3.3		< 250		< 3.0		< 640		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3		< 2.2		< 3.4
123-91-1	1,4-Dioxane	VOC	100b		< 47		< 65		< 52		< 60		< 83		< 51		< 97		< 45		< 48		< 100		< 86		< 46		< 44		< 67
78-93-3	2-Butanone	VOC	120		< 14		< 20		< 16		< 18		< 25		< 15		< 29		< 14		< 14		< 35		< 26		< 14		< 13		< 20
108-10-1	4-Methyl-2-Pentanone	VOC	NA		< 12		< 16		< 13		< 15		< 21		< 13		< 24		< 11		< 12		< 29		< 22		< 12		< 11		< 17
67-64-1	Acetone	VOC	50		2.6		< 33		3.6		< 30		< 42		< 26		< 49		6.5		< 24		< 50		< 43		4.2		< 22		< 34
107-02-8	Acrolein	VOC	NA		< 12		< 16		< 13		< 15		< 21		< 13		< 24		< 11		< 12		< 29		< 22		< 12		< 11		< 17
107-13-1	Acrylonitrile	VOC	NA		< 4.7		< 6.5		< 5.2		< 6.0		< 8.3		< 5.1		< 9.7		< 4.5		< 4.8		< 12		< 8.6		< 4.6		< 4.4		< 6.7
71-43-2	Benzene	VOC	60		66		< 3.3		< 2.6		< 3.0		0.97		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4
92-87-5	Benzidine	SVOC	NA	< 560		< 570		< 540		< 2700		< 560		< 560		< 2600		< 700		< 550		< 560		< 560		< 570		< 540		< 550	
74-97-5	Bromochloromethane	VOC	NA		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4
75-27-4	Bromodichloromethane	VOC	NA		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4
75-25-2	Bromoform	VOC	NA		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4
74-83-9	Bromomethane	VOC	NA		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4
75-15-0	Carbon Disulfide	VOC	NA		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4
56-23-5	Carbon Tetrachloride	VOC	760		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4
108-90-7	Chlorobenzene	VOC	1,100		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4
124-48-1	Chlorodibromomethane	VOC	NA		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4
75-00-3	Chloroethane	VOC	NA		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4
67-66-3	Chloroform	VOC	370		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4
74-87-3	Chloromethane	VOC	NA		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4
156-59-2	cis-1,2-Dichloroethene	VOC	250		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4
74-95-3	Dibromomethane	VOC	NA																												
75-71-8	Dichlorodifluoromethane	VOC	NA		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4
100-41-4	Ethylbenzene	VOC	1,000		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4
98-82-8	Isopropylbenzene	VOC	NA		< 250		< 3.3		< 250		< 3.0		< 640		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3		< 2.2		< 3.4
75-09-2	Methylene Chloride	VOC	50		< 2.4		1.7		1.5		0.76		< 4.2		< 2.6		1.5		1		0.72		2.4		1.1		< 2.3		0.57		2
1634-04-4	Methyl Tert-Butyl Ether	VOC	930		< 4.7		< 6.5		< 5.2		< 6.0		< 8.3		< 5.1		< 9.7		< 4.5		< 4.8		< 12		< 8.6		< 4.6		< 4.4		< 6.7
91-20-3	Naphthalene	SVOC	12,000	< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		130		< 250		< 250	
104-51-8	n-Butylbenzene	VOC	12,000		< 250		< 3.3		< 250		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3		< 2.2		< 3.4
103-65-1	n-Propylbenzene	VOC	3,900		< 250		< 3.3		< 250		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3		< 2.2		< 3.4
99-87-6	p-Isoproplytoluene	VOC	NA		< 250		< 3.3		< 250		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3		< 2.2		< 3.4
135-98-8	sec-Butylbenzene	VOC	11,000		< 250		< 3.3		< 250		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3		< 2.2		< 3.4
100-42-5	Styrene	VOC	NA		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4
98-06-6	tert-Butylbenzene	VOC	5,900		< 250		< 3.3		< 250		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3		< 2.2		< 3.4
75-65-0	Tertiary Butyl Alcohol	VOC	NA		< 47		< 65		< 52		< 60		< 83		< 51		< 97		< 45		< 48		< 120		< 86		< 46		< 44		< 67
127-18-4	Tetrachloroethene	VOC	1,300		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4
108-88-3	Toluene	VOC	700		140		< 3.3		< 2.6		< 3.0		200		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4
1330-20-7	Total Xylenes	VOC	260		< 250		< 3.3		< 2.6		< 3.0		550		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4
156-60-5	trans-1,2-Dichloroethene	VOC	190		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4
79-01-6	Trichloroethene	VOC	470		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4
75-69-4	Trichlorofluoromethane	VOC	NA		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4
108-05-4	Vinyl Acetate	VOC	NA		< 24		< 33		< 26		< 30		< 42		< 26		< 49		< 23		< 24		< 59		< 43		< 23		< 22		< 34
75-01-4	Vinyl Chloride	VOC	20		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4

Table 1: Sample Results in Comparison with Part 375 Unrestricted Use SCOs
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NYCRR 375 Unrestricted Use	WC 35 COMP	WC 36 2-3	WC 36 COMP	WC 37 4-5	WC 37 COMP	WC 38 1-2	WC 38 COMP	WC 39 2-3	WC 39 COMP	WC 40 1-2	WC 40 COMP	WC 41 1-2	WC 41 COMP	WC 42 1-2	WC 42 COMP	WC 43 1-2	WC 43 COMP	WC 44 1-2	WC 44 COMP	WC 45 2-3	WC 45 COMP	DUP WC 45 2-3	DUP WC 45 COMP	WC 46 2-3	WC 46 COMP	WC 47 2-3	WC 47 COMP	WC 48 2-3
	Lab Sample ID			BH69797	BH68761	BH68762	BH70548	BH70549	BH70550	BH70551	BH70950	BH70951	BH69798	BH69799	BH68759	BH68760	BH70544	BH70545	BH70552	BH70553	BH70570	BH70571	BH70566	BH70567	BH70568	BH70569	BH68757	BH68758	BH70546	BH70547	BH70542
	Date			2/3/2015	1/29/2015	1/29/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	1/29/2015	2/4/2015	2/4/2015	2/4/2015
	Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
87-68-3	Hexachlorobutadiene	SVOC	NA	< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250	
122-66-7	1,2- Diphenylhydrazine	SVOC	NA	< 380		< 380		< 360		< 1800		< 370		< 370		< 1800		< 700		< 370		< 370		< 370		< 380		< 360		< 360	
120-82-1	1,2,4-Trichlorobenzene	VOC	NA		< 250		< 3.3		< 250		< 3.0		< 640		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3		< 2.2		< 3.4
95-94-3	1,2,4,5-Tetrachlorobenzene	SVOC		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250	
58-90-2	2,3,4,6-Tetrachlorophenol	SVOC		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250	
95-95-4	2,4,5-Trichlorophenol	SVOC	NA	< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250	
88-06-2	2,4,6-Trichlorophenol	SVOC	NA	< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140		< 150	
102-83-2	2,4-Dichlorophenol	SVOC	NA	< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140		< 150	
105-67-9	2,4-Dimethylphenol	SVOC	NA	< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250	
51-28-5	2,4-Dinitrophenol	SVOC	NA	< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250	
121-14-2	2,4-Dinitrotoluene	SVOC	NA	< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140		< 150	
606-20-2	2,6-Dinitrotoluene	SVOC	NA	< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140		< 150	
91-58-7	2-Chloronaphthalene	SVOC	NA	< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250	
95-57-8	2-Chlorophenol	SVOC	NA	< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250	
91-57-6	2-Methylnaphthalene	SVOC	NA	< 260		< 260		< 250		< 1200		< 260		120		< 1200		< 510		< 260		< 260		< 260		120		< 250		< 250	
95-48-7	2-Methylphenol	SVOC	330b	< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 330		< 260		< 260		< 260		< 270		< 250		< 250	
88-74-4	2-Nitroaniline	SVOC	NA	< 1900		< 1900		< 1800		< 8900		< 1900		< 1900		< 8800		< 3600		< 1800		< 1900		< 1900		< 1900		< 1800		< 1800	
88-75-5	2-Nitrophenol	SVOC	NA	< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250	
91-94-1	3,3-Dichlorobenzidine	SVOC	NA	< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140		< 150	
99-09-2	3-Nitroaniline	SVOC	NA	< 1900		< 1900		< 1800		< 8900		< 1900		< 1900		< 8800		< 3600		< 1800		< 1900		< 1900		< 1900		< 1800		< 1800	
534-52-1	4,6-Dinitro-2-methylphenol	SVOC	NA	< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250	
59-50-7	4-Chloro-3-methylphenol	SVOC	NA	< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250	
106-47-8	4-Chloroaniline	SVOC	NA	< 750		< 760		< 720		< 3600		< 750		< 750		< 3500		< 1500		< 730		< 750		< 750		< 760		< 720		< 730	
100-01-6	4-Nitroaniline	SVOC	NA	< 1900		< 1900		< 1800		< 8900		< 1900		< 1900		< 8800		< 3600		< 1800		< 1900		< 1900		< 1900		< 1800		< 1800	
100-02-7	4-Nitrophenol	SVOC	NA	< 1900		< 1900		< 1800		< 8900		< 1900		< 1900		< 8800		< 3600		< 1800		< 1900		< 1900		< 1900		< 1800		< 1800	
83-32-9	Acenaphthene	SVOC	20,000	< 260		< 260		< 250		< 1200		440		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250	
208-96-8	Acenaphthylene	SVOC	100,000a	< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140		< 150	
98-86-2	Acetophenone	SVOC	NA	< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250	
62-53-3	Aniline	SVOC	NA	< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330	
120-12-7	Anthracene	SVOC	100,000a	< 260		< 260		< 250		< 1200		1200		< 260		810		< 510		< 260		300		< 260		250		< 250		130	
1912-24-9	Atrazine	SVOC	NA	< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140		< 150	
100-52-7	Benzaldehyde	SVOC	NA	< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250	
56-55-3	Benzo-a-Anthracene	SVOC	1,000c	330		490		190		620		3100		190		5000		< 510		< 260		830		180		710		140		340	
50-32-8	Benzo-a-Pyrene	SVOC	1,000c	400		530		190		< 710		2500		200		4300		< 200		< 150		780		180		640		130		300	
205-99-2	Benzo-b-Fluoranthene	SVOC	1,000c	490		680		260		650		4200		270		5800		300		130		1100		270		930		190		410	
207-08-9	Benzo-k-Fluoranthene	SVOC	800c	190		230		< 250		< 1200		1300		< 260		2000		< 510		< 260		380		< 260		330		< 250		160	
191-24-2	Benzo-g,h,i-Perylene	SVOC	100,000	400		390		< 250		< 1200		640		160		2000		< 510		< 260		390		120		350		< 250		140	
65-85-0	Benzoic Acid	SVOC	NA	< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330	
100-51-6	Benzyl Alcohol	SVOC	NA	< 380		< 380		< 360		< 1800		< 370		< 370		< 1800		< 730		< 370		< 370		< 370		< 380		< 360		< 360	
111-44-4	Bis(2-Chloroethyl)ether	SVOC	NA	< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140		< 150	
108-60-1	Bis(2-Chloroisopropyl)ether	SVOC	NA	< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250	
117-81-7	Bis(2-Ethylhexyl)Phthalate	SVOC	NA	< 260		< 260		< 250		< 1200		940		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250	
85-68-7	Butylbenzylphthalate	SVOC	NA	< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250	
105-60-2	Caprolactam	SVOC	NA	< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250	
86-74-8	Carbazole	SVOC	NA	< 1900		< 1900		< 1800		< 8900		820		< 1900		< 8800		< 3600		< 1800		< 1900		< 1900		< 1900		< 1800		< 1800	
218-01-9	Chrysene	SVOC	1,000c	420		550		220		620		2800		230		4800		< 510		< 260		910		230		840		160		370	
75-99-0	Dalapon	SVOC		< 48		< 47		< 46		< 45		< 48		< 46		< 45		< 46		< 46		< 46		< 47		< 47		< 45		< 47	
132-64-9	Dibenzofuran	SVOC	7,000	< 260		< 260		< 250		< 1200		240		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250	
53-70-3	Dibenzo-a,h-Anthracene	SVOC	330b	< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 200		< 150		< 150		< 150		< 150		< 140		< 150	
84-66-2	Diethyl Phthalate	SVOC	NA	< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250	
131-11-3	Dimethyl Phthalate	SVOC	NA	< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250	
84-74-2	Di-n-Butyl Phthalate	SVOC	NA	< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250	
117-84-0	Di-n-Octyl Phthalate	SVOC	NA	< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250	
206-44-0	Fluoranthene	SVOC	100,000	530		880		330		1300		5500		340		7200		480		180		1500		410		1800		230		690	
86-73-7	Fluorene	SVOC	30,000	< 260		< 260		< 250		< 1200		420		< 260		< 1200		< 510		< 260		< 260		< 260		130		< 250		< 250	
118-74-1	Hexachlorobenzene	SVOC	330	< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140		< 150	
77-47-4	Hexachlorocyclopentadiene	SVOC	NA	< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250	
67-72-1	Hexachloroethane	SVOC	NA	< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140		< 150	
193-39-5	Indeno(1,2,3-cd)Pyrene	SVOC	500c	330		410		< 250		< 1200		620		140		2300		< 500		< 260		440		130		410		< 250		160	
78-59-1	Isophorone	SVOC	NA	< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140		< 150	
98-95-3	Nitrobenzene	SVOC	NA	< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140		< 150	
62-75-9	N-Nitrosodimethylamine	SVOC	NA	< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250	
621-64-7	N-Nitroso-di-n-Propylamine	SVOC	NA	< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 200		< 150		< 150		< 150		< 150		< 140		< 150	
86-30-6	N-Nitrosodiphenylamine	SVOC	NA	< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140		< 150	
87-86-5	Pentachlorophenol	SVOC	800b	< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250	
85-01-8	Phenanthrene	SVOC	100,000	550		730		260		800		4000		310		3000		280		130		960		260		1500		180		520	
108-95-2	Phenol	SVOC	330b	< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 330		< 260		< 260		< 260		< 270		< 250		< 250	
129-00-0	Pyrene	SVOC	100,000	440		750		290		1200		4900		270		6200		460		160		1400		360		1400		190		580	

Table 1: Sample Results in Comparison with Part 375 Unrestricted Use SCOs
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NYCRR 375 Unrestricted Use	WC 35 COMP	WC 36 2-3	WC 36 COMP	WC 37 4-5	WC 37 COMP	WC 38 1-2	WC 38 COMP	WC 39 2-3	WC 39 COMP	WC 40 1-2	WC 40 COMP	WC 41 1-2	WC 41 COMP	WC 42 1-2	WC 42 COMP	WC 43 1-2	WC 43 COMP	WC 44 1-2	WC 44 COMP	WC 45 2-3	WC 45 COMP	DUP WC 45 2-3	DUP WC 45 COMP	WC 46 2-3	WC 46 COMP	WC 47 2-3	WC 47 COMP	WC 48 2-3
	Lab Sample ID			BH69797	BH68761	BH68762	BH70548	BH70549	BH70550	BH70551	BH70950	BH70951	BH69798	BH69799	BH68759	BH68760	BH70544	BH70545	BH70552	BH70553	BH70570	BH70571	BH70566	BH70567	BH70568	BH70569	BH68757	BH68758	BH70546	BH70547	BH70542
	Date			2/3/2015	1/29/2015	1/29/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	1/29/2015	2/4/2015	2/4/2015	2/4/2015
	Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
93-76-5	2,4,5-T	HERBICIDE	NA	< 48		< 47		< 46		< 45		< 48		< 46		< 45		< 46		< 46		< 46		< 47		< 47		< 45		< 47	
93-72-1	2,4,5-TP Acid	PESTICIDE	3,800	< 48		< 47		< 46		< 45		< 48		< 46		< 45		< 46		< 46		< 46		< 47		< 47		< 45		< 47	
94-75-7	2,4-D	HERBICIDE	NA	< 48		< 47		< 46		< 45		< 48		< 46		< 45		< 46		< 46		< 46		< 47		< 47		< 45		< 47	
72-54-8	4,4-DDD	PESTICIDE	3.3b	< 2.3		< 2.2		< 2.2		< 2.1		< 2.3		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2		< 2.1		< 2.2	
72-55-9	4,4-DDE	PESTICIDE	3.3b	< 2.3		< 2.2		< 2.2		< 2.1		< 2.3		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2		< 2.1		< 2.2	
50-29-3	4,4-DDT	PESTICIDE	3.3b	< 2.3		< 2.2		< 2.2		< 2.1		< 2.3		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2		< 2.1		< 2.2	
309-00-2	Aldrin	PESTICIDE	5c	< 3.8		< 3.7		< 3.7		< 3.6		< 3.8		< 3.7		< 3.6		< 3.6		< 3.6		< 3.6		< 3.7		< 3.7		< 3.6		< 3.7	
319-84-6	alpha-BHC	PESTICIDE	20	< 7.6		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5		< 7.1		< 7.5	
5103-71-9	Alpha Chlordane	PESTICIDE	94	< 3.8		< 3.7		11		< 3.6		< 3.8		< 3.7		< 3.6		< 3.6		< 3.6		< 3.6		< 3.7		< 3.7		< 3.6		< 3.7	
12674-11-2	Aroclor 1016	PCB	NA	< 76		< 75		< 74		< 72		870		< 73		< 72		< 73		< 73		< 73		< 74		< 75		< 71		< 75	
1104-28-2	Aroclor 1221	PCB	NA	< 76		< 75		< 74		< 72		< 75		< 73		< 72		< 73		< 73		< 73		< 74		< 75		< 71		< 75	
11141-16-5	Aroclor 1232	PCB	NA	< 76		< 75		< 74		< 72		< 75		< 73		< 72		< 73		< 73		< 73		< 74		< 75		< 71		< 75	
53469-21-9	Aroclor 1242	PCB	NA	< 76		< 75		< 74		< 72		< 75		< 73		< 72		< 73		< 73		< 73		< 74		< 75		< 71		< 75	
12672-29-6	Aroclor 1248	PCB	NA	< 76		< 75		< 74		< 72		< 75		< 73		< 72		< 73		< 73		< 73		< 74		< 75		< 71		< 75	
11097-69-1	Aroclor 1254	PCB	NA	< 76		< 75		< 74		< 72		< 75		< 73		< 72		< 73		< 73		< 73		< 74		< 75		< 71		< 75	
11096-82-5	Aroclor 1260	PCB	NA	< 76		< 75		< 74		< 72		< 75		< 73		< 72		< 73		< 73		< 73		< 74		< 75		< 71		< 75	
11096-82-5	Aroclor 1262	PCB	NA	< 76		< 75		< 74		< 72		< 75		< 73		< 72		< 73		< 73		< 73		< 74		< 75		< 71		< 75	
37324-23-5	Aroclor 1268	PCB	NA	< 76		< 75		< 74		< 72		< 75		< 73		< 72		< 73		< 73		< 73		< 74		< 75		< 71		< 75	
319-85-7	beta-BHC	PESTICIDE	36	< 7.6		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5		< 7.1		< 7.5	
57-74-9	Chlordane	PESTICIDE	94	< 38		< 37		71		< 36		< 38		< 37		< 36		< 36		< 36		< 36		< 37		< 37		< 36		< 37	
319-86-8	delta-BHC	PESTICIDE	40	< 7.6		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5		< 7.1		< 7.5	
1918-00-9	Dicamba	HERBICIDE	NA	< 96		< 94		< 92		< 90		< 96		< 93		< 89		< 93		< 93		< 92		< 94		< 95		< 90		< 93	
60-57-1	Dieldrin	PESTICIDE	5	< 3.8		< 3.7		< 3.7		< 3.6		< 3.8		< 3.7		< 3.6		< 3.6		< 3.6		< 3.6		< 3.7		< 3.7		< 3.6		< 3.7	
115-29-7	Endosulfan	PESTICIDE	2400	< 7.6		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5		< 7.1		< 7.5	
959-98-8	Endosulfan I	PESTICIDE	2,400	< 7.6		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5		< 7.1		< 7.5	
33213-65-9	Endosulfan II	PESTICIDE	2,400	< 7.6		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5		< 7.1		< 7.5	
1031-07-8	Endosulfan Sulfate	PESTICIDE	2,400	< 7.6		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5		< 7.1		< 7.5	
72-20-8	Endrin	PESTICIDE	14	< 7.6		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5		< 7.1		< 7.5	
58-89-9	gamma-BHC	PESTICIDE	100	< 1.5		< 1.5		< 1.5		< 1.4		< 10		< 1.5		< 1.4		< 1.5		< 1.5		< 1.5		< 1.5		< 1.5		< 1.4		< 1.5	
5103-74-2	Gamma Chlordane	PESTICIDE	NA	< 3.8		< 3.7		11		< 3.6		< 3.8		< 3.7		< 3.6		< 3.6		< 3.6		< 3.6		< 3.7		< 3.7		< 3.6		< 3.7	
76-44-8	Heptachlor	PESTICIDE	42	< 7.6		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5		< 7.1		< 7.5	
1024-57-3	Heptachlor Epoxide	PESTICIDE	NA	< 7.6		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5		< 7.1		< 7.5	
72-43-5	Methoxychlor	PESTICIDE	NA	< 38		< 37		< 37		< 36		< 38		< 37		< 36		< 36		< 36		< 36		< 37		< 37		< 36		< 37	
56-38-2	Parathion	PESTICIDE	NA	< 380		< 380		< 5		< 5		< 370		< 370		< 350		< 5		< 5		< 5		< 5		< 5		< 360		< 5	
1336-36-3	Polychlorinated Biphenyls	PESTICIDE	100	0		0		0		0		870		0		0		0		0		0		0		0		0		0	
8001-35-2	Toxaphene	PESTICIDE	NA	< 150		< 150		< 150		< 140		< 150		< 150		< 140		< 150		< 150		< 150		< 150		< 150		< 140		< 150	
	Unit		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
7429-90-5	Aluminum, Al	METAL	NA	2850		2900		4000		5020		10100		2110		2130		5970		3690		2470		3150		1890		2150		6880	
7440-36-0	Antimony, Sb	METAL	NA	< 3.4		< 3.7		< 3.5		< 3.8		< 10		< 3.8		< 3.3		< 3.3		< 3.5		< 3.5		< 4.1		< 3.5		< 3.7		< 3.5	
7440-38-2	Arsenic, As	METAL	13c	5.1		4		2.6		5		4.5		2.2		2.6		4.9		2.3		3.1		3.5		4.2		2.1		3.9	
7440-39-3	Barium, Ba	METAL	350c	44.6		82.5		37.5		46.1		96.1		30.2		110		59.3		29.2		128		94.9		111		38.7		244	
7440-41-7	Beryllium, Be	METAL	7.2	0.3		< 0.30		< 0.28		0.31		0.35		< 0.31		< 0.26		0.34		< 0.28		< 0.28		< 0.32		< 0.28		< 0.30		0.9	
7440-43-9	Cadmium, Cd	METAL	2.5c	< 0.34		< 0.37		0.87		0.67		20.6		< 0.38		< 0.33		< 0.33		0.6		0.64		< 0.41		< 0.35		< 0.37		0.4	
7440-47-3	Chromium, Cr	METAL	NA	8.64		9.27		13.2		14.7		58.9		7.2		7.11		14.5		10.6		10.7		8.61		7.92		7.2		15.6	
18540-29-9	Chromium, hexavalent	METAL	1b	< 0.47		< 0.45		< 0.43		< 0.42		1.14		< 0.45		< 0.43		< 0.45		< 0.45		< 0.45		< 0.45		< 0.46		< 0.43		< 0.45	
16065-83-1	Chromium, trivalent	METAL	30c	8.64		9.27		13.2		14.7		57.8		7.2		7.11		14.5		10.6		10.7		8.61		7.92		7.2		15.6	
7440-48-4	Cobalt, Co	METAL	NA	4.19		4.14		4.26		6.14		4.65		1.9		1.8		4.81		3.44		2.34		2.79		2.38		1.92		6.34	
7440-50-8	Copper, Cu	METAL	50	17.6		23.2		21.7		55.2		59.9		11		25.5		16.2		14.4		73.1		39.1		31.9		18.4		35.8	
57-12-5	Cyanide	METAL	27	< 0.58		< 0.57		< 0.51		< 0.54		< 0.57		< 0.56		< 0.54		< 0.56		< 0.51		< 0.47		< 0.57		< 0.57		< 0.49		< 0.56	
7439-89-6	Iron, Fe	METAL	NA	7930		7140		8860		12300		15400		4820		4260		10800		8870		7540		5960		6210		4600		10900	
7439-92-1	Lead, Pb	METAL	63c	35.2		188		65.4		88.5		712		72.6		212		57.8		41.8		253		207		212		84.8		70.4	
7439-96-5	Manganese, Mn	METAL	1,600c	110		114		136		333		217		54.7		61.8		234		113		101		98.2		64.1		66.5		247	
7439-97-6	Mercury, Hg	METAL	.18c	0.65		0.1		0.05		0.09		0.4		0.08		0.42		0.21		0.07		0.48		0.53		0.18		0.2		0.09	
7440-02-0	Nickel, Ni	METAL	30	10.3		9.85		18.6		22.3		23.1		6.29		6.31		19.8		16.6		9.81		9.78		7.95		6.11		29.3	
7782-49-2	Selenium, Se	METAL	3.9c	< 1.4		< 1.5		< 1.4		< 1.5		< 1.6		< 1.5		< 1.3		< 1.3		< 1.4		< 1.4		< 1.6		< 1.4		< 1.5		< 1.4	
7440-22-4	Silver, Ag	METAL	2	< 0.34		< 0.37		< 0.35		< 0.38		< 1.0		< 0.38		< 0.33		< 0.33		< 0.35		< 0.35		< 0.41		< 0.35		< 0.37		< 0.35	
7440-28-0	Thallium, Ti	METAL	NA	< 3.1		< 3.4		< 3.1		< 3.4		< 3.5		< 3.5		< 2.9		< 3.0		< 3.1		< 3.2		< 3.7		< 3.1		< 3.4		< 3.2	
7440-62-2	Vanadium, V	METAL	NA	11.3		12.6		13.1		20.2		25		6.69		7.51		17.5		11.2		9.11		12.7		9.61		7.57		20.4	
7440-66-6	Zinc, Zn	METAL	109c	51		102		102		95.6		840		57.6		188		75.9		64.7		236		164		153		84.3		79.3	
	pH	pH	NA	9.48		10.52		9.48		9.11		11.2		9.01		11.09		10.29		11.73		9.03		9.02		8.91		10.92		9.2	
	TPH	TPH	NA	<57		< 56		< 55		58		75		<56		< 53		< 55		< 55		< 55		< 57		< 56		< 53		< 55	

Notes: Shaded values indicate an exceedance of NYCRR 375 Unrestricted.

Notes
ug/kg = micrograms per kilogram (ppb)
mg/kg = milligrams per kilogram (ppm)
ug/L = micrograms per liter
mg/L = milligrams per liter

Table 1: Sample Results in Comparison with Part 375 Unrestricted Use SCOs
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NYCRR 375 Unrestricted Use	WC 48 COMP	WC 49 1-2	WC 49 COMP	WC 50 2-3	WC 50 COMP	WC 51 2-3	WC 51 COMP	DUP WC 51 2-3	DUP WC 51 COMP	WC 52 2-3 GRAB	WC 52 2-3 COMP	WC 53 6-7 GRAB	WC 53 COMP	WC 54 3-4 GRAB	WC 54 COMP	WC 55 2-3	WC 55 COMP	WC 56 4-5 GRAB	WC 56 COMP	WC 57 2-3	WC 57 COMP
	Lab Sample ID			BH70543	BH70560	BH70561	BH70558	BH70559	BH70554	BH70555	BH70556	BH70557	BH67409	BH67410	BH67413	BH67414	BH67415	BH67416	BH68755	BH68756	BH67411	BH67412	BH68753	BH68754
	Date			2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/29/2015	1/29/2015	1/26/2015	1/26/2015	1/29/2015	1/29/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
630-20-6	1,1,1,2-Tetrachloroethane	VOC	NA		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
71-55-6	1,1,1-Trichloroethane	VOC	680		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
79-34-5	1,1,2,2-Tetrachloroethane	VOC	NA		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
79-00-5	1,1,2-Trichloroethane	VOC	NA		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
92-52-4	1-1- Biphenyl	SVOC	NA	< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
75-34-3	1,1-Dichloroethane	VOC	270		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
75-35-4	1,1-Dichloroethene	VOC	330		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
95-63-6	1,2,4-Trimethylbenzene	VOC	3,600		< 2.5		< 2.4		< 3.3		< 260		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
96-12-8	1,2-Dibromo-3-Chloropropane	VOC	NA		< 2.5		< 2.4		< 3.3		< 80		< 80		< 2.6		< 2.3		< 260		< 80		< 260	
106-93-4	1,2-Dibromoethane	VOC	NA		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
95-50-1	1,2-Dichlorobenzene	VOC	1,100		< 2.5		< 2.4		< 3.3		< 260		< 230		< 2.6		< 2.3		< 260		< 250		< 260	
107-06-2	1,2-Dichloroethane	VOC	20c		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
78-87-5	1,2-Dichloropropane	VOC	NA		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
108-67-8	1,3,5-Trimethylbenzene	VOC	8,400		< 2.5		< 2.4		< 3.3		< 260		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
541-73-1	1,3-Dichlorobenzene	VOC	2,400		< 2.5		< 2.4		< 3.3		< 260		< 230		< 2.6		< 2.3		< 260		< 250		< 260	
106-46-7	1,4-Dichlorobenzene	VOC	1,800		< 2.5		< 2.4		< 3.3		< 260		< 230		< 2.6		< 2.3		< 260		< 250		< 260	
123-91-1	1,4-Dioxane	VOC	100b		< 49		< 48		< 65		< 70		< 54		< 51		< 45		< 49		< 56		< 5200	
78-93-3	2-Butanone	VOC	120		< 15		< 14		< 20		< 21		< 16		< 15		< 14		< 15		< 17		< 1600	
108-10-1	4-Methyl-2-Pentanone	VOC	NA		< 12		< 12		< 16		< 18		< 14		< 13		< 11		< 12		< 14		< 1300	
67-64-1	Acetone	VOC	50		5.7		6.1		< 33		< 35		< 27		< 26		< 23		< 25		< 28		< 2600	
107-02-8	Acrolein	VOC	NA		< 12		< 12		< 16		< 18		< 14		< 13		< 11		< 12		< 14		< 1300	
107-13-1	Acrylonitrile	VOC	NA		< 4.9		< 4.8		< 6.5		< 7.0		< 5.4		< 5.1		< 4.5		< 4.9		< 5.6		< 520	
71-43-2	Benzene	VOC	60		< 2.5		0.56		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
92-87-5	Benzidine	SVOC	NA	< 550		< 560		< 560		< 540		< 530		< 550		< 1100		< 550		< 550		< 600		< 560
74-97-5	Bromochloromethane	VOC	NA		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
75-27-4	Bromodichloromethane	VOC	NA		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
75-25-2	Bromoform	VOC	NA		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
74-83-9	Bromomethane	VOC	NA		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
75-15-0	Carbon Disulfide	VOC	NA		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
56-23-5	Carbon Tetrachloride	VOC	760		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
108-90-7	Chlorobenzene	VOC	1,100		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
124-48-1	Chlorodibromomethane	VOC	NA		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
75-00-3	Chloroethane	VOC	NA		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
67-66-3	Chloroform	VOC	370		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		0.55		< 2.5		< 2.8		94	
74-87-3	Chloromethane	VOC	NA		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
156-59-2	cis-1,2-Dichloroethene	VOC	250		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
74-95-3	Dibromomethane	VOC	NA																					
75-71-8	Dichlorodifluoromethane	VOC	NA		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
100-41-4	Ethylbenzene	VOC	1,000		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
98-82-8	Isopropylbenzene	VOC	NA		< 2.5		< 2.4		< 3.3		< 260		< 230		< 2.6		< 2.3		< 260		< 250		< 260	
75-09-2	Methylene Chloride	VOC	50		0.56		0.52		1		1.4		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		130	
1634-04-4	Methyl Tert-Butyl Ether	VOC	930		< 4.9		< 4.8		< 6.5		< 7.0		< 5.4		< 5.1		< 4.5		< 4.9		< 5.6		< 520	
91-20-3	Naphthalene	SVOC	12,000	< 260		220		< 260		< 250		< 250		140		< 500		< 260		< 260		160		< 260
104-51-8	n-Butylbenzene	VOC	12,000		< 2.5		< 2.4		< 3.3		< 260		< 230		< 2.6		< 2.3		< 260		< 250		< 260	
103-65-1	n-Propylbenzene	VOC	3,900		< 2.5		< 2.4		< 3.3		< 260		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
99-87-6	p-Isoproplytoluene	VOC	NA		< 2.5		< 2.4		< 3.3		< 260		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
135-98-8	sec-Butylbenzene	VOC	11,000		< 2.5		< 2.4		< 3.3		< 260		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
100-42-5	Styrene	VOC	NA		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
98-06-6	tert-Butylbenzene	VOC	5,900		< 2.5		< 2.4		< 3.3		< 260		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
75-65-0	Tertiary Butyl Alcohol	VOC	NA		< 49		< 48		< 65		< 70		< 54		< 51		< 45		< 49		< 56		< 5200	
127-18-4	Tetrachloroethene	VOC	1,300		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
108-88-3	Toluene	VOC	700		< 2.5		< 2.4		< 3.3		0.9		< 2.7		< 2.6		< 2.3		< 2.5		0.52		< 260	
1330-20-7	Total Xylenes	VOC	260		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
156-60-5	trans-1,2-Dichloroethene	VOC	190		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
79-01-6	Trichloroethene	VOC	470		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
75-69-4	Trichlorofluoromethane	VOC	NA		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
108-05-4	Vinyl Acetate	VOC	NA		< 25		< 24		< 33		< 35		< 27		< 26		< 23		< 25		< 28		< 2600	
75-01-4	Vinyl Chloride	VOC	20		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	

Table 1: Sample Results in Comparison with Part 375 Unrestricted Use SCOs
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NYCRR 375 Unrestricted Use	WC 48 COMP	WC 49 1-2	WC 49 COMP	WC 50 2-3	WC 50 COMP	WC 51 2-3	WC 51 COMP	DUP WC 51 2-3	DUP WC 51 COMP	WC 52 2-3 GRAB	WC 52 2-3 COMP	WC 53 6-7 GRAB	WC 53 COMP	WC 54 3-4 GRAB	WC 54 COMP	WC 55 2-3	WC 55 COMP	WC 56 4-5 GRAB	WC 56 COMP	WC 57 2-3	WC 57 COMP
	Lab Sample ID			BH70543	BH70560	BH70561	BH70558	BH70559	BH70554	BH70555	BH70556	BH70557	BH67409	BH67410	BH67413	BH67414	BH67415	BH67416	BH68755	BH68756	BH67411	BH67412	BH68753	BH68754
	Date			2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/29/2015	1/29/2015	1/26/2015	1/26/2015	1/29/2015	1/29/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
87-68-3	Hexachlorobutadiene	SVOC	NA	< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
122-66-7	1,2- Diphenylhydrazine	SVOC	NA	< 360		< 370		< 370		< 360		< 360		< 370		< 710		< 370		< 370		< 400		< 370
120-82-1	1,2,4-Trichlorobenzene	VOC	NA		< 2.5		< 2.4		< 3.3		< 260		< 230		< 2.6		< 2.3		< 260		< 250		< 260	
95-94-3	1,2,4,5-Tetrachlorobenzene	SVOC		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
58-90-2	2,3,4,6-Tetrachlorophenol	SVOC		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
95-95-4	2,4,5-Trichlorophenol	SVOC	NA	< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
88-06-2	2,4,6-Trichlorophenol	SVOC	NA	< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
102-83-2	2,4-Dichlorophenol	SVOC	NA	< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
105-67-9	2,4-Dimethylphenol	SVOC	NA	< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
51-28-5	2,4-Dinitrophenol	SVOC	NA	< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
121-14-2	2,4-Dinitrotoluene	SVOC	NA	< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
606-20-2	2,6-Dinitrotoluene	SVOC	NA	< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
91-58-7	2-Chloronaphthalene	SVOC	NA	< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
95-57-8	2-Chlorophenol	SVOC	NA	< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
91-57-6	2-Methylnaphthalene	SVOC	NA	< 260		140		< 260		< 250		< 250		160		< 500		< 260		< 260		250		< 260
95-48-7	2-Methylphenol	SVOC	330b	< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
88-74-4	2-Nitroaniline	SVOC	NA	< 1800		< 1900		< 1900		< 1800		< 1800		< 1800		< 3600		< 1800		< 1800		< 2000		< 1900
88-75-5	2-Nitrophenol	SVOC	NA	< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
91-94-1	3,3-Dichlorobenzidine	SVOC	NA	< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
99-09-2	3-Nitroaniline	SVOC	NA	< 1800		< 1900		< 1900		< 1800		< 1800		< 1800		< 3600		< 1800		< 1800		< 2000		< 1900
534-52-1	4,6-Dinitro-2-methylphenol	SVOC	NA	< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
59-50-7	4-Chloro-3-methylphenol	SVOC	NA	< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
106-47-8	4-Chloroaniline	SVOC	NA	< 730		< 740		< 740		< 720		< 710		< 730		< 1400		< 740		< 740		< 790		< 740
100-01-6	4-Nitroaniline	SVOC	NA	< 1800		< 1900		< 1900		< 1800		< 1800		< 1800		< 3600		< 1800		< 1800		< 2000		< 1900
100-02-7	4-Nitrophenol	SVOC	NA	< 1800		< 1900		< 1900		< 1800		< 1800		< 1800		< 3600		< 1800		< 1800		< 2000		< 1900
83-32-9	Acenaphthene	SVOC	20,000	180		< 260		120		< 250		< 250		140		< 500		< 260		< 260		< 280		< 260
208-96-8	Acenaphthylene	SVOC	100,000a	< 150		< 150		< 150		< 140		< 140		170		< 280		< 150		< 150		< 160		< 150
98-86-2	Acetophenone	SVOC	NA	< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
62-53-3	Aniline	SVOC	NA	< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330
120-12-7	Anthracene	SVOC	100,000a	480		< 260		530		< 250		< 250		350		< 500		< 260		< 260		< 280		< 260
1912-24-9	Atrazine	SVOC	NA	< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
100-52-7	Benzaldehyde	SVOC	NA	< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
56-55-3	Benzo-a-Anthracene	SVOC	1,000c	1200		320		790		< 250		< 250		1500		270		< 260		< 260		240		< 260
50-32-8	Benzo-a-Pyrene	SVOC	1,000c	930		380		800		130		130		1300		270		< 150		< 150		210		< 150
205-99-2	Benzo-b-Fluoranthene	SVOC	1,000c	1200		520		1200		220		220		2200		430		130		< 260		340		< 260
207-08-9	Benzo-k-Fluoranthene	SVOC	800c	440		220		410		< 250		< 250		940		< 500		< 260		< 260		150		< 260
191-24-2	Benzo-g,h,i-Perylene	SVOC	100,000	490		300		230		< 250		< 250		390		< 500		< 260		< 260		< 280		< 260
65-85-0	Benzoic Acid	SVOC	NA	< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330
100-51-6	Benzyl Alcohol	SVOC	NA	< 360		< 370		< 370		< 360		< 360		< 370		< 710		< 370		< 370		< 400		< 370
111-44-4	Bis(2-Chloroethyl)ether	SVOC	NA	< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
108-60-1	Bis(2-Chloroisopropyl)ether	SVOC	NA	< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
117-81-7	Bis(2-Ethylhexyl)Phthalate	SVOC	NA	< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
85-68-7	Butylbenzylphthalate	SVOC	NA	< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
105-60-2	Caprolactam	SVOC	NA	< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
86-74-8	Carbazole	SVOC	NA	< 1800		< 1900		< 1900		< 1800		< 1800		< 1800		< 3600		< 1800		< 1800		< 2000		< 1900
218-01-9	Chrysene	SVOC	1,000c	1200		490		1000		190		170		1700		300		< 260		< 260		270		< 260
75-99-0	Dalapon	SVOC		< 45		< 47		< 47		< 46		< 45		< 46		< 45		< 47		< 46		< 50		< 47
132-64-9	Dibenzofuran	SVOC	7,000	< 260		< 260		< 260		< 250		< 250		130		< 500		< 260		< 260		< 280		< 260
53-70-3	Dibenzo-a,h-Anthracene	SVOC	330b	120		< 150		< 150		< 140		< 140		120		< 280		< 150		< 150		< 160		< 150
84-66-2	Diethyl Phthalate	SVOC	NA	< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
131-11-3	Dimethyl Phthalate	SVOC	NA	< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
84-74-2	Di-n-Butyl Phthalate	SVOC	NA	< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
117-84-0	Di-n-Octyl Phthalate	SVOC	NA	< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
206-44-0	Fluoranthene	SVOC	100,000	2600		1200		1600		310		290		2500		370		150		< 260		330		< 260
86-73-7	Fluorene	SVOC	30,000	180		150		230		< 250		< 250		150		< 500		< 260		< 260		< 280		< 260
118-74-1	Hexachlorobenzene	SVOC	330	< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
77-47-4	Hexachlorocyclopentadiene	SVOC	NA	< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
67-72-1	Hexachloroethane	SVOC	NA	< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
193-39-5	Indeno(1,2,3-cd)Pyrene	SVOC	500c	530		260		< 260		< 250		< 250		500		< 500		< 260		< 260		< 280		< 260
78-59-1	Isophorone	SVOC	NA	< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
98-95-3	Nitrobenzene	SVOC	NA	< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
62-75-9	N-Nitrosodimethylamine	SVOC	NA	< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
621-64-7	N-Nitroso-di-n-Propylamine	SVOC	NA	< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
86-30-6	N-Nitrosodiphenylamine	SVOC	NA	< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
87-86-5	Pentachlorophenol	SVOC	800b	< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
85-01-8	Phenanthrene	SVOC	100,000	2000		1200		2000		300		220		2500		< 280		110		< 150		390		< 150
108-95-2	Phenol	SVOC	330b	< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
129-00-0	Pyrene	SVOC	100,000	2100		1000		1100		240		220		2000		320		140		< 260		340		< 260

Table 1: Sample Results in Comparison with Part 375 Unrestricted Use SCOs
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NYCRR 375 Unrestricted Use	WC 48 COMP	WC 49 1-2	WC 49 COMP	WC 50 2-3	WC 50 COMP	WC 51 2-3	WC 51 COMP	DUP WC 51 2-3	DUP WC 51 COMP	WC 52 2-3 GRAB	WC 52 2-3 COMP	WC 53 6-7 GRAB	WC 53 COMP	WC 54 3-4 GRAB	WC 54 COMP	WC 55 2-3	WC 55 COMP	WC 56 4-5 GRAB	WC 56 COMP	WC 57 2-3	WC 57 COMP
	Lab Sample ID			BH70543	BH70560	BH70561	BH70558	BH70559	BH70554	BH70555	BH70556	BH70557	BH67409	BH67410	BH67413	BH67414	BH67415	BH67416	BH68755	BH68756	BH67411	BH67412	BH68753	BH68754
	Date			2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/29/2015	1/29/2015	1/26/2015	1/26/2015	1/29/2015	1/29/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
93-76-5	2,4,5-T	HERBICIDE	NA	< 45		< 47		< 47		< 46		< 45		< 46		< 45		< 47		< 46		< 50		< 47
93-72-1	2,4,5-TP Acid	PESTICIDE	3,800	< 45		< 47		< 47		< 46		< 45		< 46		< 45		< 47		< 46		< 50		< 47
94-75-7	2,4-D	HERBICIDE	NA	< 45		< 47		< 47		< 46		< 45		< 46		< 45		< 47		< 46		< 50		< 47
72-54-8	4,4-DDD	PESTICIDE	3.3b	< 2.1		< 2.2		7.6		< 2.2		< 2.2		< 2.2		< 2.1		< 2.3		< 2.2		< 2.4		< 2.3
72-55-9	4,4-DDE	PESTICIDE	3.3b	< 2.1		< 2.2		4		< 2.2		< 2.2		< 2.2		< 2.1		< 2.3		4.5		< 2.4		< 2.3
50-29-3	4,4-DDT	PESTICIDE	3.3b	< 2.1		< 2.2		5.7		< 2.2		< 2.2		< 2.2		< 2.1		< 2.3		11		< 2.4		< 2.3
309-00-2	Aldrin	PESTICIDE	5c	< 3.6		< 3.7		< 3.8		< 3.6		< 3.6		< 3.7		< 3.6		< 3.8		< 3.6		< 4.0		< 3.8
319-84-6	alpha-BHC	PESTICIDE	20	< 7.1		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
5103-71-9	Alpha Chlordane	PESTICIDE	94	< 3.6		< 3.7		< 3.8		< 3.6		< 3.6		< 3.7		< 3.6		< 3.8		< 3.6		< 4.0		< 3.8
12674-11-2	Aroclor 1016	PCB	NA	< 71		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
1104-28-2	Aroclor 1221	PCB	NA	< 71		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
11141-16-5	Aroclor 1232	PCB	NA	< 71		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
53469-21-9	Aroclor 1242	PCB	NA	< 71		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
12672-29-6	Aroclor 1248	PCB	NA	< 71		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
11097-69-1	Aroclor 1254	PCB	NA	< 71		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
11096-82-5	Aroclor 1260	PCB	NA	< 71		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
11096-82-5	Aroclor 1262	PCB	NA	< 71		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
37324-23-5	Aroclor 1268	PCB	NA	< 71		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
319-85-7	beta-BHC	PESTICIDE	36	< 7.1		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
57-74-9	Chlordane	PESTICIDE	94	< 36		< 37		< 38		< 36		< 36		< 37		< 36		< 38		< 36		< 40		< 38
319-86-8	delta-BHC	PESTICIDE	40	< 7.1		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
1918-00-9	Dicamba	HERBICIDE	NA	< 91		< 94		< 94		< 91		< 90		< 92		< 89		< 94		< 92		< 99		< 93
60-57-1	Dieldrin	PESTICIDE	5	< 3.6		< 3.7		< 3.8		< 3.6		< 3.6		< 3.7		< 3.6		< 3.8		< 3.6		< 4.0		< 3.8
115-29-7	Endosulfan	PESTICIDE	2400	< 7.1		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
959-98-8	Endosulfan I	PESTICIDE	2,400	< 7.1		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
33213-65-9	Endosulfan II	PESTICIDE	2,400	< 7.1		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
1031-07-8	Endosulfan Sulfate	PESTICIDE	2,400	< 7.1		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
72-20-8	Endrin	PESTICIDE	14	< 7.1		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
58-89-9	gamma-BHC	PESTICIDE	100	< 1.4		< 1.5		< 1.5		< 1.5		< 1.5		< 1.5		< 1.4		< 1.5		< 1.5		< 1.6		< 1.5
5103-74-2	Gamma Chlordane	PESTICIDE	NA	< 3.6		< 3.7		< 3.8		< 3.6		< 3.6		< 3.7		< 3.6		< 3.8		< 3.6		< 4.0		< 3.8
76-44-8	Heptachlor	PESTICIDE	42	< 7.1		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
1024-57-3	Heptachlor Epoxide	PESTICIDE	NA	< 7.1		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
72-43-5	Methoxychlor	PESTICIDE	NA	< 36		< 37		< 38		< 36		< 36		< 37		< 36		< 38		< 36		< 40		< 38
56-38-2	Parathion	PESTICIDE	NA	< 5		< 370		< 5		< 5		< 5		< 330		< 330		< 330		< 370		< 330		< 370
1336-36-3	Polychlorinated Biphenyls	PESTICIDE	100	0		0		0		0		0		0		0		0		0		0		0
8001-35-2	Toxaphene	PESTICIDE	NA	< 140		< 150		< 150		< 150		< 150		< 150		< 140		< 150		< 150		< 160		< 150
	Unit		*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
7429-90-5	Aluminum, Al	METAL	NA	7110		8340		3250		1380		1330		3190		3180		2110		1360		1830		1990
7440-36-0	Antimony, Sb	METAL	NA	< 3.4		< 3.5		< 3.5		< 3.5		< 3.4		< 3.8		< 3.8		< 3.7		< 3.7		< 4.2		< 3.9
7440-38-2	Arsenic, As	METAL	13c	4.8		4.2		3.5		1.3		2.4		3.5		3.2		2.1		1		4.6		1
7440-39-3	Barium, Ba	METAL	350c	154		58.4		53.4		606		780		284		71.1		40.8		11.3		147		19.9
7440-41-7	Beryllium, Be	METAL	7.2	0.43		0.5		< 0.28		< 0.28		< 0.27		< 0.31		< 0.31		< 0.30		< 0.29		< 0.34		< 0.31
7440-43-9	Cadmium, Cd	METAL	2.5c	< 0.34		< 0.35		< 0.35		< 0.35		0.52		< 0.38		< 0.38		0.37		< 0.37		1.16		< 0.39
7440-47-3	Chromium, Cr	METAL	NA	15.9		20.9		15.6		7.87		7.22		18.6		14		6.77		4.66		9.58		5.44
18540-29-9	Chromium, hexavalent	METAL	1b	< 0.46		< 0.44		< 0.45		0.56		0.81		2.21		< 0.43		< 0.45		< 0.44		< 0.46		< 0.45
16065-83-1	Chromium, trivalent	METAL	30c	15.9		20.9		15.6		7.31		6.41		16.4		14		6.77		4.66		9.58		5.44
7440-48-4	Cobalt, Co	METAL	NA	9.25		7.53		4.02		1.36		1.61		3.46		3.31		2.17		1.27		2.71		2.91
7440-50-8	Copper, Cu	METAL	50	24.4		20.6		21.2		7.54		11.1		22.2		32.6		17.9		4.06		27.1		7.35
57-12-5	Cyanide	METAL	27	< 0.55		< 0.57		< 0.52		< 0.46		< 0.50		1.42		< 0.49		< 0.57		< 0.51		4.6		< 0.52
7439-89-6	Iron, Fe	METAL	NA	16200		14200		9190		3060		4790		8670		6280		10400		2720		20200		3660
7439-92-1	Lead, Pb	METAL	63c	53.4		72.4		162		306		566		370		161		91.6		35.7		373		16.2
7439-96-5	Manganese, Mn	METAL	1,600c	223		212		151		44.5		77.6		124		102		94.8		34.8		169		66.1
7439-97-6	Mercury, Hg	METAL	.18c	0.07		0.08		0.11		0.04		0.09		0.18		0.22		0.85		< 0.03		0.25		0.05
7440-02-0	Nickel, Ni	METAL	30	58.7		35		21.1		3.71		4.19		10.1		9.04		8.46		4.28		8.5		6.22
7782-49-2	Selenium, Se	METAL	3.9c	< 1.4		< 1.4		< 1.4		< 1.4		< 1.4		< 1.5		< 1.5		< 1.5		< 1.5		< 1.7		< 1.6
7440-22-4	Silver, Ag	METAL	2	< 0.34		< 0.35		< 0.35		< 0.35		< 0.34		< 0.38		< 0.38		< 0.37		< 0.37		< 0.42		< 0.39
7440-28-0	Thallium, Ti	METAL	NA	< 3.1		< 3.1		< 3.2		< 3.1		< 3.1		< 3.5		< 3.4		< 3.4		< 3.3		< 3.8		< 3.5
7440-62-2	Vanadium, V	METAL	NA	21.6		26.8		26.3		4.93		4.7		11.8		14.2		6.5		5.22		6.04		7.68
7440-66-6	Zinc, Zn	METAL	109c	69.2		61.5		114		406		601		277		160		103		28.3		434		30.8
	pH	pH	NA	8.62		7.69		8.55		9.64		8.65		8.52		9.51		8.97		10.54		8.45		11.44
	TPH	TPH	NA	< 54		< 56		850		< 53		< 54		< 55		< 53		< 56		< 54		< 59		< 56

Notes: Shaded values indicate an exceedance of NYCRR 375 Unrestricted.

Notes
ug/kg = micrograms per kilogram (ppb)
mg/kg = milligrams per kilogram (ppm)
ug/L = micrograms per liter
mg/L = milligrams per liter

Table 2: Sample Results in Comparison with Part 375 Restricted Residential SCOs
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NYCRR 375 Residential	WC 1 1-2	WC 1 COMP	WC 2 2-3	WC 2 COMP	WC 3 3-4	WC 3 COMP	WC 4 1-2	WC 4 COMP	WC 5 1-2	WC 5 COMP	WC 6 1-2	WC 6 COMP	DUP WC6 1-2	DUP WC6 COMP	WC 7 1-2	WC 7 COMP	WC 8 1-2	WC 8 COMP	WC 9 2-3	WC 9 COMP	WC 10 1-2	WC 10 COMP
	Lab Sample ID			BH68767	BH68768	BH69277	BH69278	BH69279	BH69280	BH69281	BH69282	BH69283	BH69284	BH70944	BH70945	BH70936	BH70937	BH70946	BH70947	BH68769	BH68770	BH69285	BH69286	BH69287	BH69288
	Date			1/29/2015	1/29/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	2/3/2015	2/3/2015	2/5/2015	2/5/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
630-20-6	1,1,1,2-Tetrachloroethane	VOC	NA	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
71-55-6	1,1,1-Trichloroethane	VOC	100,000a	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
79-34-5	1,1,2,2-Tetrachloroethane	VOC	35000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
79-00-5	1,1,2-Trichloroethane	VOC	NA	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
92-52-4	1-1- Biphenyl	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
75-34-3	1,1-Dichloroethane	VOC	19,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
75-35-4	1,1-Dichloroethene	VOC	100,000a	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
95-63-6	1,2,4-Trimethylbenzene	VOC	47,000	< 5.0		< 4.6		< 4.6		< 5.4		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
96-12-8	1,2-Dibromo-3-Chloropropane	VOC	NA	< 5.0		< 4.6		< 4.6		< 280		< 280		< 3.6		< 3.3		< 2.5		< 2.5		< 250		< 4.1	
106-93-4	1,2-Dibromoethane	VOC	NA	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
95-50-1	1,2-Dichlorobenzene	VOC	100,000a	< 5.0		< 4.6		< 4.6		< 280		< 280		< 3.6		< 3.3		< 2.5		< 2.5		< 250		< 4.1	
107-06-2	1,2-Dichloroethane	VOC	2,300	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
78-87-5	1,2-Dichloropropane	VOC	NA	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
108-67-8	1,3,5-Trimethylbenzene	VOC	47,000	< 5.0		< 4.6		< 4.6		< 5.4		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
541-73-1	1,3-Dichlorobenzene	VOC	17,000	< 5.0		< 4.6		< 4.6		< 280		< 280		< 3.6		< 3.3		< 2.5		< 2.5		< 250		< 4.1	
106-46-7	1,4-Dichlorobenzene	VOC	9,800	< 5.0		< 4.6		< 4.6		< 280		< 280		< 3.6		< 3.3		< 2.5		< 2.5		< 250		< 4.1	
123-91-1	1,4-Dioxane	VOC	9,800	< 100		< 92		< 92		< 100		< 130		< 72		< 65		< 49		< 50		< 74		< 81	
78-93-3	2-Butanone	VOC	100,000a	5.1		6.3		< 28		< 30		< 39		4.2		< 20		< 15		< 15		< 22		< 24	
108-10-1	4-Methyl-2-Pentanone	VOC	NA	< 25		< 23		< 23		< 25		< 32		< 18		< 16		< 12		< 13		< 19		< 20	
67-64-1	Acetone	VOC	100,000a	18		22		< 46		< 50		< 65		16		10		2.9		< 25		< 37		< 41	
107-02-8	Acrolein	VOC	NA	< 25		< 23		< 23		< 25		< 32		< 18		< 16		< 12		< 13		< 19		< 20	
107-13-1	Acrylonitrile	VOC	NA	< 10		< 9.2		< 9.2		< 10		< 13		< 7.2		< 6.5		< 4.9		< 5.0		< 7.4		< 8.1	
71-43-2	Benzene	VOC	2,900	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
92-87-5	Benzidine	SVOC	NA		< 570		< 570		< 520		< 530		< 520		< 530		< 530		< 530		< 550		< 570		< 550
74-97-5	Bromochloromethane	VOC	NA	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
75-27-4	Bromodichloromethane	VOC	NA	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
75-25-2	Bromoform	VOC	NA	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
74-83-9	Bromomethane	VOC	NA	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
75-15-0	Carbon Disulfide	VOC	100000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		1.8		0.71		< 2.5		< 2.5		< 3.7		< 4.1	
56-23-5	Carbon Tetrachloride	VOC	1,400	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
108-90-7	Chlorobenzene	VOC	100,000a	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		0.82		< 2.5		< 3.7		< 4.1	
124-48-1	Chlorodibromomethane	VOC	NA	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
75-00-3	Chloroethane	VOC	100000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
67-66-3	Chloroform	VOC	10,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
74-87-3	Chloromethane	VOC	NA	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
156-59-2	cis-1,2-Dichloroethene	VOC	59,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
74-95-3	Dibromomethane	VOC	NA																						
75-71-8	Dichlorodifluoromethane	VOC	NA	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
100-41-4	Ethylbenzene	VOC	30,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
98-82-8	Isopropylbenzene	VOC	100000	< 5.0		< 4.6		< 4.6		< 280		< 280		< 3.6		< 3.3		< 2.5		< 2.5		< 250		< 4.1	
75-09-2	Methylene Chloride	VOC	51,000	0.91		1.5		1.8		1.7		1.1		0.99		0.9		1.1		0.65		< 3.7		0.98	
1634-04-4	Methyl Tert-Butyl Ether	VOC	62,000	< 10		< 9.2		< 9.2		< 10		< 13		< 7.2		< 6.5		< 4.9		< 5.0		< 7.4		< 8.1	
91-20-3	Naphthalene	SVOC	100,000a		< 260		< 270		< 240		< 250		110		< 250		< 250		< 250		< 260		< 270		< 260
104-51-8	n-Butylbenzene	VOC	100,000a	< 5.0		< 4.6		< 4.6		< 5.4		< 280		< 3.6		< 3.3		< 2.5		< 2.5		< 250		< 4.1	
103-65-1	n-Propylbenzene	VOC	100,000a	< 5.0		< 4.6		< 4.6		< 5.4		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
99-87-6	p-Isoproplytoluene	VOC	NA	< 5.0		< 4.6		< 4.6		< 5.4		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
135-98-8	sec-Butylbenzene	VOC	100,000a	< 5.0		< 4.6		< 4.6		< 5.4		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
100-42-5	Styrene	VOC	NA	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
98-06-6	tert-Butylbenzene	VOC	100,000a	< 5.0		< 4.6		< 4.6		< 5.4		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
75-65-0	Tertiary Butyl Alcohol	VOC	NA	< 100		< 92		< 92		< 100		< 130		< 72		< 65		< 49		< 50		< 74		< 81	
127-18-4	Tetrachloroethene	VOC	5,500	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
108-88-3	Toluene	VOC	100,000a	< 5.0		< 4.6		< 4.6		0.9		68		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
1330-20-7	Total Xylenes	VOC	100,000a	< 5.0		< 4.6		< 4.6		< 5.0		< 280		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
156-60-5	trans-1,2-Dichloroethene	VOC	100,000a	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
79-01-6	Trichloroethene	VOC	10,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
75-69-4	Trichlorofluoromethane	VOC	NA	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
108-05-4	Vinyl Acetate	VOC	NA	< 50		< 46		< 46		< 50		< 65		< 36		< 33		< 25		< 25		< 37		< 41	
75-01-4	Vinyl Chloride	VOC	210	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	

Table 2: Sample Results in Comparison with Part 375 Restricted Residential SCOs
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NYCRR 375 Residential	WC 1 1-2	WC 1 COMP	WC 2 2-3	WC 2 COMP	WC 3 3-4	WC 3 COMP	WC 4 1-2	WC 4 COMP	WC 5 1-2	WC 5 COMP	WC 6 1-2	WC 6 COMP	DUP WC6 1-2	DUP WC6 COMP	WC 7 1-2	WC 7 COMP	WC 8 1-2	WC 8 COMP	WC 9 2-3	WC 9 COMP	WC 10 1-2	WC 10 COMP
	Lab Sample ID			BH68767	BH68768	BH69277	BH69278	BH69279	BH69280	BH69281	BH69282	BH69283	BH69284	BH70944	BH70945	BH70936	BH70937	BH70946	BH70947	BH68769	BH68770	BH69285	BH69286	BH69287	BH69288
	Date			1/29/2015	1/29/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	2/3/2015	2/3/2015	2/5/2015	2/5/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
87-68-3	Hexachlorobutadiene	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
122-66-7	1,2- Diphenylhydrazine	SVOC	NA		< 380		< 380		< 340		< 360		< 350		< 350		< 350		< 360		< 370		< 380		< 370
120-82-1	1,2,4-Trichlorobenzene	VOC	NA	< 5.0		< 4.6		< 4.6		< 280		< 280		< 3.6		< 3.3		< 2.5		< 2.5		< 250		< 4.1	
95-94-3	1,2,4,5-Tetrachlorobenzene	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
58-90-2	2,3,4,6-Tetrachlorophenol	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
95-95-4	2,4,5-Trichlorophenol	SVOC	100000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
88-06-2	2,4,6-Trichlorophenol	SVOC	NA		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150
102-83-2	2,4-Dichlorophenol	SVOC	100000		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150
105-67-9	2,4-Dimethylphenol	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
51-28-5	2,4-Dinitrophenol	SVOC	100000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
121-14-2	2,4-Dinitrotoluene	SVOC	NA		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150
606-20-2	2,6-Dinitrotoluene	SVOC	1030		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150
91-58-7	2-Chloronaphthalene	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
95-57-8	2-Chlorophenol	SVOC	100000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
91-57-6	2-Methylnaphthalene	SVOC	410		< 260		250		< 240		< 250		110		130		180		< 250		< 260		< 270		< 260
95-48-7	2-Methylphenol	SVOC	100,000a		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
88-74-4	2-Nitroaniline	SVOC	NA		< 1900		< 1900		< 1700		< 1800		< 1700		< 1800		< 1800		< 1800		< 1800		< 1900		< 1800
88-75-5	2-Nitrophenol	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
91-94-1	3,3-Dichlorobenzidine	SVOC	NA		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150
99-09-2	3-Nitroaniline	SVOC	NA		< 1900		< 1900		< 1700		< 1800		< 1700		< 1800		< 1800		< 1800		< 1800		< 1900		< 1800
534-52-1	4,6-Dinitro-2-methylphenol	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
59-50-7	4-Chloro-3-methylphenol	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
106-47-8	4-Chloroaniline	SVOC	100000		< 750		< 760		< 690		< 710		< 690		< 710		< 700		< 710		< 730		< 760		< 730
100-01-6	4-Nitroaniline	SVOC	NA		< 1900		< 1900		< 1700		< 1800		< 1700		< 1800		< 1800		< 1800		< 1800		< 1900		< 1800
100-02-7	4-Nitrophenol	SVOC	NA		< 1900		< 1900		< 1700		< 1800		< 1700		< 1800		< 1800		< 1800		< 1800		< 1900		< 1800
83-32-9	Acenaphthene	SVOC	100,000a		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		170		< 270		< 260
208-96-8	Acenaphthylene	SVOC	100,000a		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		140		< 150		< 150
98-86-2	Acetophenone	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
62-53-3	Aniline	SVOC	48000		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330
120-12-7	Anthracene	SVOC	100,000a		< 260		< 270		< 240		< 250		320		< 250		< 250		< 250		430		< 270		< 260
1912-24-9	Atrazine	SVOC	NA		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150
100-52-7	Benzaldehyde	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
56-55-3	Benzo-a-Anthracene	SVOC	1,000f		< 260		< 270		< 240		190		550		210		240		< 250		1200		< 270		220
50-32-8	Benzo-a-Pyrene	SVOC	1,000f		< 150		< 150		< 140		200		570		220		250		< 140		1100		< 150		250
205-99-2	Benzo-b-Fluoranthene	SVOC	1,000f		< 260		180		< 240		280		790		330		360		170		1500		150		330
207-08-9	Benzo-k-Fluoranthene	SVOC	1,000		< 260		< 270		< 240		< 250		250		120		130		< 250		560		< 270		< 260
191-24-2	Benzo-g,h,i-Perylene	SVOC	100,000a		< 260		< 270		< 240		130		320		< 250		< 250		< 250		690		< 270		140
65-85-0	Benzoic Acid	SVOC	100000		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330
100-51-6	Benzyl Alcohol	SVOC	NA		< 380		< 380		< 340		< 360		< 350		< 350		< 350		< 360		< 370		< 380		< 370
111-44-4	Bis(2-Chloroethyl)ether	SVOC	NA		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150
108-60-1	Bis(2-Chloroisopropyl)ether	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
117-81-7	Bis(2-Ethylhexyl)Phthalate	SVOC	50000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
85-68-7	Butylbenzylphthalate	SVOC	100000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
105-60-2	Caprolactam	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
86-74-8	Carbazole	SVOC	NA		< 1900		< 1900		< 1700		< 1800		< 1700		< 1800		< 1800		< 1800		< 1800		< 1900		< 1800
218-01-9	Chrysene	SVOC	1,000f		< 260		< 270		< 240		240		550		230		260		< 250		1200		< 270		240
75-99-0	Dalapon	SVOC	NA		< 47		< 48		< 44		< 44		< 44		< 45		< 45		< 44		< 46		< 48		< 47
132-64-9	Dibenzofuran	SVOC	14,000		< 260		< 270		< 240		< 250		110		< 250		< 250		< 250		140		< 270		< 260
53-70-3	Dibenzo-a,h-Anthracene	SVOC	330e		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		170		< 150		< 150
84-66-2	Diethyl Phthalate	SVOC	100000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
131-11-3	Dimethyl Phthalate	SVOC	100000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
84-74-2	Di-n-Butyl Phthalate	SVOC	100000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
117-84-0	Di-n-Octyl Phthalate	SVOC	100000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
206-44-0	Fluoranthene	SVOC	100,000a		< 260		220		< 240		520		1500		330		360		200		1700		260		550
86-73-7	Fluorene	SVOC	100,000a		< 260		< 270		< 240		< 250		140		< 250		< 250		< 250		190		< 270		< 260
118-74-1	Hexachlorobenzene	SVOC	410		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150
77-47-4	Hexachlorocyclopentadiene	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
67-72-1	Hexachloroethane	SVOC	NA		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150
193-39-5	Indeno(1,2,3-cd)Pyrene	SVOC	500f		< 260		< 270		< 240		120		310		< 250		< 250		< 250		750		< 270		140
78-59-1	Isophorone	SVOC	100000		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150
98-95-3	Nitrobenzene	SVOC	3700		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150
62-75-9	N-Nitrosodimethylamine	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
621-64-7	N-Nitroso-di-n-Propylamine	SVOC	NA		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150
86-30-6	N-Nitrosodiphenylamine	SVOC	NA		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150
87-86-5	Pentachlorophenol	SVOC	2,400		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
85-01-8	Phenanthrene	SVOC	100,000a		< 150		130		< 140		470		1200		260		310		130		2000		200		320
108-95-2	Phenol	SVOC	100,000a		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
129-00-0	Pyrene	SVOC	100,000a		< 260		220		< 240		490		1300		330		350		160		1400		210		490

Table 2: Sample Results in Comparison with Part 375 Restricted Residential SCOs
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NYCRR 375 Residential	WC 1 1-2	WC 1 COMP	WC 2 2-3	WC 2 COMP	WC 3 3-4	WC 3 COMP	WC 4 1-2	WC 4 COMP	WC 5 1-2	WC 5 COMP	WC 6 1-2	WC 6 COMP	DUP WC6 1-2	DUP WC6 COMP	WC 7 1-2	WC 7 COMP	WC 8 1-2	WC 8 COMP	WC 9 2-3	WC 9 COMP	WC 10 1-2	WC 10 COMP
	Lab Sample ID			BH68767	BH68768	BH69277	BH69278	BH69279	BH69280	BH69281	BH69282	BH69283	BH69284	BH70944	BH70945	BH70936	BH70937	BH70946	BH70947	BH68769	BH68770	BH69285	BH69286	BH69287	BH69288
	Date			1/29/2015	1/29/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	2/3/2015	2/3/2015	2/5/2015	2/5/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
93-76-5	2,4,5-T	HERBICIDE	100000		< 47		< 48		< 44		< 44		< 44		< 45		< 45		< 44		< 46		< 48		< 47
93-72-1	2,4,5-TP Acid	PESTICIDE	58,000		< 47		< 48		< 44		< 44		< 44		< 45		< 45		< 44		< 46		< 48		< 47
94-75-7	2,4-D	HERBICIDE	100000		< 47		< 48		< 44		< 44		< 44		< 45		< 45		< 44		< 46		< 48		< 47
72-54-8	4,4-DDD	PESTICIDE	2,600		< 2.3		< 2.2		< 2.1		2.6		< 2.1		< 2.1		< 2.1		< 2.1		< 2.2		< 2.3		< 2.2
72-55-9	4,4-DDE	PESTICIDE	1,800		< 2.3		< 2.2		< 2.1		2.3		< 2.1		< 2.1		< 2.1		< 2.1		< 2.2		< 2.3		< 2.2
50-29-3	4,4-DDT	PESTICIDE	1,700		< 2.3		< 2.2		< 2.1		< 2.1		< 2.1		< 2.1		< 2.1		< 2.1		< 2.2		< 2.3		< 2.2
309-00-2	Aldrin	PESTICIDE	19		< 3.8		< 3.7		< 3.5		< 3.5		< 3.4		< 3.5		< 3.6		< 3.5		< 3.6		< 3.8		< 3.7
319-84-6	alpha-BHC	PESTICIDE	97		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4
5103-71-9	Alpha Chlordane	PESTICIDE	910		< 3.8		< 3.7		< 3.5		< 3.5		< 3.4		11		7.2		< 3.5		< 3.6		< 3.8		< 3.7
12674-11-2	Aroclor 1016	PCB	NA		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74
1104-28-2	Aroclor 1221	PCB	NA		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74
11141-16-5	Aroclor 1232	PCB	NA		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74
53469-21-9	Aroclor 1242	PCB	NA		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74
12672-29-6	Aroclor 1248	PCB	NA		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74
11097-69-1	Aroclor 1254	PCB	NA		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74
11096-82-5	Aroclor 1260	PCB	NA		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74
11096-82-5	Aroclor 1262	PCB	NA		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74
37324-23-5	Aroclor 1268	PCB	NA		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74
319-85-7	beta-BHC	PESTICIDE	72		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4
57-74-9	Chlordane	PESTICIDE	910		< 38		< 37		< 35		< 35		< 34		65		41		< 35		< 36		< 38		< 37
319-86-8	delta-BHC	PESTICIDE	100,000a		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4
1918-00-9	Dicamba	HERBICIDE	NA		< 94		< 95		< 88		< 89		< 88		< 90		< 90		< 88		< 91		< 96		< 93
60-57-1	Dieldrin	PESTICIDE	39		< 3.8		< 3.7		< 3.5		< 3.5		< 3.4		< 3.5		< 3.6		< 3.5		< 3.6		< 3.8		< 3.7
115-29-7	Endosulfan	PESTICIDE	NA		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4
959-98-8	Endosulfan I	PESTICIDE	4,800i		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4
33213-65-9	Endosulfan II	PESTICIDE	4,800i		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4
1031-07-8	Endosulfan Sulfate	PESTICIDE	4,800i		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4
72-20-8	Endrin	PESTICIDE	2,200		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4
58-89-9	gamma-BHC	PESTICIDE	280		< 1.5		< 1.5		< 1.4		< 1.4		< 1.4		< 1.4		< 1.4		< 1.4		< 1.5		< 1.5		< 1.5
5103-74-2	Gamma Chlordane	PESTICIDE	540		< 3.8		< 3.7		< 3.5		< 3.5		< 3.4		8.2		8.6		< 3.5		< 3.6		< 3.8		< 3.7
76-44-8	Heptachlor	PESTICIDE	420		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4
1024-57-3	Heptachlor Epoxide	PESTICIDE	77		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4
72-43-5	Methoxychlor	PESTICIDE	100000		< 38		< 37		< 35		< 35		< 34		< 35		< 36		< 35		< 36		< 38		< 37
56-38-2	Parathion	PESTICIDE	100000		< 380		< 380		< 340		< 360		< 350		< 350		< 350		< 360		< 370		< 380		< 370
1336-36-3	Polychlorinated Biphenyls	PESTICIDE	1,000		0		0		0		0		0		0		0		0		0		0		0
8001-35-2	Toxaphene	PESTICIDE	NA		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150
	Unit		*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
7429-90-5	Aluminum, Al	METAL	NA		8200		8920		1260		4320		3050		6220		7100		5460		3970		9200		8460
7440-36-0	Antimony, Sb	METAL	NA		< 3.9		6.9		< 3.5		< 3.6		< 3.3		< 3.7		< 3.6		< 3.4		< 3.5		< 3.4		< 3.5
7440-38-2	Arsenic, As	METAL	16f		3.3		6.9		0.9		6.4		4.6		3.4		4.5		1.9		3.4		7		5.5
7440-39-3	Barium, Ba	METAL	350f		34.4		233		5.63		105		54		67.6		59.5		37.1		112		173		42.9
7440-41-7	Beryllium, Be	METAL	14		0.42		0.56		< 0.28		0.43		0.36		0.81		0.55		0.39		< 0.28		0.5		0.46
7440-43-9	Cadmium, Cd	METAL	2.5f		< 0.39		1.1		< 0.35		0.42		< 0.33		< 0.37		< 0.36		< 0.34		< 0.35		< 0.34		< 0.35
7440-47-3	Chromium, Cr	METAL	NA		10.8		14.2		4.24		12.3		9.22		20.1		17.3		35.2		12.4		18.6		14.4
18540-29-9	Chromium, hexavalent	METAL	22		< 0.44		< 0.46		< 0.44		< 0.41		< 0.43		< 0.42		< 0.43		< 0.43		< 0.44		0.56		< 0.45
16065-83-1	Chromium, trivalent	METAL	36		10.8		14.2		4.24		12.3		9.22		20.1		17.3		35.2		12.4		18		14.4
7440-48-4	Cobalt, Co	METAL	30000		4.11		5.87		1.09		3.51		5.87		10.4		6.97		10.3		4.67		7.06		5.02
7440-50-8	Copper, Cu	METAL	270		9.74		28.1		1.79		21.5		23.7		96.3		32.4		54.9		72.1		29.2		15.5
57-12-5	Cyanide	METAL	27		< 0.57		< 0.57		< 0.53		< 0.54		< 0.53		< 0.54		< 0.54		< 0.54		0.65		< 0.53		< 0.51
7439-89-6	Iron, Fe	METAL	2000000		10700		15400		2610		11800		6870		13300		12800		19300		9300		15100		13400
7439-92-1	Lead, Pb	METAL	400		106		2370		4.87		259		110		189		129		33		189		232		83.1
7439-96-5	Manganese, Mn	METAL	2,000f		154		153		23.3		366		158		193		185		206		226		193		89.2
7439-97-6	Mercury, Hg	METAL	0.81j		0.15		0.25		< 0.03		0.08		0.07		0.13		0.14		0.04		0.15		0.08		0.13
7440-02-0	Nickel, Ni	METAL	140		11.4		13.8		4.14		11.7		17.7		72.4		26		21.5		16.2		24.5		12.6
7782-49-2	Selenium, Se	METAL	36		< 1.6		< 1.4		< 1.4		< 1.5		< 1.3		< 1.5		< 1.4		< 1.4		< 1.4		< 1.4		< 1.4
7440-22-4	Silver, Ag	METAL	36		< 0.39		< 0.35		< 0.35		< 0.36		< 0.33		< 0.37		< 0.36		< 0.34		< 0.35		< 0.34		< 0.35
7440-28-0	Thallium, Ti	METAL	NA		< 3.5		< 3.1		< 3.1		< 3.3		< 3.0		< 3.4		< 3.2		< 3.1		< 3.2		< 3.1		< 3.1
7440-62-2	Vanadium, V	METAL	100000		16.5		19.6		4.16		17.4		12.3		21.6		21		40.5		14		23.2		21.9
7440-66-6	Zinc, Zn	METAL	2,200		37.8		558		14.9		172		78.9		307		97.3		34		226		188		59.2
	pH	pH	NA		7.71		8.08		9.52		9.21		9.18		9.88		9.81		11.11		8.59		9.84		8.76
	TPH	TPH	NA		< 56		< 57		< 53		< 54		< 53		<54		<54		<52		< 54		< 57		< 56

Notes: Shaded values indicate an exceedance of NYCRR 375 Residential

Notes
ug/kg = micrograms per kilogram (ppb)
mg/kg = milligrams per kilogram (ppm)
ug/L = micrograms per liter
mg/L = milligrams per liter

Table 2: Sample Results in Comparison with Part 375 Restricted Residential SCOs
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NYCRR 375 Residential	WC 11 2-3	WC 11 COMP	WC 12 1-2	WC 12 COMP	WC 13 1-2	WC 13 COMP	DUP WC 13 1-2	DUP WC 13 COMP	WC 14 2-3	WC 14 COMP	WC 15 2-3	WC 15 COMP	WC 16 1-2	WC 16 COMP	WC 17 1-2	WC 17 COMP	WC 18 1-2	WC 18 COMP	WC 19 1-2	WC 19 COMP	WC 20 1-2	WC 20 COMP	DUP WC 20 1-2	DUP WC 20 COMP	WC 21 4-5
	Lab Sample ID			BH69295	BH69296	BH69291	BH69292	BH70562	BH70563	BH70564	BH70565	BH69820	BH69821	BH69818	BH69819	BH69816	BH69817	BH69814	BH69815	BH69812	BH69813	BH69800	BH69801	BH69802	BH69803	BH69804	BH69805	BH69293
	Date			1/30/2015	1/30/2015	1/30/2015	1/30/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/30/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
630-20-6	1,1,1,2-Tetrachloroethane	VOC	NA	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5
71-55-6	1,1,1-Trichloroethane	VOC	100,000a	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5
79-34-5	1,1,2,2-Tetrachloroethane	VOC	35000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5
79-00-5	1,1,2-Trichloroethane	VOC	NA	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5
92-52-4	1-1- Biphenyl	SVOC	NA		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250	
75-34-3	1,1-Dichloroethane	VOC	19,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5
75-35-4	1,1-Dichloroethene	VOC	100,000a	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5
95-63-6	1,2,4-Trimethylbenzene	VOC	47,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5
96-12-8	1,2-Dibromo-3-Chloropropane	VOC	NA	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 80		< 5.0		< 80		< 6.0		< 5.4		< 5.5
106-93-4	1,2-Dibromoethane	VOC	NA	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5
95-50-1	1,2-Dichlorobenzene	VOC	100,000a	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5
107-06-2	1,2-Dichloroethane	VOC	2,300	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5
78-87-5	1,2-Dichloropropane	VOC	NA	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5
108-67-8	1,3,5-Trimethylbenzene	VOC	47,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5
541-73-1	1,3-Dichlorobenzene	VOC	17,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5
106-46-7	1,4-Dichlorobenzene	VOC	9,800	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5
123-91-1	1,4-Dioxane	VOC	9,800	< 94		< 77		< 48		< 92		< 100		< 100		< 97		< 100		< 100		< 98		< 100		< 100		< 100
78-93-3	2-Butanone	VOC	100,000a	< 28		< 23		< 14		< 28		< 32		12		< 29		< 31		< 30		< 29		< 36		< 32		< 33
108-10-1	4-Methyl-2-Pentanone	VOC	NA	< 24		< 19		< 12		< 23		< 27		< 27		< 24		< 26		< 25		< 25		< 30		< 27		< 27
67-64-1	Acetone	VOC	100,000a	< 47		< 39		< 24		< 46		20		47		< 49		< 50		< 50		< 49		< 50		< 50		< 55
107-02-8	Acrolein	VOC	NA	< 24		< 19		< 12		< 23		< 27		< 27		< 24		< 26		< 25		< 25		< 30		< 27		< 27
107-13-1	Acrylonitrile	VOC	NA	< 9.4		< 7.7		< 4.8		< 9.2		< 11		< 11		< 9.7		< 10		< 10		< 9.8		< 12		< 11		< 11
71-43-2	Benzene	VOC	2,900	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		3.4		< 4.9		< 5.1		< 5.0		1.3		< 6.0		< 5.4		< 5.5
92-87-5	Benzidine	SVOC	NA		< 540		< 540		< 550		< 500		< 540		< 560		< 550		< 520		< 570		< 590		< 540		< 540	
74-97-5	Bromochloromethane	VOC	NA	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5
75-27-4	Bromodichloromethane	VOC	NA	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5
75-25-2	Bromoform	VOC	NA	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5
74-83-9	Bromomethane	VOC	NA	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5
75-15-0	Carbon Disulfide	VOC	100000	< 4.7		< 3.9		< 2.4		< 4.6		2.9		4.4		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5
56-23-5	Carbon Tetrachloride	VOC	1,400	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5
108-90-7	Chlorobenzene	VOC	100,000a	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		0.82		< 5.5
124-48-1	Chlorodibromomethane	VOC	NA	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5
75-00-3	Chloroethane	VOC	100000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5
67-66-3	Chloroform	VOC	10,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		0.91		1.5		1		< 5.5
74-87-3	Chloromethane	VOC	NA	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5
156-59-2	cis-1,2-Dichloroethene	VOC	59,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5
74-95-3	Dibromomethane	VOC	NA																									
75-71-8	Dichlorodifluoromethane	VOC	NA	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5
100-41-4	Ethylbenzene	VOC	30,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5
98-82-8	Isopropylbenzene	VOC	100000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5
75-09-2	Methylene Chloride	VOC	51,000	2		1.5		0.54		1.6		1.7		2		< 4.9		1.5		1.2		1.5		3.1		2.9		1.9
1634-04-4	Methyl Tert-Butyl Ether	VOC	62,000	< 9.4		< 7.7		< 4.8		< 9.2		< 11		< 11		< 9.7		< 10		< 10		< 9.8		< 12		< 11		< 11
91-20-3	Naphthalene	SVOC	100,000a		< 250		< 250		< 250		< 240		250		550		< 260		< 240		< 270		< 280		< 250		< 250	
104-51-8	n-Butylbenzene	VOC	100,000a	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5
103-65-1	n-Propylbenzene	VOC	100,000a	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5
99-87-6	p-Isoproplytoluene	VOC	NA	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5
135-98-8	sec-Butylbenzene	VOC	100,000a	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5
100-42-5	Styrene	VOC	NA	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5
98-06-6	tert-Butylbenzene	VOC	100,000a	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5
75-65-0	Tertiary Butyl Alcohol	VOC	NA	< 94		< 77		< 48		< 92		< 110		< 110		< 97		< 100		< 100		< 98		< 120		< 110		< 110
127-18-4	Tetrachloroethene	VOC	5,500	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5
108-88-3	Toluene	VOC	100,000a	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		6.2		< 4.9		78		0.86		0.84		< 6.0		< 5.4		< 5.5
1330-20-7	Total Xylenes	VOC	100,000a	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5
156-60-5	trans-1,2-Dichloroethene	VOC	100,000a	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5
79-01-6	Trichloroethene	VOC	10,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5
75-69-4	Trichlorofluoromethane	VOC	NA	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5
108-05-4	Vinyl Acetate	VOC	NA	< 47		< 39		< 24		< 46		< 54		< 53		< 49		< 51		< 50		< 49		< 60		< 54		< 55
75-01-4	Vinyl Chloride	VOC	210	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5

Table 2: Sample Results in Comparison with Part 375 Restricted Residential SCOs
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NYCRR 375 Residential	WC 11 2-3	WC 11 COMP	WC 12 1-2	WC 12 COMP	WC 13 1-2	WC 13 COMP	DUP WC 13 1-2	DUP WC 13 COMP	WC 14 2-3	WC 14 COMP	WC 15 2-3	WC 15 COMP	WC 16 1-2	WC 16 COMP	WC 17 1-2	WC 17 COMP	WC 18 1-2	WC 18 COMP	WC 19 1-2	WC 19 COMP	WC 20 1-2	WC 20 COMP	DUP WC 20 1-2	DUP WC 20 COMP	WC 21 4-5
	Lab Sample ID			BH69295	BH69296	BH69291	BH69292	BH70562	BH70563	BH70564	BH70565	BH69820	BH69821	BH69818	BH69819	BH69816	BH69817	BH69814	BH69815	BH69812	BH69813	BH69800	BH69801	BH69802	BH69803	BH69804	BH69805	BH69293
	Date			1/30/2015	1/30/2015	1/30/2015	1/30/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/30/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
87-68-3	Hexachlorobutadiene	SVOC	NA		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250	
122-66-7	1,2- Diphenylhydrazine	SVOC	NA		< 360		< 360		< 360		< 340		< 360		< 370		< 370		< 350		< 380		< 400		< 360		< 360	
120-82-1	1,2,4-Trichlorobenzene	VOC	NA	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5
95-94-3	1,2,4,5-Tetrachlorobenzene	SVOC	NA		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250	
58-90-2	2,3,4,6-Tetrachlorophenol	SVOC	NA		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250	
95-95-4	2,4,5-Trichlorophenol	SVOC	100000		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250	
88-06-2	2,4,6-Trichlorophenol	SVOC	NA		< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140	
102-83-2	2,4-Dichlorophenol	SVOC	100000		< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140	
105-67-9	2,4-Dimethylphenol	SVOC	NA		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250	
51-28-5	2,4-Dinitrophenol	SVOC	100000		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250	
121-14-2	2,4-Dinitrotoluene	SVOC	NA		< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140	
606-20-2	2,6-Dinitrotoluene	SVOC	1030		< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140	
91-58-7	2-Chloronaphthalene	SVOC	NA		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250	
95-57-8	2-Chlorophenol	SVOC	100000		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250	
91-57-6	2-Methylnaphthalene	SVOC	410		< 250		< 250		< 250		< 240		150		360		< 260		< 240		< 270		< 280		< 250		< 250	
95-48-7	2-Methylphenol	SVOC	100,000a		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250	
88-74-4	2-Nitroaniline	SVOC	NA		< 1800		< 1800		< 1800		< 1700		< 1800		< 1900		< 1800		< 1700		< 1900		< 2000		< 1800		< 1800	
88-75-5	2-Nitrophenol	SVOC	NA		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250	
91-94-1	3,3-Dichlorobenzidine	SVOC	NA		< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140	
99-09-2	3-Nitroaniline	SVOC	NA		< 1800		< 1800		< 1800		< 1700		< 1800		< 1900		< 1800		< 1700		< 1900		< 2000		< 1800		< 1800	
534-52-1	4,6-Dinitro-2-methylphenol	SVOC	NA		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250	
59-50-7	4-Chloro-3-methylphenol	SVOC	NA		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250	
106-47-8	4-Chloroaniline	SVOC	100000		< 720		< 720		< 730		< 670		< 730		< 750		< 730		< 700		< 760		< 790		< 730		< 710	
100-01-6	4-Nitroaniline	SVOC	NA		< 1800		< 1800		< 1800		< 1700		< 1800		< 1900		< 1800		< 1700		< 1900		< 2000		< 1800		< 1800	
100-02-7	4-Nitrophenol	SVOC	NA		< 1800		< 1800		< 1800		< 1700		< 1800		< 1900		< 1800		< 1700		< 1900		< 2000		< 1800		< 1800	
83-32-9	Acenaphthene	SVOC	100,000a		< 250		< 250		< 250		< 240		130		320		< 260		< 240		< 270		< 280		< 250		< 250	
208-96-8	Acenaphthylene	SVOC	100,000a		< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140	
98-86-2	Acetophenone	SVOC	NA		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250	
62-53-3	Aniline	SVOC	48000		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330	
120-12-7	Anthracene	SVOC	100,000a		< 250		< 250		< 250		< 240		< 250		200		140		< 240		< 270		< 280		< 250		< 250	
1912-24-9	Atrazine	SVOC	NA		< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140	
100-52-7	Benzaldehyde	SVOC	NA		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250	
56-55-3	Benzo-a-Anthracene	SVOC	1,000f		< 250		630		< 250		< 240		210		330		500		120		< 270		< 280		< 250		150	
50-32-8	Benzo-a-Pyrene	SVOC	1,000f		< 140		590		< 150		< 130		190		280		390		< 140		< 150		< 160		130		140	
205-99-2	Benzo-b-Fluoranthene	SVOC	1,000f		< 250		750		< 250		< 240		280		410		520		160		< 270		< 280		170		160	
207-08-9	Benzo-k-Fluoranthene	SVOC	1,000		< 250		320		< 250		< 240		< 250		160		200		< 240		< 270		< 280		< 250		< 250	
191-24-2	Benzo-g,h,i-Perylene	SVOC	100,000a		< 250		280		< 250		< 240		140		200		240		< 240		< 270		< 280		< 250		< 250	
65-85-0	Benzoic Acid	SVOC	100000		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330	
100-51-6	Benzyl Alcohol	SVOC	NA		< 360		< 360		< 360		< 340		< 360		< 370		< 370		< 350		< 380		< 400		< 360		< 360	
111-44-4	Bis(2-Chloroethyl)ether	SVOC	NA		< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140	
108-60-1	Bis(2-Chloroisopropyl)ether	SVOC	NA		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250	
117-81-7	Bis(2-Ethylhexyl)Phthalate	SVOC	50000		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250	
85-68-7	Butylbenzylphthalate	SVOC	100000		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250	
105-60-2	Caprolactam	SVOC	NA		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250	
86-74-8	Carbazole	SVOC	NA		< 1800		< 1800		< 1800		< 1700		< 1800		< 1900		< 1800		< 1700		< 1900		< 2000		< 1800		< 1800	
218-01-9	Chrysene	SVOC	1,000f		< 250		570		< 250		< 240		240		380		500		< 240		< 270		< 280		140		140	
75-99-0	Dalapon	SVOC	NA		< 45		< 46		< 47		< 43		< 45		< 47		< 46		< 44		< 49		< 49		< 46		< 45	
132-64-9	Dibenzofuran	SVOC	14,000		< 250		< 250		< 250		< 240		< 250		280		< 260		< 240		< 270		< 280		< 250		< 250	
53-70-3	Dibenzo-a,h-Anthracene	SVOC	330e		< 140		140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140	
84-66-2	Diethyl Phthalate	SVOC	100000		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250	
131-11-3	Dimethyl Phthalate	SVOC	100000		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250	
84-74-2	Di-n-Butyl Phthalate	SVOC	100000		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250	
117-84-0	Di-n-Octyl Phthalate	SVOC	100000		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250	
206-44-0	Fluoranthene	SVOC	100,000a		< 250		860		130		150		440		670		960		190		< 270		< 280		210		210	
86-73-7	Fluorene	SVOC	100,000a		< 250		< 250		< 250		< 240		< 250		360		< 260		< 240		< 270		< 280		< 250		< 250	
118-74-1	Hexachlorobenzene	SVOC	410		< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140	
77-47-4	Hexachlorocyclopentadiene	SVOC	NA		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250	
67-72-1	Hexachloroethane	SVOC	NA		< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140	
193-39-5	Indeno(1,2,3-cd)Pyrene	SVOC	500f		< 250		330		< 250		< 240		140		200		240		< 240		< 270		< 280		< 250		< 250	
78-59-1	Isophorone	SVOC	100000		< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140	
98-95-3	Nitrobenzene	SVOC	3700		< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140	
62-75-9	N-Nitrosodimethylamine	SVOC	NA		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250	
621-64-7	N-Nitroso-di-n-Propylamine	SVOC	NA		< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140	
86-30-6	N-Nitrosodiphenylamine	SVOC	NA		< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140	
87-86-5	Pentachlorophenol	SVOC	2,400		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250	
85-01-8	Phenanthrene	SVOC	100,000a		< 140		100		< 150		120		370		1000		540		< 140		< 150		< 160		170		150	
108-95-2	Phenol	SVOC	100,000a		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250	
129-00-0	Pyrene	SVOC	100,000a		< 250		770		< 250		130		390		560		920		190		< 270		< 280		180		180	

Table 2: Sample Results in Comparison with Part 375 Restricted Residential SCOs
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NYCRR 375 Residential	WC 11 2-3	WC 11 COMP	WC 12 1-2	WC 12 COMP	WC 13 1-2	WC 13 COMP	DUP WC 13 1-2	DUP WC 13 COMP	WC 14 2-3	WC 14 COMP	WC 15 2-3	WC 15 COMP	WC 16 1-2	WC 16 COMP	WC 17 1-2	WC 17 COMP	WC 18 1-2	WC 18 COMP	WC 19 1-2	WC 19 COMP	WC 20 1-2	WC 20 COMP	DUP WC 20 1-2	DUP WC 20 COMP	WC 21 4-5
	Lab Sample ID			BH69295	BH69296	BH69291	BH69292	BH70562	BH70563	BH70564	BH70565	BH69820	BH69821	BH69818	BH69819	BH69816	BH69817	BH69814	BH69815	BH69812	BH69813	BH69800	BH69801	BH69802	BH69803	BH69804	BH69805	BH69293
	Date			1/30/2015	1/30/2015	1/30/2015	1/30/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/30/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
93-76-5	2,4,5-T	HERBICIDE	100000		< 45		< 46		< 47		< 43		< 45		< 47		< 46		< 44		< 49		< 49		< 46		< 45	
93-72-1	2,4,5-TP Acid	PESTICIDE	58,000		< 45		< 46		< 47		< 43		< 45		< 47		< 46		< 44		< 49		< 49		< 46		< 45	
94-75-7	2,4-D	HERBICIDE	100000		< 45		< 46		< 47		< 43		< 45		< 47		< 46		< 44		< 49		< 49		< 46		< 45	
72-54-8	4,4-DDD	PESTICIDE	2,600		< 2.1		< 2.2		< 2.2		< 2.0		< 2.2		9.7		< 2.2		< 2.1		< 2.3		< 2.3		< 2.2		< 2.1	
72-55-9	4,4-DDE	PESTICIDE	1,800		< 2.1		< 2.2		< 2.2		< 2.0		< 2.2		< 2.2		< 2.2		< 2.1		< 2.3		< 2.3		< 2.2		< 2.1	
50-29-3	4,4-DDT	PESTICIDE	1,700		< 2.1		< 2.2		< 2.2		< 2.0		< 2.2		3.5		< 2.2		< 2.1		< 2.3		< 2.3		< 2.2		< 2.1	
309-00-2	Aldrin	PESTICIDE	19		< 3.6		< 3.6		< 3.7		< 3.4		< 3.6		< 3.7		< 3.7		< 3.5		< 3.9		< 3.9		< 3.7		< 3.5	
319-84-6	alpha-BHC	PESTICIDE	97		< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0	
5103-71-9	Alpha Chlordane	PESTICIDE	910		< 3.6		< 3.6		< 3.7		< 3.4		< 3.6		< 3.7		< 3.7		< 3.5		< 3.9		< 3.9		< 3.7		< 3.5	
12674-11-2	Aroclor 1016	PCB	NA		< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70	
1104-28-2	Aroclor 1221	PCB	NA		< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70	
11141-16-5	Aroclor 1232	PCB	NA		< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70	
53469-21-9	Aroclor 1242	PCB	NA		< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70	
12672-29-6	Aroclor 1248	PCB	NA		< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70	
11097-69-1	Aroclor 1254	PCB	NA		< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70	
11096-82-5	Aroclor 1260	PCB	NA		< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70	
11096-82-5	Aroclor 1262	PCB	NA		< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70	
37324-23-5	Aroclor 1268	PCB	NA		< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70	
319-85-7	beta-BHC	PESTICIDE	72		< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0	
57-74-9	Chlordane	PESTICIDE	910		< 36		< 36		< 37		< 34		< 36		< 37		< 37		< 35		< 39		< 39		< 37		< 35	
319-86-8	delta-BHC	PESTICIDE	100,000a		< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0	
1918-00-9	Dicamba	HERBICIDE	NA		< 90		< 92		< 93		< 86		< 91		< 93		< 93		< 88		< 97		< 98		< 91		< 90	
60-57-1	Dieldrin	PESTICIDE	39		< 3.6		< 3.6		< 3.7		< 3.4		< 3.6		< 3.7		< 3.7		< 3.5		< 3.9		< 3.9		< 3.7		< 3.5	
115-29-7	Endosulfan	PESTICIDE	NA		< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0	
959-98-8	Endosulfan I	PESTICIDE	4,800i		< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0	
33213-65-9	Endosulfan II	PESTICIDE	4,800i		< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0	
1031-07-8	Endosulfan Sulfate	PESTICIDE	4,800i		< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0	
72-20-8	Endrin	PESTICIDE	2,200		< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0	
58-89-9	gamma-BHC	PESTICIDE	280		< 1.4		< 1.4		< 1.5		< 1.3		< 1.4		< 1.5		< 1.5		< 1.4		< 1.5		< 1.6		< 1.5		< 1.4	
5103-74-2	Gamma Chlordane	PESTICIDE	540		< 3.6		< 3.6		< 3.7		< 3.4		< 3.6		< 3.7		< 3.7		< 3.5		< 3.9		< 3.9		< 3.7		< 3.5	
76-44-8	Heptachlor	PESTICIDE	420		< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0	
1024-57-3	Heptachlor Epoxide	PESTICIDE	77		< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0	
72-43-5	Methoxychlor	PESTICIDE	100000		< 36		< 36		< 37		< 34		< 36		< 37		< 37		< 35		< 39		< 39		< 37		< 35	
56-38-2	Parathion	PESTICIDE	100000		< 360		< 5		< 360		< 340		< 5		< 5		< 5		< 350		< 380		< 400		< 360		< 360	
1336-36-3	Polychlorinated Biphenyls	PESTICIDE	1,000		0		0		0		0		0		0		0		0		0		0		0		0	
8001-35-2	Toxaphene	PESTICIDE	NA		< 140		< 140		< 150		< 130		< 140		< 150		< 150		< 140		< 150		< 160		< 150		< 140	
	Unit		*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
7429-90-5	Aluminum, Al	METAL	NA		1320		1480		957		1410		3060		5030		9470		3190		1730		2280		2530		1440	
7440-36-0	Antimony, Sb	METAL	NA		< 3.4		< 3.7		< 3.6		< 3.2		< 3.6		< 4.0		< 3.5		< 3.7		< 4.1		< 3.6		< 3.9		< 3.7	
7440-38-2	Arsenic, As	METAL	16f		1		1.2		< 0.7		0.6		2.6		9.1		6.2		5.4		2.4		1.8		3.2		1.3	
7440-39-3	Barium, Ba	METAL	350f		7.57		15.4		6.65		8.48		29		103		109		42.5		20.8		16.6		76		22.2	
7440-41-7	Beryllium, Be	METAL	14		< 0.27		< 0.29		< 0.29		< 0.25		< 0.29		0.48		0.56		< 0.29		< 0.33		< 0.29		< 0.31		< 0.30	
7440-43-9	Cadmium, Cd	METAL	2.5f		< 0.34		< 0.37		< 0.36		< 0.32		< 0.36		< 0.40		< 0.35		< 0.37		< 0.41		0.46		0.43		< 0.37	
7440-47-3	Chromium, Cr	METAL	NA		4.75		4.92		2.65		4.46		9.36		11.3		18.9		11.6		10.3		5.41		9.93		5.67	
18540-29-9	Chromium, hexavalent	METAL	22		< 0.44		< 0.43		< 0.47		< 0.40		< 0.44		< 0.45		< 0.45		< 0.43		< 0.47		< 0.46		0.48		< 0.43	
16065-83-1	Chromium, trivalent	METAL	36		4.75		4.92		2.65		4.46		9.36		11.3		18.9		11.6		10.3		5.41		9.45		5.67	
7440-48-4	Cobalt, Co	METAL	30000		1.14		1.44		1.02		0.97		2.89		5.9		7.91		3.45		2.26		2.06		2.08		1.29	
7440-50-8	Copper, Cu	METAL	270		2.21		3.48		3.77		3.72		12		84.7		26		14		9.61		4.23		14.6		3.92	
57-12-5	Cyanide	METAL	27		< 0.55		< 0.51		< 0.47		< 0.47		< 0.55		< 0.56		< 0.51		< 0.54		< 0.59		< 0.60		< 0.56		< 0.54	
7439-89-6	Iron, Fe	METAL	2000000		2620		2860		2880		2520		10600		10600		17900		8740		4360		4160		4910		3070	
7439-92-1	Lead, Pb	METAL	400		3.22		22.6		13		12.9		37.1		108		145		65.2		13		14.9		170		33.3	
7439-96-5	Manganese, Mn	METAL	2,000f		32.7		34.9		35		34.6		118		248		275		138		64.2		55.4		78.7		34	
7439-97-6	Mercury, Hg	METAL	0.81j		< 0.03		< 0.03		< 0.03		< 0.02		0.18		0.17		0.09		0.2		< 0.03		< 0.03		0.04		0.05	
7440-02-0	Nickel, Ni	METAL	140		3.91		4.63		2.86		3.05		11.4		20.1		23.6		11.5		7.15		6.78		6.8		4.73	
7782-49-2	Selenium, Se	METAL	36		< 1.4		< 1.5		< 1.4		< 1.3		< 1.4		< 1.6		< 1.4		< 1.5		< 1.7		< 1.5		< 1.6		< 1.5	
7440-22-4	Silver, Ag	METAL	36		< 0.34		< 0.37		< 0.36		< 0.32		< 0.36		< 0.40		< 0.35		< 0.37		< 0.41		< 0.36		< 0.39		< 0.37	
7440-28-0	Thallium, Ti	METAL	NA		< 3.1		< 3.3		< 3.2		< 2.9		< 3.2		< 3.6		< 3.2		< 3.3		< 3.7		< 3.3		< 3.5		< 3.4	
7440-62-2	Vanadium, V	METAL	100000		4.27		5.36		4.14		4.1		11.2		17		25.2		11.1		6.09		6.56		7.76		5.02	
7440-66-6	Zinc, Zn	METAL	2,200		21.8		25.3		16.4		46.8		35.5		108		116		53.1		39.3		44		145		78.7	
	pH	pH	NA		9.33		8.95		9.49		9.7		7.19		9.65		8.7		9.68		9.07		8.72		9.42		9.39	
	TPH	TPH	NA		< 54		< 55		< 55		< 50		<55		<55		<55		<52		<57		<59		<55		<54	

Notes: Shaded values indicate an exceedance of NYCRR 375 Residential

Notes
ug/kg = micrograms per kilogram (ppb)
mg/kg = milligrams per kilogram (ppm)
ug/L = micrograms per liter
mg/L = milligrams per liter

Table 2: Sample Results in Comparison with Part 375 Restricted Residential SCOs
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NYCRR 375 Residential	WC 21 COMP	WC 22 1-2	WC 22 COMP	WC 23 1-2	WC 23 COMP	WC 24 1-2	WC 24 COMP	WC 25 1-2	WC 25 COMP	WC 26 2-3	WC 26 COMP	WC 27 1-2	WC 27 COMP	WC 28 1-2	WC 28 COMP	WC 29 2-3	WC 29 COMP	DUP WC 29 2-3	DUP WC 29 COMP	WC 30 1-2	WC 30 COMP	WC 31 1-2	WC 31 COMP	WC 32 2-3	WC 32 COMP	WC 33 3-4	WC 33 COMP
	Lab Sample ID			BH69294	BH70938	BH70939	BH70952	BH70953	BH70954	BH70955	BH70948	BH70949	BH70940	BH70941	BH69806	BH69807	BH69289	BH69290	BH69808	BH69809	BH69810	BH69811	BH68765	BH68766	BH70956	BH70957	BH69794	BH69795	BH68763	BH68764
	Date			1/30/2015	1/29/2015	1/29/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/5/2015	2/5/2015	2/3/2015	2/3/2015	1/30/2015	1/30/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015
	Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
630-20-6	1,1,1,2-Tetrachloroethane	VOC	NA		< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1	
71-55-6	1,1,1-Trichloroethane	VOC	100,000a		< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1	
79-34-5	1,1,2,2-Tetrachloroethane	VOC	35000		< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1	
79-00-5	1,1,2-Trichloroethane	VOC	NA		< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1	
92-52-4	1-1- Biphenyl	SVOC	NA	< 250		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250
75-34-3	1,1-Dichloroethane	VOC	19,000		< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1	
75-35-4	1,1-Dichloroethene	VOC	100,000a		< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1	
95-63-6	1,2,4-Trimethylbenzene	VOC	47,000		< 2.5		< 2.5		< 2.4		< 4.4		< 260		< 5.3		< 5.1		< 270		< 270		< 2.3		< 2.7		< 260		< 2.1	
96-12-8	1,2-Dibromo-3-Chloropropane	VOC	NA		< 2.5		< 2.5		< 2.3		< 4.4		< 80		< 5.3		< 5.1		< 80		< 5.0		< 2.3		< 2.3		< 80		< 2.1	
106-93-4	1,2-Dibromoethane	VOC	NA		< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1	
95-50-1	1,2-Dichlorobenzene	VOC	100,000a		< 2.5		< 2.5		< 2.3		5.1		< 260		< 5.3		< 5.1		< 270		< 5.0		< 2.3		< 2.3		< 260		< 2.1	
107-06-2	1,2-Dichloroethane	VOC	2,300		< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1	
78-87-5	1,2-Dichloropropane	VOC	NA		< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1	
108-67-8	1,3,5-Trimethylbenzene	VOC	47,000		< 2.5		< 2.5		< 2.4		< 4.4		< 260		< 5.3		< 5.1		< 270		< 270		< 2.3		< 2.7		< 260		< 2.1	
541-73-1	1,3-Dichlorobenzene	VOC	17,000		< 2.5		< 2.5		< 2.3		< 4.4		< 260		< 5.3		< 5.1		< 270		< 5.0		< 2.3		< 2.3		< 260		< 2.1	
106-46-7	1,4-Dichlorobenzene	VOC	9,800		< 2.5		< 2.5		< 2.3		1.6		< 260		< 5.3		< 5.1		< 270		< 5.0		< 2.3		< 2.3		< 260		< 2.1	
123-91-1	1,4-Dioxane	VOC	9,800		< 50		< 49		< 46		< 88		< 68		< 100		< 100		< 100		< 99		< 45		< 46		< 91		< 41	
78-93-3	2-Butanone	VOC	100,000a		< 15		< 15		2.8		< 26		< 20		< 32		< 31		< 34		< 30		< 14		< 14		< 27		< 12	
108-10-1	4-Methyl-2-Pentanone	VOC	NA		< 13		< 12		< 12		< 22		< 17		< 26		< 26		< 29		< 25		< 11		< 12		< 23		< 10	
67-64-1	Acetone	VOC	100,000a		< 25		16		18		11		< 34		< 50		< 51		< 50		< 50		< 23		3		< 46		< 21	
107-02-8	Acrolein	VOC	NA		< 13		< 12		< 12		< 22		< 17		< 26		< 26		< 29		< 25		< 11		< 12		< 23		< 10	
107-13-1	Acrylonitrile	VOC	NA		< 5.0		< 4.9		< 4.6		< 8.8		< 6.8		< 11		< 10		< 11		< 9.9		< 4.5		< 4.6		< 9.1		< 4.1	
71-43-2	Benzene	VOC	2,900		< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		6.6		< 2.3		< 2.3		< 4.6		< 2.1	
92-87-5	Benzidine	SVOC	NA	< 530		< 530		< 560		< 530		< 570		< 550		< 590		< 530		< 580		< 590		< 530		< 540		< 590		< 540
74-97-5	Bromochloromethane	VOC	NA		< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1	
75-27-4	Bromodichloromethane	VOC	NA		< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		1.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1	
75-25-2	Bromoform	VOC	NA		< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1	
74-83-9	Bromomethane	VOC	NA		< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1	
75-15-0	Carbon Disulfide	VOC	100000		< 2.5		2.3		0.55		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1	
56-23-5	Carbon Tetrachloride	VOC	1,400		< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1	
108-90-7	Chlorobenzene	VOC	100,000a		< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1	
124-48-1	Chlorodibromomethane	VOC	NA		< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1	
75-00-3	Chloroethane	VOC	100000		< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1	
67-66-3	Chloroform	VOC	10,000		< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		110		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1	
74-87-3	Chloromethane	VOC	NA		< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1	
156-59-2	cis-1,2-Dichloroethene	VOC	59,000		< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1	
74-95-3	Dibromomethane	VOC	NA																											
75-71-8	Dichlorodifluoromethane	VOC	NA		< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1	
100-41-4	Ethylbenzene	VOC	30,000		< 2.5		< 2.5		0.54		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1	
98-82-8	Isopropylbenzene	VOC	100000		< 2.5		< 2.5		< 2.3		< 4.4		< 260		< 5.3		< 5.1		< 270		+++IND		< 2.3		< 2.3		< 260		< 2.1	
75-09-2	Methylene Chloride	VOC	51,000		0.55		0.57		0.62		1.3		0.73		2.3		1.7		2.7		2.6		< 2.3		0.45		1.7		< 2.1	
1634-04-4	Methyl Tert-Butyl Ether	VOC	62,000		< 5.0		< 4.9		< 4.6		< 8.8		< 6.8		< 11		< 10		< 11		< 9.9		< 4.5		< 4.6		< 9.1		< 4.1	
91-20-3	Naphthalene	SVOC	100,000a	< 250		< 250		< 260		< 250		< 260		< 260		< 270		< 250		240		< 280		< 250		< 250		< 280		< 250
104-51-8	n-Butylbenzene	VOC	100,000a		< 2.5		< 2.5		< 2.4		< 4.4		< 260		< 5.3		< 5.1		< 270		< 270		< 2.3		< 2.7		< 260		< 2.1	
103-65-1	n-Propylbenzene	VOC	100,000a		< 2.5		< 2.5		< 2.4		< 4.4		< 260		< 5.3		< 5.1		< 270		< 270		< 2.3		< 2.7		< 260		< 2.1	
99-87-6	p-Isoproplytoluene	VOC	NA		< 2.5		< 2.5		< 2.4		< 4.4		< 260		< 5.3		< 5.1		< 270		< 270		< 2.3		< 2.7		< 260		< 2.1	
135-98-8	sec-Butylbenzene	VOC	100,000a		< 2.5		< 2.5		< 2.4		< 4.4		< 260		< 5.3		< 5.1		< 270		< 270		< 2.3		< 2.7		< 260		< 2.1	
100-42-5	Styrene	VOC	NA		< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1	
98-06-6	tert-Butylbenzene	VOC	100,000a		< 2.5		< 2.5		< 2.4		< 4.4		< 260		< 5.3		< 5.1		< 270		< 270		< 2.3		< 2.7		< 260		< 2.1	
75-65-0	Tertiary Butyl Alcohol	VOC	NA		< 50		< 49		< 46		< 88		< 68		< 110		< 100		< 110		< 99		< 45		< 46		< 91		< 41	
127-18-4	Tetrachloroethene	VOC	5,500		< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1	
108-88-3	Toluene	VOC	100,000a		< 2.5		< 2.5		< 2.3		< 4.4		0.56		< 5.3		< 5.1		< 5.7		2.6		< 2.3		< 2.3		< 4.6		< 2.1	
1330-20-7	Total Xylenes	VOC	100,000a		< 2.5		< 2.5		2.9		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1	
156-60-5	trans-1,2-Dichloroethene	VOC	100,000a		< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1	
79-01-6	Trichloroethene	VOC	10,000		< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1	
75-69-4	Trichlorofluoromethane	VOC	NA		< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1	
108-05-4	Vinyl Acetate	VOC	NA		< 25		< 25		< 24		< 44		< 34		< 53		< 51		< 57		< 50		< 23		< 23		< 46		< 21	
75-01-4	Vinyl Chloride	VOC	210		< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1	

Table 2: Sample Results in Comparison with Part 375 Restricted Residential SCOs
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NYCRR 375 Residential	WC 21 COMP	WC 22 1-2	WC 22 COMP	WC 23 1-2	WC 23 COMP	WC 24 1-2	WC 24 COMP	WC 25 1-2	WC 25 COMP	WC 26 2-3	WC 26 COMP	WC 27 1-2	WC 27 COMP	WC 28 1-2	WC 28 COMP	WC 29 2-3	WC 29 COMP	DUP WC 29 2-3	DUP WC 29 COMP	WC 30 1-2	WC 30 COMP	WC 31 1-2	WC 31 COMP	WC 32 2-3	WC 32 COMP	WC 33 3-4	WC 33 COMP
	Lab Sample ID			BH69294	BH70938	BH70939	BH70952	BH70953	BH70954	BH70955	BH70948	BH70949	BH70940	BH70941	BH69806	BH69807	BH69289	BH69290	BH69808	BH69809	BH69810	BH69811	BH68765	BH68766	BH70956	BH70957	BH69794	BH69795	BH68763	BH68764
	Date			1/30/2015	1/29/2015	1/29/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/5/2015	2/5/2015	2/3/2015	2/3/2015	1/30/2015	1/30/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
87-68-3	Hexachlorobutadiene	SVOC	NA	< 250		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250
122-66-7	1,2- Diphenylhydrazine	SVOC	NA	< 360		< 350		< 370		< 360		< 380		< 370		< 390		< 360		< 380		< 390		< 360		< 360		< 390		< 360
120-82-1	1,2,4-Trichlorobenzene	VOC	NA		< 2.5		< 2.5		< 2.3		< 4.4		< 260		< 5.3		< 5.1		< 270		< 5.0		< 2.3		< 2.3		< 260		< 2.1	
95-94-3	1,2,4,5-Tetrachlorobenzene	SVOC	NA	< 250		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250
58-90-2	2,3,4,6-Tetrachlorophenol	SVOC	NA	< 250		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250
95-95-4	2,4,5-Trichlorophenol	SVOC	100000	< 250		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250
88-06-2	2,4,6-Trichlorophenol	SVOC	NA	< 140		< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150
102-83-2	2,4-Dichlorophenol	SVOC	100000	< 140		< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150
105-67-9	2,4-Dimethylphenol	SVOC	NA	< 250		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250
51-28-5	2,4-Dinitrophenol	SVOC	100000	< 250		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250
121-14-2	2,4-Dinitrotoluene	SVOC	NA	< 140		< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150
606-20-2	2,6-Dinitrotoluene	SVOC	1030	< 140		< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150
91-58-7	2-Chloronaphthalene	SVOC	NA	< 250		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250
95-57-8	2-Chlorophenol	SVOC	100000	< 250		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250
91-57-6	2-Methylnaphthalene	SVOC	410	< 250		< 250		< 260		< 250		< 260		< 260		< 270		< 250		200		< 280		< 250		< 250		< 280		< 250
95-48-7	2-Methylphenol	SVOC	100,000a	< 250		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250
88-74-4	2-Nitroaniline	SVOC	NA	< 1800		< 1800		< 1900		< 1800		< 1900		< 1800		< 2000		< 1800		< 1900		< 2000		< 1800		< 1800		< 2000		< 1800
88-75-5	2-Nitrophenol	SVOC	NA	< 250		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250
91-94-1	3,3-Dichlorobenzidine	SVOC	NA	< 140		< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150
99-09-2	3-Nitroaniline	SVOC	NA	< 1800		< 1800		< 1900		< 1800		< 1900		< 1800		< 2000		< 1800		< 1900		< 2000		< 1800		< 1800		< 2000		< 1800
534-52-1	4,6-Dinitro-2-methylphenol	SVOC	NA	< 250		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250
59-50-7	4-Chloro-3-methylphenol	SVOC	NA	< 250		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250
106-47-8	4-Chloroaniline	SVOC	100000	< 710		< 700		< 750		< 710		< 750		< 740		< 780		< 710		< 770		< 790		< 710		< 710		< 790		< 730
100-01-6	4-Nitroaniline	SVOC	NA	< 1800		< 1800		< 1900		< 1800		< 1900		< 1800		< 2000		< 1800		< 1900		< 2000		< 1800		< 1800		< 2000		< 1800
100-02-7	4-Nitrophenol	SVOC	NA	< 1800		< 1800		< 1900		< 1800		< 1900		< 1800		< 2000		< 1800		< 1900		< 2000		< 1800		< 1800		< 2000		< 1800
83-32-9	Acenaphthene	SVOC	100,000a	< 250		< 250		< 260		< 250		180		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250
208-96-8	Acenaphthylene	SVOC	100,000a	< 140		< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150
98-86-2	Acetophenone	SVOC	NA	< 250		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250
62-53-3	Aniline	SVOC	48000	< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330
120-12-7	Anthracene	SVOC	100,000a	< 250		< 250		< 260		210		510		< 260		< 270		< 250		310		250		< 250		< 250		< 280		< 250
1912-24-9	Atrazine	SVOC	NA	< 140		< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150
100-52-7	Benzaldehyde	SVOC	NA	< 250		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250
56-55-3	Benzo-a-Anthracene	SVOC	1,000f	< 250		< 250		280		880		1200		280		< 270		< 250		990		600		< 250		200		< 280		< 250
50-32-8	Benzo-a-Pyrene	SVOC	1,000f	< 140		< 140		280		800		950		280		< 160		< 140		990		550		< 140		190		< 160		< 150
205-99-2	Benzo-b-Fluoranthene	SVOC	1,000f	< 250		< 250		480		1300		1600		490		140		< 250		1300		760		< 250		300		< 280		130
207-08-9	Benzo-k-Fluoranthene	SVOC	1,000	< 250		< 250		200		520		590		180		< 270		< 250		540		260		< 250		160		< 280		< 250
191-24-2	Benzo-g,h,i-Perylene	SVOC	100,000a	< 250		< 250		< 260		210		220		< 260		< 270		< 250		390		230		< 250		< 250		< 280		< 250
65-85-0	Benzoic Acid	SVOC	100000	< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330
100-51-6	Benzyl Alcohol	SVOC	NA	< 360		< 350		< 370		< 360		< 380		< 370		< 390		< 360		< 380		< 390		< 360		< 360		< 390		< 360
111-44-4	Bis(2-Chloroethyl)ether	SVOC	NA	< 140		< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150
108-60-1	Bis(2-Chloroisopropyl)ether	SVOC	NA	< 250		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250
117-81-7	Bis(2-Ethylhexyl)Phthalate	SVOC	50000	< 250		< 250		230		< 250		120		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250
85-68-7	Butylbenzylphthalate	SVOC	100000	< 250		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250
105-60-2	Caprolactam	SVOC	NA	< 250		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250
86-74-8	Carbazole	SVOC	NA	< 1800		< 1800		< 1900		< 1800		350		< 1800		< 2000		< 1800		< 1900		< 2000		< 1800		< 1800		< 2000		< 1800
218-01-9	Chrysene	SVOC	1,000f	< 250		< 250		270		820		1100		350		130		< 250		1100		660		< 250		190		< 280		< 250
75-99-0	Dalapon	SVOC	NA	< 45		< 44		< 46		< 46		< 48		< 46		< 50		< 45		< 49		< 49		< 45		< 45		< 49		< 46
132-64-9	Dibenzofuran	SVOC	14,000	< 250		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250
53-70-3	Dibenzo-a,h-Anthracene	SVOC	330e	< 140		< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150
84-66-2	Diethyl Phthalate	SVOC	100000	< 250		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250
131-11-3	Dimethyl Phthalate	SVOC	100000	< 250		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250
84-74-2	Di-n-Butyl Phthalate	SVOC	100000	< 250		< 250		< 260		< 250		< 260		< 260		< 270		< 250		130		< 280		< 250		< 250		< 280		< 250
117-84-0	Di-n-Octyl Phthalate	SVOC	100000	< 250		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250
206-44-0	Fluoranthene	SVOC	100,000a	< 250		< 250		470		1700		2100		620		170		< 250		1400		1000		< 250		320		< 280		120
86-73-7	Fluorene	SVOC	100,000a	< 250		< 250		< 260		< 250		190		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250
118-74-1	Hexachlorobenzene	SVOC	410	< 140		< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150
77-47-4	Hexachlorocyclopentadiene	SVOC	NA	< 250		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250
67-72-1	Hexachloroethane	SVOC	NA	< 140		< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150
193-39-5	Indeno(1,2,3-cd)Pyrene	SVOC	500f	< 250		< 250		< 260		200		210		< 260		< 270		< 250		400		240		< 250		< 250		< 280		< 250
78-59-1	Isophorone	SVOC	100000	< 140		< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150
98-95-3	Nitrobenzene	SVOC	3700	< 140		< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150
62-75-9	N-Nitrosodimethylamine	SVOC	NA	< 250		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250
621-64-7	N-Nitroso-di-n-Propylamine	SVOC	NA	< 140		< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150
86-30-6	N-Nitrosodiphenylamine	SVOC	NA	< 140		< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150
87-86-5	Pentachlorophenol	SVOC	2,400	< 250		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250
85-01-8	Phenanthrene	SVOC	100,000a	< 140		< 140		350		1100		1800		460		170		< 140		1300		1200		< 140		280		< 160		110
108-95-2	Phenol	SVOC	100,000a	< 250		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250
129-00-0	Pyrene	SVOC	100,000a	< 250		< 250		450		1400		2100		520		170		< 250		1200		830		< 250		270		< 280		< 250

Table 2: Sample Results in Comparison with Part 375 Restricted Residential SCOs
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NYCRR 375 Residential	WC 21 COMP	WC 22 1-2	WC 22 COMP	WC 23 1-2	WC 23 COMP	WC 24 1-2	WC 24 COMP	WC 25 1-2	WC 25 COMP	WC 26 2-3	WC 26 COMP	WC 27 1-2	WC 27 COMP	WC 28 1-2	WC 28 COMP	WC 29 2-3	WC 29 COMP	DUP WC 29 2-3	DUP WC 29 COMP	WC 30 1-2	WC 30 COMP	WC 31 1-2	WC 31 COMP	WC 32 2-3	WC 32 COMP	WC 33 3-4	WC 33 COMP
	Lab Sample ID			BH69294	BH70938	BH70939	BH70952	BH70953	BH70954	BH70955	BH70948	BH70949	BH70940	BH70941	BH69806	BH69807	BH69289	BH69290	BH69808	BH69809	BH69810	BH69811	BH68765	BH68766	BH70956	BH70957	BH69794	BH69795	BH68763	BH68764
	Date			1/30/2015	1/29/2015	1/29/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/5/2015	2/5/2015	2/3/2015	2/3/2015	1/30/2015	1/30/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
93-76-5	2,4,5-T	HERBICIDE	100000	< 45		< 44		< 46		< 46		< 48		< 46		< 50		< 45		< 49		< 49		< 45		< 45		< 49		< 46
93-72-1	2,4,5-TP Acid	PESTICIDE	58,000	< 45		< 44		< 46		< 46		< 48		< 46		< 50		< 45		< 49		< 49		< 45		< 45		< 49		< 46
94-75-7	2,4-D	HERBICIDE	100000	< 45		< 44		< 46		< 46		< 48		< 46		< 50		< 45		< 49		< 49		< 45		< 45		< 49		< 46
72-54-8	4,4-DDD	PESTICIDE	2,600	< 2.1		< 2.1		< 2.2		< 2.2		< 2.3		< 2.2		< 2.4		< 2.1		< 12		< 2.3		< 2.1		< 2.1		< 2.4		< 2.2
72-55-9	4,4-DDE	PESTICIDE	1,800	< 2.1		< 2.1		< 2.2		< 2.2		< 2.3		< 2.2		< 2.4		< 2.1		< 12		< 2.3		< 2.1		< 2.1		< 2.4		< 2.2
50-29-3	4,4-DDT	PESTICIDE	1,700	< 2.1		< 2.1		< 2.2		< 2.2		< 2.3		< 2.2		< 2.4		< 2.1		< 12		< 2.3		< 2.1		< 2.1		< 2.4		< 2.2
309-00-2	Aldrin	PESTICIDE	19	< 3.5		< 3.5		< 3.7		< 3.6		< 3.8		< 3.7		< 4.0		< 3.6		< 19		< 3.9		< 3.6		< 3.6		< 3.9		< 3.6
319-84-6	alpha-BHC	PESTICIDE	97	< 7.1		< 7.0		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2
5103-71-9	Alpha Chlordane	PESTICIDE	910	< 3.5		< 3.5		< 3.7		< 3.6		< 3.8		< 3.7		< 4.0		< 3.6		< 19		< 3.9		< 3.6		< 3.6		< 3.9		< 3.6
12674-11-2	Aroclor 1016	PCB	NA	< 71		< 70		< 73		< 73		850		< 75		< 80		< 72		< 78		< 78		< 71		< 71		< 79		< 72
1104-28-2	Aroclor 1221	PCB	NA	< 71		< 70		< 73		< 73		< 76		< 75		< 80		< 72		< 78		< 78		< 71		< 71		< 79		< 72
11141-16-5	Aroclor 1232	PCB	NA	< 71		< 70		< 73		< 73		< 76		< 75		< 80		< 72		< 78		< 78		< 71		< 71		< 79		< 72
53469-21-9	Aroclor 1242	PCB	NA	< 71		< 70		< 73		< 73		< 76		< 75		< 80		< 72		< 78		< 78		< 71		< 71		< 79		< 72
12672-29-6	Aroclor 1248	PCB	NA	< 71		< 70		< 73		< 73		< 76		< 75		< 80		< 72		< 78		< 78		< 71		< 71		< 79		< 72
11097-69-1	Aroclor 1254	PCB	NA	< 71		< 70		< 73		< 73		< 76		< 75		< 80		< 72		< 78		< 78		< 71		< 71		< 79		< 72
11096-82-5	Aroclor 1260	PCB	NA	< 71		< 70		< 73		< 73		< 76		< 75		< 80		< 72		430		< 78		< 71		< 71		< 79		< 72
11096-82-5	Aroclor 1262	PCB	NA	< 71		< 70		< 73		< 73		< 76		< 75		< 80		< 72		< 78		< 78		< 71		< 71		< 79		< 72
37324-23-5	Aroclor 1268	PCB	NA	< 71		< 70		< 73		< 73		< 76		< 75		< 80		< 72		< 78		< 78		< 71		< 71		< 79		< 72
319-85-7	beta-BHC	PESTICIDE	72	< 7.1		< 7.0		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2
57-74-9	Chlordane	PESTICIDE	910	< 35		< 35		< 37		< 36		< 38		< 37		< 40		< 36		< 190		< 39		< 36		< 36		< 39		< 36
319-86-8	delta-BHC	PESTICIDE	100,000a	< 7.1		< 7.0		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2
1918-00-9	Dicamba	HERBICIDE	NA	< 90		< 89		< 92		< 91		< 96		< 92		< 99		< 90		< 97		< 99		< 91		< 89		< 98		< 92
60-57-1	Dieldrin	PESTICIDE	39	< 3.5		< 3.5		< 3.7		< 3.6		< 3.8		< 3.7		< 4.0		< 3.6		< 19		< 3.9		< 3.6		< 3.6		< 3.9		< 3.6
115-29-7	Endosulfan	PESTICIDE	NA	< 7.1		< 7.0		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2
959-98-8	Endosulfan I	PESTICIDE	4,800i	< 7.1		< 7.0		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2
33213-65-9	Endosulfan II	PESTICIDE	4,800i	< 7.1		< 7.0		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2
1031-07-8	Endosulfan Sulfate	PESTICIDE	4,800i	< 7.1		< 7.0		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2
72-20-8	Endrin	PESTICIDE	2,200	< 7.1		< 7.0		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2
58-89-9	gamma-BHC	PESTICIDE	280	< 1.4		< 1.4		< 1.5		< 1.5		< 10		< 1.5		< 1.6		< 1.4		< 7.7		< 1.6		< 1.4		< 1.4		< 1.6		< 1.4
5103-74-2	Gamma Chlordane	PESTICIDE	540	< 3.5		< 3.5		< 3.7		< 3.6		< 3.8		< 3.7		< 4.0		< 3.6		< 19		< 3.9		< 3.6		< 3.6		< 3.9		< 3.6
76-44-8	Heptachlor	PESTICIDE	420	< 7.1		< 7.0		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2
1024-57-3	Heptachlor Epoxide	PESTICIDE	77	< 7.1		< 7.0		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2
72-43-5	Methoxychlor	PESTICIDE	100000	< 35		< 35		< 37		< 36		< 38		< 37		< 40		< 36		< 190		< 39		< 36		< 36		< 39		< 36
56-38-2	Parathion	PESTICIDE	100000	< 5		< 350		< 370		< 360		< 380		< 370		< 390		< 360		< 380		< 390		< 360		< 360		< 390		< 360
1336-36-3	Polychlorinated Biphenyls	PESTICIDE	1,000	0		0		0		0		850		0		0		0		430		0		0		0		0		0
8001-35-2	Toxaphene	PESTICIDE	NA	< 140		< 140		< 150		< 150		< 150		< 150		< 160		< 140		< 770		< 160		< 140		< 140		< 160		< 140
	Unit		*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
7429-90-5	Aluminum, Al	METAL	NA	1390		1240		5390		3710		4900		3260		1320		1390		3360		3810		2280		3610		1360		1830
7440-36-0	Antimony, Sb	METAL	NA	< 3.7		< 3.2		< 3.5		< 3.4		< 3.9		< 4.0		< 3.9		< 3.5		15.5		18.6		< 3.3		< 3.5		< 4.0		< 3.8
7440-38-2	Arsenic, As	METAL	16f	1.1		0.9		3.6		2.5		3.1		5		1		1.1		10.9		9.1		1.9		2.2		1.4		1.9
7440-39-3	Barium, Ba	METAL	350f	5.81		9.86		52.6		30.9		53.5		70.1		16.4		12.4		254		509		16		32.7		10.3		11.7
7440-41-7	Beryllium, Be	METAL	14	< 0.30		< 0.26		0.33		< 0.27		< 0.31		0.39		< 0.31		< 0.28		< 0.33		< 0.31		< 0.26		< 0.28		< 0.32		< 0.30
7440-43-9	Cadmium, Cd	METAL	2.5f	< 0.37		< 0.32		0.72		< 0.34		5.41		< 0.40		< 0.39		< 0.35		2.21		1.06		< 0.33		< 0.35		< 0.40		< 0.38
7440-47-3	Chromium, Cr	METAL	NA	4.59		4.06		15.4		9.19		24.4		10.7		4.86		4.5		287		121		10.4		11.1		4.43		8.39
18540-29-9	Chromium, hexavalent	METAL	22	< 0.45		< 0.43		< 0.45		< 0.42		0.98		< 0.45		< 0.48		< 0.43		< 0.45		2.08		< 0.42		< 0.43		< 0.46		< 0.44
16065-83-1	Chromium, trivalent	METAL	36	4.59		4.06		15.4		9.19		23.4		10.7		4.86		4.5		287		119		10.4		11.1		4.43		8.39
7440-48-4	Cobalt, Co	METAL	30000	1.22		1.2		4.74		2.81		3.55		3.84		1.25		1.26		34.8		28.1		2.02		3.48		1.55		1.81
7440-50-8	Copper, Cu	METAL	270	1.91		6.22		21.7		13.3		29.6		16.6		4.21		1.57		2930		8320		6.45		15.6		3.18		6.59
57-12-5	Cyanide	METAL	27	1.26		< 0.48		< 0.56		< 0.55		< 0.53		< 0.56		< 0.60		0.66		1.32		0.63		4.16		< 0.54		< 0.54		< 0.51
7439-89-6	Iron, Fe	METAL	2000000	2900		2880		9370		7110		10200		6440		2740		2710		96000		45300		4650		7310		2980		4800
7439-92-1	Lead, Pb	METAL	400	4.87		18.7		93.6		42.2		238		61		30.6		19.3		505		594		39.6		54.4		12.3		13.2
7439-96-5	Manganese, Mn	METAL	2,000f	29.5		51.9		146		110		148		103		35.4		30.2		570		336		53.8		125		34.3		50.6
7439-97-6	Mercury, Hg	METAL	0.81j	< 0.03		0.04		0.25		0.15		0.21		0.09		< 0.03		0.05		0.1		0.09		< 0.03		0.09		0.08		< 0.03
7440-02-0	Nickel, Ni	METAL	140	5.57		4.35		17.7		11.7		16.2		12.2		4.13		4.13		151		82.8		7.56		14.1		4.95		6.67
7782-49-2	Selenium, Se	METAL	36	< 1.5		< 1.3		< 1.4		< 1.4		< 1.6		< 1.6		< 1.6		< 1.4		< 1.6		< 1.5		< 1.3		< 1.4		< 1.6		< 1.5
7440-22-4	Silver, Ag	METAL	36	< 0.37		< 0.32		< 0.35		< 0.34		< 0.39		< 0.40		< 0.39		< 0.35		0.63		2.28		< 0.33		< 0.35		< 0.40		< 0.38
7440-28-0	Thallium, Ti	METAL	NA	< 3.4		< 2.9		< 3.2		< 3.1		< 3.5		< 3.6		< 3.5		< 3.2		< 3.7		< 3.5		< 2.9		< 3.1		< 3.6		< 3.4
7440-62-2	Vanadium, V	METAL	100000	4.72		4.94		18.6		12.1		16.1		9.98		6.21		4.55		31.3		22.5		7.45		10.4		5.18		6.57
7440-66-6	Zinc, Zn	METAL	2,200	54.5		22.9		91		52.3		495		97.5		30.5		16.4		1030		600		50		51.4		23.4		16
	pH	pH	NA	9.56		8.85		12		11.69		11.94		9.36		10.75		9.39		8.14		8.44		9.07		9.61		9.07		10.26
	TPH	TPH	NA	< 53		<53		<55		<54		<58		<56		<60		< 54		660		280		< 55		<53		<58		< 54

Notes: Shaded values indicate an exceedance of NYCRR 375 Residential

Notes
ug/kg = micrograms per kilogram (ppb)
mg/kg = milligrams per kilogram (ppm)
ug/L = micrograms per liter
mg/L = milligrams per liter

Table 2: Sample Results in Comparison with Part 375 Restricted Residential SCOs
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NYCRR 375 Residential	WC 34 2-3	WC 34 COMP	WC 35 1-2	WC 35 COMP	WC 36 2-3	WC 36 COMP	WC 37 4-5	WC 37 COMP	WC 38 1-2	WC 38 COMP	WC 39 2-3	WC 39 COMP	WC 40 1-2	WC 40 COMP	WC 41 1-2	WC 41 COMP	WC 42 1-2	WC 42 COMP	WC 43 1-2	WC 43 COMP	WC 44 1-2	WC 44 COMP	WC 45 2-3	WC 45 COMP	DUP WC 45 2-3	DUP WC 45 COMP	WC 46 2-3
	Lab Sample ID			BH70942	BH70943	BH69796	BH69797	BH68761	BH68762	BH70548	BH70549	BH70550	BH70551	BH70950	BH70951	BH69798	BH69799	BH68759	BH68760	BH70544	BH70545	BH70552	BH70553	BH70570	BH70571	BH70566	BH70567	BH70568	BH70569	BH68757
	Date			1/29/2015	1/29/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	1/29/2015
	Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
630-20-6	1,1,1,2-Tetrachloroethane	VOC	NA	< 3.4		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3
71-55-6	1,1,1-Trichloroethane	VOC	100,000a	< 3.4		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3
79-34-5	1,1,2,2-Tetrachloroethane	VOC	35000	< 3.4		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3
79-00-5	1,1,2-Trichloroethane	VOC	NA	< 3.4		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3
92-52-4	1-1- Biphenyl	SVOC	NA		< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270	
75-34-3	1,1-Dichloroethane	VOC	19,000	< 3.4		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3
75-35-4	1,1-Dichloroethene	VOC	100,000a	< 3.4		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3
95-63-6	1,2,4-Trimethylbenzene	VOC	47,000	< 3.4		< 5.1		< 250		< 3.3		< 250		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3
96-12-8	1,2-Dibromo-3-Chloropropane	VOC	NA	< 3.4		< 5.1		< 250		< 3.3		< 80		< 3.0		< 80		< 2.6		< 4.9		< 2.3		< 80		< 80		< 80		< 2.3
106-93-4	1,2-Dibromoethane	VOC	NA	< 3.4		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3
95-50-1	1,2-Dichlorobenzene	VOC	100,000a	0.65		< 5.1		< 250		< 3.3		< 250		< 3.0		< 640		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3
107-06-2	1,2-Dichloroethane	VOC	2,300	< 3.4		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3
78-87-5	1,2-Dichloropropane	VOC	NA	< 3.4		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3
108-67-8	1,3,5-Trimethylbenzene	VOC	47,000	< 3.4		< 5.1		< 250		< 3.3		< 250		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3
541-73-1	1,3-Dichlorobenzene	VOC	17,000	< 3.4		< 5.1		< 250		< 3.3		< 250		< 3.0		< 640		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3
106-46-7	1,4-Dichlorobenzene	VOC	9,800	< 3.4		< 5.1		< 250		< 3.3		< 250		< 3.0		< 640		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3
123-91-1	1,4-Dioxane	VOC	9,800	< 67		< 100		< 47		< 65		< 52		< 60		< 83		< 51		< 97		< 45		< 48		< 100		< 86		< 46
78-93-3	2-Butanone	VOC	100,000a	< 20		< 30		< 14		< 20		< 16		< 18		< 25		< 15		< 29		< 14		< 14		< 35		< 26		< 14
108-10-1	4-Methyl-2-Pentanone	VOC	NA	< 17		< 25		< 12		< 16		< 13		< 15		< 21		< 13		< 24		< 11		< 12		< 29		< 22		< 12
67-64-1	Acetone	VOC	100,000a	11		< 50		2.6		< 33		3.6		< 30		< 42		< 26		< 49		6.5		< 24		< 50		< 43		4.2
107-02-8	Acrolein	VOC	NA	< 17		< 25		< 12		< 16		< 13		< 15		< 21		< 13		< 24		< 11		< 12		< 29		< 22		< 12
107-13-1	Acrylonitrile	VOC	NA	< 6.7		< 10		< 4.7		< 6.5		< 5.2		< 6.0		< 8.3		< 5.1		< 9.7		< 4.5		< 4.8		< 12		< 8.6		< 4.6
71-43-2	Benzene	VOC	2,900	< 3.4		< 5.1		66		< 3.3		< 2.6		< 3.0		0.97		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3
92-87-5	Benzidine	SVOC	NA		< 540		< 560		< 570		< 540		< 2700		< 560		< 560		< 2600		< 700		< 550		< 560		< 560		< 570	
74-97-5	Bromochloromethane	VOC	NA	< 3.4		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3
75-27-4	Bromodichloromethane	VOC	NA	< 3.4		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3
75-25-2	Bromoform	VOC	NA	< 3.4		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3
74-83-9	Bromomethane	VOC	NA	< 3.4		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3
75-15-0	Carbon Disulfide	VOC	100000	3.2		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3
56-23-5	Carbon Tetrachloride	VOC	1,400	< 3.4		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3
108-90-7	Chlorobenzene	VOC	100,000a	< 3.4		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3
124-48-1	Chlorodibromomethane	VOC	NA	< 3.4		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3
75-00-3	Chloroethane	VOC	100000	< 3.4		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3
67-66-3	Chloroform	VOC	10,000	0.94		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3
74-87-3	Chloromethane	VOC	NA	< 3.4		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3
156-59-2	cis-1,2-Dichloroethene	VOC	59,000	< 3.4		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3
74-95-3	Dibromomethane	VOC	NA																											
75-71-8	Dichlorodifluoromethane	VOC	NA	< 3.4		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3
100-41-4	Ethylbenzene	VOC	30,000	< 3.4		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3
98-82-8	Isopropylbenzene	VOC	100000	< 3.4		< 5.1		< 250		< 3.3		< 250		< 3.0		< 640		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3
75-09-2	Methylene Chloride	VOC	51,000	1.2		1.6		< 2.4		1.7		1.5		0.76		< 4.2		< 2.6		1.5		1		0.72		2.4		1.1		< 2.3
1634-04-4	Methyl Tert-Butyl Ether	VOC	62,000	< 6.7		< 10		< 4.7		< 6.5		< 5.2		< 6.0		< 8.3		< 5.1		< 9.7		< 4.5		< 4.8		< 12		< 8.6		< 4.6
91-20-3	Naphthalene	SVOC	100,000a		< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		130	
104-51-8	n-Butylbenzene	VOC	100,000a	< 3.4		< 5.1		< 250		< 3.3		< 250		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3
103-65-1	n-Propylbenzene	VOC	100,000a	< 3.4		< 5.1		< 250		< 3.3		< 250		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3
99-87-6	p-Isoproplytoluene	VOC	NA	< 3.4		< 5.1		< 250		< 3.3		< 250		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3
135-98-8	sec-Butylbenzene	VOC	100,000a	< 3.4		< 5.1		< 250		< 3.3		< 250		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3
100-42-5	Styrene	VOC	NA	< 3.4		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3
98-06-6	tert-Butylbenzene	VOC	100,000a	< 3.4		< 5.1		< 250		< 3.3		< 250		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3
75-65-0	Tertiary Butyl Alcohol	VOC	NA	< 67		< 100		< 47		< 65		< 52		< 60		< 83		< 51		< 97		< 45		< 48		< 120		< 86		< 46
127-18-4	Tetrachloroethene	VOC	5,500	< 3.4		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3
108-88-3	Toluene	VOC	100,000a	< 3.4		< 5.1		140		< 3.3		< 2.6		< 3.0		200		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3
1330-20-7	Total Xylenes	VOC	100,000a	< 3.4		< 5.1		< 250		< 3.3		< 2.6		< 3.0		550		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3
156-60-5	trans-1,2-Dichloroethene	VOC	100,000a	< 3.4		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3
79-01-6	Trichloroethene	VOC	10,000	< 3.4		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3
75-69-4	Trichlorofluoromethane	VOC	NA	< 3.4		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3
108-05-4	Vinyl Acetate	VOC	NA	< 34		< 51		< 24		< 33		< 26		< 30		< 42		< 26		< 49		< 23		< 24		< 59		< 43		< 23
75-01-4	Vinyl Chloride	VOC	210	< 3.4		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3

Table 2: Sample Results in Comparison with Part 375 Restricted Residential SCOs
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NYCRR 375 Residential	WC 34 2-3	WC 34 COMP	WC 35 1-2	WC 35 COMP	WC 36 2-3	WC 36 COMP	WC 37 4-5	WC 37 COMP	WC 38 1-2	WC 38 COMP	WC 39 2-3	WC 39 COMP	WC 40 1-2	WC 40 COMP	WC 41 1-2	WC 41 COMP	WC 42 1-2	WC 42 COMP	WC 43 1-2	WC 43 COMP	WC 44 1-2	WC 44 COMP	WC 45 2-3	WC 45 COMP	DUP WC 45 2-3	DUP WC 45 COMP	WC 46 2-3
	Lab Sample ID			BH70942	BH70943	BH69796	BH69797	BH68761	BH68762	BH70548	BH70549	BH70550	BH70551	BH70950	BH70951	BH69798	BH69799	BH68759	BH68760	BH70544	BH70545	BH70552	BH70553	BH70570	BH70571	BH70566	BH70567	BH70568	BH70569	BH68757
	Date			1/29/2015	1/29/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	1/29/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
87-68-3	Hexachlorobutadiene	SVOC	NA		< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270	
122-66-7	1,2- Diphenylhydrazine	SVOC	NA		< 360		< 380		< 380		< 360		< 1800		< 370		< 370		< 1800		< 700		< 370		< 370		< 370		< 380	
120-82-1	1,2,4-Trichlorobenzene	VOC	NA	< 3.4		< 5.1		< 250		< 3.3		< 250		< 3.0		< 640		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3
95-94-3	1,2,4,5-Tetrachlorobenzene	SVOC	NA		< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270	
58-90-2	2,3,4,6-Tetrachlorophenol	SVOC	NA		< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270	
95-95-4	2,4,5-Trichlorophenol	SVOC	100000		< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270	
88-06-2	2,4,6-Trichlorophenol	SVOC	NA		< 150		< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150	
102-83-2	2,4-Dichlorophenol	SVOC	100000		< 150		< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150	
105-67-9	2,4-Dimethylphenol	SVOC	NA		< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270	
51-28-5	2,4-Dinitrophenol	SVOC	100000		< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270	
121-14-2	2,4-Dinitrotoluene	SVOC	NA		< 150		< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150	
606-20-2	2,6-Dinitrotoluene	SVOC	1030		< 150		< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150	
91-58-7	2-Chloronaphthalene	SVOC	NA		< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270	
95-57-8	2-Chlorophenol	SVOC	100000		< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270	
91-57-6	2-Methylnaphthalene	SVOC	410		< 250		< 260		< 260		< 250		< 1200		< 260		120		< 1200		< 510		< 260		< 260		< 260		120	
95-48-7	2-Methylphenol	SVOC	100,000a		< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 330		< 260		< 260		< 260		< 270	
88-74-4	2-Nitroaniline	SVOC	NA		< 1800		< 1900		< 1900		< 1800		< 8900		< 1900		< 1900		< 8800		< 3600		< 1800		< 1900		< 1900		< 1900	
88-75-5	2-Nitrophenol	SVOC	NA		< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270	
91-94-1	3,3-Dichlorobenzidine	SVOC	NA		< 150		< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150	
99-09-2	3-Nitroaniline	SVOC	NA		< 1800		< 1900		< 1900		< 1800		< 8900		< 1900		< 1900		< 8800		< 3600		< 1800		< 1900		< 1900		< 1900	
534-52-1	4,6-Dinitro-2-methylphenol	SVOC	NA		< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270	
59-50-7	4-Chloro-3-methylphenol	SVOC	NA		< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270	
106-47-8	4-Chloroaniline	SVOC	100000		< 730		< 750		< 760		< 720		< 3600		< 750		< 750		< 3500		< 1500		< 730		< 750		< 750		< 760	
100-01-6	4-Nitroaniline	SVOC	NA		< 1800		< 1900		< 1900		< 1800		< 8900		< 1900		< 1900		< 8800		< 3600		< 1800		< 1900		< 1900		< 1900	
100-02-7	4-Nitrophenol	SVOC	NA		< 1800		< 1900		< 1900		< 1800		< 8900		< 1900		< 1900		< 8800		< 3600		< 1800		< 1900		< 1900		< 1900	
83-32-9	Acenaphthene	SVOC	100,000a		< 250		< 260		< 260		< 250		< 1200		440		< 260		< 1200		< 510		< 260		< 260		< 260		< 270	
208-96-8	Acenaphthylene	SVOC	100,000a		< 150		< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150	
98-86-2	Acetophenone	SVOC	NA		< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270	
62-53-3	Aniline	SVOC	48000		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330	
120-12-7	Anthracene	SVOC	100,000a		< 250		< 260		< 260		< 250		< 1200		1200		< 260		810		< 510		< 260		300		< 260		250	
1912-24-9	Atrazine	SVOC	NA		< 150		< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150	
100-52-7	Benzaldehyde	SVOC	NA		< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270	
56-55-3	Benzo-a-Anthracene	SVOC	1,000f		130		330		490		190		620		3100		190		5000		< 510		< 260		830		180		710	
50-32-8	Benzo-a-Pyrene	SVOC	1,000f		130		400		530		190		< 710		2500		200		4300		< 200		< 150		780		180		640	
205-99-2	Benzo-b-Fluoranthene	SVOC	1,000f		200		490		680		260		650		4200		270		5800		300		130		1100		270		930	
207-08-9	Benzo-k-Fluoranthene	SVOC	1,000		< 250		190		230		< 250		< 1200		1300		< 260		2000		< 510		< 260		380		< 260		330	
191-24-2	Benzo-g,h,i-Perylene	SVOC	100,000a		< 250		400		390		< 250		< 1200		640		160		2000		< 510		< 260		390		120		350	
65-85-0	Benzoic Acid	SVOC	100000		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330	
100-51-6	Benzyl Alcohol	SVOC	NA		< 360		< 380		< 380		< 360		< 1800		< 370		< 370		< 1800		< 730		< 370		< 370		< 370		< 380	
111-44-4	Bis(2-Chloroethyl)ether	SVOC	NA		< 150		< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150	
108-60-1	Bis(2-Chloroisopropyl)ether	SVOC	NA		< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270	
117-81-7	Bis(2-Ethylhexyl)Phthalate	SVOC	50000		< 250		< 260		< 260		< 250		< 1200		940		< 260		< 1200		< 510		< 260		< 260		< 260		< 270	
85-68-7	Butylbenzylphthalate	SVOC	100000		< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270	
105-60-2	Caprolactam	SVOC	NA		< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270	
86-74-8	Carbazole	SVOC	NA		< 1800		< 1900		< 1900		< 1800		< 8900		820		< 1900		< 8800		< 3600		< 1800		< 1900		< 1900		< 1900	
218-01-9	Chrysene	SVOC	1,000f		170		420		550		220		620		2800		230		4800		< 510		< 260		910		230		840	
75-99-0	Dalapon	SVOC	NA		< 46		< 48		< 47		< 46		< 45		< 48		< 46		< 45		< 46		< 46		< 46		< 47		< 47	
132-64-9	Dibenzofuran	SVOC	14,000		< 250		< 260		< 260		< 250		< 1200		240		< 260		< 1200		< 510		< 260		< 260		< 260		< 270	
53-70-3	Dibenzo-a,h-Anthracene	SVOC	330e		< 150		< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 200		< 150		< 150		< 150		< 150	
84-66-2	Diethyl Phthalate	SVOC	100000		< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270	
131-11-3	Dimethyl Phthalate	SVOC	100000		< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270	
84-74-2	Di-n-Butyl Phthalate	SVOC	100000		< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270	
117-84-0	Di-n-Octyl Phthalate	SVOC	100000		< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270	
206-44-0	Fluoranthene	SVOC	100,000a		200		530		880		330		1300		5500		340		7200		480		180		1500		410		1800	
86-73-7	Fluorene	SVOC	100,000a		< 250		< 260		< 260		< 250		< 1200		420		< 260		< 1200		< 510		< 260		< 260		< 260		130	
118-74-1	Hexachlorobenzene	SVOC	410		< 150		< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150	
77-47-4	Hexachlorocyclopentadiene	SVOC	NA		< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270	
67-72-1	Hexachloroethane	SVOC	NA		< 150		< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150	
193-39-5	Indeno(1,2,3-cd)Pyrene	SVOC	500f		< 250		330		410		< 250		< 1200		620		140		2300		< 500		< 260		440		130		410	
78-59-1	Isophorone	SVOC	100000		< 150		< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150	
98-95-3	Nitrobenzene	SVOC	3700		< 150		< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150	
62-75-9	N-Nitrosodimethylamine	SVOC	NA		< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270	
621-64-7	N-Nitroso-di-n-Propylamine	SVOC	NA		< 150		< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 200		< 150		< 150		< 150		< 150	
86-30-6	N-Nitrosodiphenylamine	SVOC	NA		< 150		< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150	
87-86-5	Pentachlorophenol	SVOC	2,400		< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270	
85-01-8	Phenanthrene	SVOC	100,000a		180		550		730		260		800		4000		310		3000		280		130		960		260		1500	
108-95-2	Phenol	SVOC	100,000a		< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 330		< 260		< 260		< 260		< 270	
129-00-0	Pyrene	SVOC	100,000a		210		440		750		290		1200		4900		270		6200		460		160		1400		360		1400	

Table 2: Sample Results in Comparison with Part 375 Restricted Residential SCOs
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NYCRR 375 Residential	WC 34 2-3	WC 34 COMP	WC 35 1-2	WC 35 COMP	WC 36 2-3	WC 36 COMP	WC 37 4-5	WC 37 COMP	WC 38 1-2	WC 38 COMP	WC 39 2-3	WC 39 COMP	WC 40 1-2	WC 40 COMP	WC 41 1-2	WC 41 COMP	WC 42 1-2	WC 42 COMP	WC 43 1-2	WC 43 COMP	WC 44 1-2	WC 44 COMP	WC 45 2-3	WC 45 COMP	DUP WC 45 2-3	DUP WC 45 COMP	WC 46 2-3
	Lab Sample ID			BH70942	BH70943	BH69796	BH69797	BH68761	BH68762	BH70548	BH70549	BH70550	BH70551	BH70950	BH70951	BH69798	BH69799	BH68759	BH68760	BH70544	BH70545	BH70552	BH70553	BH70570	BH70571	BH70566	BH70567	BH70568	BH70569	BH68757
	Date			1/29/2015	1/29/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	1/29/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
93-76-5	2,4,5-T	HERBICIDE	100000		< 46		< 48		< 47		< 46		< 45		< 48		< 46		< 45		< 46		< 46		< 46		< 47		< 47	
93-72-1	2,4,5-TP Acid	PESTICIDE	58,000		< 46		< 48		< 47		< 46		< 45		< 48		< 46		< 45		< 46		< 46		< 46		< 47		< 47	
94-75-7	2,4-D	HERBICIDE	100000		< 46		< 48		< 47		< 46		< 45		< 48		< 46		< 45		< 46		< 46		< 46		< 47		< 47	
72-54-8	4,4-DDD	PESTICIDE	2,600		< 2.2		< 2.3		< 2.2		< 2.2		< 2.1		< 2.3		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2	
72-55-9	4,4-DDE	PESTICIDE	1,800		< 2.2		< 2.3		< 2.2		< 2.2		< 2.1		< 2.3		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2	
50-29-3	4,4-DDT	PESTICIDE	1,700		< 2.2		< 2.3		< 2.2		< 2.2		< 2.1		< 2.3		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2	
309-00-2	Aldrin	PESTICIDE	19		< 3.7		< 3.8		< 3.7		< 3.7		< 3.6		< 3.8		< 3.7		< 3.6		< 3.6		< 3.6		< 3.6		< 3.7		< 3.7	
319-84-6	alpha-BHC	PESTICIDE	97		< 7.4		< 7.6		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5	
5103-71-9	Alpha Chlordane	PESTICIDE	910		< 3.7		< 3.8		< 3.7		11		< 3.6		< 3.8		< 3.7		< 3.6		< 3.6		< 3.6		< 3.6		< 3.7		< 3.7	
12674-11-2	Aroclor 1016	PCB	NA		< 74		< 76		< 75		< 74		< 72		870		< 73		< 72		< 73		< 73		< 73		< 74		< 75	
1104-28-2	Aroclor 1221	PCB	NA		< 74		< 76		< 75		< 74		< 72		< 75		< 73		< 72		< 73		< 73		< 73		< 74		< 75	
11141-16-5	Aroclor 1232	PCB	NA		< 74		< 76		< 75		< 74		< 72		< 75		< 73		< 72		< 73		< 73		< 73		< 74		< 75	
53469-21-9	Aroclor 1242	PCB	NA		< 74		< 76		< 75		< 74		< 72		< 75		< 73		< 72		< 73		< 73		< 73		< 74		< 75	
12672-29-6	Aroclor 1248	PCB	NA		< 74		< 76		< 75		< 74		< 72		< 75		< 73		< 72		< 73		< 73		< 73		< 74		< 75	
11097-69-1	Aroclor 1254	PCB	NA		< 74		< 76		< 75		< 74		< 72		< 75		< 73		< 72		< 73		< 73		< 73		< 74		< 75	
11096-82-5	Aroclor 1260	PCB	NA		< 74		< 76		< 75		< 74		< 72		< 75		< 73		< 72		< 73		< 73		< 73		< 74		< 75	
11096-82-5	Aroclor 1262	PCB	NA		< 74		< 76		< 75		< 74		< 72		< 75		< 73		< 72		< 73		< 73		< 73		< 74		< 75	
37324-23-5	Aroclor 1268	PCB	NA		< 74		< 76		< 75		< 74		< 72		< 75		< 73		< 72		< 73		< 73		< 73		< 74		< 75	
319-85-7	beta-BHC	PESTICIDE	72		< 7.4		< 7.6		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5	
57-74-9	Chlordane	PESTICIDE	910		< 37		< 38		< 37		71		< 36		< 38		< 37		< 36		< 36		< 36		< 36		< 37		< 37	
319-86-8	delta-BHC	PESTICIDE	100,000a		< 7.4		< 7.6		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5	
1918-00-9	Dicamba	HERBICIDE	NA		< 93		< 96		< 94		< 92		< 90		< 96		< 93		< 89		< 93		< 93		< 92		< 94		< 95	
60-57-1	Dieldrin	PESTICIDE	39		< 3.7		< 3.8		< 3.7		< 3.7		< 3.6		< 3.8		< 3.7		< 3.6		< 3.6		< 3.6		< 3.6		< 3.7		< 3.7	
115-29-7	Endosulfan	PESTICIDE	NA		< 7.4		< 7.6		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5	
959-98-8	Endosulfan I	PESTICIDE	4,800i		< 7.4		< 7.6		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5	
33213-65-9	Endosulfan II	PESTICIDE	4,800i		< 7.4		< 7.6		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5	
1031-07-8	Endosulfan Sulfate	PESTICIDE	4,800i		< 7.4		< 7.6		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5	
72-20-8	Endrin	PESTICIDE	2,200		< 7.4		< 7.6		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5	
58-89-9	gamma-BHC	PESTICIDE	280		< 1.5		< 1.5		< 1.5		< 1.5		< 1.4		< 10		< 1.5		< 1.4		< 1.5		< 1.5		< 1.5		< 1.5		< 1.5	
5103-74-2	Gamma Chlordane	PESTICIDE	540		< 3.7		< 3.8		< 3.7		11		< 3.6		< 3.8		< 3.7		< 3.6		< 3.6		< 3.6		< 3.6		< 3.7		< 3.7	
76-44-8	Heptachlor	PESTICIDE	420		< 7.4		< 7.6		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5	
1024-57-3	Heptachlor Epoxide	PESTICIDE	77		< 7.4		< 7.6		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5	
72-43-5	Methoxychlor	PESTICIDE	100000		< 37		< 38		< 37		< 37		< 36		< 38		< 37		< 36		< 36		< 36		< 36		< 37		< 37	
56-38-2	Parathion	PESTICIDE	100000		< 360		< 380		< 380		< 5		< 5		< 370		< 370		< 350		< 5		< 5		< 5		< 5		< 5	
1336-36-3	Polychlorinated Biphenyls	PESTICIDE	1,000		0		0		0		0		0		870		0		0		0		0		0		0		0	
8001-35-2	Toxaphene	PESTICIDE	NA		< 150		< 150		< 150		< 150		< 140		< 150		< 150		< 140		< 150		< 150		< 150		< 150		< 150	
	Unit		*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
7429-90-5	Aluminum, Al	METAL	NA		3390		2850		2900		4000		5020		10100		2110		2130		5970		3690		2470		3150		1890	
7440-36-0	Antimony, Sb	METAL	NA		< 3.3		< 3.4		< 3.7		< 3.5		< 3.8		< 10		< 3.8		< 3.3		< 3.3		< 3.5		< 3.5		< 4.1		< 3.5	
7440-38-2	Arsenic, As	METAL	16f		4.3		5.1		4		2.6		5		4.5		2.2		2.6		4.9		2.3		3.1		3.5		4.2	
7440-39-3	Barium, Ba	METAL	350f		44.1		44.6		82.5		37.5		46.1		96.1		30.2		110		59.3		29.2		128		94.9		111	
7440-41-7	Beryllium, Be	METAL	14		0.32		0.3		< 0.30		< 0.28		0.31		0.35		< 0.31		< 0.26		0.34		< 0.28		< 0.28		< 0.32		< 0.28	
7440-43-9	Cadmium, Cd	METAL	2.5f		0.37		< 0.34		< 0.37		0.87		0.67		20.6		< 0.38		< 0.33		< 0.33		0.6		0.64		< 0.41		< 0.35	
7440-47-3	Chromium, Cr	METAL	NA		11.1		8.64		9.27		13.2		14.7		58.9		7.2		7.11		14.5		10.6		10.7		8.61		7.92	
18540-29-9	Chromium, hexavalent	METAL	22		< 0.44		< 0.47		< 0.45		< 0.43		< 0.42		1.14		< 0.45		< 0.43		< 0.45		< 0.45		< 0.45		< 0.45		< 0.46	
16065-83-1	Chromium, trivalent	METAL	36		11.1		8.64		9.27		13.2		14.7		57.8		7.2		7.11		14.5		10.6		10.7		8.61		7.92	
7440-48-4	Cobalt, Co	METAL	30000		4.44		4.19		4.14		4.26		6.14		4.65		1.9		1.8		4.81		3.44		2.34		2.79		2.38	
7440-50-8	Copper, Cu	METAL	270		18.5		17.6		23.2		21.7		55.2		59.9		11		25.5		16.2		14.4		73.1		39.1		31.9	
57-12-5	Cyanide	METAL	27		< 0.56		< 0.58		< 0.57		< 0.51		< 0.54		< 0.57		< 0.56		< 0.54		< 0.56		< 0.51		< 0.47		< 0.57		< 0.57	
7439-89-6	Iron, Fe	METAL	2000000		12100		7930		7140		8860		12300		15400		4820		4260		10800		8870		7540		5960		6210	
7439-92-1	Lead, Pb	METAL	400		50.9		35.2		188		65.4		88.5		712		72.6		212		57.8		41.8		253		207		212	
7439-96-5	Manganese, Mn	METAL	2,000f		138		110		114		136		333		217		54.7		61.8		234		113		101		98.2		64.1	
7439-97-6	Mercury, Hg	METAL	0.81j		0.1		0.65		0.1		0.05		0.09		0.4		0.08		0.42		0.21		0.07		0.48		0.53		0.18	
7440-02-0	Nickel, Ni	METAL	140		11		10.3		9.85		18.6		22.3		23.1		6.29		6.31		19.8		16.6		9.81		9.78		7.95	
7782-49-2	Selenium, Se	METAL	36		< 1.3		< 1.4		< 1.5		< 1.4		< 1.5		< 1.6		< 1.5		< 1.3		< 1.3		< 1.4		< 1.4		< 1.6		< 1.4	
7440-22-4	Silver, Ag	METAL	36		< 0.33		< 0.34		< 0.37		< 0.35		< 0.38		< 1.0		< 0.38		< 0.33		< 0.33		< 0.35		< 0.35		< 0.41		< 0.35	
7440-28-0	Thallium, Ti	METAL	NA		< 3.0		< 3.1		< 3.4		< 3.1		< 3.4		< 3.5		< 3.5		< 2.9		< 3.0		< 3.1		< 3.2		< 3.7		< 3.1	
7440-62-2	Vanadium, V	METAL	100000		14.6		11.3		12.6		13.1		20.2		25		6.69		7.51		17.5		11.2		9.11		12.7		9.61	
7440-66-6	Zinc, Zn	METAL	2,200		109		51		102		102		95.6		840		57.6		188		75.9		64.7		236		164		153	
	pH	pH	NA		10.51		9.48		10.52		9.48		9.11		11.2		9.01		11.09		10.29		11.73		9.03		9.02		8.91	
	TPH	TPH	NA		<54		<57		< 56		< 55		58		75		<56		< 53		< 55		< 55		< 55		< 57		< 56	

Notes: Shaded values indicate an exceedance of NYCRR 375 Residential

Notes
ug/kg = micrograms per kilogram (ppb)
mg/kg = milligrams per kilogram (ppm)
ug/L = micrograms per liter
mg/L = milligrams per liter

Table 2: Sample Results in Comparison with Part 375 Restricted Residential SCOs
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NYCRR 375 Residential	WC 46 COMP	WC 47 2-3	WC 47 COMP	WC 48 2-3	WC 48 COMP	WC 49 1-2	WC 49 COMP	WC 50 2-3	WC 50 COMP	WC 51 2-3	WC 51 COMP	DUP WC 51 2-3	DUP WC 51 COMP	WC 52 2-3 GRAB	WC 52 2-3 COMP	WC 53 6-7 GRAB	WC 53 COMP	WC 54 3-4 GRAB	WC 54 COMP	WC 55 2-3	WC 55 COMP	WC 56 4-5 GRAB	WC 56 COMP	WC 57 2-3	WC 57 COMP
	Lab Sample ID			BH68758	BH70546	BH70547	BH70542	BH70543	BH70560	BH70561	BH70558	BH70559	BH70554	BH70555	BH70556	BH70557	BH67409	BH67410	BH67413	BH67414	BH67415	BH67416	BH68755	BH68756	BH67411	BH67412	BH68753	BH68754
	Date			1/29/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/29/2015	1/29/2015	1/26/2015	1/26/2015	1/29/2015	1/29/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
630-20-6	1,1,1,2-Tetrachloroethane	VOC	NA		< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
71-55-6	1,1,1-Trichloroethane	VOC	100,000a		< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
79-34-5	1,1,2,2-Tetrachloroethane	VOC	35000		< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
79-00-5	1,1,2-Trichloroethane	VOC	NA		< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
92-52-4	1-1- Biphenyl	SVOC	NA	< 250		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
75-34-3	1,1-Dichloroethane	VOC	19,000		< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
75-35-4	1,1-Dichloroethene	VOC	100,000a		< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
95-63-6	1,2,4-Trimethylbenzene	VOC	47,000		< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 260		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
96-12-8	1,2-Dibromo-3-Chloropropane	VOC	NA		< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 80		< 80		< 2.6		< 2.3		< 260		< 80		< 260	
106-93-4	1,2-Dibromoethane	VOC	NA		< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
95-50-1	1,2-Dichlorobenzene	VOC	100,000a		< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 260		< 230		< 2.6		< 2.3		< 260		< 250		< 260	
107-06-2	1,2-Dichloroethane	VOC	2,300		< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
78-87-5	1,2-Dichloropropane	VOC	NA		< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
108-67-8	1,3,5-Trimethylbenzene	VOC	47,000		< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 260		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
541-73-1	1,3-Dichlorobenzene	VOC	17,000		< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 260		< 230		< 2.6		< 2.3		< 260		< 250		< 260	
106-46-7	1,4-Dichlorobenzene	VOC	9,800		< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 260		< 230		< 2.6		< 2.3		< 260		< 250		< 260	
123-91-1	1,4-Dioxane	VOC	9,800		< 44		< 67		< 49		< 48		< 65		< 70		< 54		< 51		< 45		< 49		< 56		< 5200	
78-93-3	2-Butanone	VOC	100,000a		< 13		< 20		< 15		< 14		< 20		< 21		< 16		< 15		< 14		< 15		< 17		< 1600	
108-10-1	4-Methyl-2-Pentanone	VOC	NA		< 11		< 17		< 12		< 12		< 16		< 18		< 14		< 13		< 11		< 12		< 14		< 1300	
67-64-1	Acetone	VOC	100,000a		< 22		< 34		5.7		6.1		< 33		< 35		< 27		< 26		< 23		< 25		< 28		< 2600	
107-02-8	Acrolein	VOC	NA		< 11		< 17		< 12		< 12		< 16		< 18		< 14		< 13		< 11		< 12		< 14		< 1300	
107-13-1	Acrylonitrile	VOC	NA		< 4.4		< 6.7		< 4.9		< 4.8		< 6.5		< 7.0		< 5.4		< 5.1		< 4.5		< 4.9		< 5.6		< 520	
71-43-2	Benzene	VOC	2,900		< 2.2		< 3.4		< 2.5		0.56		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
92-87-5	Benzidine	SVOC	NA	< 540		< 550		< 550		< 560		< 560		< 540		< 530		< 550		< 1100		< 550		< 550		< 600		< 560
74-97-5	Bromochloromethane	VOC	NA		< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
75-27-4	Bromodichloromethane	VOC	NA		< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
75-25-2	Bromoform	VOC	NA		< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
74-83-9	Bromomethane	VOC	NA		< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
75-15-0	Carbon Disulfide	VOC	100000		< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
56-23-5	Carbon Tetrachloride	VOC	1,400		< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
108-90-7	Chlorobenzene	VOC	100,000a		< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
124-48-1	Chlorodibromomethane	VOC	NA		< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
75-00-3	Chloroethane	VOC	100000		< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
67-66-3	Chloroform	VOC	10,000		< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		0.55		< 2.5		< 2.8		94	
74-87-3	Chloromethane	VOC	NA		< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
156-59-2	cis-1,2-Dichloroethene	VOC	59,000		< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
74-95-3	Dibromomethane	VOC	NA																									
75-71-8	Dichlorodifluoromethane	VOC	NA		< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
100-41-4	Ethylbenzene	VOC	30,000		< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
98-82-8	Isopropylbenzene	VOC	100000		< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 260		< 230		< 2.6		< 2.3		< 260		< 250		< 260	
75-09-2	Methylene Chloride	VOC	51,000		0.57		2		0.56		0.52		1		1.4		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		130	
1634-04-4	Methyl Tert-Butyl Ether	VOC	62,000		< 4.4		< 6.7		< 4.9		< 4.8		< 6.5		< 7.0		< 5.4		< 5.1		< 4.5		< 4.9		< 5.6		< 520	
91-20-3	Naphthalene	SVOC	100,000a	< 250		< 250		< 260		220		< 260		< 250		< 250		140		< 500		< 260		< 260		160		< 260
104-51-8	n-Butylbenzene	VOC	100,000a		< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 260		< 230		< 2.6		< 2.3		< 260		< 250		< 260	
103-65-1	n-Propylbenzene	VOC	100,000a		< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 260		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
99-87-6	p-Isoproplytoluene	VOC	NA		< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 260		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
135-98-8	sec-Butylbenzene	VOC	100,000a		< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 260		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
100-42-5	Styrene	VOC	NA		< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
98-06-6	tert-Butylbenzene	VOC	100,000a		< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 260		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
75-65-0	Tertiary Butyl Alcohol	VOC	NA		< 44		< 67		< 49		< 48		< 65		< 70		< 54		< 51		< 45		< 49		< 56		< 5200	
127-18-4	Tetrachloroethene	VOC	5,500		< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
108-88-3	Toluene	VOC	100,000a		< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		0.9		< 2.7		< 2.6		< 2.3		< 2.5		0.52		< 260	
1330-20-7	Total Xylenes	VOC	100,000a		< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
156-60-5	trans-1,2-Dichloroethene	VOC	100,000a		< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
79-01-6	Trichloroethene	VOC	10,000		< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
75-69-4	Trichlorofluoromethane	VOC	NA		< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
108-05-4	Vinyl Acetate	VOC	NA		< 22		< 34		< 25		< 24		< 33		< 35		< 27		< 26		< 23		< 25		< 28		< 2600	
75-01-4	Vinyl Chloride	VOC	210		< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	

Table 2: Sample Results in Comparison with Part 375 Restricted Residential SCOs
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NYCRR 375 Residential	WC 46 COMP	WC 47 2-3	WC 47 COMP	WC 48 2-3	WC 48 COMP	WC 49 1-2	WC 49 COMP	WC 50 2-3	WC 50 COMP	WC 51 2-3	WC 51 COMP	DUP WC 51 2-3	DUP WC 51 COMP	WC 52 2-3 GRAB	WC 52 2-3 COMP	WC 53 6-7 GRAB	WC 53 COMP	WC 54 3-4 GRAB	WC 54 COMP	WC 55 2-3	WC 55 COMP	WC 56 4-5 GRAB	WC 56 COMP	WC 57 2-3	WC 57 COMP
	Lab Sample ID			BH68758	BH70546	BH70547	BH70542	BH70543	BH70560	BH70561	BH70558	BH70559	BH70554	BH70555	BH70556	BH70557	BH67409	BH67410	BH67413	BH67414	BH67415	BH67416	BH68755	BH68756	BH67411	BH67412	BH68753	BH68754
	Date			1/29/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/29/2015	1/29/2015	1/26/2015	1/26/2015	1/29/2015	1/29/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
87-68-3	Hexachlorobutadiene	SVOC	NA	< 250		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
122-66-7	1,2- Diphenylhydrazine	SVOC	NA	< 360		< 360		< 360		< 370		< 370		< 360		< 360		< 370		< 710		< 370		< 370		< 400		< 370
120-82-1	1,2,4-Trichlorobenzene	VOC	NA		< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 260		< 230		< 2.6		< 2.3		< 260		< 250		< 260	
95-94-3	1,2,4,5-Tetrachlorobenzene	SVOC	NA	< 250		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
58-90-2	2,3,4,6-Tetrachlorophenol	SVOC	NA	< 250		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
95-95-4	2,4,5-Trichlorophenol	SVOC	100000	< 250		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
88-06-2	2,4,6-Trichlorophenol	SVOC	NA	< 140		< 150		< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
102-83-2	2,4-Dichlorophenol	SVOC	100000	< 140		< 150		< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
105-67-9	2,4-Dimethylphenol	SVOC	NA	< 250		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
51-28-5	2,4-Dinitrophenol	SVOC	100000	< 250		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
121-14-2	2,4-Dinitrotoluene	SVOC	NA	< 140		< 150		< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
606-20-2	2,6-Dinitrotoluene	SVOC	1030	< 140		< 150		< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
91-58-7	2-Chloronaphthalene	SVOC	NA	< 250		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
95-57-8	2-Chlorophenol	SVOC	100000	< 250		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
91-57-6	2-Methylnaphthalene	SVOC	410	< 250		< 250		< 260		140		< 260		< 250		< 250		160		< 500		< 260		< 260		250		< 260
95-48-7	2-Methylphenol	SVOC	100,000a	< 250		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
88-74-4	2-Nitroaniline	SVOC	NA	< 1800		< 1800		< 1800		< 1900		< 1900		< 1800		< 1800		< 1800		< 3600		< 1800		< 1800		< 2000		< 1900
88-75-5	2-Nitrophenol	SVOC	NA	< 250		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
91-94-1	3,3-Dichlorobenzidine	SVOC	NA	< 140		< 150		< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
99-09-2	3-Nitroaniline	SVOC	NA	< 1800		< 1800		< 1800		< 1900		< 1900		< 1800		< 1800		< 1800		< 3600		< 1800		< 1800		< 2000		< 1900
534-52-1	4,6-Dinitro-2-methylphenol	SVOC	NA	< 250		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
59-50-7	4-Chloro-3-methylphenol	SVOC	NA	< 250		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
106-47-8	4-Chloroaniline	SVOC	100000	< 720		< 730		< 730		< 740		< 740		< 720		< 710		< 730		< 1400		< 740		< 740		< 790		< 740
100-01-6	4-Nitroaniline	SVOC	NA	< 1800		< 1800		< 1800		< 1900		< 1900		< 1800		< 1800		< 1800		< 3600		< 1800		< 1800		< 2000		< 1900
100-02-7	4-Nitrophenol	SVOC	NA	< 1800		< 1800		< 1800		< 1900		< 1900		< 1800		< 1800		< 1800		< 3600		< 1800		< 1800		< 2000		< 1900
83-32-9	Acenaphthene	SVOC	100,000a	< 250		< 250		180		< 260		120		< 250		< 250		140		< 500		< 260		< 260		< 280		< 260
208-96-8	Acenaphthylene	SVOC	100,000a	< 140		< 150		< 150		< 150		< 150		< 140		< 140		170		< 280		< 150		< 150		< 160		< 150
98-86-2	Acetophenone	SVOC	NA	< 250		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
62-53-3	Aniline	SVOC	48000	< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330
120-12-7	Anthracene	SVOC	100,000a	< 250		130		480		< 260		530		< 250		< 250		350		< 500		< 260		< 260		< 280		< 260
1912-24-9	Atrazine	SVOC	NA	< 140		< 150		< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
100-52-7	Benzaldehyde	SVOC	NA	< 250		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
56-55-3	Benzo-a-Anthracene	SVOC	1,000f	140		340		1200		320		790		< 250		< 250		1500		270		< 260		< 260		240		< 260
50-32-8	Benzo-a-Pyrene	SVOC	1,000f	130		300		930		380		800		130		130		1300		270		< 150		< 150		210		< 150
205-99-2	Benzo-b-Fluoranthene	SVOC	1,000f	190		410		1200		520		1200		220		220		2200		430		130		< 260		340		< 260
207-08-9	Benzo-k-Fluoranthene	SVOC	1,000	< 250		160		440		220		410		< 250		< 250		940		< 500		< 260		< 260		150		< 260
191-24-2	Benzo-g,h,i-Perylene	SVOC	100,000a	< 250		140		490		300		230		< 250		< 250		390		< 500		< 260		< 260		< 280		< 260
65-85-0	Benzoic Acid	SVOC	100000	< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330
100-51-6	Benzyl Alcohol	SVOC	NA	< 360		< 360		< 360		< 370		< 370		< 360		< 360		< 370		< 710		< 370		< 370		< 400		< 370
111-44-4	Bis(2-Chloroethyl)ether	SVOC	NA	< 140		< 150		< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
108-60-1	Bis(2-Chloroisopropyl)ether	SVOC	NA	< 250		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
117-81-7	Bis(2-Ethylhexyl)Phthalate	SVOC	50000	< 250		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
85-68-7	Butylbenzylphthalate	SVOC	100000	< 250		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
105-60-2	Caprolactam	SVOC	NA	< 250		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
86-74-8	Carbazole	SVOC	NA	< 1800		< 1800		< 1800		< 1900		< 1900		< 1800		< 1800		< 1800		< 3600		< 1800		< 1800		< 2000		< 1900
218-01-9	Chrysene	SVOC	1,000f	160		370		1200		490		1000		190		170		1700		300		< 260		< 260		270		< 260
75-99-0	Dalapon	SVOC	NA	< 45		< 47		< 45		< 47		< 47		< 46		< 45		< 46		< 45		< 47		< 46		< 50		< 47
132-64-9	Dibenzofuran	SVOC	14,000	< 250		< 250		< 260		< 260		< 260		< 250		< 250		130		< 500		< 260		< 260		< 280		< 260
53-70-3	Dibenzo-a,h-Anthracene	SVOC	330e	< 140		< 150		120		< 150		< 150		< 140		< 140		120		< 280		< 150		< 150		< 160		< 150
84-66-2	Diethyl Phthalate	SVOC	100000	< 250		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
131-11-3	Dimethyl Phthalate	SVOC	100000	< 250		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
84-74-2	Di-n-Butyl Phthalate	SVOC	100000	< 250		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
117-84-0	Di-n-Octyl Phthalate	SVOC	100000	< 250		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
206-44-0	Fluoranthene	SVOC	100,000a	230		690		2600		1200		1600		310		290		2500		370		150		< 260		330		< 260
86-73-7	Fluorene	SVOC	100,000a	< 250		< 250		180		150		230		< 250		< 250		150		< 500		< 260		< 260		< 280		< 260
118-74-1	Hexachlorobenzene	SVOC	410	< 140		< 150		< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
77-47-4	Hexachlorocyclopentadiene	SVOC	NA	< 250		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
67-72-1	Hexachloroethane	SVOC	NA	< 140		< 150		< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
193-39-5	Indeno(1,2,3-cd)Pyrene	SVOC	500f	< 250		160		530		260		< 260		< 250		< 250		500		< 500		< 260		< 260		< 280		< 260
78-59-1	Isophorone	SVOC	100000	< 140		< 150		< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
98-95-3	Nitrobenzene	SVOC	3700	< 140		< 150		< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
62-75-9	N-Nitrosodimethylamine	SVOC	NA	< 250		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
621-64-7	N-Nitroso-di-n-Propylamine	SVOC	NA	< 140		< 150		< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
86-30-6	N-Nitrosodiphenylamine	SVOC	NA	< 140		< 150		< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
87-86-5	Pentachlorophenol	SVOC	2,400	< 250		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
85-01-8	Phenanthrene	SVOC	100,000a	180		520		2000		1200		2000		300		220		2500		< 280		110		< 150		390		< 150
108-95-2	Phenol	SVOC	100,000a	< 250		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
129-00-0	Pyrene	SVOC	100,000a	190		580		2100		1000		1100		240		220		2000		320		140		< 260		340		< 260

Table 2: Sample Results in Comparison with Part 375 Restricted Residential SCOs
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NYCRR 375 Residential	WC 46 COMP	WC 47 2-3	WC 47 COMP	WC 48 2-3	WC 48 COMP	WC 49 1-2	WC 49 COMP	WC 50 2-3	WC 50 COMP	WC 51 2-3	WC 51 COMP	DUP WC 51 2-3	DUP WC 51 COMP	WC 52 2-3 GRAB	WC 52 2-3 COMP	WC 53 6-7 GRAB	WC 53 COMP	WC 54 3-4 GRAB	WC 54 COMP	WC 55 2-3	WC 55 COMP	WC 56 4-5 GRAB	WC 56 COMP	WC 57 2-3	WC 57 COMP
	Lab Sample ID			BH68758	BH70546	BH70547	BH70542	BH70543	BH70560	BH70561	BH70558	BH70559	BH70554	BH70555	BH70556	BH70557	BH67409	BH67410	BH67413	BH67414	BH67415	BH67416	BH68755	BH68756	BH67411	BH67412	BH68753	BH68754
	Date			1/29/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/29/2015	1/29/2015	1/26/2015	1/26/2015	1/29/2015	1/29/2015
	Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
93-76-5	2,4,5-T	HERBICIDE	100000	< 45		< 47		< 45		< 47		< 47		< 46		< 45		< 46		< 45		< 47		< 46		< 50		< 47
93-72-1	2,4,5-TP Acid	PESTICIDE	58,000	< 45		< 47		< 45		< 47		< 47		< 46		< 45		< 46		< 45		< 47		< 46		< 50		< 47
94-75-7	2,4-D	HERBICIDE	100000	< 45		< 47		< 45		< 47		< 47		< 46		< 45		< 46		< 45		< 47		< 46		< 50		< 47
72-54-8	4,4-DDD	PESTICIDE	2,600	< 2.1		< 2.2		< 2.1		< 2.2		7.6		< 2.2		< 2.2		< 2.2		< 2.1		< 2.3		< 2.2		< 2.4		< 2.3
72-55-9	4,4-DDE	PESTICIDE	1,800	< 2.1		< 2.2		< 2.1		< 2.2		4		< 2.2		< 2.2		< 2.2		< 2.1		< 2.3		4.5		< 2.4		< 2.3
50-29-3	4,4-DDT	PESTICIDE	1,700	< 2.1		< 2.2		< 2.1		< 2.2		5.7		< 2.2		< 2.2		< 2.2		< 2.1		< 2.3		11		< 2.4		< 2.3
309-00-2	Aldrin	PESTICIDE	19	< 3.6		< 3.7		< 3.6		< 3.7		< 3.8		< 3.6		< 3.6		< 3.7		< 3.6		< 3.8		< 3.6		< 4.0		< 3.8
319-84-6	alpha-BHC	PESTICIDE	97	< 7.1		< 7.5		< 7.1		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
5103-71-9	Alpha Chlordane	PESTICIDE	910	< 3.6		< 3.7		< 3.6		< 3.7		< 3.8		< 3.6		< 3.6		< 3.7		< 3.6		< 3.8		< 3.6		< 4.0		< 3.8
12674-11-2	Aroclor 1016	PCB	NA	< 71		< 75		< 71		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
1104-28-2	Aroclor 1221	PCB	NA	< 71		< 75		< 71		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
11141-16-5	Aroclor 1232	PCB	NA	< 71		< 75		< 71		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
53469-21-9	Aroclor 1242	PCB	NA	< 71		< 75		< 71		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
12672-29-6	Aroclor 1248	PCB	NA	< 71		< 75		< 71		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
11097-69-1	Aroclor 1254	PCB	NA	< 71		< 75		< 71		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
11096-82-5	Aroclor 1260	PCB	NA	< 71		< 75		< 71		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
11096-82-5	Aroclor 1262	PCB	NA	< 71		< 75		< 71		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
37324-23-5	Aroclor 1268	PCB	NA	< 71		< 75		< 71		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
319-85-7	beta-BHC	PESTICIDE	72	< 7.1		< 7.5		< 7.1		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
57-74-9	Chlordane	PESTICIDE	910	< 36		< 37		< 36		< 37		< 38		< 36		< 36		< 37		< 36		< 38		< 36		< 40		< 38
319-86-8	delta-BHC	PESTICIDE	100,000a	< 7.1		< 7.5		< 7.1		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
1918-00-9	Dicamba	HERBICIDE	NA	< 90		< 93		< 91		< 94		< 94		< 91		< 90		< 92		< 89		< 94		< 92		< 99		< 93
60-57-1	Dieldrin	PESTICIDE	39	< 3.6		< 3.7		< 3.6		< 3.7		< 3.8		< 3.6		< 3.6		< 3.7		< 3.6		< 3.8		< 3.6		< 4.0		< 3.8
115-29-7	Endosulfan	PESTICIDE	NA	< 7.1		< 7.5		< 7.1		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
959-98-8	Endosulfan I	PESTICIDE	4,800i	< 7.1		< 7.5		< 7.1		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
33213-65-9	Endosulfan II	PESTICIDE	4,800i	< 7.1		< 7.5		< 7.1		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
1031-07-8	Endosulfan Sulfate	PESTICIDE	4,800i	< 7.1		< 7.5		< 7.1		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
72-20-8	Endrin	PESTICIDE	2,200	< 7.1		< 7.5		< 7.1		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
58-89-9	gamma-BHC	PESTICIDE	280	< 1.4		< 1.5		< 1.4		< 1.5		< 1.5		< 1.5		< 1.5		< 1.5		< 1.4		< 1.5		< 1.5		< 1.6		< 1.5
5103-74-2	Gamma Chlordane	PESTICIDE	540	< 3.6		< 3.7		< 3.6		< 3.7		< 3.8		< 3.6		< 3.6		< 3.7		< 3.6		< 3.8		< 3.6		< 4.0		< 3.8
76-44-8	Heptachlor	PESTICIDE	420	< 7.1		< 7.5		< 7.1		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
1024-57-3	Heptachlor Epoxide	PESTICIDE	77	< 7.1		< 7.5		< 7.1		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
72-43-5	Methoxychlor	PESTICIDE	100000	< 36		< 37		< 36		< 37		< 38		< 36		< 36		< 37		< 36		< 38		< 36		< 40		< 38
56-38-2	Parathion	PESTICIDE	100000	< 360		< 5		< 5		< 370		< 5		< 5		< 5		< 330		< 330		< 330		< 370		< 330		< 370
1336-36-3	Polychlorinated Biphenyls	PESTICIDE	1,000	0		0		0		0		0		0		0		0		0		0		0		0		0
8001-35-2	Toxaphene	PESTICIDE	NA	< 140		< 150		< 140		< 150		< 150		< 150		< 150		< 150		< 140		< 150		< 150		< 160		< 150
	Unit		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
7429-90-5	Aluminum, Al	METAL	NA	2150		6880		7110		8340		3250		1380		1330		3190		3180		2110		1360		1830		1990
7440-36-0	Antimony, Sb	METAL	NA	< 3.7		< 3.5		< 3.4		< 3.5		< 3.5		< 3.5		< 3.4		< 3.8		< 3.8		< 3.7		< 3.7		< 4.2		< 3.9
7440-38-2	Arsenic, As	METAL	16f	2.1		3.9		4.8		4.2		3.5		1.3		2.4		3.5		3.2		2.1		1		4.6		1
7440-39-3	Barium, Ba	METAL	350f	38.7		244		154		58.4		53.4		606		780		284		71.1		40.8		11.3		147		19.9
7440-41-7	Beryllium, Be	METAL	14	< 0.30		0.9		0.43		0.5		< 0.28		< 0.28		< 0.27		< 0.31		< 0.31		< 0.30		< 0.29		< 0.34		< 0.31
7440-43-9	Cadmium, Cd	METAL	2.5f	< 0.37		0.4		< 0.34		< 0.35		< 0.35		< 0.35		0.52		< 0.38		< 0.38		0.37		< 0.37		1.16		< 0.39
7440-47-3	Chromium, Cr	METAL	NA	7.2		15.6		15.9		20.9		15.6		7.87		7.22		18.6		14		6.77		4.66		9.58		5.44
18540-29-9	Chromium, hexavalent	METAL	22	< 0.43		< 0.45		< 0.46		< 0.44		< 0.45		0.56		0.81		2.21		< 0.43		< 0.45		< 0.44		< 0.46		< 0.45
16065-83-1	Chromium, trivalent	METAL	36	7.2		15.6		15.9		20.9		15.6		7.31		6.41		16.4		14		6.77		4.66		9.58		5.44
7440-48-4	Cobalt, Co	METAL	30000	1.92		6.34		9.25		7.53		4.02		1.36		1.61		3.46		3.31		2.17		1.27		2.71		2.91
7440-50-8	Copper, Cu	METAL	270	18.4		35.8		24.4		20.6		21.2		7.54		11.1		22.2		32.6		17.9		4.06		27.1		7.35
57-12-5	Cyanide	METAL	27	< 0.49		< 0.56		< 0.55		< 0.57		< 0.52		< 0.46		< 0.50		1.42		< 0.49		< 0.57		< 0.51		4.6		< 0.52
7439-89-6	Iron, Fe	METAL	2000000	4600		10900		16200		14200		9190		3060		4790		8670		6280		10400		2720		20200		3660
7439-92-1	Lead, Pb	METAL	400	84.8		70.4		53.4		72.4		162		306		566		370		161		91.6		35.7		373		16.2
7439-96-5	Manganese, Mn	METAL	2,000f	66.5		247		223		212		151		44.5		77.6		124		102		94.8		34.8		169		66.1
7439-97-6	Mercury, Hg	METAL	0.81j	0.2		0.09		0.07		0.08		0.11		0.04		0.09		0.18		0.22		0.85		< 0.03		0.25		0.05
7440-02-0	Nickel, Ni	METAL	140	6.11		29.3		58.7		35		21.1		3.71		4.19		10.1		9.04		8.46		4.28		8.5		6.22
7782-49-2	Selenium, Se	METAL	36	< 1.5		< 1.4		< 1.4		< 1.4		< 1.4		< 1.4		< 1.4		< 1.5		< 1.5		< 1.5		< 1.5		< 1.7		< 1.6
7440-22-4	Silver, Ag	METAL	36	< 0.37		< 0.35		< 0.34		< 0.35		< 0.35		< 0.35		< 0.34		< 0.38		< 0.38		< 0.37		< 0.37		< 0.42		< 0.39
7440-28-0	Thallium, Ti	METAL	NA	< 3.4		< 3.2		< 3.1		< 3.1		< 3.2		< 3.1		< 3.1		< 3.5		< 3.4		< 3.4		< 3.3		< 3.8		< 3.5
7440-62-2	Vanadium, V	METAL	100000	7.57		20.4		21.6		26.8		26.3		4.93		4.7		11.8		14.2		6.5		5.22		6.04		7.68
7440-66-6	Zinc, Zn	METAL	2,200	84.3		79.3		69.2		61.5		114		406		601		277		160		103		28.3		434		30.8
	pH	pH	NA	10.92		9.2		8.62		7.69		8.55		9.64		8.65		8.52		9.51		8.97		10.54		8.45		11.44
	TPH	TPH	NA	< 53		< 55		< 54		< 56		850		< 53		< 54		< 55		< 53		< 56		< 54		< 59		< 56

Notes: Shaded values indicate an exceedance of NYCRR 375 Residential

Notes
ug/kg = micrograms per kilogram (ppb)
mg/kg = milligrams per kilogram (ppm)
ug/L = micrograms per liter
mg/L = milligrams per liter

Table 3: Sample Results in Comparison with NJ RDCSRS
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NJ RDCSRS	WC 1 1-2	WC 1 COMP	WC 2 2-3	WC 2 COMP	WC 3 3-4	WC 3 COMP	WC 4 1-2	WC 4 COMP	WC 5 1-2	WC 5 COMP	WC 6 1-2	WC 6 COMP	DUP WC6 1-2	DUP WC6 COMP	WC 7 1-2	WC 7 COMP	WC 8 1-2	WC 8 COMP	WC 9 2-3	WC 9 COMP	WC 10 1-2	WC 10 COMP
	Lab Sample ID			BH68767	BH68768	BH69277	BH69278	BH69279	BH69280	BH69281	BH69282	BH69283	BH69284	BH70944	BH70945	BH70936	BH70937	BH70946	BH70947	BH68769	BH68770	BH69285	BH69286	BH69287	BH69288
	Date			1/29/2015	1/29/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	2/3/2015	2/3/2015	2/5/2015	2/5/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
630-20-6	1,1,1,2-Tetrachloroethane	VOC	NA	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
71-55-6	1,1,1-Trichloroethane	VOC	290,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
79-34-5	1,1,2,2-Tetrachloroethane	VOC	1,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
79-00-5	1,1,2-Trichloroethane	VOC	2,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
92-52-4	1-1- Biphenyl	SVOC	3,100,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
75-34-3	1,1-Dichloroethane	VOC	8,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
75-35-4	1,1-Dichloroethene	VOC	11,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
95-63-6	1,2,4-Trimethylbenzene	VOC	NA	< 5.0		< 4.6		< 4.6		< 5.4		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
96-12-8	1,2-Dibromo-3-Chloropropane	VOC	80	< 5.0		< 4.6		< 4.6		< 280		< 280		< 3.6		< 3.3		< 2.5		< 2.5		< 250		< 4.1	
106-93-4	1,2-Dibromoethane	VOC	8	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
95-50-1	1,2-Dichlorobenzene	VOC	5,300,000	< 5.0		< 4.6		< 4.6		< 280		< 280		< 3.6		< 3.3		< 2.5		< 2.5		< 250		< 4.1	
107-06-2	1,2-Dichloroethane	VOC	900	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
78-87-5	1,2-Dichloropropane	VOC	2,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
108-67-8	1,3,5-Trimethylbenzene	VOC	NA	< 5.0		< 4.6		< 4.6		< 5.4		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
541-73-1	1,3-Dichlorobenzene	VOC	5,300,000	< 5.0		< 4.6		< 4.6		< 280		< 280		< 3.6		< 3.3		< 2.5		< 2.5		< 250		< 4.1	
106-46-7	1,4-Dichlorobenzene	VOC	5,000	< 5.0		< 4.6		< 4.6		< 280		< 280		< 3.6		< 3.3		< 2.5		< 2.5		< 250		< 4.1	
123-91-1	1,4-Dioxane	VOC	NA	< 100		< 92		< 92		< 100		< 130		< 72		< 65		< 49		< 50		< 74		< 81	
78-93-3	2-Butanone	VOC	3,100,000	5.1		6.3		< 28		< 30		< 39		4.2		< 20		< 15		< 15		< 22		< 24	
108-10-1	4-Methyl-2-Pentanone	VOC	NA	< 25		< 23		< 23		< 25		< 32		< 18		< 16		< 12		< 13		< 19		< 20	
67-64-1	Acetone	VOC	70,000,000	18		22		< 46		< 50		< 65		16		10		2.9		< 25		< 37		< 41	
107-02-8	Acrolein	VOC	500	< 25		< 23		< 23		< 25		< 32		< 18		< 16		< 12		< 13		< 19		< 20	
107-13-1	Acrylonitrile	VOC	900	< 10		< 9.2		< 9.2		< 10		< 13		< 7.2		< 6.5		< 4.9		< 5.0		< 7.4		< 8.1	
71-43-2	Benzene	VOC	2,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
92-87-5	Benzidine	SVOC	700		< 570		< 570		< 520		< 530		< 520		< 530		< 530		< 530		< 550		< 570		< 550
74-97-5	Bromochloromethane	VOC	NA	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
75-27-4	Bromodichloromethane	VOC	1,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
75-25-2	Bromoform	VOC	81,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
74-83-9	Bromomethane	VOC	25,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
75-15-0	Carbon Disulfide	VOC	7,800,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		1.8		0.71		< 2.5		< 2.5		< 3.7		< 4.1	
56-23-5	Carbon Tetrachloride	VOC	600	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
108-90-7	Chlorobenzene	VOC	510,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		0.82		< 2.5		< 3.7		< 4.1	
124-48-1	Chlorodibromomethane	VOC	3,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
75-00-3	Chloroethane	VOC	220,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
67-66-3	Chloroform	VOC	600	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
74-87-3	Chloromethane	VOC	4,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
156-59-2	cis-1,2-Dichloroethene	VOC	230,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
74-95-3	Dibromomethane	VOC	NA																						
75-71-8	Dichlorodifluoromethane	VOC	490,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
100-41-4	Ethylbenzene	VOC	7,800,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
98-82-8	Isopropylbenzene	VOC	NA	< 5.0		< 4.6		< 4.6		< 280		< 280		< 3.6		< 3.3		< 2.5		< 2.5		< 250		< 4.1	
75-09-2	Methylene Chloride	VOC	34,000	0.91		1.5		1.8		1.7		1.1		0.99		0.9		1.1		0.65		< 3.7		0.98	
1634-04-4	Methyl Tert-Butyl Ether	VOC	110,000	< 10		< 9.2		< 9.2		< 10		< 13		< 7.2		< 6.5		< 4.9		< 5.0		< 7.4		< 8.1	
91-20-3	Naphthalene	SVOC	6,000		< 260		< 270		< 240		< 250		110		< 250		< 250		< 250		< 260		< 270		< 260
104-51-8	n-Butylbenzene	VOC	NA	< 5.0		< 4.6		< 4.6		< 5.4		< 280		< 3.6		< 3.3		< 2.5		< 2.5		< 250		< 4.1	
103-65-1	n-Propylbenzene	VOC	NA	< 5.0		< 4.6		< 4.6		< 5.4		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
99-87-6	p-Isoproplytoluene	VOC	NA	< 5.0		< 4.6		< 4.6		< 5.4		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
135-98-8	sec-Butylbenzene	VOC	NA	< 5.0		< 4.6		< 4.6		< 5.4		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
100-42-5	Styrene	VOC	90,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
98-06-6	tert-Butylbenzene	VOC	NA	< 5.0		< 4.6		< 4.6		< 5.4		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
75-65-0	Tertiary Butyl Alcohol	VOC	1,400,000	< 100		< 92		< 92		< 100		< 130		< 72		< 65		< 49		< 50		< 74		< 81	
127-18-4	Tetrachloroethene	VOC	2,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
108-88-3	Toluene	VOC	6,300,000	< 5.0		< 4.6		< 4.6		0.9		68		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
1330-20-7	Total Xylenes	VOC	12,000,000	< 5.0		< 4.6		< 4.6		< 5.0		< 280		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
156-60-5	trans-1,2-Dichloroethene	VOC	300,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
79-01-6	Trichloroethene	VOC	7,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
75-69-4	Trichlorofluoromethane	VOC	23,000,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
108-05-4	Vinyl Acetate	VOC	NA	< 50		< 46		< 46		< 50		< 65		< 36		< 33		< 25		< 25		< 37		< 41	
75-01-4	Vinyl Chloride	VOC	700	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	

Table 3: Sample Results in Comparison with NJ RDCSRS
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NJ RDCSRS	WC 1 1-2	WC 1 COMP	WC 2 2-3	WC 2 COMP	WC 3 3-4	WC 3 COMP	WC 4 1-2	WC 4 COMP	WC 5 1-2	WC 5 COMP	WC 6 1-2	WC 6 COMP	DUP WC6 1-2	DUP WC6 COMP	WC 7 1-2	WC 7 COMP	WC 8 1-2	WC 8 COMP	WC 9 2-3	WC 9 COMP	WC 10 1-2	WC 10 COMP
	Lab Sample ID			BH68767	BH68768	BH69277	BH69278	BH69279	BH69280	BH69281	BH69282	BH69283	BH69284	BH70944	BH70945	BH70936	BH70937	BH70946	BH70947	BH68769	BH68770	BH69285	BH69286	BH69287	BH69288
	Date			1/29/2015	1/29/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	2/3/2015	2/3/2015	2/5/2015	2/5/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
87-68-3	Hexachlorobutadiene	SVOC	6,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
122-66-7	1,2- Diphenylhydrazine	SVOC	700		< 380		< 380		< 340		< 360		< 350		< 350		< 350		< 360		< 370		< 380		< 370
120-82-1	1,2,4-Trichlorobenzene	VOC	73,000	< 5.0		< 4.6		< 4.6		< 280		< 280		< 3.6		< 3.3		< 2.5		< 2.5		< 250		< 4.1	
95-94-3	1,2,4,5-Tetrachlorobenzene	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
58-90-2	2,3,4,6-Tetrachlorophenol	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
95-95-4	2,4,5-Trichlorophenol	SVOC	6,100,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
88-06-2	2,4,6-Trichlorophenol	SVOC	19,000		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150
102-83-2	2,4-Dichlorophenol	SVOC	NA		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150
105-67-9	2,4-Dimethylphenol	SVOC	1,200,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
51-28-5	2,4-Dinitrophenol	SVOC	120,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
121-14-2	2,4-Dinitrotoluene	SVOC	700		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150
606-20-2	2,6-Dinitrotoluene	SVOC	700		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150
91-58-7	2-Chloronaphthalene	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
95-57-8	2-Chlorophenol	SVOC	310,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
91-57-6	2-Methylnaphthalene	SVOC	230,000		< 260		250		< 240		< 250		110		130		180		< 250		< 260		< 270		< 260
95-48-7	2-Methylphenol	SVOC	310,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
88-74-4	2-Nitroaniline	SVOC	39,000		< 1900		< 1900		< 1700		< 1800		< 1700		< 1800		< 1800		< 1800		< 1800		< 1900		< 1800
88-75-5	2-Nitrophenol	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
91-94-1	3,3-Dichlorobenzidine	SVOC	1,000		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150
99-09-2	3-Nitroaniline	SVOC	NA		< 1900		< 1900		< 1700		< 1800		< 1700		< 1800		< 1800		< 1800		< 1800		< 1900		< 1800
534-52-1	4,6-Dinitro-2-methylphenol	SVOC	6,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
59-50-7	4-Chloro-3-methylphenol	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
106-47-8	4-Chloroaniline	SVOC	NA		< 750		< 760		< 690		< 710		< 690		< 710		< 700		< 710		< 730		< 760		< 730
100-01-6	4-Nitroaniline	SVOC	NA		< 1900		< 1900		< 1700		< 1800		< 1700		< 1800		< 1800		< 1800		< 1800		< 1900		< 1800
100-02-7	4-Nitrophenol	SVOC	NA		< 1900		< 1900		< 1700		< 1800		< 1700		< 1800		< 1800		< 1800		< 1800		< 1900		< 1800
83-32-9	Acenaphthene	SVOC	3,400,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		170		< 270		< 260
208-96-8	Acenaphthylene	SVOC	NA		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		140		< 150		< 150
98-86-2	Acetophenone	SVOC	2,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
62-53-3	Aniline	SVOC	NA		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330
120-12-7	Anthracene	SVOC	17,000,000		< 260		< 270		< 240		< 250		320		< 250		< 250		< 250		430		< 270		< 260
1912-24-9	Atrazine	SVOC	210,000		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150
100-52-7	Benzaldehyde	SVOC	6,100,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
56-55-3	Benzo-a-Anthracene	SVOC	600		< 260		< 270		< 240		190		550		210		240		< 250		1200		< 270		220
50-32-8	Benzo-a-Pyrene	SVOC	200		< 150		< 150		< 140		200		570		220		250		< 140		1100		< 150		250
205-99-2	Benzo-b-Fluoranthene	SVOC	600		< 260		180		< 240		280		790		330		360		170		1500		150		330
207-08-9	Benzo-k-Fluoranthene	SVOC	6,000		< 260		< 270		< 240		< 250		250		120		130		< 250		560		< 270		< 260
191-24-2	Benzo-g,h,i-Perylene	SVOC	380,000,000		< 260		< 270		< 240		130		320		< 250		< 250		< 250		690		< 270		140
65-85-0	Benzoic Acid	SVOC	NA		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330
100-51-6	Benzyl Alcohol	SVOC	NA		< 380		< 380		< 340		< 360		< 350		< 350		< 350		< 360		< 370		< 380		< 370
111-44-4	Bis(2-Chloroethyl)ether	SVOC	400		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150
108-60-1	Bis(2-Chloroisopropyl)ether	SVOC	23,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
117-81-7	Bis(2-Ethylhexyl)Phthalate	SVOC	35,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
85-68-7	Butylbenzylphthalate	SVOC	1,200,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
105-60-2	Caprolactam	SVOC	31,000,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
86-74-8	Carbazole	SVOC	24,000		< 1900		< 1900		< 1700		< 1800		< 1700		< 1800		< 1800		< 1800		< 1800		< 1900		< 1800
218-01-9	Chrysene	SVOC	62,000		< 260		< 270		< 240		240		550		230		260		< 250		1200		< 270		240
75-99-0	Dalapon	SVOC	NA		< 47		< 48		< 44		< 44		< 44		< 45		< 45		< 44		< 46		< 48		< 47
132-64-9	Dibenzofuran	SVOC	NA		< 260		< 270		< 240		< 250		110		< 250		< 250		< 250		140		< 270		< 260
53-70-3	Dibenzo-a,h-Anthracene	SVOC	200		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		170		< 150		< 150
84-66-2	Diethyl Phthalate	SVOC	49,000,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
131-11-3	Dimethyl Phthalate	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
84-74-2	Di-n-Butyl Phthalate	SVOC	6,100,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
117-84-0	Di-n-Octyl Phthalate	SVOC	2,400,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
206-44-0	Fluoranthene	SVOC	2,300,000		< 260		220		< 240		520		1500		330		360		200		1700		260		550
86-73-7	Fluorene	SVOC	2,300,000		< 260		< 270		< 240		< 250		140		< 250		< 250		< 250		190		< 270		< 260
118-74-1	Hexachlorobenzene	SVOC	300		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150
77-47-4	Hexachlorocyclopentadiene	SVOC	45,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
67-72-1	Hexachloroethane	SVOC	35,000		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150
193-39-5	Indeno(1,2,3-cd)Pyrene	SVOC	600		< 260		< 270		< 240		120		310		< 250		< 250		< 250		750		< 270		140
78-59-1	Isophorone	SVOC	510,000		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150
98-95-3	Nitrobenzene	SVOC	31,000		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150
62-75-9	N-Nitrosodimethylamine	SVOC	700		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
621-64-7	N-Nitroso-di-n-Propylamine	SVOC	200		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150
86-30-6	N-Nitrosodiphenylamine	SVOC	99,000		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150
87-86-5	Pentachlorophenol	SVOC	3,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
85-01-8	Phenanthrene	SVOC	NA		< 150		130		< 140		470		1200		260		310		130		2000		200		320
108-95-2	Phenol	SVOC	18000000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
129-00-0	Pyrene	SVOC	1,700,000		< 260		220		< 240		490		1300		330		350		160		1400		210		490

Table 3: Sample Results in Comparison with NJ RDCSRS
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NJ RDCSRS	WC 1 1-2	WC 1 COMP	WC 2 2-3	WC 2 COMP	WC 3 3-4	WC 3 COMP	WC 4 1-2	WC 4 COMP	WC 5 1-2	WC 5 COMP	WC 6 1-2	WC 6 COMP	DUP WC6 1-2	DUP WC6 COMP	WC 7 1-2	WC 7 COMP	WC 8 1-2	WC 8 COMP	WC 9 2-3	WC 9 COMP	WC 10 1-2	WC 10 COMP
	Lab Sample ID			BH68767	BH68768	BH69277	BH69278	BH69279	BH69280	BH69281	BH69282	BH69283	BH69284	BH70944	BH70945	BH70936	BH70937	BH70946	BH70947	BH68769	BH68770	BH69285	BH69286	BH69287	BH69288
	Date			1/29/2015	1/29/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	2/3/2015	2/3/2015	2/5/2015	2/5/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
93-76-5	2,4,5-T	HERBICIDE	NA		< 47		< 48		< 44		< 44		< 44		< 45		< 45		< 44		< 46		< 48		< 47
93-72-1	2,4,5-TP Acid	PESTICIDE	NA		< 47		< 48		< 44		< 44		< 44		< 45		< 45		< 44		< 46		< 48		< 47
94-75-7	2,4-D	HERBICIDE	NA		< 47		< 48		< 44		< 44		< 44		< 45		< 45		< 44		< 46		< 48		< 47
72-54-8	4,4-DDD	PESTICIDE	3,000		< 2.3		< 2.2		< 2.1		2.6		< 2.1		< 2.1		< 2.1		< 2.1		< 2.2		< 2.3		< 2.2
72-55-9	4,4-DDE	PESTICIDE	2,000		< 2.3		< 2.2		< 2.1		2.3		< 2.1		< 2.1		< 2.1		< 2.1		< 2.2		< 2.3		< 2.2
50-29-3	4,4-DDT	PESTICIDE	2,000		< 2.3		< 2.2		< 2.1		< 2.1		< 2.1		< 2.1		< 2.1		< 2.1		< 2.2		< 2.3		< 2.2
309-00-2	Aldrin	PESTICIDE	40		< 3.8		< 3.7		< 3.5		< 3.5		< 3.4		< 3.5		< 3.6		< 3.5		< 3.6		< 3.8		< 3.7
319-84-6	alpha-BHC	PESTICIDE	100		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4
5103-71-9	Alpha Chlordane	PESTICIDE	NA		< 3.8		< 3.7		< 3.5		< 3.5		< 3.4		11		7.2		< 3.5		< 3.6		< 3.8		< 3.7
12674-11-2	Aroclor 1016	PCB	NA		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74
1104-28-2	Aroclor 1221	PCB	NA		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74
11141-16-5	Aroclor 1232	PCB	NA		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74
53469-21-9	Aroclor 1242	PCB	NA		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74
12672-29-6	Aroclor 1248	PCB	NA		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74
11097-69-1	Aroclor 1254	PCB	NA		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74
11096-82-5	Aroclor 1260	PCB	NA		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74
11096-82-5	Aroclor 1262	PCB	NA		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74
37324-23-5	Aroclor 1268	PCB	NA		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74
319-85-7	beta-BHC	PESTICIDE	400		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4
57-74-9	Chlordane	PESTICIDE	200		< 38		< 37		< 35		< 35		< 34		65		41		< 35		< 36		< 38		< 37
319-86-8	delta-BHC	PESTICIDE	NA		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4
1918-00-9	Dicamba	HERBICIDE	NA		< 94		< 95		< 88		< 89		< 88		< 90		< 90		< 88		< 91		< 96		< 93
60-57-1	Dieldrin	PESTICIDE	40		< 3.8		< 3.7		< 3.5		< 3.5		< 3.4		< 3.5		< 3.6		< 3.5		< 3.6		< 3.8		< 3.7
115-29-7	Endosulfan	PESTICIDE	470,000		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4
959-98-8	Endosulfan I	PESTICIDE	NA		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4
33213-65-9	Endosulfan II	PESTICIDE	NA		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4
1031-07-8	Endosulfan Sulfate	PESTICIDE	470,000		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4
72-20-8	Endrin	PESTICIDE	23,000		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4
58-89-9	gamma-BHC	PESTICIDE	400		< 1.5		< 1.5		< 1.4		< 1.4		< 1.4		< 1.4		< 1.4		< 1.4		< 1.5		< 1.5		< 1.5
5103-74-2	Gamma Chlordane	PESTICIDE	NA		< 3.8		< 3.7		< 3.5		< 3.5		< 3.4		8.2		8.6		< 3.5		< 3.6		< 3.8		< 3.7
76-44-8	Heptachlor	PESTICIDE	100		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4
1024-57-3	Heptachlor Epoxide	PESTICIDE	70		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4
72-43-5	Methoxychlor	PESTICIDE	390,000		< 38		< 37		< 35		< 35		< 34		< 35		< 36		< 35		< 36		< 38		< 37
56-38-2	Parathion	PESTICIDE	NA		< 380		< 380		< 340		< 360		< 350		< 350		< 350		< 360		< 370		< 380		< 370
1336-36-3	Polychlorinated Biphenyls	PESTICIDE	200		0		0		0		0		0		0		0		0		0		0		0
8001-35-2	Toxaphene	PESTICIDE	600		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150
	Unit		*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
7429-90-5	Aluminum, Al	METAL	78,000		8200		8920		1260		4320		3050		6220		7100		5460		3970		9200		8460
7440-36-0	Antimony, Sb	METAL	31		< 3.9		6.9		< 3.5		< 3.6		< 3.3		< 3.7		< 3.6		< 3.4		< 3.5		< 3.4		< 3.5
7440-38-2	Arsenic, As	METAL	19		3.3		6.9		0.9		6.4		4.6		3.4		4.5		1.9		3.4		7		5.5
7440-39-3	Barium, Ba	METAL	16,000		34.4		233		5.63		105		54		67.6		59.5		37.1		112		173		42.9
7440-41-7	Beryllium, Be	METAL	16		0.42		0.56		< 0.28		0.43		0.36		0.81		0.55		0.39		< 0.28		0.5		0.46
7440-43-9	Cadmium, Cd	METAL	78		< 0.39		1.1		< 0.35		0.42		< 0.33		< 0.37		< 0.36		< 0.34		< 0.35		< 0.34		< 0.35
7440-47-3	Chromium, Cr	METAL	NA		10.8		14.2		4.24		12.3		9.22		20.1		17.3		35.2		12.4		18.6		14.4
18540-29-9	Chromium, hexavalent	METAL	240; ACD		< 0.44		< 0.46		< 0.44		< 0.41		< 0.43		< 0.42		< 0.43		< 0.43		< 0.44		0.56		< 0.45
16065-83-1	Chromium, trivalent	METAL	120,000		10.8		14.2		4.24		12.3		9.22		20.1		17.3		35.2		12.4		18		14.4
7440-48-4	Cobalt, Co	METAL	NA		4.11		5.87		1.09		3.51		5.87		10.4		6.97		10.3		4.67		7.06		5.02
7440-50-8	Copper, Cu	METAL	NA		9.74		28.1		1.79		21.5		23.7		96.3		32.4		54.9		72.1		29.2		15.5
57-12-5	Cyanide	METAL	1,600		< 0.57		< 0.57		< 0.53		< 0.54		< 0.53		< 0.54		< 0.54		< 0.54		0.65		< 0.53		< 0.51
7439-89-6	Iron, Fe	METAL	NA		10700		15400		2610		11800		6870		13300		12800		19300		9300		15100		13400
7439-92-1	Lead, Pb	METAL	400		106		2370		4.87		259		110		189		129		33		189		232		83.1
7439-96-5	Manganese, Mn	METAL	11,000		154		153		23.3		366		158		193		185		206		226		193		89.2
7439-97-6	Mercury, Hg	METAL	23		0.15		0.25		< 0.03		0.08		0.07		0.13		0.14		0.04		0.15		0.08		0.13
7440-02-0	Nickel, Ni	METAL	1,600		11.4		13.8		4.14		11.7		17.7		72.4		26		21.5		16.2		24.5		12.6
7782-49-2	Selenium, Se	METAL	390		< 1.6		< 1.4		< 1.4		< 1.5		< 1.3		< 1.5		< 1.4		< 1.4		< 1.4		< 1.4		< 1.4
7440-22-4	Silver, Ag	METAL	390		< 0.39		< 0.35		< 0.35		< 0.36		< 0.33		< 0.37		< 0.36		< 0.34		< 0.35		< 0.34		< 0.35
7440-28-0	Thallium, Ti	METAL	5		< 3.5		< 3.1		< 3.1		< 3.3		< 3.0		< 3.4		< 3.2		< 3.1		< 3.2		< 3.1		< 3.1
7440-62-2	Vanadium, V	METAL	78		16.5		19.6		4.16		17.4		12.3		21.6		21		40.5		14		23.2		21.9
7440-66-6	Zinc, Zn	METAL	23,000		37.8		558		14.9		172		78.9		307		97.3		34		226		188		59.2
	pH	pH	NA		7.71		8.08		9.52		9.21		9.18		9.88		9.81		11.11		8.59		9.84		8.76
	TPH	TPH	NA		< 56		< 57		< 53		< 54		< 53		<54		<54		<52		< 54		< 57		< 56

Notes: Shaded values indicate an exceedance of NJ RDCSCC.

Notes
ug/kg = micrograms per kilogram (ppb)
mg/kg = milligrams per kilogram (ppm)
ug/L = micrograms per liter
mg/L = milligrams per liter

Table 3: Sample Results in Comparison with NJ RDCSRS
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NJ RDCSRS	WC 11 2-3	WC 11 COMP	WC 12 1-2	WC 12 COMP	WC 13 1-2	WC 13 COMP	DUP WC 13 1-2	DUP WC 13 COMP	WC 14 2-3	WC 14 COMP	WC 15 2-3	WC 15 COMP	WC 16 1-2	WC 16 COMP	WC 17 1-2	WC 17 COMP	WC 18 1-2	WC 18 COMP	WC 19 1-2	WC 19 COMP	WC 20 1-2	WC 20 COMP	DUP WC 20 1-2	DUP WC 20 COMP	WC 21 4-5	WC 21 COMP
	Lab Sample ID			BH69295	BH69296	BH69291	BH69292	BH70562	BH70563	BH70564	BH70565	BH69820	BH69821	BH69818	BH69819	BH69816	BH69817	BH69814	BH69815	BH69812	BH69813	BH69800	BH69801	BH69802	BH69803	BH69804	BH69805	BH69293	BH69294
	Date			1/30/2015	1/30/2015	1/30/2015	1/30/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/30/2015	1/30/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
630-20-6	1,1,1,2-Tetrachloroethane	VOC	NA	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
71-55-6	1,1,1-Trichloroethane	VOC	290,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
79-34-5	1,1,2,2-Tetrachloroethane	VOC	1,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
79-00-5	1,1,2-Trichloroethane	VOC	2,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
92-52-4	1-1- Biphenyl	SVOC	3,100,000		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
75-34-3	1,1-Dichloroethane	VOC	8,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
75-35-4	1,1-Dichloroethene	VOC	11,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
95-63-6	1,2,4-Trimethylbenzene	VOC	NA	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5	
96-12-8	1,2-Dibromo-3-Chloropropane	VOC	80	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 80		< 5.0		< 80		< 6.0		< 5.4		< 5.5	
106-93-4	1,2-Dibromoethane	VOC	8	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
95-50-1	1,2-Dichlorobenzene	VOC	5,300,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5	
107-06-2	1,2-Dichloroethane	VOC	900	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
78-87-5	1,2-Dichloropropane	VOC	2,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
108-67-8	1,3,5-Trimethylbenzene	VOC	NA	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5	
541-73-1	1,3-Dichlorobenzene	VOC	5,300,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5	
106-46-7	1,4-Dichlorobenzene	VOC	5,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5	
123-91-1	1,4-Dioxane	VOC	NA	< 94		< 77		< 48		< 92		< 100		< 100		< 97		< 100		< 100		< 98		< 100		< 100		< 100	
78-93-3	2-Butanone	VOC	3,100,000	< 28		< 23		< 14		< 28		< 32		12		< 29		< 31		< 30		< 29		< 36		< 32		< 33	
108-10-1	4-Methyl-2-Pentanone	VOC	NA	< 24		< 19		< 12		< 23		< 27		< 27		< 24		< 26		< 25		< 25		< 30		< 27		< 27	
67-64-1	Acetone	VOC	70,000,000	< 47		< 39		< 24		< 46		20		47		< 49		< 50		< 50		< 49		< 50		< 50		< 55	
107-02-8	Acrolein	VOC	500	< 24		< 19		< 12		< 23		< 27		< 27		< 24		< 26		< 25		< 25		< 30		< 27		< 27	
107-13-1	Acrylonitrile	VOC	900	< 9.4		< 7.7		< 4.8		< 9.2		< 11		< 11		< 9.7		< 10		< 10		< 9.8		< 12		< 11		< 11	
71-43-2	Benzene	VOC	2,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		3.4		< 4.9		< 5.1		< 5.0		1.3		< 6.0		< 5.4		< 5.5	
92-87-5	Benzidine	SVOC	700		< 540		< 540		< 550		< 500		< 540		< 560		< 550		< 520		< 570		< 590		< 540		< 540		< 530
74-97-5	Bromochloromethane	VOC	NA	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
75-27-4	Bromodichloromethane	VOC	1,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
75-25-2	Bromoform	VOC	81,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
74-83-9	Bromomethane	VOC	25,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
75-15-0	Carbon Disulfide	VOC	7,800,000	< 4.7		< 3.9		< 2.4		< 4.6		2.9		4.4		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
56-23-5	Carbon Tetrachloride	VOC	600	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
108-90-7	Chlorobenzene	VOC	510,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		0.82		< 5.5	
124-48-1	Chlorodibromomethane	VOC	3,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
75-00-3	Chloroethane	VOC	220,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
67-66-3	Chloroform	VOC	600	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		0.91		1.5		1		< 5.5	
74-87-3	Chloromethane	VOC	4,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
156-59-2	cis-1,2-Dichloroethene	VOC	230,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
74-95-3	Dibromomethane	VOC	NA																										
75-71-8	Dichlorodifluoromethane	VOC	490,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
100-41-4	Ethylbenzene	VOC	7,800,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
98-82-8	Isopropylbenzene	VOC	NA	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5	
75-09-2	Methylene Chloride	VOC	34,000	2		1.5		0.54		1.6		1.7		2		< 4.9		1.5		1.2		1.5		3.1		2.9		1.9	
1634-04-4	Methyl Tert-Butyl Ether	VOC	110,000	< 9.4		< 7.7		< 4.8		< 9.2		< 11		< 11		< 9.7		< 10		< 10		< 9.8		< 12		< 11		< 11	
91-20-3	Naphthalene	SVOC	6,000		< 250		< 250		< 250		< 240		250		550		< 260		< 240		< 270		< 280		< 250		< 250		< 250
104-51-8	n-Butylbenzene	VOC	NA	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5	
103-65-1	n-Propylbenzene	VOC	NA	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5	
99-87-6	p-Isoproplytoluene	VOC	NA	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5	
135-98-8	sec-Butylbenzene	VOC	NA	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5	
100-42-5	Styrene	VOC	90,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
98-06-6	tert-Butylbenzene	VOC	NA	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5	
75-65-0	Tertiary Butyl Alcohol	VOC	1,400,000	< 94		< 77		< 48		< 92		< 110		< 110		< 97		< 100		< 100		< 98		< 120		< 110		< 110	
127-18-4	Tetrachloroethene	VOC	2,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
108-88-3	Toluene	VOC	6,300,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		6.2		< 4.9		78		0.86		0.84		< 6.0		< 5.4		< 5.5	
1330-20-7	Total Xylenes	VOC	12,000,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
156-60-5	trans-1,2-Dichloroethene	VOC	300,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
79-01-6	Trichloroethene	VOC	7,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
75-69-4	Trichlorofluoromethane	VOC	23,000,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
108-05-4	Vinyl Acetate	VOC	NA	< 47		< 39		< 24		< 46		< 54		< 53		< 49		< 51		< 50		< 49		< 60		< 54		< 55	
75-01-4	Vinyl Chloride	VOC	700	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	

Table 3: Sample Results in Comparison with NJ RDCSRS
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NJ RDCSRS	WC 11 2-3	WC 11 COMP	WC 12 1-2	WC 12 COMP	WC 13 1-2	WC 13 COMP	DUP WC 13 1-2	DUP WC 13 COMP	WC 14 2-3	WC 14 COMP	WC 15 2-3	WC 15 COMP	WC 16 1-2	WC 16 COMP	WC 17 1-2	WC 17 COMP	WC 18 1-2	WC 18 COMP	WC 19 1-2	WC 19 COMP	WC 20 1-2	WC 20 COMP	DUP WC 20 1-2	DUP WC 20 COMP	WC 21 4-5	WC 21 COMP
	Lab Sample ID			BH69295	BH69296	BH69291	BH69292	BH70562	BH70563	BH70564	BH70565	BH69820	BH69821	BH69818	BH69819	BH69816	BH69817	BH69814	BH69815	BH69812	BH69813	BH69800	BH69801	BH69802	BH69803	BH69804	BH69805	BH69293	BH69294
	Date			1/30/2015	1/30/2015	1/30/2015	1/30/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/30/2015	1/30/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
87-68-3	Hexachlorobutadiene	SVOC	6,000		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
122-66-7	1,2- Diphenylhydrazine	SVOC	700		< 360		< 360		< 360		< 340		< 360		< 370		< 370		< 350		< 380		< 400		< 360		< 360		< 360
120-82-1	1,2,4-Trichlorobenzene	VOC	73,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5	
95-94-3	1,2,4,5-Tetrachlorobenzene	SVOC	NA		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
58-90-2	2,3,4,6-Tetrachlorophenol	SVOC	NA		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
95-95-4	2,4,5-Trichlorophenol	SVOC	6,100,000		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
88-06-2	2,4,6-Trichlorophenol	SVOC	19,000		< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140
102-83-2	2,4-Dichlorophenol	SVOC	NA		< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140
105-67-9	2,4-Dimethylphenol	SVOC	1,200,000		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
51-28-5	2,4-Dinitrophenol	SVOC	120,000		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
121-14-2	2,4-Dinitrotoluene	SVOC	700		< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140
606-20-2	2,6-Dinitrotoluene	SVOC	700		< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140
91-58-7	2-Chloronaphthalene	SVOC	NA		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
95-57-8	2-Chlorophenol	SVOC	310,000		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
91-57-6	2-Methylnaphthalene	SVOC	230,000		< 250		< 250		< 250		< 240		150		360		< 260		< 240		< 270		< 280		< 250		< 250		< 250
95-48-7	2-Methylphenol	SVOC	310,000		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
88-74-4	2-Nitroaniline	SVOC	39,000		< 1800		< 1800		< 1800		< 1700		< 1800		< 1900		< 1800		< 1700		< 1900		< 2000		< 1800		< 1800		< 1800
88-75-5	2-Nitrophenol	SVOC	NA		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
91-94-1	3,3-Dichlorobenzidine	SVOC	1,000		< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140
99-09-2	3-Nitroaniline	SVOC	NA		< 1800		< 1800		< 1800		< 1700		< 1800		< 1900		< 1800		< 1700		< 1900		< 2000		< 1800		< 1800		< 1800
534-52-1	4,6-Dinitro-2-methylphenol	SVOC	6,000		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
59-50-7	4-Chloro-3-methylphenol	SVOC	NA		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
106-47-8	4-Chloroaniline	SVOC	NA		< 720		< 720		< 730		< 670		< 730		< 750		< 730		< 700		< 760		< 790		< 730		< 710		< 710
100-01-6	4-Nitroaniline	SVOC	NA		< 1800		< 1800		< 1800		< 1700		< 1800		< 1900		< 1800		< 1700		< 1900		< 2000		< 1800		< 1800		< 1800
100-02-7	4-Nitrophenol	SVOC	NA		< 1800		< 1800		< 1800		< 1700		< 1800		< 1900		< 1800		< 1700		< 1900		< 2000		< 1800		< 1800		< 1800
83-32-9	Acenaphthene	SVOC	3,400,000		< 250		< 250		< 250		< 240		130		320		< 260		< 240		< 270		< 280		< 250		< 250		< 250
208-96-8	Acenaphthylene	SVOC	NA		< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140
98-86-2	Acetophenone	SVOC	2,000		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
62-53-3	Aniline	SVOC	NA		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330
120-12-7	Anthracene	SVOC	17,000,000		< 250		< 250		< 250		< 240		< 250		200		140		< 240		< 270		< 280		< 250		< 250		< 250
1912-24-9	Atrazine	SVOC	210,000		< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140
100-52-7	Benzaldehyde	SVOC	6,100,000		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
56-55-3	Benzo-a-Anthracene	SVOC	600		< 250		630		< 250		< 240		210		330		500		120		< 270		< 280		< 250		150		< 250
50-32-8	Benzo-a-Pyrene	SVOC	200		< 140		590		< 150		< 130		190		280		390		< 140		< 150		< 160		130		140		< 140
205-99-2	Benzo-b-Fluoranthene	SVOC	600		< 250		750		< 250		< 240		280		410		520		160		< 270		< 280		170		160		< 250
207-08-9	Benzo-k-Fluoranthene	SVOC	6,000		< 250		320		< 250		< 240		< 250		160		200		< 240		< 270		< 280		< 250		< 250		< 250
191-24-2	Benzo-g,h,i-Perylene	SVOC	380,000,000		< 250		280		< 250		< 240		140		200		240		< 240		< 270		< 280		< 250		< 250		< 250
65-85-0	Benzoic Acid	SVOC	NA		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330
100-51-6	Benzyl Alcohol	SVOC	NA		< 360		< 360		< 360		< 340		< 360		< 370		< 370		< 350		< 380		< 400		< 360		< 360		< 360
111-44-4	Bis(2-Chloroethyl)ether	SVOC	400		< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140
108-60-1	Bis(2-Chloroisopropyl)ether	SVOC	23,000		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
117-81-7	Bis(2-Ethylhexyl)Phthalate	SVOC	35,000		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
85-68-7	Butylbenzylphthalate	SVOC	1,200,000		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
105-60-2	Caprolactam	SVOC	31,000,000		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
86-74-8	Carbazole	SVOC	24,000		< 1800		< 1800		< 1800		< 1700		< 1800		< 1900		< 1800		< 1700		< 1900		< 2000		< 1800		< 1800		< 1800
218-01-9	Chrysene	SVOC	62,000		< 250		570		< 250		< 240		240		380		500		< 240		< 270		< 280		140		140		< 250
75-99-0	Dalapon	SVOC	NA		< 45		< 46		< 47		< 43		< 45		< 47		< 46		< 44		< 49		< 49		< 46		< 45		< 45
132-64-9	Dibenzofuran	SVOC	NA		< 250		< 250		< 250		< 240		< 250		280		< 260		< 240		< 270		< 280		< 250		< 250		< 250
53-70-3	Dibenzo-a,h-Anthracene	SVOC	200		< 140		140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140
84-66-2	Diethyl Phthalate	SVOC	49,000,000		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
131-11-3	Dimethyl Phthalate	SVOC	NA		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
84-74-2	Di-n-Butyl Phthalate	SVOC	6,100,000		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
117-84-0	Di-n-Octyl Phthalate	SVOC	2,400,000		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
206-44-0	Fluoranthene	SVOC	2,300,000		< 250		860		130		150		440		670		960		190		< 270		< 280		210		210		< 250
86-73-7	Fluorene	SVOC	2,300,000		< 250		< 250		< 250		< 240		< 250		360		< 260		< 240		< 270		< 280		< 250		< 250		< 250
118-74-1	Hexachlorobenzene	SVOC	300		< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140
77-47-4	Hexachlorocyclopentadiene	SVOC	45,000		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
67-72-1	Hexachloroethane	SVOC	35,000		< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140
193-39-5	Indeno(1,2,3-cd)Pyrene	SVOC	600		< 250		330		< 250		< 240		140		200		240		< 240		< 270		< 280		< 250		< 250		< 250
78-59-1	Isophorone	SVOC	510,000		< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140
98-95-3	Nitrobenzene	SVOC	31,000		< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140
62-75-9	N-Nitrosodimethylamine	SVOC	700		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
621-64-7	N-Nitroso-di-n-Propylamine	SVOC	200		< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140
86-30-6	N-Nitrosodiphenylamine	SVOC	99,000		< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140
87-86-5	Pentachlorophenol	SVOC	3,000		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
85-01-8	Phenanthrene	SVOC	NA		< 140		100		< 150		120		370		1000		540		< 140		< 150		< 160		170		150		< 140
108-95-2	Phenol	SVOC	18000000		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
129-00-0	Pyrene	SVOC	1,700,000		< 250		770		< 250		130		390		560		920		190		< 270		< 280		180		180		< 250

Table 3: Sample Results in Comparison with NJ RDCSRS
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NJ RDCSRS	WC 11 2-3	WC 11 COMP	WC 12 1-2	WC 12 COMP	WC 13 1-2	WC 13 COMP	DUP WC 13 1-2	DUP WC 13 COMP	WC 14 2-3	WC 14 COMP	WC 15 2-3	WC 15 COMP	WC 16 1-2	WC 16 COMP	WC 17 1-2	WC 17 COMP	WC 18 1-2	WC 18 COMP	WC 19 1-2	WC 19 COMP	WC 20 1-2	WC 20 COMP	DUP WC 20 1-2	DUP WC 20 COMP	WC 21 4-5	WC 21 COMP
	Lab Sample ID			BH69295	BH69296	BH69291	BH69292	BH70562	BH70563	BH70564	BH70565	BH69820	BH69821	BH69818	BH69819	BH69816	BH69817	BH69814	BH69815	BH69812	BH69813	BH69800	BH69801	BH69802	BH69803	BH69804	BH69805	BH69293	BH69294
	Date			1/30/2015	1/30/2015	1/30/2015	1/30/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/30/2015	1/30/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
93-76-5	2,4,5-T	HERBICIDE	NA		< 45		< 46		< 47		< 43		< 45		< 47		< 46		< 44		< 49		< 49		< 46		< 45		< 45
93-72-1	2,4,5-TP Acid	PESTICIDE	NA		< 45		< 46		< 47		< 43		< 45		< 47		< 46		< 44		< 49		< 49		< 46		< 45		< 45
94-75-7	2,4-D	HERBICIDE	NA		< 45		< 46		< 47		< 43		< 45		< 47		< 46		< 44		< 49		< 49		< 46		< 45		< 45
72-54-8	4,4-DDD	PESTICIDE	3,000		< 2.1		< 2.2		< 2.2		< 2.0		< 2.2		9.7		< 2.2		< 2.1		< 2.3		< 2.3		< 2.2		< 2.1		< 2.1
72-55-9	4,4-DDE	PESTICIDE	2,000		< 2.1		< 2.2		< 2.2		< 2.0		< 2.2		< 2.2		< 2.2		< 2.1		< 2.3		< 2.3		< 2.2		< 2.1		< 2.1
50-29-3	4,4-DDT	PESTICIDE	2,000		< 2.1		< 2.2		< 2.2		< 2.0		< 2.2		3.5		< 2.2		< 2.1		< 2.3		< 2.3		< 2.2		< 2.1		< 2.1
309-00-2	Aldrin	PESTICIDE	40		< 3.6		< 3.6		< 3.7		< 3.4		< 3.6		< 3.7		< 3.7		< 3.5		< 3.9		< 3.9		< 3.7		< 3.5		< 3.5
319-84-6	alpha-BHC	PESTICIDE	100		< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0		< 7.1
5103-71-9	Alpha Chlordane	PESTICIDE	NA		< 3.6		< 3.6		< 3.7		< 3.4		< 3.6		< 3.7		< 3.7		< 3.5		< 3.9		< 3.9		< 3.7		< 3.5		< 3.5
12674-11-2	Aroclor 1016	PCB	NA		< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70		< 71
1104-28-2	Aroclor 1221	PCB	NA		< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70		< 71
11141-16-5	Aroclor 1232	PCB	NA		< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70		< 71
53469-21-9	Aroclor 1242	PCB	NA		< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70		< 71
12672-29-6	Aroclor 1248	PCB	NA		< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70		< 71
11097-69-1	Aroclor 1254	PCB	NA		< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70		< 71
11096-82-5	Aroclor 1260	PCB	NA		< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70		< 71
11096-82-5	Aroclor 1262	PCB	NA		< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70		< 71
37324-23-5	Aroclor 1268	PCB	NA		< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70		< 71
319-85-7	beta-BHC	PESTICIDE	400		< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0		< 7.1
57-74-9	Chlordane	PESTICIDE	200		< 36		< 36		< 37		< 34		< 36		< 37		< 37		< 35		< 39		< 39		< 37		< 35		< 35
319-86-8	delta-BHC	PESTICIDE	NA		< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0		< 7.1
1918-00-9	Dicamba	HERBICIDE	NA		< 90		< 92		< 93		< 86		< 91		< 93		< 93		< 88		< 97		< 98		< 91		< 90		< 90
60-57-1	Dieldrin	PESTICIDE	40		< 3.6		< 3.6		< 3.7		< 3.4		< 3.6		< 3.7		< 3.7		< 3.5		< 3.9		< 3.9		< 3.7		< 3.5		< 3.5
115-29-7	Endosulfan	PESTICIDE	470,000		< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0		< 7.1
959-98-8	Endosulfan I	PESTICIDE	NA		< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0		< 7.1
33213-65-9	Endosulfan II	PESTICIDE	NA		< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0		< 7.1
1031-07-8	Endosulfan Sulfate	PESTICIDE	470,000		< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0		< 7.1
72-20-8	Endrin	PESTICIDE	23,000		< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0		< 7.1
58-89-9	gamma-BHC	PESTICIDE	400		< 1.4		< 1.4		< 1.5		< 1.3		< 1.4		< 1.5		< 1.5		< 1.4		< 1.5		< 1.6		< 1.5		< 1.4		< 1.4
5103-74-2	Gamma Chlordane	PESTICIDE	NA		< 3.6		< 3.6		< 3.7		< 3.4		< 3.6		< 3.7		< 3.7		< 3.5		< 3.9		< 3.9		< 3.7		< 3.5		< 3.5
76-44-8	Heptachlor	PESTICIDE	100		< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0		< 7.1
1024-57-3	Heptachlor Epoxide	PESTICIDE	70		< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0		< 7.1
72-43-5	Methoxychlor	PESTICIDE	390,000		< 36		< 36		< 37		< 34		< 36		< 37		< 37		< 35		< 39		< 39		< 37		< 35		< 35
56-38-2	Parathion	PESTICIDE	NA		< 360		< 5		< 360		< 340		< 5		< 5		< 5		< 350		< 380		< 400		< 360		< 360		< 5
1336-36-3	Polychlorinated Biphenyls	PESTICIDE	200		0		0		0		0		0		0		0		0		0		0		0		0		0
8001-35-2	Toxaphene	PESTICIDE	600		< 140		< 140		< 150		< 130		< 140		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140
	Unit		*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
7429-90-5	Aluminum, Al	METAL	78,000		1320		1480		957		1410		3060		5030		9470		3190		1730		2280		2530		1440		1390
7440-36-0	Antimony, Sb	METAL	31		< 3.4		< 3.7		< 3.6		< 3.2		< 3.6		< 4.0		< 3.5		< 3.7		< 4.1		< 3.6		< 3.9		< 3.7		< 3.7
7440-38-2	Arsenic, As	METAL	19		1		1.2		< 0.7		0.6		2.6		9.1		6.2		5.4		2.4		1.8		3.2		1.3		1.1
7440-39-3	Barium, Ba	METAL	16,000		7.57		15.4		6.65		8.48		29		103		109		42.5		20.8		16.6		76		22.2		5.81
7440-41-7	Beryllium, Be	METAL	16		< 0.27		< 0.29		< 0.29		< 0.25		< 0.29		0.48		0.56		< 0.29		< 0.33		< 0.29		< 0.31		< 0.30		< 0.30
7440-43-9	Cadmium, Cd	METAL	78		< 0.34		< 0.37		< 0.36		< 0.32		< 0.36		< 0.40		< 0.35		< 0.37		< 0.41		0.46		0.43		< 0.37		< 0.37
7440-47-3	Chromium, Cr	METAL	NA		4.75		4.92		2.65		4.46		9.36		11.3		18.9		11.6		10.3		5.41		9.93		5.67		4.59
18540-29-9	Chromium, hexavalent	METAL	240; ACD		< 0.44		< 0.43		< 0.47		< 0.40		< 0.44		< 0.45		< 0.45		< 0.43		< 0.47		< 0.46		0.48		< 0.43		< 0.45
16065-83-1	Chromium, trivalent	METAL	120,000		4.75		4.92		2.65		4.46		9.36		11.3		18.9		11.6		10.3		5.41		9.45		5.67		4.59
7440-48-4	Cobalt, Co	METAL	NA		1.14		1.44		1.02		0.97		2.89		5.9		7.91		3.45		2.26		2.06		2.08		1.29		1.22
7440-50-8	Copper, Cu	METAL	NA		2.21		3.48		3.77		3.72		12		84.7		26		14		9.61		4.23		14.6		3.92		1.91
57-12-5	Cyanide	METAL	1,600		< 0.55		< 0.51		< 0.47		< 0.47		< 0.55		< 0.56		< 0.51		< 0.54		< 0.59		< 0.60		< 0.56		< 0.54		1.26
7439-89-6	Iron, Fe	METAL	NA		2620		2860		2880		2520		10600		10600		17900		8740		4360		4160		4910		3070		2900
7439-92-1	Lead, Pb	METAL	400		3.22		22.6		13		12.9		37.1		108		145		65.2		13		14.9		170		33.3		4.87
7439-96-5	Manganese, Mn	METAL	11,000		32.7		34.9		35		34.6		118		248		275		138		64.2		55.4		78.7		34		29.5
7439-97-6	Mercury, Hg	METAL	23		< 0.03		< 0.03		< 0.03		< 0.02		0.18		0.17		0.09		0.2		< 0.03		< 0.03		0.04		0.05		< 0.03
7440-02-0	Nickel, Ni	METAL	1,600		3.91		4.63		2.86		3.05		11.4		20.1		23.6		11.5		7.15		6.78		6.8		4.73		5.57
7782-49-2	Selenium, Se	METAL	390		< 1.4		< 1.5		< 1.4		< 1.3		< 1.4		< 1.6		< 1.4		< 1.5		< 1.7		< 1.5		< 1.6		< 1.5		< 1.5
7440-22-4	Silver, Ag	METAL	390		< 0.34		< 0.37		< 0.36		< 0.32		< 0.36		< 0.40		< 0.35		< 0.37		< 0.41		< 0.36		< 0.39		< 0.37		< 0.37
7440-28-0	Thallium, Ti	METAL	5		< 3.1		< 3.3		< 3.2		< 2.9		< 3.2		< 3.6		< 3.2		< 3.3		< 3.7		< 3.3		< 3.5		< 3.4		< 3.4
7440-62-2	Vanadium, V	METAL	78		4.27		5.36		4.14		4.1		11.2		17		25.2		11.1		6.09		6.56		7.76		5.02		4.72
7440-66-6	Zinc, Zn	METAL	23,000		21.8		25.3		16.4		46.8		35.5		108		116		53.1		39.3		44		145		78.7		54.5
	pH	pH	NA		9.33		8.95		9.49		9.7		7.19		9.65		8.7		9.68		9.07		8.72		9.42		9.39		9.56
	TPH	TPH	NA		< 54		< 55		< 55		< 50		<55		<55		<55		<52		<57		<59		<55		<54		< 53

Notes: Shaded values indicate an exceedance of NJ RDCSCC.

Notes
ug/kg = micrograms per kilogram (ppb)
mg/kg = milligrams per kilogram (ppm)
ug/L = micrograms per liter
mg/L = milligrams per liter

Table 3: Sample Results in Comparison with NJ RDCSRS
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NJ RDCSRS	WC 22 1-2	WC 22 COMP	WC 23 1-2	WC 23 COMP	WC 24 1-2	WC 24 COMP	WC 25 1-2	WC 25 COMP	WC 26 2-3	WC 26 COMP	WC 27 1-2	WC 27 COMP	WC 28 1-2	WC 28 COMP	WC 29 2-3	WC 29 COMP	DUP WC 29 2-3	DUP WC 29 COMP	WC 30 1-2	WC 30 COMP	WC 31 1-2	WC 31 COMP	WC 32 2-3	WC 32 COMP	WC 33 3-4	WC 33 COMP	WC 34 2-3
	Lab Sample ID			BH70938	BH70939	BH70952	BH70953	BH70954	BH70955	BH70948	BH70949	BH70940	BH70941	BH69806	BH69807	BH69289	BH69290	BH69808	BH69809	BH69810	BH69811	BH68765	BH68766	BH70956	BH70957	BH69794	BH69795	BH68763	BH68764	BH70942
	Date			1/29/2015	1/29/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/5/2015	2/5/2015	2/3/2015	2/3/2015	1/30/2015	1/30/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	1/29/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
630-20-6	1,1,1,2-Tetrachloroethane	VOC	NA	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
71-55-6	1,1,1-Trichloroethane	VOC	290,000	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
79-34-5	1,1,2,2-Tetrachloroethane	VOC	1,000	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
79-00-5	1,1,2-Trichloroethane	VOC	2,000	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
92-52-4	1-1- Biphenyl	SVOC	3,100,000		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
75-34-3	1,1-Dichloroethane	VOC	8,000	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
75-35-4	1,1-Dichloroethene	VOC	11,000	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
95-63-6	1,2,4-Trimethylbenzene	VOC	NA	< 2.5		< 2.5		< 2.4		< 4.4		< 260		< 5.3		< 5.1		< 270		< 270		< 2.3		< 2.7		< 260		< 2.1		< 3.4
96-12-8	1,2-Dibromo-3-Chloropropane	VOC	80	< 2.5		< 2.5		< 2.3		< 4.4		< 80		< 5.3		< 5.1		< 80		< 5.0		< 2.3		< 2.3		< 80		< 2.1		< 3.4
106-93-4	1,2-Dibromoethane	VOC	8	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
95-50-1	1,2-Dichlorobenzene	VOC	5,300,000	< 2.5		< 2.5		< 2.3		5.1		< 260		< 5.3		< 5.1		< 270		< 5.0		< 2.3		< 2.3		< 260		< 2.1		0.65
107-06-2	1,2-Dichloroethane	VOC	900	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
78-87-5	1,2-Dichloropropane	VOC	2,000	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
108-67-8	1,3,5-Trimethylbenzene	VOC	NA	< 2.5		< 2.5		< 2.4		< 4.4		< 260		< 5.3		< 5.1		< 270		< 270		< 2.3		< 2.7		< 260		< 2.1		< 3.4
541-73-1	1,3-Dichlorobenzene	VOC	5,300,000	< 2.5		< 2.5		< 2.3		< 4.4		< 260		< 5.3		< 5.1		< 270		< 5.0		< 2.3		< 2.3		< 260		< 2.1		< 3.4
106-46-7	1,4-Dichlorobenzene	VOC	5,000	< 2.5		< 2.5		< 2.3		1.6		< 260		< 5.3		< 5.1		< 270		< 5.0		< 2.3		< 2.3		< 260		< 2.1		< 3.4
123-91-1	1,4-Dioxane	VOC	NA	< 50		< 49		< 46		< 88		< 68		< 100		< 100		< 100		< 99		< 45		< 46		< 91		< 41		< 67
78-93-3	2-Butanone	VOC	3,100,000	< 15		< 15		2.8		< 26		< 20		< 32		< 31		< 34		< 30		< 14		< 14		< 27		< 12		< 20
108-10-1	4-Methyl-2-Pentanone	VOC	NA	< 13		< 12		< 12		< 22		< 17		< 26		< 26		< 29		< 25		< 11		< 12		< 23		< 10		< 17
67-64-1	Acetone	VOC	70,000,000	< 25		16		18		11		< 34		< 50		< 51		< 50		< 50		< 23		3		< 46		< 21		11
107-02-8	Acrolein	VOC	500	< 13		< 12		< 12		< 22		< 17		< 26		< 26		< 29		< 25		< 11		< 12		< 23		< 10		< 17
107-13-1	Acrylonitrile	VOC	900	< 5.0		< 4.9		< 4.6		< 8.8		< 6.8		< 11		< 10		< 11		< 9.9		< 4.5		< 4.6		< 9.1		< 4.1		< 6.7
71-43-2	Benzene	VOC	2,000	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		6.6		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
92-87-5	Benzidine	SVOC	700		< 530		< 560		< 530		< 570		< 550		< 590		< 530		< 580		< 590		< 530		< 540		< 590		< 540	
74-97-5	Bromochloromethane	VOC	NA	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
75-27-4	Bromodichloromethane	VOC	1,000	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		1.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
75-25-2	Bromoform	VOC	81,000	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
74-83-9	Bromomethane	VOC	25,000	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
75-15-0	Carbon Disulfide	VOC	7,800,000	< 2.5		2.3		0.55		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		3.2
56-23-5	Carbon Tetrachloride	VOC	600	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
108-90-7	Chlorobenzene	VOC	510,000	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
124-48-1	Chlorodibromomethane	VOC	3,000	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
75-00-3	Chloroethane	VOC	220,000	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
67-66-3	Chloroform	VOC	600	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		110		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		0.94
74-87-3	Chloromethane	VOC	4,000	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
156-59-2	cis-1,2-Dichloroethene	VOC	230,000	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
74-95-3	Dibromomethane	VOC	NA																											
75-71-8	Dichlorodifluoromethane	VOC	490,000	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
100-41-4	Ethylbenzene	VOC	7,800,000	< 2.5		< 2.5		0.54		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
98-82-8	Isopropylbenzene	VOC	NA	< 2.5		< 2.5		< 2.3		< 4.4		< 260		< 5.3		< 5.1		< 270		+++IND		< 2.3		< 2.3		< 260		< 2.1		< 3.4
75-09-2	Methylene Chloride	VOC	34,000	0.55		0.57		0.62		1.3		0.73		2.3		1.7		2.7		2.6		< 2.3		0.45		1.7		< 2.1		1.2
1634-04-4	Methyl Tert-Butyl Ether	VOC	110,000	< 5.0		< 4.9		< 4.6		< 8.8		< 6.8		< 11		< 10		< 11		< 9.9		< 4.5		< 4.6		< 9.1		< 4.1		< 6.7
91-20-3	Naphthalene	SVOC	6,000		< 250		< 260		< 250		< 260		< 260		< 270		< 250		240		< 280		< 250		< 250		< 280		< 250	
104-51-8	n-Butylbenzene	VOC	NA	< 2.5		< 2.5		< 2.4		< 4.4		< 260		< 5.3		< 5.1		< 270		< 270		< 2.3		< 2.7		< 260		< 2.1		< 3.4
103-65-1	n-Propylbenzene	VOC	NA	< 2.5		< 2.5		< 2.4		< 4.4		< 260		< 5.3		< 5.1		< 270		< 270		< 2.3		< 2.7		< 260		< 2.1		< 3.4
99-87-6	p-Isoproplytoluene	VOC	NA	< 2.5		< 2.5		< 2.4		< 4.4		< 260		< 5.3		< 5.1		< 270		< 270		< 2.3		< 2.7		< 260		< 2.1		< 3.4
135-98-8	sec-Butylbenzene	VOC	NA	< 2.5		< 2.5		< 2.4		< 4.4		< 260		< 5.3		< 5.1		< 270		< 270		< 2.3		< 2.7		< 260		< 2.1		< 3.4
100-42-5	Styrene	VOC	90,000	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
98-06-6	tert-Butylbenzene	VOC	NA	< 2.5		< 2.5		< 2.4		< 4.4		< 260		< 5.3		< 5.1		< 270		< 270		< 2.3		< 2.7		< 260		< 2.1		< 3.4
75-65-0	Tertiary Butyl Alcohol	VOC	1,400,000	< 50		< 49		< 46		< 88		< 68		< 110		< 100		< 110		< 99		< 45		< 46		< 91		< 41		< 67
127-18-4	Tetrachloroethene	VOC	2,000	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
108-88-3	Toluene	VOC	6,300,000	< 2.5		< 2.5		< 2.3		< 4.4		0.56		< 5.3		< 5.1		< 5.7		2.6		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
1330-20-7	Total Xylenes	VOC	12,000,000	< 2.5		< 2.5		2.9		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
156-60-5	trans-1,2-Dichloroethene	VOC	300,000	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
79-01-6	Trichloroethene	VOC	7,000	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
75-69-4	Trichlorofluoromethane	VOC	23,000,000	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
108-05-4	Vinyl Acetate	VOC	NA	< 25		< 25		< 24		< 44		< 34		< 53		< 51		< 57		< 50		< 23		< 23		< 46		< 21		< 34
75-01-4	Vinyl Chloride	VOC	700	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4

Table 3: Sample Results in Comparison with NJ RDCSRS
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NJ RDCSRS	WC 22 1-2	WC 22 COMP	WC 23 1-2	WC 23 COMP	WC 24 1-2	WC 24 COMP	WC 25 1-2	WC 25 COMP	WC 26 2-3	WC 26 COMP	WC 27 1-2	WC 27 COMP	WC 28 1-2	WC 28 COMP	WC 29 2-3	WC 29 COMP	DUP WC 29 2-3	DUP WC 29 COMP	WC 30 1-2	WC 30 COMP	WC 31 1-2	WC 31 COMP	WC 32 2-3	WC 32 COMP	WC 33 3-4	WC 33 COMP	WC 34 2-3
	Lab Sample ID			BH70938	BH70939	BH70952	BH70953	BH70954	BH70955	BH70948	BH70949	BH70940	BH70941	BH69806	BH69807	BH69289	BH69290	BH69808	BH69809	BH69810	BH69811	BH68765	BH68766	BH70956	BH70957	BH69794	BH69795	BH68763	BH68764	BH70942
	Date			1/29/2015	1/29/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/5/2015	2/5/2015	2/3/2015	2/3/2015	1/30/2015	1/30/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	1/29/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
87-68-3	Hexachlorobutadiene	SVOC	6,000		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
122-66-7	1,2- Diphenylhydrazine	SVOC	700		< 350		< 370		< 360		< 380		< 370		< 390		< 360		< 380		< 390		< 360		< 360		< 390		< 360	
120-82-1	1,2,4-Trichlorobenzene	VOC	73,000	< 2.5		< 2.5		< 2.3		< 4.4		< 260		< 5.3		< 5.1		< 270		< 5.0		< 2.3		< 2.3		< 260		< 2.1		< 3.4
95-94-3	1,2,4,5-Tetrachlorobenzene	SVOC	NA		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
58-90-2	2,3,4,6-Tetrachlorophenol	SVOC	NA		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
95-95-4	2,4,5-Trichlorophenol	SVOC	6,100,000		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
88-06-2	2,4,6-Trichlorophenol	SVOC	19,000		< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150	
102-83-2	2,4-Dichlorophenol	SVOC	NA		< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150	
105-67-9	2,4-Dimethylphenol	SVOC	1,200,000		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
51-28-5	2,4-Dinitrophenol	SVOC	120,000		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
121-14-2	2,4-Dinitrotoluene	SVOC	700		< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150	
606-20-2	2,6-Dinitrotoluene	SVOC	700		< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150	
91-58-7	2-Chloronaphthalene	SVOC	NA		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
95-57-8	2-Chlorophenol	SVOC	310,000		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
91-57-6	2-Methylnaphthalene	SVOC	230,000		< 250		< 260		< 250		< 260		< 260		< 270		< 250		200		< 280		< 250		< 250		< 280		< 250	
95-48-7	2-Methylphenol	SVOC	310,000		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
88-74-4	2-Nitroaniline	SVOC	39,000		< 1800		< 1900		< 1800		< 1900		< 1800		< 2000		< 1800		< 1900		< 2000		< 1800		< 1800		< 2000		< 1800	
88-75-5	2-Nitrophenol	SVOC	NA		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
91-94-1	3,3-Dichlorobenzidine	SVOC	1,000		< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150	
99-09-2	3-Nitroaniline	SVOC	NA		< 1800		< 1900		< 1800		< 1900		< 1800		< 2000		< 1800		< 1900		< 2000		< 1800		< 1800		< 2000		< 1800	
534-52-1	4,6-Dinitro-2-methylphenol	SVOC	6,000		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
59-50-7	4-Chloro-3-methylphenol	SVOC	NA		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
106-47-8	4-Chloroaniline	SVOC	NA		< 700		< 750		< 710		< 750		< 740		< 780		< 710		< 770		< 790		< 710		< 710		< 790		< 730	
100-01-6	4-Nitroaniline	SVOC	NA		< 1800		< 1900		< 1800		< 1900		< 1800		< 2000		< 1800		< 1900		< 2000		< 1800		< 1800		< 2000		< 1800	
100-02-7	4-Nitrophenol	SVOC	NA		< 1800		< 1900		< 1800		< 1900		< 1800		< 2000		< 1800		< 1900		< 2000		< 1800		< 1800		< 2000		< 1800	
83-32-9	Acenaphthene	SVOC	3,400,000		< 250		< 260		< 250		180		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
208-96-8	Acenaphthylene	SVOC	NA		< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150	
98-86-2	Acetophenone	SVOC	2,000		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
62-53-3	Aniline	SVOC	NA		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330	
120-12-7	Anthracene	SVOC	17,000,000		< 250		< 260		210		510		< 260		< 270		< 250		310		250		< 250		< 250		< 280		< 250	
1912-24-9	Atrazine	SVOC	210,000		< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150	
100-52-7	Benzaldehyde	SVOC	6,100,000		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
56-55-3	Benzo-a-Anthracene	SVOC	600		< 250		280		880		1200		280		< 270		< 250		990		600		< 250		200		< 280		< 250	
50-32-8	Benzo-a-Pyrene	SVOC	200		< 140		280		800		950		280		< 160		< 140		990		550		< 140		190		< 160		< 150	
205-99-2	Benzo-b-Fluoranthene	SVOC	600		< 250		480		1300		1600		490		140		< 250		1300		760		< 250		300		< 280		130	
207-08-9	Benzo-k-Fluoranthene	SVOC	6,000		< 250		200		520		590		180		< 270		< 250		540		260		< 250		160		< 280		< 250	
191-24-2	Benzo-g,h,i-Perylene	SVOC	380,000,000		< 250		< 260		210		220		< 260		< 270		< 250		390		230		< 250		< 250		< 280		< 250	
65-85-0	Benzoic Acid	SVOC	NA		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330	
100-51-6	Benzyl Alcohol	SVOC	NA		< 350		< 370		< 360		< 380		< 370		< 390		< 360		< 380		< 390		< 360		< 360		< 390		< 360	
111-44-4	Bis(2-Chloroethyl)ether	SVOC	400		< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150	
108-60-1	Bis(2-Chloroisopropyl)ether	SVOC	23,000		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
117-81-7	Bis(2-Ethylhexyl)Phthalate	SVOC	35,000		< 250		230		< 250		120		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
85-68-7	Butylbenzylphthalate	SVOC	1,200,000		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
105-60-2	Caprolactam	SVOC	31,000,000		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
86-74-8	Carbazole	SVOC	24,000		< 1800		< 1900		< 1800		350		< 1800		< 2000		< 1800		< 1900		< 2000		< 1800		< 1800		< 2000		< 1800	
218-01-9	Chrysene	SVOC	62,000		< 250		270		820		1100		350		130		< 250		1100		660		< 250		190		< 280		< 250	
75-99-0	Dalapon	SVOC	NA		< 44		< 46		< 46		< 48		< 46		< 50		< 45		< 49		< 49		< 45		< 45		< 49		< 46	
132-64-9	Dibenzofuran	SVOC	NA		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
53-70-3	Dibenzo-a,h-Anthracene	SVOC	200		< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150	
84-66-2	Diethyl Phthalate	SVOC	49,000,000		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
131-11-3	Dimethyl Phthalate	SVOC	NA		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
84-74-2	Di-n-Butyl Phthalate	SVOC	6,100,000		< 250		< 260		< 250		< 260		< 260		< 270		< 250		130		< 280		< 250		< 250		< 280		< 250	
117-84-0	Di-n-Octyl Phthalate	SVOC	2,400,000		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
206-44-0	Fluoranthene	SVOC	2,300,000		< 250		470		1700		2100		620		170		< 250		1400		1000		< 250		320		< 280		120	
86-73-7	Fluorene	SVOC	2,300,000		< 250		< 260		< 250		190		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
118-74-1	Hexachlorobenzene	SVOC	300		< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150	
77-47-4	Hexachlorocyclopentadiene	SVOC	45,000		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
67-72-1	Hexachloroethane	SVOC	35,000		< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150	
193-39-5	Indeno(1,2,3-cd)Pyrene	SVOC	600		< 250		< 260		200		210		< 260		< 270		< 250		400		240		< 250		< 250		< 280		< 250	
78-59-1	Isophorone	SVOC	510,000		< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150	
98-95-3	Nitrobenzene	SVOC	31,000		< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150	
62-75-9	N-Nitrosodimethylamine	SVOC	700		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
621-64-7	N-Nitroso-di-n-Propylamine	SVOC	200		< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150	
86-30-6	N-Nitrosodiphenylamine	SVOC	99,000		< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150	
87-86-5	Pentachlorophenol	SVOC	3,000		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
85-01-8	Phenanthrene	SVOC	NA		< 140		350		1100		1800		460		170		< 140		1300		1200		< 140		280		< 160		110	
108-95-2	Phenol	SVOC	18000000		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
129-00-0	Pyrene	SVOC	1,700,000		< 250		450		1400		2100		520		170		< 250		1200		830		< 250		270		< 280		< 250	

Table 3: Sample Results in Comparison with NJ RDCSRS
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NJ RDCSRS	WC 22 1-2	WC 22 COMP	WC 23 1-2	WC 23 COMP	WC 24 1-2	WC 24 COMP	WC 25 1-2	WC 25 COMP	WC 26 2-3	WC 26 COMP	WC 27 1-2	WC 27 COMP	WC 28 1-2	WC 28 COMP	WC 29 2-3	WC 29 COMP	DUP WC 29 2-3	DUP WC 29 COMP	WC 30 1-2	WC 30 COMP	WC 31 1-2	WC 31 COMP	WC 32 2-3	WC 32 COMP	WC 33 3-4	WC 33 COMP	WC 34 2-3
	Lab Sample ID			BH70938	BH70939	BH70952	BH70953	BH70954	BH70955	BH70948	BH70949	BH70940	BH70941	BH69806	BH69807	BH69289	BH69290	BH69808	BH69809	BH69810	BH69811	BH68765	BH68766	BH70956	BH70957	BH69794	BH69795	BH68763	BH68764	BH70942
	Date			1/29/2015	1/29/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/5/2015	2/5/2015	2/3/2015	2/3/2015	1/30/2015	1/30/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	1/29/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
93-76-5	2,4,5-T	HERBICIDE	NA		< 44		< 46		< 46		< 48		< 46		< 50		< 45		< 49		< 49		< 45		< 45		< 49		< 46	
93-72-1	2,4,5-TP Acid	PESTICIDE	NA		< 44		< 46		< 46		< 48		< 46		< 50		< 45		< 49		< 49		< 45		< 45		< 49		< 46	
94-75-7	2,4-D	HERBICIDE	NA		< 44		< 46		< 46		< 48		< 46		< 50		< 45		< 49		< 49		< 45		< 45		< 49		< 46	
72-54-8	4,4-DDD	PESTICIDE	3,000		< 2.1		< 2.2		< 2.2		< 2.3		< 2.2		< 2.4		< 2.1		< 12		< 2.3		< 2.1		< 2.1		< 2.4		< 2.2	
72-55-9	4,4-DDE	PESTICIDE	2,000		< 2.1		< 2.2		< 2.2		< 2.3		< 2.2		< 2.4		< 2.1		< 12		< 2.3		< 2.1		< 2.1		< 2.4		< 2.2	
50-29-3	4,4-DDT	PESTICIDE	2,000		< 2.1		< 2.2		< 2.2		< 2.3		< 2.2		< 2.4		< 2.1		< 12		< 2.3		< 2.1		< 2.1		< 2.4		< 2.2	
309-00-2	Aldrin	PESTICIDE	40		< 3.5		< 3.7		< 3.6		< 3.8		< 3.7		< 4.0		< 3.6		< 19		< 3.9		< 3.6		< 3.6		< 3.9		< 3.6	
319-84-6	alpha-BHC	PESTICIDE	100		< 7.0		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2	
5103-71-9	Alpha Chlordane	PESTICIDE	NA		< 3.5		< 3.7		< 3.6		< 3.8		< 3.7		< 4.0		< 3.6		< 19		< 3.9		< 3.6		< 3.6		< 3.9		< 3.6	
12674-11-2	Aroclor 1016	PCB	NA		< 70		< 73		< 73		850		< 75		< 80		< 72		< 78		< 78		< 71		< 71		< 79		< 72	
1104-28-2	Aroclor 1221	PCB	NA		< 70		< 73		< 73		< 76		< 75		< 80		< 72		< 78		< 78		< 71		< 71		< 79		< 72	
11141-16-5	Aroclor 1232	PCB	NA		< 70		< 73		< 73		< 76		< 75		< 80		< 72		< 78		< 78		< 71		< 71		< 79		< 72	
53469-21-9	Aroclor 1242	PCB	NA		< 70		< 73		< 73		< 76		< 75		< 80		< 72		< 78		< 78		< 71		< 71		< 79		< 72	
12672-29-6	Aroclor 1248	PCB	NA		< 70		< 73		< 73		< 76		< 75		< 80		< 72		< 78		< 78		< 71		< 71		< 79		< 72	
11097-69-1	Aroclor 1254	PCB	NA		< 70		< 73		< 73		< 76		< 75		< 80		< 72		< 78		< 78		< 71		< 71		< 79		< 72	
11096-82-5	Aroclor 1260	PCB	NA		< 70		< 73		< 73		< 76		< 75		< 80		< 72		430		< 78		< 71		< 71		< 79		< 72	
11096-82-5	Aroclor 1262	PCB	NA		< 70		< 73		< 73		< 76		< 75		< 80		< 72		< 78		< 78		< 71		< 71		< 79		< 72	
37324-23-5	Aroclor 1268	PCB	NA		< 70		< 73		< 73		< 76		< 75		< 80		< 72		< 78		< 78		< 71		< 71		< 79		< 72	
319-85-7	beta-BHC	PESTICIDE	400		< 7.0		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2	
57-74-9	Chlordane	PESTICIDE	200		< 35		< 37		< 36		< 38		< 37		< 40		< 36		< 190		< 39		< 36		< 36		< 39		< 36	
319-86-8	delta-BHC	PESTICIDE	NA		< 7.0		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2	
1918-00-9	Dicamba	HERBICIDE	NA		< 89		< 92		< 91		< 96		< 92		< 99		< 90		< 97		< 99		< 91		< 89		< 98		< 92	
60-57-1	Dieldrin	PESTICIDE	40		< 3.5		< 3.7		< 3.6		< 3.8		< 3.7		< 4.0		< 3.6		< 19		< 3.9		< 3.6		< 3.6		< 3.9		< 3.6	
115-29-7	Endosulfan	PESTICIDE	470,000		< 7.0		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2	
959-98-8	Endosulfan I	PESTICIDE	NA		< 7.0		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2	
33213-65-9	Endosulfan II	PESTICIDE	NA		< 7.0		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2	
1031-07-8	Endosulfan Sulfate	PESTICIDE	470,000		< 7.0		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2	
72-20-8	Endrin	PESTICIDE	23,000		< 7.0		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2	
58-89-9	gamma-BHC	PESTICIDE	400		< 1.4		< 1.5		< 1.5		< 10		< 1.5		< 1.6		< 1.4		< 7.7		< 1.6		< 1.4		< 1.4		< 1.6		< 1.4	
5103-74-2	Gamma Chlordane	PESTICIDE	NA		< 3.5		< 3.7		< 3.6		< 3.8		< 3.7		< 4.0		< 3.6		< 19		< 3.9		< 3.6		< 3.6		< 3.9		< 3.6	
76-44-8	Heptachlor	PESTICIDE	100		< 7.0		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2	
1024-57-3	Heptachlor Epoxide	PESTICIDE	70		< 7.0		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2	
72-43-5	Methoxychlor	PESTICIDE	390,000		< 35		< 37		< 36		< 38		< 37		< 40		< 36		< 190		< 39		< 36		< 36		< 39		< 36	
56-38-2	Parathion	PESTICIDE	NA		< 350		< 370		< 360		< 380		< 370		< 390		< 360		< 380		< 390		< 360		< 360		< 390		< 360	
1336-36-3	Polychlorinated Biphenyls	PESTICIDE	200		0		0		0		850		0		0		0		430		0		0		0		0		0	
8001-35-2	Toxaphene	PESTICIDE	600		< 140		< 150		< 150		< 150		< 150		< 160		< 140		< 770		< 160		< 140		< 140		< 160		< 140	
	Unit		*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
7429-90-5	Aluminum, Al	METAL	78,000		1240		5390		3710		4900		3260		1320		1390		3360		3810		2280		3610		1360		1830	
7440-36-0	Antimony, Sb	METAL	31		< 3.2		< 3.5		< 3.4		< 3.9		< 4.0		< 3.9		< 3.5		15.5		18.6		< 3.3		< 3.5		< 4.0		< 3.8	
7440-38-2	Arsenic, As	METAL	19		0.9		3.6		2.5		3.1		5		1		1.1		10.9		9.1		1.9		2.2		1.4		1.9	
7440-39-3	Barium, Ba	METAL	16,000		9.86		52.6		30.9		53.5		70.1		16.4		12.4		254		509		16		32.7		10.3		11.7	
7440-41-7	Beryllium, Be	METAL	16		< 0.26		0.33		< 0.27		< 0.31		0.39		< 0.31		< 0.28		< 0.33		< 0.31		< 0.26		< 0.28		< 0.32		< 0.30	
7440-43-9	Cadmium, Cd	METAL	78		< 0.32		0.72		< 0.34		5.41		< 0.40		< 0.39		< 0.35		2.21		1.06		< 0.33		< 0.35		< 0.40		< 0.38	
7440-47-3	Chromium, Cr	METAL	NA		4.06		15.4		9.19		24.4		10.7		4.86		4.5		287		121		10.4		11.1		4.43		8.39	
18540-29-9	Chromium, hexavalent	METAL	240; ACD		< 0.43		< 0.45		< 0.42		0.98		< 0.45		< 0.48		< 0.43		< 0.45		2.08		< 0.42		< 0.43		< 0.46		< 0.44	
16065-83-1	Chromium, trivalent	METAL	120,000		4.06		15.4		9.19		23.4		10.7		4.86		4.5		287		119		10.4		11.1		4.43		8.39	
7440-48-4	Cobalt, Co	METAL	NA		1.2		4.74		2.81		3.55		3.84		1.25		1.26		34.8		28.1		2.02		3.48		1.55		1.81	
7440-50-8	Copper, Cu	METAL	NA		6.22		21.7		13.3		29.6		16.6		4.21		1.57		2930		8320		6.45		15.6		3.18		6.59	
57-12-5	Cyanide	METAL	1,600		< 0.48		< 0.56		< 0.55		< 0.53		< 0.56		< 0.60		0.66		1.32		0.63		4.16		< 0.54		< 0.54		< 0.51	
7439-89-6	Iron, Fe	METAL	NA		2880		9370		7110		10200		6440		2740		2710		96000		45300		4650		7310		2980		4800	
7439-92-1	Lead, Pb	METAL	400		18.7		93.6		42.2		238		61		30.6		19.3		505		594		39.6		54.4		12.3		13.2	
7439-96-5	Manganese, Mn	METAL	11,000		51.9		146		110		148		103		35.4		30.2		570		336		53.8		125		34.3		50.6	
7439-97-6	Mercury, Hg	METAL	23		0.04		0.25		0.15		0.21		0.09		< 0.03		0.05		0.1		0.09		< 0.03		0.09		0.08		< 0.03	
7440-02-0	Nickel, Ni	METAL	1,600		4.35		17.7		11.7		16.2		12.2		4.13		4.13		151		82.8		7.56		14.1		4.95		6.67	
7782-49-2	Selenium, Se	METAL	390		< 1.3		< 1.4		< 1.4		< 1.6		< 1.6		< 1.6		< 1.4		< 1.6		< 1.5		< 1.3		< 1.4		< 1.6		< 1.5	
7440-22-4	Silver, Ag	METAL	390		< 0.32		< 0.35		< 0.34		< 0.39		< 0.40		< 0.39		< 0.35		0.63		2.28		< 0.33		< 0.35		< 0.40		< 0.38	
7440-28-0	Thallium, Ti	METAL	5		< 2.9		< 3.2		< 3.1		< 3.5		< 3.6		< 3.5		< 3.2		< 3.7		< 3.5		< 2.9		< 3.1		< 3.6		< 3.4	
7440-62-2	Vanadium, V	METAL	78		4.94		18.6		12.1		16.1		9.98		6.21		4.55		31.3		22.5		7.45		10.4		5.18		6.57	
7440-66-6	Zinc, Zn	METAL	23,000		22.9		91		52.3		495		97.5		30.5		16.4		1030		600		50		51.4		23.4		16	
	pH	pH	NA		8.85		12		11.69		11.94		9.36		10.75		9.39		8.14		8.44		9.07		9.61		9.07		10.26	
	TPH	TPH	NA		<53		<55		<54		<58		<56		<60		< 54		660		280		< 55		<53		<58		< 54	

Notes: Shaded values indicate an exceedance of NJ RDCSCC.

Notes
ug/kg = micrograms per kilogram (ppb)
mg/kg = milligrams per kilogram (ppm)
ug/L = micrograms per liter
mg/L = milligrams per liter

Table 3: Sample Results in Comparison with NJ RDCSRS
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NJ RDCSRS	WC 34 COMP	WC 35 1-2	WC 35 COMP	WC 36 2-3	WC 36 COMP	WC 37 4-5	WC 37 COMP	WC 38 1-2	WC 38 COMP	WC 39 2-3	WC 39 COMP	WC 40 1-2	WC 40 COMP	WC 41 1-2	WC 41 COMP	WC 42 1-2	WC 42 COMP	WC 43 1-2	WC 43 COMP	WC 44 1-2	WC 44 COMP	WC 45 2-3	WC 45 COMP	DUP WC 45 2-3	DUP WC 45 COMP	WC 46 2-3	WC 46 COMP
	Lab Sample ID			BH70943	BH69796	BH69797	BH68761	BH68762	BH70548	BH70549	BH70550	BH70551	BH70950	BH70951	BH69798	BH69799	BH68759	BH68760	BH70544	BH70545	BH70552	BH70553	BH70570	BH70571	BH70566	BH70567	BH70568	BH70569	BH68757	BH68758
	Date			1/29/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	1/29/2015	1/29/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
630-20-6	1,1,1,2-Tetrachloroethane	VOC	NA		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
71-55-6	1,1,1-Trichloroethane	VOC	290,000		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
79-34-5	1,1,2,2-Tetrachloroethane	VOC	1,000		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
79-00-5	1,1,2-Trichloroethane	VOC	2,000		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
92-52-4	1-1- Biphenyl	SVOC	3,100,000	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
75-34-3	1,1-Dichloroethane	VOC	8,000		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
75-35-4	1,1-Dichloroethene	VOC	11,000		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
95-63-6	1,2,4-Trimethylbenzene	VOC	NA		< 5.1		< 250		< 3.3		< 250		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3	
96-12-8	1,2-Dibromo-3-Chloropropane	VOC	80		< 5.1		< 250		< 3.3		< 80		< 3.0		< 80		< 2.6		< 4.9		< 2.3		< 80		< 80		< 80		< 2.3	
106-93-4	1,2-Dibromoethane	VOC	8		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
95-50-1	1,2-Dichlorobenzene	VOC	5,300,000		< 5.1		< 250		< 3.3		< 250		< 3.0		< 640		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3	
107-06-2	1,2-Dichloroethane	VOC	900		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
78-87-5	1,2-Dichloropropane	VOC	2,000		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
108-67-8	1,3,5-Trimethylbenzene	VOC	NA		< 5.1		< 250		< 3.3		< 250		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3	
541-73-1	1,3-Dichlorobenzene	VOC	5,300,000		< 5.1		< 250		< 3.3		< 250		< 3.0		< 640		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3	
106-46-7	1,4-Dichlorobenzene	VOC	5,000		< 5.1		< 250		< 3.3		< 250		< 3.0		< 640		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3	
123-91-1	1,4-Dioxane	VOC	NA		< 100		< 47		< 65		< 52		< 60		< 83		< 51		< 97		< 45		< 48		< 100		< 86		< 46	
78-93-3	2-Butanone	VOC	3,100,000		< 30		< 14		< 20		< 16		< 18		< 25		< 15		< 29		< 14		< 14		< 35		< 26		< 14	
108-10-1	4-Methyl-2-Pentanone	VOC	NA		< 25		< 12		< 16		< 13		< 15		< 21		< 13		< 24		< 11		< 12		< 29		< 22		< 12	
67-64-1	Acetone	VOC	70,000,000		< 50		2.6		< 33		3.6		< 30		< 42		< 26		< 49		6.5		< 24		< 50		< 43		4.2	
107-02-8	Acrolein	VOC	500		< 25		< 12		< 16		< 13		< 15		< 21		< 13		< 24		< 11		< 12		< 29		< 22		< 12	
107-13-1	Acrylonitrile	VOC	900		< 10		< 4.7		< 6.5		< 5.2		< 6.0		< 8.3		< 5.1		< 9.7		< 4.5		< 4.8		< 12		< 8.6		< 4.6	
71-43-2	Benzene	VOC	2,000		< 5.1		66		< 3.3		< 2.6		< 3.0		0.97		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
92-87-5	Benzidine	SVOC	700	< 540		< 560		< 570		< 540		< 2700		< 560		< 560		< 2600		< 700		< 550		< 560		< 560		< 570		< 540
74-97-5	Bromochloromethane	VOC	NA		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
75-27-4	Bromodichloromethane	VOC	1,000		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
75-25-2	Bromoform	VOC	81,000		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
74-83-9	Bromomethane	VOC	25,000		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
75-15-0	Carbon Disulfide	VOC	7,800,000		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
56-23-5	Carbon Tetrachloride	VOC	600		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
108-90-7	Chlorobenzene	VOC	510,000		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
124-48-1	Chlorodibromomethane	VOC	3,000		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
75-00-3	Chloroethane	VOC	220,000		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
67-66-3	Chloroform	VOC	600		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
74-87-3	Chloromethane	VOC	4,000		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
156-59-2	cis-1,2-Dichloroethene	VOC	230,000		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
74-95-3	Dibromomethane	VOC	NA																											
75-71-8	Dichlorodifluoromethane	VOC	490,000		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
100-41-4	Ethylbenzene	VOC	7,800,000		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
98-82-8	Isopropylbenzene	VOC	NA		< 5.1		< 250		< 3.3		< 250		< 3.0		< 640		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3	
75-09-2	Methylene Chloride	VOC	34,000		1.6		< 2.4		1.7		1.5		0.76		< 4.2		< 2.6		1.5		1		0.72		2.4		1.1		< 2.3	
1634-04-4	Methyl Tert-Butyl Ether	VOC	110,000		< 10		< 4.7		< 6.5		< 5.2		< 6.0		< 8.3		< 5.1		< 9.7		< 4.5		< 4.8		< 12		< 8.6		< 4.6	
91-20-3	Naphthalene	SVOC	6,000	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		130		< 250
104-51-8	n-Butylbenzene	VOC	NA		< 5.1		< 250		< 3.3		< 250		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3	
103-65-1	n-Propylbenzene	VOC	NA		< 5.1		< 250		< 3.3		< 250		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3	
99-87-6	p-Isoproplytoluene	VOC	NA		< 5.1		< 250		< 3.3		< 250		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3	
135-98-8	sec-Butylbenzene	VOC	NA		< 5.1		< 250		< 3.3		< 250		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3	
100-42-5	Styrene	VOC	90,000		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
98-06-6	tert-Butylbenzene	VOC	NA		< 5.1		< 250		< 3.3		< 250		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3	
75-65-0	Tertiary Butyl Alcohol	VOC	1,400,000		< 100		< 47		< 65		< 52		< 60		< 83		< 51		< 97		< 45		< 48		< 120		< 86		< 46	
127-18-4	Tetrachloroethene	VOC	2,000		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
108-88-3	Toluene	VOC	6,300,000		< 5.1		140		< 3.3		< 2.6		< 3.0		200		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
1330-20-7	Total Xylenes	VOC	12,000,000		< 5.1		< 250		< 3.3		< 2.6		< 3.0		550		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
156-60-5	trans-1,2-Dichloroethene	VOC	300,000		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
79-01-6	Trichloroethene	VOC	7,000		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
75-69-4	Trichlorofluoromethane	VOC	23,000,000		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
108-05-4	Vinyl Acetate	VOC	NA		< 51		< 24		< 33		< 26		< 30		< 42		< 26		< 49		< 23		< 24		< 59		< 43		< 23	
75-01-4	Vinyl Chloride	VOC	700		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	

Table 3: Sample Results in Comparison with NJ RDCSRS
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NJ RDCSRS	WC 34 COMP	WC 35 1-2	WC 35 COMP	WC 36 2-3	WC 36 COMP	WC 37 4-5	WC 37 COMP	WC 38 1-2	WC 38 COMP	WC 39 2-3	WC 39 COMP	WC 40 1-2	WC 40 COMP	WC 41 1-2	WC 41 COMP	WC 42 1-2	WC 42 COMP	WC 43 1-2	WC 43 COMP	WC 44 1-2	WC 44 COMP	WC 45 2-3	WC 45 COMP	DUP WC 45 2-3	DUP WC 45 COMP	WC 46 2-3	WC 46 COMP
	Lab Sample ID			BH70943	BH69796	BH69797	BH68761	BH68762	BH70548	BH70549	BH70550	BH70551	BH70950	BH70951	BH69798	BH69799	BH68759	BH68760	BH70544	BH70545	BH70552	BH70553	BH70570	BH70571	BH70566	BH70567	BH70568	BH70569	BH68757	BH68758
	Date			1/29/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	1/29/2015	1/29/2015
	Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
87-68-3	Hexachlorobutadiene	SVOC	6,000	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
122-66-7	1,2- Diphenylhydrazine	SVOC	700	< 360		< 380		< 380		< 360		< 1800		< 370		< 370		< 1800		< 700		< 370		< 370		< 370		< 380		< 360
120-82-1	1,2,4-Trichlorobenzene	VOC	73,000		< 5.1		< 250		< 3.3		< 250		< 3.0		< 640		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3	
95-94-3	1,2,4,5-Tetrachlorobenzene	SVOC	NA	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
58-90-2	2,3,4,6-Tetrachlorophenol	SVOC	NA	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
95-95-4	2,4,5-Trichlorophenol	SVOC	6,100,000	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
88-06-2	2,4,6-Trichlorophenol	SVOC	19,000	< 150		< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140
102-83-2	2,4-Dichlorophenol	SVOC	NA	< 150		< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140
105-67-9	2,4-Dimethylphenol	SVOC	1,200,000	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
51-28-5	2,4-Dinitrophenol	SVOC	120,000	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
121-14-2	2,4-Dinitrotoluene	SVOC	700	< 150		< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140
606-20-2	2,6-Dinitrotoluene	SVOC	700	< 150		< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140
91-58-7	2-Chloronaphthalene	SVOC	NA	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
95-57-8	2-Chlorophenol	SVOC	310,000	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
91-57-6	2-Methylnaphthalene	SVOC	230,000	< 250		< 260		< 260		< 250		< 1200		< 260		120		< 1200		< 510		< 260		< 260		< 260		120		< 250
95-48-7	2-Methylphenol	SVOC	310,000	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 330		< 260		< 260		< 260		< 270		< 250
88-74-4	2-Nitroaniline	SVOC	39,000	< 1800		< 1900		< 1900		< 1800		< 8900		< 1900		< 1900		< 8800		< 3600		< 1800		< 1900		< 1900		< 1900		< 1800
88-75-5	2-Nitrophenol	SVOC	NA	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
91-94-1	3,3-Dichlorobenzidine	SVOC	1,000	< 150		< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140
99-09-2	3-Nitroaniline	SVOC	NA	< 1800		< 1900		< 1900		< 1800		< 8900		< 1900		< 1900		< 8800		< 3600		< 1800		< 1900		< 1900		< 1900		< 1800
534-52-1	4,6-Dinitro-2-methylphenol	SVOC	6,000	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
59-50-7	4-Chloro-3-methylphenol	SVOC	NA	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
106-47-8	4-Chloroaniline	SVOC	NA	< 730		< 750		< 760		< 720		< 3600		< 750		< 750		< 3500		< 1500		< 730		< 750		< 750		< 760		< 720
100-01-6	4-Nitroaniline	SVOC	NA	< 1800		< 1900		< 1900		< 1800		< 8900		< 1900		< 1900		< 8800		< 3600		< 1800		< 1900		< 1900		< 1900		< 1800
100-02-7	4-Nitrophenol	SVOC	NA	< 1800		< 1900		< 1900		< 1800		< 8900		< 1900		< 1900		< 8800		< 3600		< 1800		< 1900		< 1900		< 1900		< 1800
83-32-9	Acenaphthene	SVOC	3,400,000	< 250		< 260		< 260		< 250		< 1200		440		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
208-96-8	Acenaphthylene	SVOC	NA	< 150		< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140
98-86-2	Acetophenone	SVOC	2,000	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
62-53-3	Aniline	SVOC	NA	< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330
120-12-7	Anthracene	SVOC	17,000,000	< 250		< 260		< 260		< 250		< 1200		1200		< 260		810		< 510		< 260		300		< 260		250		< 250
1912-24-9	Atrazine	SVOC	210,000	< 150		< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140
100-52-7	Benzaldehyde	SVOC	6,100,000	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
56-55-3	Benzo-a-Anthracene	SVOC	600	130		330		490		190		620		3100		190		5000		< 510		< 260		830		180		710		140
50-32-8	Benzo-a-Pyrene	SVOC	200	130		400		530		190		< 710		2500		200		4300		< 200		< 150		780		180		640		130
205-99-2	Benzo-b-Fluoranthene	SVOC	600	200		490		680		260		650		4200		270		5800		300		130		1100		270		930		190
207-08-9	Benzo-k-Fluoranthene	SVOC	6,000	< 250		190		230		< 250		< 1200		1300		< 260		2000		< 510		< 260		380		< 260		330		< 250
191-24-2	Benzo-g,h,i-Perylene	SVOC	380,000,000	< 250		400		390		< 250		< 1200		640		160		2000		< 510		< 260		390		120		350		< 250
65-85-0	Benzoic Acid	SVOC	NA	< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330
100-51-6	Benzyl Alcohol	SVOC	NA	< 360		< 380		< 380		< 360		< 1800		< 370		< 370		< 1800		< 730		< 370		< 370		< 370		< 380		< 360
111-44-4	Bis(2-Chloroethyl)ether	SVOC	400	< 150		< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140
108-60-1	Bis(2-Chloroisopropyl)ether	SVOC	23,000	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
117-81-7	Bis(2-Ethylhexyl)Phthalate	SVOC	35,000	< 250		< 260		< 260		< 250		< 1200		940		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
85-68-7	Butylbenzylphthalate	SVOC	1,200,000	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
105-60-2	Caprolactam	SVOC	31,000,000	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
86-74-8	Carbazole	SVOC	24,000	< 1800		< 1900		< 1900		< 1800		< 8900		820		< 1900		< 8800		< 3600		< 1800		< 1900		< 1900		< 1900		< 1800
218-01-9	Chrysene	SVOC	62,000	170		420		550		220		620		2800		230		4800		< 510		< 260		910		230		840		160
75-99-0	Dalapon	SVOC	NA	< 46		< 48		< 47		< 46		< 45		< 48		< 46		< 45		< 46		< 46		< 46		< 47		< 47		< 45
132-64-9	Dibenzofuran	SVOC	NA	< 250		< 260		< 260		< 250		< 1200		240		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
53-70-3	Dibenzo-a,h-Anthracene	SVOC	200	< 150		< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 200		< 150		< 150		< 150		< 150		< 140
84-66-2	Diethyl Phthalate	SVOC	49,000,000	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
131-11-3	Dimethyl Phthalate	SVOC	NA	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
84-74-2	Di-n-Butyl Phthalate	SVOC	6,100,000	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
117-84-0	Di-n-Octyl Phthalate	SVOC	2,400,000	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
206-44-0	Fluoranthene	SVOC	2,300,000	200		530		880		330		1300		5500		340		7200		480		180		1500		410		1800		230
86-73-7	Fluorene	SVOC	2,300,000	< 250		< 260		< 260		< 250		< 1200		420		< 260		< 1200		< 510		< 260		< 260		< 260		130		< 250
118-74-1	Hexachlorobenzene	SVOC	300	< 150		< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140
77-47-4	Hexachlorocyclopentadiene	SVOC	45,000	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
67-72-1	Hexachloroethane	SVOC	35,000	< 150		< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140
193-39-5	Indeno(1,2,3-cd)Pyrene	SVOC	600	< 250		330		410		< 250		< 1200		620		140		2300		< 500		< 260		440		130		410		< 250
78-59-1	Isophorone	SVOC	510,000	< 150		< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140
98-95-3	Nitrobenzene	SVOC	31,000	< 150		< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140
62-75-9	N-Nitrosodimethylamine	SVOC	700	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
621-64-7	N-Nitroso-di-n-Propylamine	SVOC	200	< 150		< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 200		< 150		< 150		< 150		< 150		< 140
86-30-6	N-Nitrosodiphenylamine	SVOC	99,000	< 150		< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140
87-86-5	Pentachlorophenol	SVOC	3,000	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
85-01-8	Phenanthrene	SVOC	NA	180		550		730		260		800		4000		310		3000		280		130		960		260		1500		180
108-95-2	Phenol	SVOC	18000000	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 330		< 260		< 260		< 260		< 270		< 250
129-00-0	Pyrene	SVOC	1,700,000	210		440		750		290		1200		4900		270		6200		460		160		1400		360		1400		190

Table 3: Sample Results in Comparison with NJ RDCSRS
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NJ RDCSRS	WC 34 COMP	WC 35 1-2	WC 35 COMP	WC 36 2-3	WC 36 COMP	WC 37 4-5	WC 37 COMP	WC 38 1-2	WC 38 COMP	WC 39 2-3	WC 39 COMP	WC 40 1-2	WC 40 COMP	WC 41 1-2	WC 41 COMP	WC 42 1-2	WC 42 COMP	WC 43 1-2	WC 43 COMP	WC 44 1-2	WC 44 COMP	WC 45 2-3	WC 45 COMP	DUP WC 45 2-3	DUP WC 45 COMP	WC 46 2-3	WC 46 COMP
	Lab Sample ID			BH70943	BH69796	BH69797	BH68761	BH68762	BH70548	BH70549	BH70550	BH70551	BH70950	BH70951	BH69798	BH69799	BH68759	BH68760	BH70544	BH70545	BH70552	BH70553	BH70570	BH70571	BH70566	BH70567	BH70568	BH70569	BH68757	BH68758
	Date			1/29/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	1/29/2015	1/29/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
93-76-5	2,4,5-T	HERBICIDE	NA	< 46		< 48		< 47		< 46		< 45		< 48		< 46		< 45		< 46		< 46		< 46		< 47		< 47		< 45
93-72-1	2,4,5-TP Acid	PESTICIDE	NA	< 46		< 48		< 47		< 46		< 45		< 48		< 46		< 45		< 46		< 46		< 46		< 47		< 47		< 45
94-75-7	2,4-D	HERBICIDE	NA	< 46		< 48		< 47		< 46		< 45		< 48		< 46		< 45		< 46		< 46		< 46		< 47		< 47		< 45
72-54-8	4,4-DDD	PESTICIDE	3,000	< 2.2		< 2.3		< 2.2		< 2.2		< 2.1		< 2.3		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2		< 2.1
72-55-9	4,4-DDE	PESTICIDE	2,000	< 2.2		< 2.3		< 2.2		< 2.2		< 2.1		< 2.3		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2		< 2.1
50-29-3	4,4-DDT	PESTICIDE	2,000	< 2.2		< 2.3		< 2.2		< 2.2		< 2.1		< 2.3		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2		< 2.1
309-00-2	Aldrin	PESTICIDE	40	< 3.7		< 3.8		< 3.7		< 3.7		< 3.6		< 3.8		< 3.7		< 3.6		< 3.6		< 3.6		< 3.6		< 3.7		< 3.7		< 3.6
319-84-6	alpha-BHC	PESTICIDE	100	< 7.4		< 7.6		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5		< 7.1
5103-71-9	Alpha Chlordane	PESTICIDE	NA	< 3.7		< 3.8		< 3.7		11		< 3.6		< 3.8		< 3.7		< 3.6		< 3.6		< 3.6		< 3.6		< 3.7		< 3.7		< 3.6
12674-11-2	Aroclor 1016	PCB	NA	< 74		< 76		< 75		< 74		< 72		870		< 73		< 72		< 73		< 73		< 73		< 74		< 75		< 71
1104-28-2	Aroclor 1221	PCB	NA	< 74		< 76		< 75		< 74		< 72		< 75		< 73		< 72		< 73		< 73		< 73		< 74		< 75		< 71
11141-16-5	Aroclor 1232	PCB	NA	< 74		< 76		< 75		< 74		< 72		< 75		< 73		< 72		< 73		< 73		< 73		< 74		< 75		< 71
53469-21-9	Aroclor 1242	PCB	NA	< 74		< 76		< 75		< 74		< 72		< 75		< 73		< 72		< 73		< 73		< 73		< 74		< 75		< 71
12672-29-6	Aroclor 1248	PCB	NA	< 74		< 76		< 75		< 74		< 72		< 75		< 73		< 72		< 73		< 73		< 73		< 74		< 75		< 71
11097-69-1	Aroclor 1254	PCB	NA	< 74		< 76		< 75		< 74		< 72		< 75		< 73		< 72		< 73		< 73		< 73		< 74		< 75		< 71
11096-82-5	Aroclor 1260	PCB	NA	< 74		< 76		< 75		< 74		< 72		< 75		< 73		< 72		< 73		< 73		< 73		< 74		< 75		< 71
11096-82-5	Aroclor 1262	PCB	NA	< 74		< 76		< 75		< 74		< 72		< 75		< 73		< 72		< 73		< 73		< 73		< 74		< 75		< 71
37324-23-5	Aroclor 1268	PCB	NA	< 74		< 76		< 75		< 74		< 72		< 75		< 73		< 72		< 73		< 73		< 73		< 74		< 75		< 71
319-85-7	beta-BHC	PESTICIDE	400	< 7.4		< 7.6		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5		< 7.1
57-74-9	Chlordane	PESTICIDE	200	< 37		< 38		< 37		71		< 36		< 38		< 37		< 36		< 36		< 36		< 36		< 37		< 37		< 36
319-86-8	delta-BHC	PESTICIDE	NA	< 7.4		< 7.6		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5		< 7.1
1918-00-9	Dicamba	HERBICIDE	NA	< 93		< 96		< 94		< 92		< 90		< 96		< 93		< 89		< 93		< 93		< 92		< 94		< 95		< 90
60-57-1	Dieldrin	PESTICIDE	40	< 3.7		< 3.8		< 3.7		< 3.7		< 3.6		< 3.8		< 3.7		< 3.6		< 3.6		< 3.6		< 3.6		< 3.7		< 3.7		< 3.6
115-29-7	Endosulfan	PESTICIDE	470,000	< 7.4		< 7.6		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5		< 7.1
959-98-8	Endosulfan I	PESTICIDE	NA	< 7.4		< 7.6		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5		< 7.1
33213-65-9	Endosulfan II	PESTICIDE	NA	< 7.4		< 7.6		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5		< 7.1
1031-07-8	Endosulfan Sulfate	PESTICIDE	470,000	< 7.4		< 7.6		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5		< 7.1
72-20-8	Endrin	PESTICIDE	23,000	< 7.4		< 7.6		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5		< 7.1
58-89-9	gamma-BHC	PESTICIDE	400	< 1.5		< 1.5		< 1.5		< 1.5		< 1.4		< 10		< 1.5		< 1.4		< 1.5		< 1.5		< 1.5		< 1.5		< 1.5		< 1.4
5103-74-2	Gamma Chlordane	PESTICIDE	NA	< 3.7		< 3.8		< 3.7		11		< 3.6		< 3.8		< 3.7		< 3.6		< 3.6		< 3.6		< 3.6		< 3.7		< 3.7		< 3.6
76-44-8	Heptachlor	PESTICIDE	100	< 7.4		< 7.6		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5		< 7.1
1024-57-3	Heptachlor Epoxide	PESTICIDE	70	< 7.4		< 7.6		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5		< 7.1
72-43-5	Methoxychlor	PESTICIDE	390,000	< 37		< 38		< 37		< 37		< 36		< 38		< 37		< 36		< 36		< 36		< 36		< 37		< 37		< 36
56-38-2	Parathion	PESTICIDE	NA	< 360		< 380		< 380		< 5		< 5		< 370		< 370		< 350		< 5		< 5		< 5		< 5		< 5		< 360
1336-36-3	Polychlorinated Biphenyls	PESTICIDE	200	0		0		0		0		0		870		0		0		0		0		0		0		0		0
8001-35-2	Toxaphene	PESTICIDE	600	< 150		< 150		< 150		< 150		< 140		< 150		< 150		< 140		< 150		< 150		< 150		< 150		< 150		< 140
	Unit		*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
7429-90-5	Aluminum, Al	METAL	78,000	3390		2850		2900		4000		5020		10100		2110		2130		5970		3690		2470		3150		1890		2150
7440-36-0	Antimony, Sb	METAL	31	< 3.3		< 3.4		< 3.7		< 3.5		< 3.8		< 10		< 3.8		< 3.3		< 3.3		< 3.5		< 3.5		< 4.1		< 3.5		< 3.7
7440-38-2	Arsenic, As	METAL	19	4.3		5.1		4		2.6		5		4.5		2.2		2.6		4.9		2.3		3.1		3.5		4.2		2.1
7440-39-3	Barium, Ba	METAL	16,000	44.1		44.6		82.5		37.5		46.1		96.1		30.2		110		59.3		29.2		128		94.9		111		38.7
7440-41-7	Beryllium, Be	METAL	16	0.32		0.3		< 0.30		< 0.28		0.31		0.35		< 0.31		< 0.26		0.34		< 0.28		< 0.28		< 0.32		< 0.28		< 0.30
7440-43-9	Cadmium, Cd	METAL	78	0.37		< 0.34		< 0.37		0.87		0.67		20.6		< 0.38		< 0.33		< 0.33		0.6		0.64		< 0.41		< 0.35		< 0.37
7440-47-3	Chromium, Cr	METAL	NA	11.1		8.64		9.27		13.2		14.7		58.9		7.2		7.11		14.5		10.6		10.7		8.61		7.92		7.2
18540-29-9	Chromium, hexavalent	METAL	240; ACD	< 0.44		< 0.47		< 0.45		< 0.43		< 0.42		1.14		< 0.45		< 0.43		< 0.45		< 0.45		< 0.45		< 0.45		< 0.46		< 0.43
16065-83-1	Chromium, trivalent	METAL	120,000	11.1		8.64		9.27		13.2		14.7		57.8		7.2		7.11		14.5		10.6		10.7		8.61		7.92		7.2
7440-48-4	Cobalt, Co	METAL	NA	4.44		4.19		4.14		4.26		6.14		4.65		1.9		1.8		4.81		3.44		2.34		2.79		2.38		1.92
7440-50-8	Copper, Cu	METAL	NA	18.5		17.6		23.2		21.7		55.2		59.9		11		25.5		16.2		14.4		73.1		39.1		31.9		18.4
57-12-5	Cyanide	METAL	1,600	< 0.56		< 0.58		< 0.57		< 0.51		< 0.54		< 0.57		< 0.56		< 0.54		< 0.56		< 0.51		< 0.47		< 0.57		< 0.57		< 0.49
7439-89-6	Iron, Fe	METAL	NA	12100		7930		7140		8860		12300		15400		4820		4260		10800		8870		7540		5960		6210		4600
7439-92-1	Lead, Pb	METAL	400	50.9		35.2		188		65.4		88.5		712		72.6		212		57.8		41.8		253		207		212		84.8
7439-96-5	Manganese, Mn	METAL	11,000	138		110		114		136		333		217		54.7		61.8		234		113		101		98.2		64.1		66.5
7439-97-6	Mercury, Hg	METAL	23	0.1		0.65		0.1		0.05		0.09		0.4		0.08		0.42		0.21		0.07		0.48		0.53		0.18		0.2
7440-02-0	Nickel, Ni	METAL	1,600	11		10.3		9.85		18.6		22.3		23.1		6.29		6.31		19.8		16.6		9.81		9.78		7.95		6.11
7782-49-2	Selenium, Se	METAL	390	< 1.3		< 1.4		< 1.5		< 1.4		< 1.5		< 1.6		< 1.5		< 1.3		< 1.3		< 1.4		< 1.4		< 1.6		< 1.4		< 1.5
7440-22-4	Silver, Ag	METAL	390	< 0.33		< 0.34		< 0.37		< 0.35		< 0.38		< 1.0		< 0.38		< 0.33		< 0.33		< 0.35		< 0.35		< 0.41		< 0.35		< 0.37
7440-28-0	Thallium, Ti	METAL	5	< 3.0		< 3.1		< 3.4		< 3.1		< 3.4		< 3.5		< 3.5		< 2.9		< 3.0		< 3.1		< 3.2		< 3.7		< 3.1		< 3.4
7440-62-2	Vanadium, V	METAL	78	14.6		11.3		12.6		13.1		20.2		25		6.69		7.51		17.5		11.2		9.11		12.7		9.61		7.57
7440-66-6	Zinc, Zn	METAL	23,000	109		51		102		102		95.6		840		57.6		188		75.9		64.7		236		164		153		84.3
	pH	pH	NA	10.51		9.48		10.52		9.48		9.11		11.2		9.01		11.09		10.29		11.73		9.03		9.02		8.91		10.92
	TPH	TPH	NA	<54		<57		< 56		< 55		58		75		<56		< 53		< 55		< 55		< 55		< 57		< 56		< 53

Notes: Shaded values indicate an exceedance of NJ RDCSCC.

Notes
ug/kg = micrograms per kilogram (ppb)
mg/kg = milligrams per kilogram (ppm)
ug/L = micrograms per liter
mg/L = milligrams per liter

Table 3: Sample Results in Comparison with NJ RDCSRS
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NJ RDCSRS	WC 47 2-3	WC 47 COMP	WC 48 2-3	WC 48 COMP	WC 49 1-2	WC 49 COMP	WC 50 2-3	WC 50 COMP	WC 51 2-3	WC 51 COMP	DUP WC 51 2-3	DUP WC 51 COMP	WC 52 2-3 GRAB	WC 52 2-3 COMP	WC 53 6-7 GRAB	WC 53 COMP	WC 54 3-4 GRAB	WC 54 COMP	WC 55 2-3	WC 55 COMP	WC 56 4-5 GRAB	WC 56 COMP	WC 57 2-3	WC 57 COMP
	Lab Sample ID			BH70546	BH70547	BH70542	BH70543	BH70560	BH70561	BH70558	BH70559	BH70554	BH70555	BH70556	BH70557	BH67409	BH67410	BH67413	BH67414	BH67415	BH67416	BH68755	BH68756	BH67411	BH67412	BH68753	BH68754
	Date			2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/29/2015	1/29/2015	1/26/2015	1/26/2015	1/29/2015	1/29/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
630-20-6	1,1,1,2-Tetrachloroethane	VOC	NA	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
71-55-6	1,1,1-Trichloroethane	VOC	290,000	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
79-34-5	1,1,2,2-Tetrachloroethane	VOC	1,000	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
79-00-5	1,1,2-Trichloroethane	VOC	2,000	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
92-52-4	1-1- Biphenyl	SVOC	3,100,000		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
75-34-3	1,1-Dichloroethane	VOC	8,000	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
75-35-4	1,1-Dichloroethene	VOC	11,000	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
95-63-6	1,2,4-Trimethylbenzene	VOC	NA	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 260		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
96-12-8	1,2-Dibromo-3-Chloropropane	VOC	80	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 80		< 80		< 2.6		< 2.3		< 260		< 80		< 260	
106-93-4	1,2-Dibromoethane	VOC	8	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
95-50-1	1,2-Dichlorobenzene	VOC	5,300,000	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 260		< 230		< 2.6		< 2.3		< 260		< 250		< 260	
107-06-2	1,2-Dichloroethane	VOC	900	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
78-87-5	1,2-Dichloropropane	VOC	2,000	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
108-67-8	1,3,5-Trimethylbenzene	VOC	NA	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 260		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
541-73-1	1,3-Dichlorobenzene	VOC	5,300,000	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 260		< 230		< 2.6		< 2.3		< 260		< 250		< 260	
106-46-7	1,4-Dichlorobenzene	VOC	5,000	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 260		< 230		< 2.6		< 2.3		< 260		< 250		< 260	
123-91-1	1,4-Dioxane	VOC	NA	< 44		< 67		< 49		< 48		< 65		< 70		< 54		< 51		< 45		< 49		< 56		< 5200	
78-93-3	2-Butanone	VOC	3,100,000	< 13		< 20		< 15		< 14		< 20		< 21		< 16		< 15		< 14		< 15		< 17		< 1600	
108-10-1	4-Methyl-2-Pentanone	VOC	NA	< 11		< 17		< 12		< 12		< 16		< 18		< 14		< 13		< 11		< 12		< 14		< 1300	
67-64-1	Acetone	VOC	70,000,000	< 22		< 34		5.7		6.1		< 33		< 35		< 27		< 26		< 23		< 25		< 28		< 2600	
107-02-8	Acrolein	VOC	500	< 11		< 17		< 12		< 12		< 16		< 18		< 14		< 13		< 11		< 12		< 14		< 1300	
107-13-1	Acrylonitrile	VOC	900	< 4.4		< 6.7		< 4.9		< 4.8		< 6.5		< 7.0		< 5.4		< 5.1		< 4.5		< 4.9		< 5.6		< 520	
71-43-2	Benzene	VOC	2,000	< 2.2		< 3.4		< 2.5		0.56		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
92-87-5	Benzidine	SVOC	700		< 550		< 550		< 560		< 560		< 540		< 530		< 550		< 1100		< 550		< 550		< 600		< 560
74-97-5	Bromochloromethane	VOC	NA	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
75-27-4	Bromodichloromethane	VOC	1,000	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
75-25-2	Bromoform	VOC	81,000	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
74-83-9	Bromomethane	VOC	25,000	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
75-15-0	Carbon Disulfide	VOC	7,800,000	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
56-23-5	Carbon Tetrachloride	VOC	600	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
108-90-7	Chlorobenzene	VOC	510,000	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
124-48-1	Chlorodibromomethane	VOC	3,000	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
75-00-3	Chloroethane	VOC	220,000	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
67-66-3	Chloroform	VOC	600	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		0.55		< 2.5		< 2.8		94	
74-87-3	Chloromethane	VOC	4,000	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
156-59-2	cis-1,2-Dichloroethene	VOC	230,000	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
74-95-3	Dibromomethane	VOC	NA																								
75-71-8	Dichlorodifluoromethane	VOC	490,000	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
100-41-4	Ethylbenzene	VOC	7,800,000	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
98-82-8	Isopropylbenzene	VOC	NA	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 260		< 230		< 2.6		< 2.3		< 260		< 250		< 260	
75-09-2	Methylene Chloride	VOC	34,000	0.57		2		0.56		0.52		1		1.4		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		130	
1634-04-4	Methyl Tert-Butyl Ether	VOC	110,000	< 4.4		< 6.7		< 4.9		< 4.8		< 6.5		< 7.0		< 5.4		< 5.1		< 4.5		< 4.9		< 5.6		< 520	
91-20-3	Naphthalene	SVOC	6,000		< 250		< 260		220		< 260		< 250		< 250		140		< 500		< 260		< 260		160		< 260
104-51-8	n-Butylbenzene	VOC	NA	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 260		< 230		< 2.6		< 2.3		< 260		< 250		< 260	
103-65-1	n-Propylbenzene	VOC	NA	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 260		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
99-87-6	p-Isoproplytoluene	VOC	NA	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 260		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
135-98-8	sec-Butylbenzene	VOC	NA	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 260		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
100-42-5	Styrene	VOC	90,000	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
98-06-6	tert-Butylbenzene	VOC	NA	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 260		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
75-65-0	Tertiary Butyl Alcohol	VOC	1,400,000	< 44		< 67		< 49		< 48		< 65		< 70		< 54		< 51		< 45		< 49		< 56		< 5200	
127-18-4	Tetrachloroethene	VOC	2,000	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
108-88-3	Toluene	VOC	6,300,000	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		0.9		< 2.7		< 2.6		< 2.3		< 2.5		0.52		< 260	
1330-20-7	Total Xylenes	VOC	12,000,000	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
156-60-5	trans-1,2-Dichloroethene	VOC	300,000	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
79-01-6	Trichloroethene	VOC	7,000	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
75-69-4	Trichlorofluoromethane	VOC	23,000,000	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
108-05-4	Vinyl Acetate	VOC	NA	< 22		< 34		< 25		< 24		< 33		< 35		< 27		< 26		< 23		< 25		< 28		< 2600	
75-01-4	Vinyl Chloride	VOC	700	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	

Table 3: Sample Results in Comparison with NJ RDCSRS
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NJ RDCSRS	WC 47 2-3	WC 47 COMP	WC 48 2-3	WC 48 COMP	WC 49 1-2	WC 49 COMP	WC 50 2-3	WC 50 COMP	WC 51 2-3	WC 51 COMP	DUP WC 51 2-3	DUP WC 51 COMP	WC 52 2-3 GRAB	WC 52 2-3 COMP	WC 53 6-7 GRAB	WC 53 COMP	WC 54 3-4 GRAB	WC 54 COMP	WC 55 2-3	WC 55 COMP	WC 56 4-5 GRAB	WC 56 COMP	WC 57 2-3	WC 57 COMP
	Lab Sample ID			BH70546	BH70547	BH70542	BH70543	BH70560	BH70561	BH70558	BH70559	BH70554	BH70555	BH70556	BH70557	BH67409	BH67410	BH67413	BH67414	BH67415	BH67416	BH68755	BH68756	BH67411	BH67412	BH68753	BH68754
	Date			2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/29/2015	1/29/2015	1/26/2015	1/26/2015	1/29/2015	1/29/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
87-68-3	Hexachlorobutadiene	SVOC	6,000		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
122-66-7	1,2- Diphenylhydrazine	SVOC	700		< 360		< 360		< 370		< 370		< 360		< 360		< 370		< 710		< 370		< 370		< 400		< 370
120-82-1	1,2,4-Trichlorobenzene	VOC	73,000	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 260		< 230		< 2.6		< 2.3		< 260		< 250		< 260	
95-94-3	1,2,4,5-Tetrachlorobenzene	SVOC	NA		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
58-90-2	2,3,4,6-Tetrachlorophenol	SVOC	NA		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
95-95-4	2,4,5-Trichlorophenol	SVOC	6,100,000		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
88-06-2	2,4,6-Trichlorophenol	SVOC	19,000		< 150		< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
102-83-2	2,4-Dichlorophenol	SVOC	NA		< 150		< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
105-67-9	2,4-Dimethylphenol	SVOC	1,200,000		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
51-28-5	2,4-Dinitrophenol	SVOC	120,000		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
121-14-2	2,4-Dinitrotoluene	SVOC	700		< 150		< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
606-20-2	2,6-Dinitrotoluene	SVOC	700		< 150		< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
91-58-7	2-Chloronaphthalene	SVOC	NA		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
95-57-8	2-Chlorophenol	SVOC	310,000		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
91-57-6	2-Methylnaphthalene	SVOC	230,000		< 250		< 260		140		< 260		< 250		< 250		160		< 500		< 260		< 260		250		< 260
95-48-7	2-Methylphenol	SVOC	310,000		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
88-74-4	2-Nitroaniline	SVOC	39,000		< 1800		< 1800		< 1900		< 1900		< 1800		< 1800		< 1800		< 3600		< 1800		< 1800		< 2000		< 1900
88-75-5	2-Nitrophenol	SVOC	NA		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
91-94-1	3,3-Dichlorobenzidine	SVOC	1,000		< 150		< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
99-09-2	3-Nitroaniline	SVOC	NA		< 1800		< 1800		< 1900		< 1900		< 1800		< 1800		< 1800		< 3600		< 1800		< 1800		< 2000		< 1900
534-52-1	4,6-Dinitro-2-methylphenol	SVOC	6,000		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
59-50-7	4-Chloro-3-methylphenol	SVOC	NA		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
106-47-8	4-Chloroaniline	SVOC	NA		< 730		< 730		< 740		< 740		< 720		< 710		< 730		< 1400		< 740		< 740		< 790		< 740
100-01-6	4-Nitroaniline	SVOC	NA		< 1800		< 1800		< 1900		< 1900		< 1800		< 1800		< 1800		< 3600		< 1800		< 1800		< 2000		< 1900
100-02-7	4-Nitrophenol	SVOC	NA		< 1800		< 1800		< 1900		< 1900		< 1800		< 1800		< 1800		< 3600		< 1800		< 1800		< 2000		< 1900
83-32-9	Acenaphthene	SVOC	3,400,000		< 250		180		< 260		120		< 250		< 250		140		< 500		< 260		< 260		< 280		< 260
208-96-8	Acenaphthylene	SVOC	NA		< 150		< 150		< 150		< 150		< 140		< 140		170		< 280		< 150		< 150		< 160		< 150
98-86-2	Acetophenone	SVOC	2,000		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
62-53-3	Aniline	SVOC	NA		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330
120-12-7	Anthracene	SVOC	17,000,000		130		480		< 260		530		< 250		< 250		350		< 500		< 260		< 260		< 280		< 260
1912-24-9	Atrazine	SVOC	210,000		< 150		< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
100-52-7	Benzaldehyde	SVOC	6,100,000		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
56-55-3	Benzo-a-Anthracene	SVOC	600		340		1200		320		790		< 250		< 250		1500		270		< 260		< 260		240		< 260
50-32-8	Benzo-a-Pyrene	SVOC	200		300		930		380		800		130		130		1300		270		< 150		< 150		210		< 150
205-99-2	Benzo-b-Fluoranthene	SVOC	600		410		1200		520		1200		220		220		2200		430		130		< 260		340		< 260
207-08-9	Benzo-k-Fluoranthene	SVOC	6,000		160		440		220		410		< 250		< 250		940		< 500		< 260		< 260		150		< 260
191-24-2	Benzo-g,h,i-Perylene	SVOC	380,000,000		140		490		300		230		< 250		< 250		390		< 500		< 260		< 260		< 280		< 260
65-85-0	Benzoic Acid	SVOC	NA		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330
100-51-6	Benzyl Alcohol	SVOC	NA		< 360		< 360		< 370		< 370		< 360		< 360		< 370		< 710		< 370		< 370		< 400		< 370
111-44-4	Bis(2-Chloroethyl)ether	SVOC	400		< 150		< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
108-60-1	Bis(2-Chloroisopropyl)ether	SVOC	23,000		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
117-81-7	Bis(2-Ethylhexyl)Phthalate	SVOC	35,000		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
85-68-7	Butylbenzylphthalate	SVOC	1,200,000		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
105-60-2	Caprolactam	SVOC	31,000,000		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
86-74-8	Carbazole	SVOC	24,000		< 1800		< 1800		< 1900		< 1900		< 1800		< 1800		< 1800		< 3600		< 1800		< 1800		< 2000		< 1900
218-01-9	Chrysene	SVOC	62,000		370		1200		490		1000		190		170		1700		300		< 260		< 260		270		< 260
75-99-0	Dalapon	SVOC	NA		< 47		< 45		< 47		< 47		< 46		< 45		< 46		< 45		< 47		< 46		< 50		< 47
132-64-9	Dibenzofuran	SVOC	NA		< 250		< 260		< 260		< 260		< 250		< 250		130		< 500		< 260		< 260		< 280		< 260
53-70-3	Dibenzo-a,h-Anthracene	SVOC	200		< 150		120		< 150		< 150		< 140		< 140		120		< 280		< 150		< 150		< 160		< 150
84-66-2	Diethyl Phthalate	SVOC	49,000,000		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
131-11-3	Dimethyl Phthalate	SVOC	NA		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
84-74-2	Di-n-Butyl Phthalate	SVOC	6,100,000		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
117-84-0	Di-n-Octyl Phthalate	SVOC	2,400,000		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
206-44-0	Fluoranthene	SVOC	2,300,000		690		2600		1200		1600		310		290		2500		370		150		< 260		330		< 260
86-73-7	Fluorene	SVOC	2,300,000		< 250		180		150		230		< 250		< 250		150		< 500		< 260		< 260		< 280		< 260
118-74-1	Hexachlorobenzene	SVOC	300		< 150		< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
77-47-4	Hexachlorocyclopentadiene	SVOC	45,000		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
67-72-1	Hexachloroethane	SVOC	35,000		< 150		< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
193-39-5	Indeno(1,2,3-cd)Pyrene	SVOC	600		160		530		260		< 260		< 250		< 250		500		< 500		< 260		< 260		< 280		< 260
78-59-1	Isophorone	SVOC	510,000		< 150		< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
98-95-3	Nitrobenzene	SVOC	31,000		< 150		< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
62-75-9	N-Nitrosodimethylamine	SVOC	700		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
621-64-7	N-Nitroso-di-n-Propylamine	SVOC	200		< 150		< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
86-30-6	N-Nitrosodiphenylamine	SVOC	99,000		< 150		< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
87-86-5	Pentachlorophenol	SVOC	3,000		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
85-01-8	Phenanthrene	SVOC	NA		520		2000		1200		2000		300		220		2500		< 280		110		< 150		390		< 150
108-95-2	Phenol	SVOC	18000000		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
129-00-0	Pyrene	SVOC	1,700,000		580		2100		1000		1100		240		220		2000		320		140		< 260		340		< 260

Table 3: Sample Results in Comparison with NJ RDCSRS
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NJ RDCSRS	WC 47 2-3	WC 47 COMP	WC 48 2-3	WC 48 COMP	WC 49 1-2	WC 49 COMP	WC 50 2-3	WC 50 COMP	WC 51 2-3	WC 51 COMP	DUP WC 51 2-3	DUP WC 51 COMP	WC 52 2-3 GRAB	WC 52 2-3 COMP	WC 53 6-7 GRAB	WC 53 COMP	WC 54 3-4 GRAB	WC 54 COMP	WC 55 2-3	WC 55 COMP	WC 56 4-5 GRAB	WC 56 COMP	WC 57 2-3	WC 57 COMP
	Lab Sample ID			BH70546	BH70547	BH70542	BH70543	BH70560	BH70561	BH70558	BH70559	BH70554	BH70555	BH70556	BH70557	BH67409	BH67410	BH67413	BH67414	BH67415	BH67416	BH68755	BH68756	BH67411	BH67412	BH68753	BH68754
	Date			2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/29/2015	1/29/2015	1/26/2015	1/26/2015	1/29/2015	1/29/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
93-76-5	2,4,5-T	HERBICIDE	NA		< 47		< 45		< 47		< 47		< 46		< 45		< 46		< 45		< 47		< 46		< 50		< 47
93-72-1	2,4,5-TP Acid	PESTICIDE	NA		< 47		< 45		< 47		< 47		< 46		< 45		< 46		< 45		< 47		< 46		< 50		< 47
94-75-7	2,4-D	HERBICIDE	NA		< 47		< 45		< 47		< 47		< 46		< 45		< 46		< 45		< 47		< 46		< 50		< 47
72-54-8	4,4-DDD	PESTICIDE	3,000		< 2.2		< 2.1		< 2.2		7.6		< 2.2		< 2.2		< 2.2		< 2.1		< 2.3		< 2.2		< 2.4		< 2.3
72-55-9	4,4-DDE	PESTICIDE	2,000		< 2.2		< 2.1		< 2.2		4		< 2.2		< 2.2		< 2.2		< 2.1		< 2.3		4.5		< 2.4		< 2.3
50-29-3	4,4-DDT	PESTICIDE	2,000		< 2.2		< 2.1		< 2.2		5.7		< 2.2		< 2.2		< 2.2		< 2.1		< 2.3		11		< 2.4		< 2.3
309-00-2	Aldrin	PESTICIDE	40		< 3.7		< 3.6		< 3.7		< 3.8		< 3.6		< 3.6		< 3.7		< 3.6		< 3.8		< 3.6		< 4.0		< 3.8
319-84-6	alpha-BHC	PESTICIDE	100		< 7.5		< 7.1		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
5103-71-9	Alpha Chlordane	PESTICIDE	NA		< 3.7		< 3.6		< 3.7		< 3.8		< 3.6		< 3.6		< 3.7		< 3.6		< 3.8		< 3.6		< 4.0		< 3.8
12674-11-2	Aroclor 1016	PCB	NA		< 75		< 71		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
1104-28-2	Aroclor 1221	PCB	NA		< 75		< 71		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
11141-16-5	Aroclor 1232	PCB	NA		< 75		< 71		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
53469-21-9	Aroclor 1242	PCB	NA		< 75		< 71		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
12672-29-6	Aroclor 1248	PCB	NA		< 75		< 71		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
11097-69-1	Aroclor 1254	PCB	NA		< 75		< 71		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
11096-82-5	Aroclor 1260	PCB	NA		< 75		< 71		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
11096-82-5	Aroclor 1262	PCB	NA		< 75		< 71		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
37324-23-5	Aroclor 1268	PCB	NA		< 75		< 71		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
319-85-7	beta-BHC	PESTICIDE	400		< 7.5		< 7.1		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
57-74-9	Chlordane	PESTICIDE	200		< 37		< 36		< 37		< 38		< 36		< 36		< 37		< 36		< 38		< 36		< 40		< 38
319-86-8	delta-BHC	PESTICIDE	NA		< 7.5		< 7.1		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
1918-00-9	Dicamba	HERBICIDE	NA		< 93		< 91		< 94		< 94		< 91		< 90		< 92		< 89		< 94		< 92		< 99		< 93
60-57-1	Dieldrin	PESTICIDE	40		< 3.7		< 3.6		< 3.7		< 3.8		< 3.6		< 3.6		< 3.7		< 3.6		< 3.8		< 3.6		< 4.0		< 3.8
115-29-7	Endosulfan	PESTICIDE	470,000		< 7.5		< 7.1		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
959-98-8	Endosulfan I	PESTICIDE	NA		< 7.5		< 7.1		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
33213-65-9	Endosulfan II	PESTICIDE	NA		< 7.5		< 7.1		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
1031-07-8	Endosulfan Sulfate	PESTICIDE	470,000		< 7.5		< 7.1		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
72-20-8	Endrin	PESTICIDE	23,000		< 7.5		< 7.1		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
58-89-9	gamma-BHC	PESTICIDE	400		< 1.5		< 1.4		< 1.5		< 1.5		< 1.5		< 1.5		< 1.5		< 1.4		< 1.5		< 1.5		< 1.6		< 1.5
5103-74-2	Gamma Chlordane	PESTICIDE	NA		< 3.7		< 3.6		< 3.7		< 3.8		< 3.6		< 3.6		< 3.7		< 3.6		< 3.8		< 3.6		< 4.0		< 3.8
76-44-8	Heptachlor	PESTICIDE	100		< 7.5		< 7.1		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
1024-57-3	Heptachlor Epoxide	PESTICIDE	70		< 7.5		< 7.1		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
72-43-5	Methoxychlor	PESTICIDE	390,000		< 37		< 36		< 37		< 38		< 36		< 36		< 37		< 36		< 38		< 36		< 40		< 38
56-38-2	Parathion	PESTICIDE	NA		< 5		< 5		< 370		< 5		< 5		< 5		< 330		< 330		< 330		< 370		< 330		< 370
1336-36-3	Polychlorinated Biphenyls	PESTICIDE	200		0		0		0		0		0		0		0		0		0		0		0		0
8001-35-2	Toxaphene	PESTICIDE	600		< 150		< 140		< 150		< 150		< 150		< 150		< 150		< 140		< 150		< 150		< 160		< 150
	Unit		*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
7429-90-5	Aluminum, Al	METAL	78,000		6880		7110		8340		3250		1380		1330		3190		3180		2110		1360		1830		1990
7440-36-0	Antimony, Sb	METAL	31		< 3.5		< 3.4		< 3.5		< 3.5		< 3.5		< 3.4		< 3.8		< 3.8		< 3.7		< 3.7		< 4.2		< 3.9
7440-38-2	Arsenic, As	METAL	19		3.9		4.8		4.2		3.5		1.3		2.4		3.5		3.2		2.1		1		4.6		1
7440-39-3	Barium, Ba	METAL	16,000		244		154		58.4		53.4		606		780		284		71.1		40.8		11.3		147		19.9
7440-41-7	Beryllium, Be	METAL	16		0.9		0.43		0.5		< 0.28		< 0.28		< 0.27		< 0.31		< 0.31		< 0.30		< 0.29		< 0.34		< 0.31
7440-43-9	Cadmium, Cd	METAL	78		0.4		< 0.34		< 0.35		< 0.35		< 0.35		0.52		< 0.38		< 0.38		0.37		< 0.37		1.16		< 0.39
7440-47-3	Chromium, Cr	METAL	NA		15.6		15.9		20.9		15.6		7.87		7.22		18.6		14		6.77		4.66		9.58		5.44
18540-29-9	Chromium, hexavalent	METAL	240; ACD		< 0.45		< 0.46		< 0.44		< 0.45		0.56		0.81		2.21		< 0.43		< 0.45		< 0.44		< 0.46		< 0.45
16065-83-1	Chromium, trivalent	METAL	120,000		15.6		15.9		20.9		15.6		7.31		6.41		16.4		14		6.77		4.66		9.58		5.44
7440-48-4	Cobalt, Co	METAL	NA		6.34		9.25		7.53		4.02		1.36		1.61		3.46		3.31		2.17		1.27		2.71		2.91
7440-50-8	Copper, Cu	METAL	NA		35.8		24.4		20.6		21.2		7.54		11.1		22.2		32.6		17.9		4.06		27.1		7.35
57-12-5	Cyanide	METAL	1,600		< 0.56		< 0.55		< 0.57		< 0.52		< 0.46		< 0.50		1.42		< 0.49		< 0.57		< 0.51		4.6		< 0.52
7439-89-6	Iron, Fe	METAL	NA		10900		16200		14200		9190		3060		4790		8670		6280		10400		2720		20200		3660
7439-92-1	Lead, Pb	METAL	400		70.4		53.4		72.4		162		306		566		370		161		91.6		35.7		373		16.2
7439-96-5	Manganese, Mn	METAL	11,000		247		223		212		151		44.5		77.6		124		102		94.8		34.8		169		66.1
7439-97-6	Mercury, Hg	METAL	23		0.09		0.07		0.08		0.11		0.04		0.09		0.18		0.22		0.85		< 0.03		0.25		0.05
7440-02-0	Nickel, Ni	METAL	1,600		29.3		58.7		35		21.1		3.71		4.19		10.1		9.04		8.46		4.28		8.5		6.22
7782-49-2	Selenium, Se	METAL	390		< 1.4		< 1.4		< 1.4		< 1.4		< 1.4		< 1.4		< 1.5		< 1.5		< 1.5		< 1.5		< 1.7		< 1.6
7440-22-4	Silver, Ag	METAL	390		< 0.35		< 0.34		< 0.35		< 0.35		< 0.35		< 0.34		< 0.38		< 0.38		< 0.37		< 0.37		< 0.42		< 0.39
7440-28-0	Thallium, Ti	METAL	5		< 3.2		< 3.1		< 3.1		< 3.2		< 3.1		< 3.1		< 3.5		< 3.4		< 3.4		< 3.3		< 3.8		< 3.5
7440-62-2	Vanadium, V	METAL	78		20.4		21.6		26.8		26.3		4.93		4.7		11.8		14.2		6.5		5.22		6.04		7.68
7440-66-6	Zinc, Zn	METAL	23,000		79.3		69.2		61.5		114		406		601		277		160		103		28.3		434		30.8
	pH	pH	NA		9.2		8.62		7.69		8.55		9.64		8.65		8.52		9.51		8.97		10.54		8.45		11.44
	TPH	TPH	NA		< 55		< 54		< 56		850		< 53		< 54		< 55		< 53		< 56		< 54		< 59		< 56

Notes: Shaded values indicate an exceedance of NJ RDCSCC.

Notes
ug/kg = micrograms per kilogram (ppb)
mg/kg = milligrams per kilogram (ppm)
ug/L = micrograms per liter
mg/L = milligrams per liter

Table 4: Sample Results in Comparison with NJ NRDCSRS
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NJ NRDCSRS	WC 1 1-2	WC 1 COMP	WC 2 2-3	WC 2 COMP	WC 3 3-4	WC 3 COMP	WC 4 1-2	WC 4 COMP	WC 5 1-2	WC 5 COMP	WC 6 1-2	WC 6 COMP	DUP WC6 1-2	DUP WC6 COMP	WC 7 1-2	WC 7 COMP	WC 8 1-2	WC 8 COMP	WC 9 2-3	WC 9 COMP	WC 10 1-2	WC 10 COMP	WC 11 2-3
	Lab Sample ID			BH68767	BH68768	BH69277	BH69278	BH69279	BH69280	BH69281	BH69282	BH69283	BH69284	BH70944	BH70945	BH70936	BH70937	BH70946	BH70947	BH68769	BH68770	BH69285	BH69286	BH69287	BH69288	BH69295
	Date			1/29/2015	1/29/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	2/3/2015	2/3/2015	2/5/2015	2/5/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
630-20-6	1,1,1,2-Tetrachloroethane	VOC	NA	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
71-55-6	1,1,1-Trichloroethane	VOC	4,200,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
79-34-5	1,1,2,2-Tetrachloroethane	VOC	3,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
79-00-5	1,1,2-Trichloroethane	VOC	6,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
92-52-4	1-1- Biphenyl	SVOC	34,000,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
75-34-3	1,1-Dichloroethane	VOC	24,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
75-35-4	1,1-Dichloroethene	VOC	150,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
95-63-6	1,2,4-Trimethylbenzene	VOC	NA	< 5.0		< 4.6		< 4.6		< 5.4		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
96-12-8	1,2-Dibromo-3-Chloropropane	VOC	200	< 5.0		< 4.6		< 4.6		< 280		< 280		< 3.6		< 3.3		< 2.5		< 2.5		< 250		< 4.1		< 4.7
106-93-4	1,2-Dibromoethane	VOC	40	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
95-50-1	1,2-Dichlorobenzene	VOC	NA	< 5.0		< 4.6		< 4.6		< 280		< 280		< 3.6		< 3.3		< 2.5		< 2.5		< 250		< 4.1		< 4.7
107-06-2	1,2-Dichloroethane	VOC	3,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
78-87-5	1,2-Dichloropropane	VOC	5,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
108-67-8	1,3,5-Trimethylbenzene	VOC	NA	< 5.0		< 4.6		< 4.6		< 5.4		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
541-73-1	1,3-Dichlorobenzene	VOC	59,000,000	< 5.0		< 4.6		< 4.6		< 280		< 280		< 3.6		< 3.3		< 2.5		< 2.5		< 250		< 4.1		< 4.7
106-46-7	1,4-Dichlorobenzene	VOC	13,000	< 5.0		< 4.6		< 4.6		< 280		< 280		< 3.6		< 3.3		< 2.5		< 2.5		< 250		< 4.1		< 4.7
123-91-1	1,4-Dioxane	VOC	NA	< 100		< 92		< 92		< 100		< 130		< 72		< 65		< 49		< 50		< 74		< 81		< 94
78-93-3	2-Butanone	VOC	44,000,000	5.1		6.3		< 28		< 30		< 39		4.2		< 20		< 15		< 15		< 22		< 24		< 28
108-10-1	4-Methyl-2-Pentanone	VOC	NA	< 25		< 23		< 23		< 25		< 32		< 18		< 16		< 12		< 13		< 19		< 20		< 24
67-64-1	Acetone	VOC	NA	18		22		< 46		< 50		< 65		16		10		2.9		< 25		< 37		< 41		< 47
107-02-8	Acrolein	VOC	1000	< 25		< 23		< 23		< 25		< 32		< 18		< 16		< 12		< 13		< 19		< 20		< 24
107-13-1	Acrylonitrile	VOC	3,000	< 10		< 9.2		< 9.2		< 10		< 13		< 7.2		< 6.5		< 4.9		< 5.0		< 7.4		< 8.1		< 9.4
71-43-2	Benzene	VOC	5,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
92-87-5	Benzidine	SVOC	700		< 570		< 570		< 520		< 530		< 520		< 530		< 530		< 530		< 550		< 570		< 550	
74-97-5	Bromochloromethane	VOC	NA	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
75-27-4	Bromodichloromethane	VOC	3,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
75-25-2	Bromoform	VOC	280,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
74-83-9	Bromomethane	VOC	59,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
75-15-0	Carbon Disulfide	VOC	110,000,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		1.8		0.71		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
56-23-5	Carbon Tetrachloride	VOC	2000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
108-90-7	Chlorobenzene	VOC	7,400,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		0.82		< 2.5		< 3.7		< 4.1		< 4.7
124-48-1	Chlorodibromomethane	VOC	8,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
75-00-3	Chloroethane	VOC	1,100,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
67-66-3	Chloroform	VOC	2000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
74-87-3	Chloromethane	VOC	12,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
156-59-2	cis-1,2-Dichloroethene	VOC	560,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
74-95-3	Dibromomethane	VOC	NA																							
75-71-8	Dichlorodifluoromethane	VOC	230,000,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
100-41-4	Ethylbenzene	VOC	110,000,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
98-82-8	Isopropylbenzene	VOC	NA	< 5.0		< 4.6		< 4.6		< 280		< 280		< 3.6		< 3.3		< 2.5		< 2.5		< 250		< 4.1		< 4.7
75-09-2	Methylene Chloride	VOC	97,000	0.91		1.5		1.8		1.7		1.1		0.99		0.9		1.1		0.65		< 3.7		0.98		2
1634-04-4	Methyl Tert-Butyl Ether	VOC	320,000	< 10		< 9.2		< 9.2		< 10		< 13		< 7.2		< 6.5		< 4.9		< 5.0		< 7.4		< 8.1		< 9.4
91-20-3	Naphthalene	SVOC	17,000		< 260		< 270		< 240		< 250		110		< 250		< 250		< 250		< 260		< 270		< 260	
104-51-8	n-Butylbenzene	VOC	NA	< 5.0		< 4.6		< 4.6		< 5.4		< 280		< 3.6		< 3.3		< 2.5		< 2.5		< 250		< 4.1		< 4.7
103-65-1	n-Propylbenzene	VOC	NA	< 5.0		< 4.6		< 4.6		< 5.4		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
99-87-6	p-Isoproplytoluene	VOC	NA	< 5.0		< 4.6		< 4.6		< 5.4		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
135-98-8	sec-Butylbenzene	VOC	NA	< 5.0		< 4.6		< 4.6		< 5.4		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
100-42-5	Styrene	VOC	260,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
98-06-6	tert-Butylbenzene	VOC	NA	< 5.0		< 4.6		< 4.6		< 5.4		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
75-65-0	Tertiary Butyl Alcohol	VOC	11,000,000	< 100		< 92		< 92		< 100		< 130		< 72		< 65		< 49		< 50		< 74		< 81		< 94
127-18-4	Tetrachloroethene	VOC	5,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
108-88-3	Toluene	VOC	91,000,000	< 5.0		< 4.6		< 4.6		0.9		68		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
1330-20-7	Total Xylenes	VOC	170,000,000	< 5.0		< 4.6		< 4.6		< 5.0		< 280		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
156-60-5	trans-1,2-Dichloroethene	VOC	720,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
79-01-6	Trichloroethene	VOC	20,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
75-69-4	Trichlorofluoromethane	VOC	340,000,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
108-05-4	Vinyl Acetate	VOC	NA	< 50		< 46		< 46		< 50		< 65		< 36		< 33		< 25		< 25		< 37		< 41		< 47
75-01-4	Vinyl Chloride	VOC	2,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7

Table 4: Sample Results in Comparison with NJ NRDCSRS
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NJ NRDCSRS	WC 1 1-2	WC 1 COMP	WC 2 2-3	WC 2 COMP	WC 3 3-4	WC 3 COMP	WC 4 1-2	WC 4 COMP	WC 5 1-2	WC 5 COMP	WC 6 1-2	WC 6 COMP	DUP WC6 1-2	DUP WC6 COMP	WC 7 1-2	WC 7 COMP	WC 8 1-2	WC 8 COMP	WC 9 2-3	WC 9 COMP	WC 10 1-2	WC 10 COMP	WC 11 2-3
	Lab Sample ID			BH68767	BH68768	BH69277	BH69278	BH69279	BH69280	BH69281	BH69282	BH69283	BH69284	BH70944	BH70945	BH70936	BH70937	BH70946	BH70947	BH68769	BH68770	BH69285	BH69286	BH69287	BH69288	BH69295
	Date			1/29/2015	1/29/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	2/3/2015	2/3/2015	2/5/2015	2/5/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
87-68-3	Hexachlorobutadiene	SVOC	25,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
122-66-7	1,2- Diphenylhydrazine	SVOC	2,000		< 380		< 380		< 340		< 360		< 350		< 350		< 350		< 360		< 370		< 380		< 370	
120-82-1	1,2,4-Trichlorobenzene	VOC	820,000	< 5.0		< 4.6		< 4.6		< 280		< 280		< 3.6		< 3.3		< 2.5		< 2.5		< 250		< 4.1		< 4.7
95-94-3	1,2,4,5-Tetrachlorobenzene	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
58-90-2	2,3,4,6-Tetrachlorophenol	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
95-95-4	2,4,5-Trichlorophenol	SVOC	68,000,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
88-06-2	2,4,6-Trichlorophenol	SVOC	74,000		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150	
102-83-2	2,4-Dichlorophenol	SVOC	2100000		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150	
105-67-9	2,4-Dimethylphenol	SVOC	14,000,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
51-28-5	2,4-Dinitrophenol	SVOC	1,400,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
121-14-2	2,4-Dinitrotoluene	SVOC	3,000		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150	
606-20-2	2,6-Dinitrotoluene	SVOC	3,000		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150	
91-58-7	2-Chloronaphthalene	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
95-57-8	2-Chlorophenol	SVOC	2,200,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
91-57-6	2-Methylnaphthalene	SVOC	2,400,000		< 260		250		< 240		< 250		110		130		180		< 250		< 260		< 270		< 260	
95-48-7	2-Methylphenol	SVOC	3,400,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
88-74-4	2-Nitroaniline	SVOC	23,000,000		< 1900		< 1900		< 1700		< 1800		< 1700		< 1800		< 1800		< 1800		< 1800		< 1900		< 1800	
88-75-5	2-Nitrophenol	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
91-94-1	3,3-Dichlorobenzidine	SVOC	4,000		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150	
99-09-2	3-Nitroaniline	SVOC	NA		< 1900		< 1900		< 1700		< 1800		< 1700		< 1800		< 1800		< 1800		< 1800		< 1900		< 1800	
534-52-1	4,6-Dinitro-2-methylphenol	SVOC	68,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
59-50-7	4-Chloro-3-methylphenol	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
106-47-8	4-Chloroaniline	SVOC	NA		< 750		< 760		< 690		< 710		< 690		< 710		< 700		< 710		< 730		< 760		< 730	
100-01-6	4-Nitroaniline	SVOC	NA		< 1900		< 1900		< 1700		< 1800		< 1700		< 1800		< 1800		< 1800		< 1800		< 1900		< 1800	
100-02-7	4-Nitrophenol	SVOC	NA		< 1900		< 1900		< 1700		< 1800		< 1700		< 1800		< 1800		< 1800		< 1800		< 1900		< 1800	
83-32-9	Acenaphthene	SVOC	37,000,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		170		< 270		< 260	
208-96-8	Acenaphthylene	SVOC	300,000,000		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		140		< 150		< 150	
98-86-2	Acetophenone	SVOC	5,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
62-53-3	Aniline	SVOC	NA		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330	
120-12-7	Anthracene	SVOC	30,000,000		< 260		< 270		< 240		< 250		320		< 250		< 250		< 250		430		< 270		< 260	
1912-24-9	Atrazine	SVOC	2,400,000		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150	
100-52-7	Benzaldehyde	SVOC	68,000,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
56-55-3	Benzo-a-Anthracene	SVOC	2,000		< 260		< 270		< 240		190		550		210		240		< 250		1200		< 270		220	
50-32-8	Benzo-a-Pyrene	SVOC	200		< 150		< 150		< 140		200		570		220		250		< 140		1100		< 150		250	
205-99-2	Benzo-b-Fluoranthene	SVOC	2,000		< 260		180		< 240		280		790		330		360		170		1500		150		330	
207-08-9	Benzo-k-Fluoranthene	SVOC	23,000		< 260		< 270		< 240		< 250		250		120		130		< 250		560		< 270		< 260	
191-24-2	Benzo-g,h,i-Perylene	SVOC	30,000,000		< 260		< 270		< 240		130		320		< 250		< 250		< 250		690		< 270		140	
65-85-0	Benzoic Acid	SVOC	NA		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330	
100-51-6	Benzyl Alcohol	SVOC	NA		< 380		< 380		< 340		< 360		< 350		< 350		< 350		< 360		< 370		< 380		< 370	
111-44-4	Bis(2-Chloroethyl)ether	SVOC	2,000		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150	
108-60-1	Bis(2-Chloroisopropyl)ether	SVOC	67,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
117-81-7	Bis(2-Ethylhexyl)Phthalate	SVOC	140,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
85-68-7	Butylbenzylphthalate	SVOC	14,000,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
105-60-2	Caprolactam	SVOC	340,000,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
86-74-8	Carbazole	SVOC	96,000		< 1900		< 1900		< 1700		< 1800		< 1700		< 1800		< 1800		< 1800		< 1800		< 1900		< 1800	
218-01-9	Chrysene	SVOC	230,000		< 260		< 270		< 240		240		550		230		260		< 250		1200		< 270		240	
75-99-0	Dalapon	SVOC	NA		< 47		< 48		< 44		< 44		< 44		< 45		< 45		< 44		< 46		< 48		< 47	
132-64-9	Dibenzofuran	SVOC	NA		< 260		< 270		< 240		< 250		110		< 250		< 250		< 250		140		< 270		< 260	
53-70-3	Dibenzo-a,h-Anthracene	SVOC	200		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		170		< 150		< 150	
84-66-2	Diethyl Phthalate	SVOC	550,000,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
131-11-3	Dimethyl Phthalate	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
84-74-2	Di-n-Butyl Phthalate	SVOC	68,000,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
117-84-0	Di-n-Octyl Phthalate	SVOC	27,000,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
206-44-0	Fluoranthene	SVOC	24,000,000		< 260		220		< 240		520		1500		330		360		200		1700		260		550	
86-73-7	Fluorene	SVOC	24,000,000		< 260		< 270		< 240		< 250		140		< 250		< 250		< 250		190		< 270		< 260	
118-74-1	Hexachlorobenzene	SVOC	1,000		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150	
77-47-4	Hexachlorocyclopentadiene	SVOC	110,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
67-72-1	Hexachloroethane	SVOC	140,000		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150	
193-39-5	Indeno(1,2,3-cd)Pyrene	SVOC	2,000		< 260		< 270		< 240		120		310		< 250		< 250		< 250		750		< 270		140	
78-59-1	Isophorone	SVOC	2,000,000		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150	
98-95-3	Nitrobenzene	SVOC	340,000		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150	
62-75-9	N-Nitrosodimethylamine	SVOC	700		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
621-64-7	N-Nitroso-di-n-Propylamine	SVOC	300		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150	
86-30-6	N-Nitrosodiphenylamine	SVOC	390,000		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150	
87-86-5	Pentachlorophenol	SVOC	10,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
85-01-8	Phenanthrene	SVOC	300,000,000		< 150		130		< 140		470		1200		260		310		130		2000		200		320	
108-95-2	Phenol	SVOC	210000000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
129-00-0	Pyrene	SVOC	18,000,000		< 260		220		< 240		490		1300		330		350		160		1400		210		490	

Table 4: Sample Results in Comparison with NJ NRDCSRS
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NJ NRDCSRS	WC 1 1-2	WC 1 COMP	WC 2 2-3	WC 2 COMP	WC 3 3-4	WC 3 COMP	WC 4 1-2	WC 4 COMP	WC 5 1-2	WC 5 COMP	WC 6 1-2	WC 6 COMP	DUP WC6 1-2	DUP WC6 COMP	WC 7 1-2	WC 7 COMP	WC 8 1-2	WC 8 COMP	WC 9 2-3	WC 9 COMP	WC 10 1-2	WC 10 COMP	WC 11 2-3
	Lab Sample ID			BH68767	BH68768	BH69277	BH69278	BH69279	BH69280	BH69281	BH69282	BH69283	BH69284	BH70944	BH70945	BH70936	BH70937	BH70946	BH70947	BH68769	BH68770	BH69285	BH69286	BH69287	BH69288	BH69295
	Date			1/29/2015	1/29/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	2/3/2015	2/3/2015	2/5/2015	2/5/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
93-76-5	2,4,5-T	HERBICIDE	NA		< 47		< 48		< 44		< 44		< 44		< 45		< 45		< 44		< 46		< 48		< 47	
93-72-1	2,4,5-TP Acid	PESTICIDE	NA		< 47		< 48		< 44		< 44		< 44		< 45		< 45		< 44		< 46		< 48		< 47	
94-75-7	2,4-D	HERBICIDE	NA		< 47		< 48		< 44		< 44		< 44		< 45		< 45		< 44		< 46		< 48		< 47	
72-54-8	4,4-DDD	PESTICIDE	13,000		< 2.3		< 2.2		< 2.1		2.6		< 2.1		< 2.1		< 2.1		< 2.1		< 2.2		< 2.3		< 2.2	
72-55-9	4,4-DDE	PESTICIDE	9,000		< 2.3		< 2.2		< 2.1		2.3		< 2.1		< 2.1		< 2.1		< 2.1		< 2.2		< 2.3		< 2.2	
50-29-3	4,4-DDT	PESTICIDE	8,000		< 2.3		< 2.2		< 2.1		< 2.1		< 2.1		< 2.1		< 2.1		< 2.1		< 2.2		< 2.3		< 2.2	
309-00-2	Aldrin	PESTICIDE	200		< 3.8		< 3.7		< 3.5		< 3.5		< 3.4		< 3.5		< 3.6		< 3.5		< 3.6		< 3.8		< 3.7	
319-84-6	alpha-BHC	PESTICIDE	500		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4	
5103-71-9	Alpha Chlordane	PESTICIDE	NA		< 3.8		< 3.7		< 3.5		< 3.5		< 3.4		11		7.2		< 3.5		< 3.6		< 3.8		< 3.7	
12674-11-2	Aroclor 1016	PCB	NA		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74	
1104-28-2	Aroclor 1221	PCB	NA		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74	
11141-16-5	Aroclor 1232	PCB	NA		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74	
53469-21-9	Aroclor 1242	PCB	NA		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74	
12672-29-6	Aroclor 1248	PCB	NA		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74	
11097-69-1	Aroclor 1254	PCB	NA		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74	
11096-82-5	Aroclor 1260	PCB	NA		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74	
11096-82-5	Aroclor 1262	PCB	NA		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74	
37324-23-5	Aroclor 1268	PCB	NA		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74	
319-85-7	beta-BHC	PESTICIDE	2000		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4	
57-74-9	Chlordane	PESTICIDE	1000		< 38		< 37		< 35		< 35		< 34		65		41		< 35		< 36		< 38		< 37	
319-86-8	delta-BHC	PESTICIDE	NA		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4	
1918-00-9	Dicamba	HERBICIDE	NA		< 94		< 95		< 88		< 89		< 88		< 90		< 90		< 88		< 91		< 96		< 93	
60-57-1	Dieldrin	PESTICIDE	200		< 3.8		< 3.7		< 3.5		< 3.5		< 3.4		< 3.5		< 3.6		< 3.5		< 3.6		< 3.8		< 3.7	
115-29-7	Endosulfan	PESTICIDE	6,800,000		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4	
959-98-8	Endosulfan I	PESTICIDE	NA		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4	
33213-65-9	Endosulfan II	PESTICIDE	NA		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4	
1031-07-8	Endosulfan Sulfate	PESTICIDE	6,800,000		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4	
72-20-8	Endrin	PESTICIDE	340,000		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4	
58-89-9	gamma-BHC	PESTICIDE	2000		< 1.5		< 1.5		< 1.4		< 1.4		< 1.4		< 1.4		< 1.4		< 1.4		< 1.5		< 1.5		< 1.5	
5103-74-2	Gamma Chlordane	PESTICIDE	NA		< 3.8		< 3.7		< 3.5		< 3.5		< 3.4		8.2		8.6		< 3.5		< 3.6		< 3.8		< 3.7	
76-44-8	Heptachlor	PESTICIDE	700		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4	
1024-57-3	Heptachlor Epoxide	PESTICIDE	300		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4	
72-43-5	Methoxychlor	PESTICIDE	5,700,000		< 38		< 37		< 35		< 35		< 34		< 35		< 36		< 35		< 36		< 38		< 37	
56-38-2	Parathion	PESTICIDE	NA		< 380		< 380		< 340		< 360		< 350		< 350		< 350		< 360		< 370		< 380		< 370	
1336-36-3	Polychlorinated Biphenyls	PESTICIDE	1000		0		0		0		0		0		0		0		0		0		0		0	
8001-35-2	Toxaphene	PESTICIDE	3000		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150	
	Unit		*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
7429-90-5	Aluminum, Al	METAL	NA		8200		8920		1260		4320		3050		6220		7100		5460		3970		9200		8460	
7440-36-0	Antimony, Sb	METAL	450		< 3.9		6.9		< 3.5		< 3.6		< 3.3		< 3.7		< 3.6		< 3.4		< 3.5		< 3.4		< 3.5	
7440-38-2	Arsenic, As	METAL	19*		3.3		6.9		0.9		6.4		4.6		3.4		4.5		1.9		3.4		7		5.5	
7440-39-3	Barium, Ba	METAL	59,000		34.4		233		5.63		105		54		67.6		59.5		37.1		112		173		42.9	
7440-41-7	Beryllium, Be	METAL	140		0.42		0.56		< 0.28		0.43		0.36		0.81		0.55		0.39		< 0.28		0.5		0.46	
7440-43-9	Cadmium, Cd	METAL	78		< 0.39		1.1		< 0.35		0.42		< 0.33		< 0.37		< 0.36		< 0.34		< 0.35		< 0.34		< 0.35	
7440-47-3	Chromium, Cr	METAL	NA		10.8		14.2		4.24		12.3		9.22		20.1		17.3		35.2		12.4		18.6		14.4	
18540-29-9	Chromium, hexavalent	METAL	20		< 0.44		< 0.46		< 0.44		< 0.41		< 0.43		< 0.42		< 0.43		< 0.43		< 0.44		0.56		< 0.45	
16065-83-1	Chromium, trivalent	METAL	NA		10.8		14.2		4.24		12.3		9.22		20.1		17.3		35.2		12.4		18		14.4	
7440-48-4	Cobalt, Co	METAL	590		4.11		5.87		1.09		3.51		5.87		10.4		6.97		10.3		4.67		7.06		5.02	
7440-50-8	Copper, Cu	METAL	45000		9.74		28.1		1.79		21.5		23.7		96.3		32.4		54.9		72.1		29.2		15.5	
57-12-5	Cyanide	METAL	23,000		< 0.57		< 0.57		< 0.53		< 0.54		< 0.53		< 0.54		< 0.54		< 0.54		0.65		< 0.53		< 0.51	
7439-89-6	Iron, Fe	METAL	NA		10700		15400		2610		11800		6870		13300		12800		19300		9300		15100		13400	
7439-92-1	Lead, Pb	METAL	800		106		2370		4.87		259		110		189		129		33		189		232		83.1	
7439-96-5	Manganese, Mn	METAL	5,900		154		153		23.3		366		158		193		185		206		226		193		89.2	
7439-97-6	Mercury, Hg	METAL	65		0.15		0.25		< 0.03		0.08		0.07		0.13		0.14		0.04		0.15		0.08		0.13	
7440-02-0	Nickel, Ni	METAL	23,000		11.4		13.8		4.14		11.7		17.7		72.4		26		21.5		16.2		24.5		12.6	
7782-49-2	Selenium, Se	METAL	5,700		< 1.6		< 1.4		< 1.4		< 1.5		< 1.3		< 1.5		< 1.4		< 1.4		< 1.4		< 1.4		< 1.4	
7440-22-4	Silver, Ag	METAL	5,700		< 0.39		< 0.35		< 0.35		< 0.36		< 0.33		< 0.37		< 0.36		< 0.34		< 0.35		< 0.34		< 0.35	
7440-28-0	Thallium, Ti	METAL	79		< 3.5		< 3.1		< 3.1		< 3.3		< 3.0		< 3.4		< 3.2		< 3.1		< 3.2		< 3.1		< 3.1	
7440-62-2	Vanadium, V	METAL	1,100		16.5		19.6		4.16		17.4		12.3		21.6		21		40.5		14		23.2		21.9	
7440-66-6	Zinc, Zn	METAL	110,000		37.8		558		14.9		172		78.9		307		97.3		34		226		188		59.2	
	pH	pH	NA		7.71		8.08		9.52		9.21		9.18		9.88		9.81		11.11		8.59		9.84		8.76	
	TPH	TPH	NA		< 56		< 57		< 53		< 54		< 53		<54		<54		<52		< 54		< 57		< 56	

Notes: Shaded values indicate an exceedance of NJ NRDCSRS.

Notes
ug/kg = micrograms per kilogram (ppb)
mg/kg = milligrams per kilogram (ppm)
ug/L = micrograms per liter
mg/L = milligrams per liter

Table 4: Sample Results in Comparison with NJ NRDCSRS
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NJ NRDCSRS	WC 11 COMP	WC 12 1-2	WC 12 COMP	WC 13 1-2	WC 13 COMP	DUP WC 13 1-2	DUP WC 13 COMP	WC 14 2-3	WC 14 COMP	WC 15 2-3	WC 15 COMP	WC 16 1-2	WC 16 COMP	WC 17 1-2	WC 17 COMP	WC 18 1-2	WC 18 COMP	WC 19 1-2	WC 19 COMP	WC 20 1-2	WC 20 COMP	DUP WC 20 1-2	DUP WC 20 COMP	WC 21 4-5	WC 21 COMP	WC 22 1-2	WC 22 COMP
	Lab Sample ID			BH69296	BH69291	BH69292	BH70562	BH70563	BH70564	BH70565	BH69820	BH69821	BH69818	BH69819	BH69816	BH69817	BH69814	BH69815	BH69812	BH69813	BH69800	BH69801	BH69802	BH69803	BH69804	BH69805	BH69293	BH69294	BH70938	BH70939
	Date			1/30/2015	1/30/2015	1/30/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/30/2015	1/30/2015	1/29/2015	1/29/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
630-20-6	1,1,1,2-Tetrachloroethane	VOC	NA		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
71-55-6	1,1,1-Trichloroethane	VOC	4,200,000		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
79-34-5	1,1,2,2-Tetrachloroethane	VOC	3,000		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
79-00-5	1,1,2-Trichloroethane	VOC	6,000		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
92-52-4	1-1- Biphenyl	SVOC	34,000,000	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
75-34-3	1,1-Dichloroethane	VOC	24,000		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
75-35-4	1,1-Dichloroethene	VOC	150,000		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
95-63-6	1,2,4-Trimethylbenzene	VOC	NA		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5		< 2.5	
96-12-8	1,2-Dibromo-3-Chloropropane	VOC	200		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 80		< 5.0		< 80		< 6.0		< 5.4		< 5.5		< 2.5	
106-93-4	1,2-Dibromoethane	VOC	40		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
95-50-1	1,2-Dichlorobenzene	VOC	NA		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5		< 2.5	
107-06-2	1,2-Dichloroethane	VOC	3,000		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
78-87-5	1,2-Dichloropropane	VOC	5,000		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
108-67-8	1,3,5-Trimethylbenzene	VOC	NA		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5		< 2.5	
541-73-1	1,3-Dichlorobenzene	VOC	59,000,000		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5		< 2.5	
106-46-7	1,4-Dichlorobenzene	VOC	13,000		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5		< 2.5	
123-91-1	1,4-Dioxane	VOC	NA		< 77		< 48		< 92		< 100		< 100		< 97		< 100		< 100		< 98		< 100		< 100		< 100		< 50	
78-93-3	2-Butanone	VOC	44,000,000		< 23		< 14		< 28		< 32		12		< 29		< 31		< 30		< 29		< 36		< 32		< 33		< 15	
108-10-1	4-Methyl-2-Pentanone	VOC	NA		< 19		< 12		< 23		< 27		< 27		< 24		< 26		< 25		< 25		< 30		< 27		< 27		< 13	
67-64-1	Acetone	VOC	NA		< 39		< 24		< 46		20		47		< 49		< 50		< 50		< 49		< 50		< 50		< 55		< 25	
107-02-8	Acrolein	VOC	1000		< 19		< 12		< 23		< 27		< 27		< 24		< 26		< 25		< 25		< 30		< 27		< 27		< 13	
107-13-1	Acrylonitrile	VOC	3,000		< 7.7		< 4.8		< 9.2		< 11		< 11		< 9.7		< 10		< 10		< 9.8		< 12		< 11		< 11		< 5.0	
71-43-2	Benzene	VOC	5,000		< 3.9		< 2.4		< 4.6		< 5.4		3.4		< 4.9		< 5.1		< 5.0		1.3		< 6.0		< 5.4		< 5.5		< 2.5	
92-87-5	Benzidine	SVOC	700	< 540		< 540		< 550		< 500		< 540		< 560		< 550		< 520		< 570		< 590		< 540		< 540		< 530		< 530
74-97-5	Bromochloromethane	VOC	NA		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
75-27-4	Bromodichloromethane	VOC	3,000		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
75-25-2	Bromoform	VOC	280,000		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
74-83-9	Bromomethane	VOC	59,000		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
75-15-0	Carbon Disulfide	VOC	110,000,000		< 3.9		< 2.4		< 4.6		2.9		4.4		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
56-23-5	Carbon Tetrachloride	VOC	2000		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
108-90-7	Chlorobenzene	VOC	7,400,000		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		0.82		< 5.5		< 2.5	
124-48-1	Chlorodibromomethane	VOC	8,000		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
75-00-3	Chloroethane	VOC	1,100,000		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
67-66-3	Chloroform	VOC	2000		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		0.91		1.5		1		< 5.5		< 2.5	
74-87-3	Chloromethane	VOC	12,000		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
156-59-2	cis-1,2-Dichloroethene	VOC	560,000		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
74-95-3	Dibromomethane	VOC	NA																											
75-71-8	Dichlorodifluoromethane	VOC	230,000,000		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
100-41-4	Ethylbenzene	VOC	110,000,000		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
98-82-8	Isopropylbenzene	VOC	NA		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5		< 2.5	
75-09-2	Methylene Chloride	VOC	97,000		1.5		0.54		1.6		1.7		2		< 4.9		1.5		1.2		1.5		3.1		2.9		1.9		0.55	
1634-04-4	Methyl Tert-Butyl Ether	VOC	320,000		< 7.7		< 4.8		< 9.2		< 11		< 11		< 9.7		< 10		< 10		< 9.8		< 12		< 11		< 11		< 5.0	
91-20-3	Naphthalene	SVOC	17,000	< 250		< 250		< 250		< 240		250		550		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
104-51-8	n-Butylbenzene	VOC	NA		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5		< 2.5	
103-65-1	n-Propylbenzene	VOC	NA		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5		< 2.5	
99-87-6	p-Isoproplytoluene	VOC	NA		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5		< 2.5	
135-98-8	sec-Butylbenzene	VOC	NA		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5		< 2.5	
100-42-5	Styrene	VOC	260,000		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
98-06-6	tert-Butylbenzene	VOC	NA		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5		< 2.5	
75-65-0	Tertiary Butyl Alcohol	VOC	11,000,000		< 77		< 48		< 92		< 110		< 110		< 97		< 100		< 100		< 98		< 120		< 110		< 110		< 50	
127-18-4	Tetrachloroethene	VOC	5,000		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
108-88-3	Toluene	VOC	91,000,000		< 3.9		< 2.4		< 4.6		< 5.4		6.2		< 4.9		78		0.86		0.84		< 6.0		< 5.4		< 5.5		< 2.5	
1330-20-7	Total Xylenes	VOC	170,000,000		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
156-60-5	trans-1,2-Dichloroethene	VOC	720,000		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
79-01-6	Trichloroethene	VOC	20,000		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
75-69-4	Trichlorofluoromethane	VOC	340,000,000		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
108-05-4	Vinyl Acetate	VOC	NA		< 39		< 24		< 46		< 54		< 53		< 49		< 51		< 50		< 49		< 60		< 54		< 55		< 25	
75-01-4	Vinyl Chloride	VOC	2,000		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	

Table 4: Sample Results in Comparison with NJ NRDCSRS
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NJ NRDCSRS	WC 11 COMP	WC 12 1-2	WC 12 COMP	WC 13 1-2	WC 13 COMP	DUP WC 13 1-2	DUP WC 13 COMP	WC 14 2-3	WC 14 COMP	WC 15 2-3	WC 15 COMP	WC 16 1-2	WC 16 COMP	WC 17 1-2	WC 17 COMP	WC 18 1-2	WC 18 COMP	WC 19 1-2	WC 19 COMP	WC 20 1-2	WC 20 COMP	DUP WC 20 1-2	DUP WC 20 COMP	WC 21 4-5	WC 21 COMP	WC 22 1-2	WC 22 COMP
	Lab Sample ID			BH69296	BH69291	BH69292	BH70562	BH70563	BH70564	BH70565	BH69820	BH69821	BH69818	BH69819	BH69816	BH69817	BH69814	BH69815	BH69812	BH69813	BH69800	BH69801	BH69802	BH69803	BH69804	BH69805	BH69293	BH69294	BH70938	BH70939
	Date			1/30/2015	1/30/2015	1/30/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/30/2015	1/30/2015	1/29/2015	1/29/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
87-68-3	Hexachlorobutadiene	SVOC	25,000	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
122-66-7	1,2- Diphenylhydrazine	SVOC	2,000	< 360		< 360		< 360		< 340		< 360		< 370		< 370		< 350		< 380		< 400		< 360		< 360		< 360		< 350
120-82-1	1,2,4-Trichlorobenzene	VOC	820,000		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5		< 2.5	
95-94-3	1,2,4,5-Tetrachlorobenzene	SVOC	NA	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
58-90-2	2,3,4,6-Tetrachlorophenol	SVOC	NA	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
95-95-4	2,4,5-Trichlorophenol	SVOC	68,000,000	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
88-06-2	2,4,6-Trichlorophenol	SVOC	74,000	< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140		< 140
102-83-2	2,4-Dichlorophenol	SVOC	2100000	< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140		< 140
105-67-9	2,4-Dimethylphenol	SVOC	14,000,000	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
51-28-5	2,4-Dinitrophenol	SVOC	1,400,000	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
121-14-2	2,4-Dinitrotoluene	SVOC	3,000	< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140		< 140
606-20-2	2,6-Dinitrotoluene	SVOC	3,000	< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140		< 140
91-58-7	2-Chloronaphthalene	SVOC	NA	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
95-57-8	2-Chlorophenol	SVOC	2,200,000	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
91-57-6	2-Methylnaphthalene	SVOC	2,400,000	< 250		< 250		< 250		< 240		150		360		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
95-48-7	2-Methylphenol	SVOC	3,400,000	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
88-74-4	2-Nitroaniline	SVOC	23,000,000	< 1800		< 1800		< 1800		< 1700		< 1800		< 1900		< 1800		< 1700		< 1900		< 2000		< 1800		< 1800		< 1800		< 1800
88-75-5	2-Nitrophenol	SVOC	NA	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
91-94-1	3,3-Dichlorobenzidine	SVOC	4,000	< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140		< 140
99-09-2	3-Nitroaniline	SVOC	NA	< 1800		< 1800		< 1800		< 1700		< 1800		< 1900		< 1800		< 1700		< 1900		< 2000		< 1800		< 1800		< 1800		< 1800
534-52-1	4,6-Dinitro-2-methylphenol	SVOC	68,000	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
59-50-7	4-Chloro-3-methylphenol	SVOC	NA	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
106-47-8	4-Chloroaniline	SVOC	NA	< 720		< 720		< 730		< 670		< 730		< 750		< 730		< 700		< 760		< 790		< 730		< 710		< 710		< 700
100-01-6	4-Nitroaniline	SVOC	NA	< 1800		< 1800		< 1800		< 1700		< 1800		< 1900		< 1800		< 1700		< 1900		< 2000		< 1800		< 1800		< 1800		< 1800
100-02-7	4-Nitrophenol	SVOC	NA	< 1800		< 1800		< 1800		< 1700		< 1800		< 1900		< 1800		< 1700		< 1900		< 2000		< 1800		< 1800		< 1800		< 1800
83-32-9	Acenaphthene	SVOC	37,000,000	< 250		< 250		< 250		< 240		130		320		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
208-96-8	Acenaphthylene	SVOC	300,000,000	< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140		< 140
98-86-2	Acetophenone	SVOC	5,000	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
62-53-3	Aniline	SVOC	NA	< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330
120-12-7	Anthracene	SVOC	30,000,000	< 250		< 250		< 250		< 240		< 250		200		140		< 240		< 270		< 280		< 250		< 250		< 250		< 250
1912-24-9	Atrazine	SVOC	2,400,000	< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140		< 140
100-52-7	Benzaldehyde	SVOC	68,000,000	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
56-55-3	Benzo-a-Anthracene	SVOC	2,000	< 250		630		< 250		< 240		210		330		500		120		< 270		< 280		< 250		150		< 250		< 250
50-32-8	Benzo-a-Pyrene	SVOC	200	< 140		590		< 150		< 130		190		280		390		< 140		< 150		< 160		130		140		< 140		< 140
205-99-2	Benzo-b-Fluoranthene	SVOC	2,000	< 250		750		< 250		< 240		280		410		520		160		< 270		< 280		170		160		< 250		< 250
207-08-9	Benzo-k-Fluoranthene	SVOC	23,000	< 250		320		< 250		< 240		< 250		160		200		< 240		< 270		< 280		< 250		< 250		< 250		< 250
191-24-2	Benzo-g,h,i-Perylene	SVOC	30,000,000	< 250		280		< 250		< 240		140		200		240		< 240		< 270		< 280		< 250		< 250		< 250		< 250
65-85-0	Benzoic Acid	SVOC	NA	< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330
100-51-6	Benzyl Alcohol	SVOC	NA	< 360		< 360		< 360		< 340		< 360		< 370		< 370		< 350		< 380		< 400		< 360		< 360		< 360		< 350
111-44-4	Bis(2-Chloroethyl)ether	SVOC	2,000	< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140		< 140
108-60-1	Bis(2-Chloroisopropyl)ether	SVOC	67,000	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
117-81-7	Bis(2-Ethylhexyl)Phthalate	SVOC	140,000	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
85-68-7	Butylbenzylphthalate	SVOC	14,000,000	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
105-60-2	Caprolactam	SVOC	340,000,000	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
86-74-8	Carbazole	SVOC	96,000	< 1800		< 1800		< 1800		< 1700		< 1800		< 1900		< 1800		< 1700		< 1900		< 2000		< 1800		< 1800		< 1800		< 1800
218-01-9	Chrysene	SVOC	230,000	< 250		570		< 250		< 240		240		380		500		< 240		< 270		< 280		140		140		< 250		< 250
75-99-0	Dalapon	SVOC	NA	< 45		< 46		< 47		< 43		< 45		< 47		< 46		< 44		< 49		< 49		< 46		< 45		< 45		< 44
132-64-9	Dibenzofuran	SVOC	NA	< 250		< 250		< 250		< 240		< 250		280		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
53-70-3	Dibenzo-a,h-Anthracene	SVOC	200	< 140		140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140		< 140
84-66-2	Diethyl Phthalate	SVOC	550,000,000	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
131-11-3	Dimethyl Phthalate	SVOC	NA	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
84-74-2	Di-n-Butyl Phthalate	SVOC	68,000,000	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
117-84-0	Di-n-Octyl Phthalate	SVOC	27,000,000	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
206-44-0	Fluoranthene	SVOC	24,000,000	< 250		860		130		150		440		670		960		190		< 270		< 280		210		210		< 250		< 250
86-73-7	Fluorene	SVOC	24,000,000	< 250		< 250		< 250		< 240		< 250		360		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
118-74-1	Hexachlorobenzene	SVOC	1,000	< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140		< 140
77-47-4	Hexachlorocyclopentadiene	SVOC	110,000	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
67-72-1	Hexachloroethane	SVOC	140,000	< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140		< 140
193-39-5	Indeno(1,2,3-cd)Pyrene	SVOC	2,000	< 250		330		< 250		< 240		140		200		240		< 240		< 270		< 280		< 250		< 250		< 250		< 250
78-59-1	Isophorone	SVOC	2,000,000	< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140		< 140
98-95-3	Nitrobenzene	SVOC	340,000	< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140		< 140
62-75-9	N-Nitrosodimethylamine	SVOC	700	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
621-64-7	N-Nitroso-di-n-Propylamine	SVOC	300	< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140		< 140
86-30-6	N-Nitrosodiphenylamine	SVOC	390,000	< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140		< 140
87-86-5	Pentachlorophenol	SVOC	10,000	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
85-01-8	Phenanthrene	SVOC	300,000,000	< 140		100		< 150		120		370		1000		540		< 140		< 150		< 160		170		150		< 140		< 140
108-95-2	Phenol	SVOC	210000000	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
129-00-0	Pyrene	SVOC	18,000,000	< 250		770		< 250		130		390		560		920		190		< 270		< 280		180		180		< 250		< 250

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Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NJ NRDCSRS	WC 11 COMP	WC 12 1-2	WC 12 COMP	WC 13 1-2	WC 13 COMP	DUP WC 13 1-2	DUP WC 13 COMP	WC 14 2-3	WC 14 COMP	WC 15 2-3	WC 15 COMP	WC 16 1-2	WC 16 COMP	WC 17 1-2	WC 17 COMP	WC 18 1-2	WC 18 COMP	WC 19 1-2	WC 19 COMP	WC 20 1-2	WC 20 COMP	DUP WC 20 1-2	DUP WC 20 COMP	WC 21 4-5	WC 21 COMP	WC 22 1-2	WC 22 COMP
	Lab Sample ID			BH69296	BH69291	BH69292	BH70562	BH70563	BH70564	BH70565	BH69820	BH69821	BH69818	BH69819	BH69816	BH69817	BH69814	BH69815	BH69812	BH69813	BH69800	BH69801	BH69802	BH69803	BH69804	BH69805	BH69293	BH69294	BH70938	BH70939
	Date			1/30/2015	1/30/2015	1/30/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/30/2015	1/30/2015	1/29/2015	1/29/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
93-76-5	2,4,5-T	HERBICIDE	NA	< 45		< 46		< 47		< 43		< 45		< 47		< 46		< 44		< 49		< 49		< 46		< 45		< 45		< 44
93-72-1	2,4,5-TP Acid	PESTICIDE	NA	< 45		< 46		< 47		< 43		< 45		< 47		< 46		< 44		< 49		< 49		< 46		< 45		< 45		< 44
94-75-7	2,4-D	HERBICIDE	NA	< 45		< 46		< 47		< 43		< 45		< 47		< 46		< 44		< 49		< 49		< 46		< 45		< 45		< 44
72-54-8	4,4-DDD	PESTICIDE	13,000	< 2.1		< 2.2		< 2.2		< 2.0		< 2.2		9.7		< 2.2		< 2.1		< 2.3		< 2.3		< 2.2		< 2.1		< 2.1		< 2.1
72-55-9	4,4-DDE	PESTICIDE	9,000	< 2.1		< 2.2		< 2.2		< 2.0		< 2.2		< 2.2		< 2.2		< 2.1		< 2.3		< 2.3		< 2.2		< 2.1		< 2.1		< 2.1
50-29-3	4,4-DDT	PESTICIDE	8,000	< 2.1		< 2.2		< 2.2		< 2.0		< 2.2		3.5		< 2.2		< 2.1		< 2.3		< 2.3		< 2.2		< 2.1		< 2.1		< 2.1
309-00-2	Aldrin	PESTICIDE	200	< 3.6		< 3.6		< 3.7		< 3.4		< 3.6		< 3.7		< 3.7		< 3.5		< 3.9		< 3.9		< 3.7		< 3.5		< 3.5		< 3.5
319-84-6	alpha-BHC	PESTICIDE	500	< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0		< 7.1		< 7.0
5103-71-9	Alpha Chlordane	PESTICIDE	NA	< 3.6		< 3.6		< 3.7		< 3.4		< 3.6		< 3.7		< 3.7		< 3.5		< 3.9		< 3.9		< 3.7		< 3.5		< 3.5		< 3.5
12674-11-2	Aroclor 1016	PCB	NA	< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70		< 71		< 70
1104-28-2	Aroclor 1221	PCB	NA	< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70		< 71		< 70
11141-16-5	Aroclor 1232	PCB	NA	< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70		< 71		< 70
53469-21-9	Aroclor 1242	PCB	NA	< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70		< 71		< 70
12672-29-6	Aroclor 1248	PCB	NA	< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70		< 71		< 70
11097-69-1	Aroclor 1254	PCB	NA	< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70		< 71		< 70
11096-82-5	Aroclor 1260	PCB	NA	< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70		< 71		< 70
11096-82-5	Aroclor 1262	PCB	NA	< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70		< 71		< 70
37324-23-5	Aroclor 1268	PCB	NA	< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70		< 71		< 70
319-85-7	beta-BHC	PESTICIDE	2000	< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0		< 7.1		< 7.0
57-74-9	Chlordane	PESTICIDE	1000	< 36		< 36		< 37		< 34		< 36		< 37		< 37		< 35		< 39		< 39		< 37		< 35		< 35		< 35
319-86-8	delta-BHC	PESTICIDE	NA	< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0		< 7.1		< 7.0
1918-00-9	Dicamba	HERBICIDE	NA	< 90		< 92		< 93		< 86		< 91		< 93		< 93		< 88		< 97		< 98		< 91		< 90		< 90		< 89
60-57-1	Dieldrin	PESTICIDE	200	< 3.6		< 3.6		< 3.7		< 3.4		< 3.6		< 3.7		< 3.7		< 3.5		< 3.9		< 3.9		< 3.7		< 3.5		< 3.5		< 3.5
115-29-7	Endosulfan	PESTICIDE	6,800,000	< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0		< 7.1		< 7.0
959-98-8	Endosulfan I	PESTICIDE	NA	< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0		< 7.1		< 7.0
33213-65-9	Endosulfan II	PESTICIDE	NA	< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0		< 7.1		< 7.0
1031-07-8	Endosulfan Sulfate	PESTICIDE	6,800,000	< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0		< 7.1		< 7.0
72-20-8	Endrin	PESTICIDE	340,000	< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0		< 7.1		< 7.0
58-89-9	gamma-BHC	PESTICIDE	2000	< 1.4		< 1.4		< 1.5		< 1.3		< 1.4		< 1.5		< 1.5		< 1.4		< 1.5		< 1.6		< 1.5		< 1.4		< 1.4		< 1.4
5103-74-2	Gamma Chlordane	PESTICIDE	NA	< 3.6		< 3.6		< 3.7		< 3.4		< 3.6		< 3.7		< 3.7		< 3.5		< 3.9		< 3.9		< 3.7		< 3.5		< 3.5		< 3.5
76-44-8	Heptachlor	PESTICIDE	700	< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0		< 7.1		< 7.0
1024-57-3	Heptachlor Epoxide	PESTICIDE	300	< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0		< 7.1		< 7.0
72-43-5	Methoxychlor	PESTICIDE	5,700,000	< 36		< 36		< 37		< 34		< 36		< 37		< 37		< 35		< 39		< 39		< 37		< 35		< 35		< 35
56-38-2	Parathion	PESTICIDE	NA	< 360		< 5		< 360		< 340		< 5		< 5		< 5		< 350		< 380		< 400		< 360		< 360		< 5		< 350
1336-36-3	Polychlorinated Biphenyls	PESTICIDE	1000	0		0		0		0		0		0		0		0		0		0		0		0		0		0
8001-35-2	Toxaphene	PESTICIDE	3000	< 140		< 140		< 150		< 130		< 140		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140		< 140
	Unit		*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
7429-90-5	Aluminum, Al	METAL	NA	1320		1480		957		1410		3060		5030		9470		3190		1730		2280		2530		1440		1390		1240
7440-36-0	Antimony, Sb	METAL	450	< 3.4		< 3.7		< 3.6		< 3.2		< 3.6		< 4.0		< 3.5		< 3.7		< 4.1		< 3.6		< 3.9		< 3.7		< 3.7		< 3.2
7440-38-2	Arsenic, As	METAL	19*	1		1.2		< 0.7		0.6		2.6		9.1		6.2		5.4		2.4		1.8		3.2		1.3		1.1		0.9
7440-39-3	Barium, Ba	METAL	59,000	7.57		15.4		6.65		8.48		29		103		109		42.5		20.8		16.6		76		22.2		5.81		9.86
7440-41-7	Beryllium, Be	METAL	140	< 0.27		< 0.29		< 0.29		< 0.25		< 0.29		0.48		0.56		< 0.29		< 0.33		< 0.29		< 0.31		< 0.30		< 0.30		< 0.26
7440-43-9	Cadmium, Cd	METAL	78	< 0.34		< 0.37		< 0.36		< 0.32		< 0.36		< 0.40		< 0.35		< 0.37		< 0.41		0.46		0.43		< 0.37		< 0.37		< 0.32
7440-47-3	Chromium, Cr	METAL	NA	4.75		4.92		2.65		4.46		9.36		11.3		18.9		11.6		10.3		5.41		9.93		5.67		4.59		4.06
18540-29-9	Chromium, hexavalent	METAL	20	< 0.44		< 0.43		< 0.47		< 0.40		< 0.44		< 0.45		< 0.45		< 0.43		< 0.47		< 0.46		0.48		< 0.43		< 0.45		< 0.43
16065-83-1	Chromium, trivalent	METAL	NA	4.75		4.92		2.65		4.46		9.36		11.3		18.9		11.6		10.3		5.41		9.45		5.67		4.59		4.06
7440-48-4	Cobalt, Co	METAL	590	1.14		1.44		1.02		0.97		2.89		5.9		7.91		3.45		2.26		2.06		2.08		1.29		1.22		1.2
7440-50-8	Copper, Cu	METAL	45000	2.21		3.48		3.77		3.72		12		84.7		26		14		9.61		4.23		14.6		3.92		1.91		6.22
57-12-5	Cyanide	METAL	23,000	< 0.55		< 0.51		< 0.47		< 0.47		< 0.55		< 0.56		< 0.51		< 0.54		< 0.59		< 0.60		< 0.56		< 0.54		1.26		< 0.48
7439-89-6	Iron, Fe	METAL	NA	2620		2860		2880		2520		10600		10600		17900		8740		4360		4160		4910		3070		2900		2880
7439-92-1	Lead, Pb	METAL	800	3.22		22.6		13		12.9		37.1		108		145		65.2		13		14.9		170		33.3		4.87		18.7
7439-96-5	Manganese, Mn	METAL	5,900	32.7		34.9		35		34.6		118		248		275		138		64.2		55.4		78.7		34		29.5		51.9
7439-97-6	Mercury, Hg	METAL	65	< 0.03		< 0.03		< 0.03		< 0.02		0.18		0.17		0.09		0.2		< 0.03		< 0.03		0.04		0.05		< 0.03		0.04
7440-02-0	Nickel, Ni	METAL	23,000	3.91		4.63		2.86		3.05		11.4		20.1		23.6		11.5		7.15		6.78		6.8		4.73		5.57		4.35
7782-49-2	Selenium, Se	METAL	5,700	< 1.4		< 1.5		< 1.4		< 1.3		< 1.4		< 1.6		< 1.4		< 1.5		< 1.7		< 1.5		< 1.6		< 1.5		< 1.5		< 1.3
7440-22-4	Silver, Ag	METAL	5,700	< 0.34		< 0.37		< 0.36		< 0.32		< 0.36		< 0.40		< 0.35		< 0.37		< 0.41		< 0.36		< 0.39		< 0.37		< 0.37		< 0.32
7440-28-0	Thallium, Ti	METAL	79	< 3.1		< 3.3		< 3.2		< 2.9		< 3.2		< 3.6		< 3.2		< 3.3		< 3.7		< 3.3		< 3.5		< 3.4		< 3.4		< 2.9
7440-62-2	Vanadium, V	METAL	1,100	4.27		5.36		4.14		4.1		11.2		17		25.2		11.1		6.09		6.56		7.76		5.02		4.72		4.94
7440-66-6	Zinc, Zn	METAL	110,000	21.8		25.3		16.4		46.8		35.5		108		116		53.1		39.3		44		145		78.7		54.5		22.9
	pH	pH	NA	9.33		8.95		9.49		9.7		7.19		9.65		8.7		9.68		9.07		8.72		9.42		9.39		9.56		8.85
	TPH	TPH	NA	< 54		< 55		< 55		< 50		<55		<55		<55		<52		<57		<59		<55		<54		< 53		<53

Notes: Shaded values indicate an exceedance of NJ NRDCSRS.

Notes
ug/kg = micrograms per kilogram (ppb)
mg/kg = milligrams per kilogram (ppm)
ug/L = micrograms per liter
mg/L = milligrams per liter

Table 4: Sample Results in Comparison with NJ NRDCSRS
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NJ NRDCSRS	WC 23 1-2	WC 23 COMP	WC 24 1-2	WC 24 COMP	WC 25 1-2	WC 25 COMP	WC 26 2-3	WC 26 COMP	WC 27 1-2	WC 27 COMP	WC 28 1-2	WC 28 COMP	WC 29 2-3	WC 29 COMP	DUP WC 29 2-3	DUP WC 29 COMP	WC 30 1-2	WC 30 COMP	WC 31 1-2	WC 31 COMP	WC 32 2-3	WC 32 COMP	WC 33 3-4	WC 33 COMP	WC 34 2-3	WC 34 COMP	WC 35 1-2
	Lab Sample ID			BH70952	BH70953	BH70954	BH70955	BH70948	BH70949	BH70940	BH70941	BH69806	BH69807	BH69289	BH69290	BH69808	BH69809	BH69810	BH69811	BH68765	BH68766	BH70956	BH70957	BH69794	BH69795	BH68763	BH68764	BH70942	BH70943	BH69796
	Date			2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/5/2015	2/5/2015	2/3/2015	2/3/2015	1/30/2015	1/30/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	1/29/2015	1/29/2015	2/3/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
630-20-6	1,1,1,2-Tetrachloroethane	VOC	NA	< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
71-55-6	1,1,1-Trichloroethane	VOC	4,200,000	< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
79-34-5	1,1,2,2-Tetrachloroethane	VOC	3,000	< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
79-00-5	1,1,2-Trichloroethane	VOC	6,000	< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
92-52-4	1-1- Biphenyl	SVOC	34,000,000		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
75-34-3	1,1-Dichloroethane	VOC	24,000	< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
75-35-4	1,1-Dichloroethene	VOC	150,000	< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
95-63-6	1,2,4-Trimethylbenzene	VOC	NA	< 2.5		< 2.4		< 4.4		< 260		< 5.3		< 5.1		< 270		< 270		< 2.3		< 2.7		< 260		< 2.1		< 3.4		< 5.1
96-12-8	1,2-Dibromo-3-Chloropropane	VOC	200	< 2.5		< 2.3		< 4.4		< 80		< 5.3		< 5.1		< 80		< 5.0		< 2.3		< 2.3		< 80		< 2.1		< 3.4		< 5.1
106-93-4	1,2-Dibromoethane	VOC	40	< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
95-50-1	1,2-Dichlorobenzene	VOC	NA	< 2.5		< 2.3		5.1		< 260		< 5.3		< 5.1		< 270		< 5.0		< 2.3		< 2.3		< 260		< 2.1		0.65		< 5.1
107-06-2	1,2-Dichloroethane	VOC	3,000	< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
78-87-5	1,2-Dichloropropane	VOC	5,000	< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
108-67-8	1,3,5-Trimethylbenzene	VOC	NA	< 2.5		< 2.4		< 4.4		< 260		< 5.3		< 5.1		< 270		< 270		< 2.3		< 2.7		< 260		< 2.1		< 3.4		< 5.1
541-73-1	1,3-Dichlorobenzene	VOC	59,000,000	< 2.5		< 2.3		< 4.4		< 260		< 5.3		< 5.1		< 270		< 5.0		< 2.3		< 2.3		< 260		< 2.1		< 3.4		< 5.1
106-46-7	1,4-Dichlorobenzene	VOC	13,000	< 2.5		< 2.3		1.6		< 260		< 5.3		< 5.1		< 270		< 5.0		< 2.3		< 2.3		< 260		< 2.1		< 3.4		< 5.1
123-91-1	1,4-Dioxane	VOC	NA	< 49		< 46		< 88		< 68		< 100		< 100		< 100		< 99		< 45		< 46		< 91		< 41		< 67		< 100
78-93-3	2-Butanone	VOC	44,000,000	< 15		2.8		< 26		< 20		< 32		< 31		< 34		< 30		< 14		< 14		< 27		< 12		< 20		< 30
108-10-1	4-Methyl-2-Pentanone	VOC	NA	< 12		< 12		< 22		< 17		< 26		< 26		< 29		< 25		< 11		< 12		< 23		< 10		< 17		< 25
67-64-1	Acetone	VOC	NA	16		18		11		< 34		< 50		< 51		< 50		< 50		< 23		3		< 46		< 21		11		< 50
107-02-8	Acrolein	VOC	1000	< 12		< 12		< 22		< 17		< 26		< 26		< 29		< 25		< 11		< 12		< 23		< 10		< 17		< 25
107-13-1	Acrylonitrile	VOC	3,000	< 4.9		< 4.6		< 8.8		< 6.8		< 11		< 10		< 11		< 9.9		< 4.5		< 4.6		< 9.1		< 4.1		< 6.7		< 10
71-43-2	Benzene	VOC	5,000	< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		6.6		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
92-87-5	Benzidine	SVOC	700		< 560		< 530		< 570		< 550		< 590		< 530		< 580		< 590		< 530		< 540		< 590		< 540		< 540	
74-97-5	Bromochloromethane	VOC	NA	< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
75-27-4	Bromodichloromethane	VOC	3,000	< 2.5		< 2.3		< 4.4		< 3.4		1.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
75-25-2	Bromoform	VOC	280,000	< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
74-83-9	Bromomethane	VOC	59,000	< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
75-15-0	Carbon Disulfide	VOC	110,000,000	2.3		0.55		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		3.2		< 5.1
56-23-5	Carbon Tetrachloride	VOC	2000	< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
108-90-7	Chlorobenzene	VOC	7,400,000	< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
124-48-1	Chlorodibromomethane	VOC	8,000	< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
75-00-3	Chloroethane	VOC	1,100,000	< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
67-66-3	Chloroform	VOC	2000	< 2.5		< 2.3		< 4.4		< 3.4		110		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		0.94		< 5.1
74-87-3	Chloromethane	VOC	12,000	< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
156-59-2	cis-1,2-Dichloroethene	VOC	560,000	< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
74-95-3	Dibromomethane	VOC	NA																											
75-71-8	Dichlorodifluoromethane	VOC	230,000,000	< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
100-41-4	Ethylbenzene	VOC	110,000,000	< 2.5		0.54		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
98-82-8	Isopropylbenzene	VOC	NA	< 2.5		< 2.3		< 4.4		< 260		< 5.3		< 5.1		< 270		+++IND		< 2.3		< 2.3		< 260		< 2.1		< 3.4		< 5.1
75-09-2	Methylene Chloride	VOC	97,000	0.57		0.62		1.3		0.73		2.3		1.7		2.7		2.6		< 2.3		0.45		1.7		< 2.1		1.2		1.6
1634-04-4	Methyl Tert-Butyl Ether	VOC	320,000	< 4.9		< 4.6		< 8.8		< 6.8		< 11		< 10		< 11		< 9.9		< 4.5		< 4.6		< 9.1		< 4.1		< 6.7		< 10
91-20-3	Naphthalene	SVOC	17,000		< 260		< 250		< 260		< 260		< 270		< 250		240		< 280		< 250		< 250		< 280		< 250		< 250	
104-51-8	n-Butylbenzene	VOC	NA	< 2.5		< 2.4		< 4.4		< 260		< 5.3		< 5.1		< 270		< 270		< 2.3		< 2.7		< 260		< 2.1		< 3.4		< 5.1
103-65-1	n-Propylbenzene	VOC	NA	< 2.5		< 2.4		< 4.4		< 260		< 5.3		< 5.1		< 270		< 270		< 2.3		< 2.7		< 260		< 2.1		< 3.4		< 5.1
99-87-6	p-Isoproplytoluene	VOC	NA	< 2.5		< 2.4		< 4.4		< 260		< 5.3		< 5.1		< 270		< 270		< 2.3		< 2.7		< 260		< 2.1		< 3.4		< 5.1
135-98-8	sec-Butylbenzene	VOC	NA	< 2.5		< 2.4		< 4.4		< 260		< 5.3		< 5.1		< 270		< 270		< 2.3		< 2.7		< 260		< 2.1		< 3.4		< 5.1
100-42-5	Styrene	VOC	260,000	< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
98-06-6	tert-Butylbenzene	VOC	NA	< 2.5		< 2.4		< 4.4		< 260		< 5.3		< 5.1		< 270		< 270		< 2.3		< 2.7		< 260		< 2.1		< 3.4		< 5.1
75-65-0	Tertiary Butyl Alcohol	VOC	11,000,000	< 49		< 46		< 88		< 68		< 110		< 100		< 110		< 99		< 45		< 46		< 91		< 41		< 67		< 100
127-18-4	Tetrachloroethene	VOC	5,000	< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
108-88-3	Toluene	VOC	91,000,000	< 2.5		< 2.3		< 4.4		0.56		< 5.3		< 5.1		< 5.7		2.6		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
1330-20-7	Total Xylenes	VOC	170,000,000	< 2.5		2.9		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
156-60-5	trans-1,2-Dichloroethene	VOC	720,000	< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
79-01-6	Trichloroethene	VOC	20,000	< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
75-69-4	Trichlorofluoromethane	VOC	340,000,000	< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1
108-05-4	Vinyl Acetate	VOC	NA	< 25		< 24		< 44		< 34		< 53		< 51		< 57		< 50		< 23		< 23		< 46		< 21		< 34		< 51
75-01-4	Vinyl Chloride	VOC	2,000	< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1

Table 4: Sample Results in Comparison with NJ NRDCSRS
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NJ NRDCSRS	WC 23 1-2	WC 23 COMP	WC 24 1-2	WC 24 COMP	WC 25 1-2	WC 25 COMP	WC 26 2-3	WC 26 COMP	WC 27 1-2	WC 27 COMP	WC 28 1-2	WC 28 COMP	WC 29 2-3	WC 29 COMP	DUP WC 29 2-3	DUP WC 29 COMP	WC 30 1-2	WC 30 COMP	WC 31 1-2	WC 31 COMP	WC 32 2-3	WC 32 COMP	WC 33 3-4	WC 33 COMP	WC 34 2-3	WC 34 COMP	WC 35 1-2
	Lab Sample ID			BH70952	BH70953	BH70954	BH70955	BH70948	BH70949	BH70940	BH70941	BH69806	BH69807	BH69289	BH69290	BH69808	BH69809	BH69810	BH69811	BH68765	BH68766	BH70956	BH70957	BH69794	BH69795	BH68763	BH68764	BH70942	BH70943	BH69796
	Date			2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/5/2015	2/5/2015	2/3/2015	2/3/2015	1/30/2015	1/30/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	1/29/2015	1/29/2015	2/3/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
87-68-3	Hexachlorobutadiene	SVOC	25,000		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
122-66-7	1,2- Diphenylhydrazine	SVOC	2,000		< 370		< 360		< 380		< 370		< 390		< 360		< 380		< 390		< 360		< 360		< 390		< 360		< 360	
120-82-1	1,2,4-Trichlorobenzene	VOC	820,000	< 2.5		< 2.3		< 4.4		< 260		< 5.3		< 5.1		< 270		< 5.0		< 2.3		< 2.3		< 260		< 2.1		< 3.4		< 5.1
95-94-3	1,2,4,5-Tetrachlorobenzene	SVOC	NA		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
58-90-2	2,3,4,6-Tetrachlorophenol	SVOC	NA		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
95-95-4	2,4,5-Trichlorophenol	SVOC	68,000,000		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
88-06-2	2,4,6-Trichlorophenol	SVOC	74,000		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150		< 150	
102-83-2	2,4-Dichlorophenol	SVOC	2100000		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150		< 150	
105-67-9	2,4-Dimethylphenol	SVOC	14,000,000		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
51-28-5	2,4-Dinitrophenol	SVOC	1,400,000		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
121-14-2	2,4-Dinitrotoluene	SVOC	3,000		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150		< 150	
606-20-2	2,6-Dinitrotoluene	SVOC	3,000		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150		< 150	
91-58-7	2-Chloronaphthalene	SVOC	NA		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
95-57-8	2-Chlorophenol	SVOC	2,200,000		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
91-57-6	2-Methylnaphthalene	SVOC	2,400,000		< 260		< 250		< 260		< 260		< 270		< 250		200		< 280		< 250		< 250		< 280		< 250		< 250	
95-48-7	2-Methylphenol	SVOC	3,400,000		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
88-74-4	2-Nitroaniline	SVOC	23,000,000		< 1900		< 1800		< 1900		< 1800		< 2000		< 1800		< 1900		< 2000		< 1800		< 1800		< 2000		< 1800		< 1800	
88-75-5	2-Nitrophenol	SVOC	NA		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
91-94-1	3,3-Dichlorobenzidine	SVOC	4,000		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150		< 150	
99-09-2	3-Nitroaniline	SVOC	NA		< 1900		< 1800		< 1900		< 1800		< 2000		< 1800		< 1900		< 2000		< 1800		< 1800		< 2000		< 1800		< 1800	
534-52-1	4,6-Dinitro-2-methylphenol	SVOC	68,000		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
59-50-7	4-Chloro-3-methylphenol	SVOC	NA		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
106-47-8	4-Chloroaniline	SVOC	NA		< 750		< 710		< 750		< 740		< 780		< 710		< 770		< 790		< 710		< 710		< 790		< 730		< 730	
100-01-6	4-Nitroaniline	SVOC	NA		< 1900		< 1800		< 1900		< 1800		< 2000		< 1800		< 1900		< 2000		< 1800		< 1800		< 2000		< 1800		< 1800	
100-02-7	4-Nitrophenol	SVOC	NA		< 1900		< 1800		< 1900		< 1800		< 2000		< 1800		< 1900		< 2000		< 1800		< 1800		< 2000		< 1800		< 1800	
83-32-9	Acenaphthene	SVOC	37,000,000		< 260		< 250		180		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
208-96-8	Acenaphthylene	SVOC	300,000,000		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150		< 150	
98-86-2	Acetophenone	SVOC	5,000		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
62-53-3	Aniline	SVOC	NA		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330	
120-12-7	Anthracene	SVOC	30,000,000		< 260		210		510		< 260		< 270		< 250		310		250		< 250		< 250		< 280		< 250		< 250	
1912-24-9	Atrazine	SVOC	2,400,000		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150		< 150	
100-52-7	Benzaldehyde	SVOC	68,000,000		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
56-55-3	Benzo-a-Anthracene	SVOC	2,000		280		880		1200		280		< 270		< 250		990		600		< 250		200		< 280		< 250		130	
50-32-8	Benzo-a-Pyrene	SVOC	200		280		800		950		280		< 160		< 140		990		550		< 140		190		< 160		< 150		130	
205-99-2	Benzo-b-Fluoranthene	SVOC	2,000		480		1300		1600		490		140		< 250		1300		760		< 250		300		< 280		130		200	
207-08-9	Benzo-k-Fluoranthene	SVOC	23,000		200		520		590		180		< 270		< 250		540		260		< 250		160		< 280		< 250		< 250	
191-24-2	Benzo-g,h,i-Perylene	SVOC	30,000,000		< 260		210		220		< 260		< 270		< 250		390		230		< 250		< 250		< 280		< 250		< 250	
65-85-0	Benzoic Acid	SVOC	NA		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330	
100-51-6	Benzyl Alcohol	SVOC	NA		< 370		< 360		< 380		< 370		< 390		< 360		< 380		< 390		< 360		< 360		< 390		< 360		< 360	
111-44-4	Bis(2-Chloroethyl)ether	SVOC	2,000		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150		< 150	
108-60-1	Bis(2-Chloroisopropyl)ether	SVOC	67,000		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
117-81-7	Bis(2-Ethylhexyl)Phthalate	SVOC	140,000		230		< 250		120		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
85-68-7	Butylbenzylphthalate	SVOC	14,000,000		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
105-60-2	Caprolactam	SVOC	340,000,000		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
86-74-8	Carbazole	SVOC	96,000		< 1900		< 1800		350		< 1800		< 2000		< 1800		< 1900		< 2000		< 1800		< 1800		< 2000		< 1800		< 1800	
218-01-9	Chrysene	SVOC	230,000		270		820		1100		350		130		< 250		1100		660		< 250		190		< 280		< 250		170	
75-99-0	Dalapon	SVOC	NA		< 46		< 46		< 48		< 46		< 50		< 45		< 49		< 49		< 45		< 45		< 49		< 46		< 46	
132-64-9	Dibenzofuran	SVOC	NA		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
53-70-3	Dibenzo-a,h-Anthracene	SVOC	200		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150		< 150	
84-66-2	Diethyl Phthalate	SVOC	550,000,000		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
131-11-3	Dimethyl Phthalate	SVOC	NA		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
84-74-2	Di-n-Butyl Phthalate	SVOC	68,000,000		< 260		< 250		< 260		< 260		< 270		< 250		130		< 280		< 250		< 250		< 280		< 250		< 250	
117-84-0	Di-n-Octyl Phthalate	SVOC	27,000,000		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
206-44-0	Fluoranthene	SVOC	24,000,000		470		1700		2100		620		170		< 250		1400		1000		< 250		320		< 280		120		200	
86-73-7	Fluorene	SVOC	24,000,000		< 260		< 250		190		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
118-74-1	Hexachlorobenzene	SVOC	1,000		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150		< 150	
77-47-4	Hexachlorocyclopentadiene	SVOC	110,000		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
67-72-1	Hexachloroethane	SVOC	140,000		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150		< 150	
193-39-5	Indeno(1,2,3-cd)Pyrene	SVOC	2,000		< 260		200		210		< 260		< 270		< 250		400		240		< 250		< 250		< 280		< 250		< 250	
78-59-1	Isophorone	SVOC	2,000,000		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150		< 150	
98-95-3	Nitrobenzene	SVOC	340,000		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150		< 150	
62-75-9	N-Nitrosodimethylamine	SVOC	700		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
621-64-7	N-Nitroso-di-n-Propylamine	SVOC	300		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150		< 150	
86-30-6	N-Nitrosodiphenylamine	SVOC	390,000		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150		< 150	
87-86-5	Pentachlorophenol	SVOC	10,000		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
85-01-8	Phenanthrene	SVOC	300,000,000		350		1100		1800		460		170		< 140		1300		1200		< 140		280		< 160		110		180	
108-95-2	Phenol	SVOC	210000000		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250	
129-00-0	Pyrene	SVOC	18,000,000		450		1400		2100		520		170		< 250		1200		830		< 250		270		< 280		< 250		210	

Table 4: Sample Results in Comparison with NJ NRDCSRS
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NJ NRDCSRS	WC 23 1-2	WC 23 COMP	WC 24 1-2	WC 24 COMP	WC 25 1-2	WC 25 COMP	WC 26 2-3	WC 26 COMP	WC 27 1-2	WC 27 COMP	WC 28 1-2	WC 28 COMP	WC 29 2-3	WC 29 COMP	DUP WC 29 2-3	DUP WC 29 COMP	WC 30 1-2	WC 30 COMP	WC 31 1-2	WC 31 COMP	WC 32 2-3	WC 32 COMP	WC 33 3-4	WC 33 COMP	WC 34 2-3	WC 34 COMP	WC 35 1-2
	Lab Sample ID			BH70952	BH70953	BH70954	BH70955	BH70948	BH70949	BH70940	BH70941	BH69806	BH69807	BH69289	BH69290	BH69808	BH69809	BH69810	BH69811	BH68765	BH68766	BH70956	BH70957	BH69794	BH69795	BH68763	BH68764	BH70942	BH70943	BH69796
	Date			2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/5/2015	2/5/2015	2/3/2015	2/3/2015	1/30/2015	1/30/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	1/29/2015	1/29/2015	2/3/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
93-76-5	2,4,5-T	HERBICIDE	NA		< 46		< 46		< 48		< 46		< 50		< 45		< 49		< 49		< 45		< 45		< 49		< 46		< 46	
93-72-1	2,4,5-TP Acid	PESTICIDE	NA		< 46		< 46		< 48		< 46		< 50		< 45		< 49		< 49		< 45		< 45		< 49		< 46		< 46	
94-75-7	2,4-D	HERBICIDE	NA		< 46		< 46		< 48		< 46		< 50		< 45		< 49		< 49		< 45		< 45		< 49		< 46		< 46	
72-54-8	4,4-DDD	PESTICIDE	13,000		< 2.2		< 2.2		< 2.3		< 2.2		< 2.4		< 2.1		< 12		< 2.3		< 2.1		< 2.1		< 2.4		< 2.2		< 2.2	
72-55-9	4,4-DDE	PESTICIDE	9,000		< 2.2		< 2.2		< 2.3		< 2.2		< 2.4		< 2.1		< 12		< 2.3		< 2.1		< 2.1		< 2.4		< 2.2		< 2.2	
50-29-3	4,4-DDT	PESTICIDE	8,000		< 2.2		< 2.2		< 2.3		< 2.2		< 2.4		< 2.1		< 12		< 2.3		< 2.1		< 2.1		< 2.4		< 2.2		< 2.2	
309-00-2	Aldrin	PESTICIDE	200		< 3.7		< 3.6		< 3.8		< 3.7		< 4.0		< 3.6		< 19		< 3.9		< 3.6		< 3.6		< 3.9		< 3.6		< 3.7	
319-84-6	alpha-BHC	PESTICIDE	500		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2		< 7.4	
5103-71-9	Alpha Chlordane	PESTICIDE	NA		< 3.7		< 3.6		< 3.8		< 3.7		< 4.0		< 3.6		< 19		< 3.9		< 3.6		< 3.6		< 3.9		< 3.6		< 3.7	
12674-11-2	Aroclor 1016	PCB	NA		< 73		< 73		850		< 75		< 80		< 72		< 78		< 78		< 71		< 71		< 79		< 72		< 74	
1104-28-2	Aroclor 1221	PCB	NA		< 73		< 73		< 76		< 75		< 80		< 72		< 78		< 78		< 71		< 71		< 79		< 72		< 74	
11141-16-5	Aroclor 1232	PCB	NA		< 73		< 73		< 76		< 75		< 80		< 72		< 78		< 78		< 71		< 71		< 79		< 72		< 74	
53469-21-9	Aroclor 1242	PCB	NA		< 73		< 73		< 76		< 75		< 80		< 72		< 78		< 78		< 71		< 71		< 79		< 72		< 74	
12672-29-6	Aroclor 1248	PCB	NA		< 73		< 73		< 76		< 75		< 80		< 72		< 78		< 78		< 71		< 71		< 79		< 72		< 74	
11097-69-1	Aroclor 1254	PCB	NA		< 73		< 73		< 76		< 75		< 80		< 72		< 78		< 78		< 71		< 71		< 79		< 72		< 74	
11096-82-5	Aroclor 1260	PCB	NA		< 73		< 73		< 76		< 75		< 80		< 72		430		< 78		< 71		< 71		< 79		< 72		< 74	
11096-82-5	Aroclor 1262	PCB	NA		< 73		< 73		< 76		< 75		< 80		< 72		< 78		< 78		< 71		< 71		< 79		< 72		< 74	
37324-23-5	Aroclor 1268	PCB	NA		< 73		< 73		< 76		< 75		< 80		< 72		< 78		< 78		< 71		< 71		< 79		< 72		< 74	
319-85-7	beta-BHC	PESTICIDE	2000		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2		< 7.4	
57-74-9	Chlordane	PESTICIDE	1000		< 37		< 36		< 38		< 37		< 40		< 36		< 190		< 39		< 36		< 36		< 39		< 36		< 37	
319-86-8	delta-BHC	PESTICIDE	NA		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2		< 7.4	
1918-00-9	Dicamba	HERBICIDE	NA		< 92		< 91		< 96		< 92		< 99		< 90		< 97		< 99		< 91		< 89		< 98		< 92		< 93	
60-57-1	Dieldrin	PESTICIDE	200		< 3.7		< 3.6		< 3.8		< 3.7		< 4.0		< 3.6		< 19		< 3.9		< 3.6		< 3.6		< 3.9		< 3.6		< 3.7	
115-29-7	Endosulfan	PESTICIDE	6,800,000		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2		< 7.4	
959-98-8	Endosulfan I	PESTICIDE	NA		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2		< 7.4	
33213-65-9	Endosulfan II	PESTICIDE	NA		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2		< 7.4	
1031-07-8	Endosulfan Sulfate	PESTICIDE	6,800,000		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2		< 7.4	
72-20-8	Endrin	PESTICIDE	340,000		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2		< 7.4	
58-89-9	gamma-BHC	PESTICIDE	2000		< 1.5		< 1.5		< 10		< 1.5		< 1.6		< 1.4		< 7.7		< 1.6		< 1.4		< 1.4		< 1.6		< 1.4		< 1.5	
5103-74-2	Gamma Chlordane	PESTICIDE	NA		< 3.7		< 3.6		< 3.8		< 3.7		< 4.0		< 3.6		< 19		< 3.9		< 3.6		< 3.6		< 3.9		< 3.6		< 3.7	
76-44-8	Heptachlor	PESTICIDE	700		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2		< 7.4	
1024-57-3	Heptachlor Epoxide	PESTICIDE	300		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2		< 7.4	
72-43-5	Methoxychlor	PESTICIDE	5,700,000		< 37		< 36		< 38		< 37		< 40		< 36		< 190		< 39		< 36		< 36		< 39		< 36		< 37	
56-38-2	Parathion	PESTICIDE	NA		< 370		< 360		< 380		< 370		< 390		< 360		< 380		< 390		< 360		< 360		< 390		< 360		< 360	
1336-36-3	Polychlorinated Biphenyls	PESTICIDE	1000		0		0		850		0		0		0		430		0		0		0		0		0		0	
8001-35-2	Toxaphene	PESTICIDE	3000		< 150		< 150		< 150		< 150		< 160		< 140		< 770		< 160		< 140		< 140		< 160		< 140		< 150	
	Unit		*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
7429-90-5	Aluminum, Al	METAL	NA		5390		3710		4900		3260		1320		1390		3360		3810		2280		3610		1360		1830		3390	
7440-36-0	Antimony, Sb	METAL	450		< 3.5		< 3.4		< 3.9		< 4.0		< 3.9		< 3.5		15.5		18.6		< 3.3		< 3.5		< 4.0		< 3.8		< 3.3	
7440-38-2	Arsenic, As	METAL	19*		3.6		2.5		3.1		5		1		1.1		10.9		9.1		1.9		2.2		1.4		1.9		4.3	
7440-39-3	Barium, Ba	METAL	59,000		52.6		30.9		53.5		70.1		16.4		12.4		254		509		16		32.7		10.3		11.7		44.1	
7440-41-7	Beryllium, Be	METAL	140		0.33		< 0.27		< 0.31		0.39		< 0.31		< 0.28		< 0.33		< 0.31		< 0.26		< 0.28		< 0.32		< 0.30		0.32	
7440-43-9	Cadmium, Cd	METAL	78		0.72		< 0.34		5.41		< 0.40		< 0.39		< 0.35		2.21		1.06		< 0.33		< 0.35		< 0.40		< 0.38		0.37	
7440-47-3	Chromium, Cr	METAL	NA		15.4		9.19		24.4		10.7		4.86		4.5		287		121		10.4		11.1		4.43		8.39		11.1	
18540-29-9	Chromium, hexavalent	METAL	20		< 0.45		< 0.42		0.98		< 0.45		< 0.48		< 0.43		< 0.45		2.08		< 0.42		< 0.43		< 0.46		< 0.44		< 0.44	
16065-83-1	Chromium, trivalent	METAL	NA		15.4		9.19		23.4		10.7		4.86		4.5		287		119		10.4		11.1		4.43		8.39		11.1	
7440-48-4	Cobalt, Co	METAL	590		4.74		2.81		3.55		3.84		1.25		1.26		34.8		28.1		2.02		3.48		1.55		1.81		4.44	
7440-50-8	Copper, Cu	METAL	45000		21.7		13.3		29.6		16.6		4.21		1.57		2930		8320		6.45		15.6		3.18		6.59		18.5	
57-12-5	Cyanide	METAL	23,000		< 0.56		< 0.55		< 0.53		< 0.56		< 0.60		0.66		1.32		0.63		4.16		< 0.54		< 0.54		< 0.51		< 0.56	
7439-89-6	Iron, Fe	METAL	NA		9370		7110		10200		6440		2740		2710		96000		45300		4650		7310		2980		4800		12100	
7439-92-1	Lead, Pb	METAL	800		93.6		42.2		238		61		30.6		19.3		505		594		39.6		54.4		12.3		13.2		50.9	
7439-96-5	Manganese, Mn	METAL	5,900		146		110		148		103		35.4		30.2		570		336		53.8		125		34.3		50.6		138	
7439-97-6	Mercury, Hg	METAL	65		0.25		0.15		0.21		0.09		< 0.03		0.05		0.1		0.09		< 0.03		0.09		0.08		< 0.03		0.1	
7440-02-0	Nickel, Ni	METAL	23,000		17.7		11.7		16.2		12.2		4.13		4.13		151		82.8		7.56		14.1		4.95		6.67		11	
7782-49-2	Selenium, Se	METAL	5,700		< 1.4		< 1.4		< 1.6		< 1.6		< 1.6		< 1.4		< 1.6		< 1.5		< 1.3		< 1.4		< 1.6		< 1.5		< 1.3	
7440-22-4	Silver, Ag	METAL	5,700		< 0.35		< 0.34		< 0.39		< 0.40		< 0.39		< 0.35		0.63		2.28		< 0.33		< 0.35		< 0.40		< 0.38		< 0.33	
7440-28-0	Thallium, Ti	METAL	79		< 3.2		< 3.1		< 3.5		< 3.6		< 3.5		< 3.2		< 3.7		< 3.5		< 2.9		< 3.1		< 3.6		< 3.4		< 3.0	
7440-62-2	Vanadium, V	METAL	1,100		18.6		12.1		16.1		9.98		6.21		4.55		31.3		22.5		7.45		10.4		5.18		6.57		14.6	
7440-66-6	Zinc, Zn	METAL	110,000		91		52.3		495		97.5		30.5		16.4		1030		600		50		51.4		23.4		16		109	
	pH	pH	NA		12		11.69		11.94		9.36		10.75		9.39		8.14		8.44		9.07		9.61		9.07		10.26		10.51	
	TPH	TPH	NA		<55		<54		<58		<56		<60		< 54		660		280		< 55		<53		<58		< 54		<54	

Notes: Shaded values indicate an exceedance of NJ NRDCSRS.

Notes
ug/kg = micrograms per kilogram (ppb)
mg/kg = milligrams per kilogram (ppm)
ug/L = micrograms per liter
mg/L = milligrams per liter

Table 4: Sample Results in Comparison with NJ NRDCSRS
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NJ NRDCSRS	WC 35 COMP	WC 36 2-3	WC 36 COMP	WC 37 4-5	WC 37 COMP	WC 38 1-2	WC 38 COMP	WC 39 2-3	WC 39 COMP	WC 40 1-2	WC 40 COMP	WC 41 1-2	WC 41 COMP	WC 42 1-2	WC 42 COMP	WC 43 1-2	WC 43 COMP	WC 44 1-2	WC 44 COMP	WC 45 2-3	WC 45 COMP	DUP WC 45 2-3	DUP WC 45 COMP	WC 46 2-3	WC 46 COMP	WC 47 2-3	WC 47 COMP
	Lab Sample ID			BH69797	BH68761	BH68762	BH70548	BH70549	BH70550	BH70551	BH70950	BH70951	BH69798	BH69799	BH68759	BH68760	BH70544	BH70545	BH70552	BH70553	BH70570	BH70571	BH70566	BH70567	BH70568	BH70569	BH68757	BH68758	BH70546	BH70547
	Date			2/3/2015	1/29/2015	1/29/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	1/29/2015	1/29/2015	2/4/2015	2/4/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
630-20-6	1,1,1,2-Tetrachloroethane	VOC	NA		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2	
71-55-6	1,1,1-Trichloroethane	VOC	4,200,000		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2	
79-34-5	1,1,2,2-Tetrachloroethane	VOC	3,000		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2	
79-00-5	1,1,2-Trichloroethane	VOC	6,000		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2	
92-52-4	1-1- Biphenyl	SVOC	34,000,000	< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250
75-34-3	1,1-Dichloroethane	VOC	24,000		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2	
75-35-4	1,1-Dichloroethene	VOC	150,000		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2	
95-63-6	1,2,4-Trimethylbenzene	VOC	NA		< 250		< 3.3		< 250		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3		< 2.2	
96-12-8	1,2-Dibromo-3-Chloropropane	VOC	200		< 250		< 3.3		< 80		< 3.0		< 80		< 2.6		< 4.9		< 2.3		< 80		< 80		< 80		< 2.3		< 2.2	
106-93-4	1,2-Dibromoethane	VOC	40		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2	
95-50-1	1,2-Dichlorobenzene	VOC	NA		< 250		< 3.3		< 250		< 3.0		< 640		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3		< 2.2	
107-06-2	1,2-Dichloroethane	VOC	3,000		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2	
78-87-5	1,2-Dichloropropane	VOC	5,000		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2	
108-67-8	1,3,5-Trimethylbenzene	VOC	NA		< 250		< 3.3		< 250		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3		< 2.2	
541-73-1	1,3-Dichlorobenzene	VOC	59,000,000		< 250		< 3.3		< 250		< 3.0		< 640		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3		< 2.2	
106-46-7	1,4-Dichlorobenzene	VOC	13,000		< 250		< 3.3		< 250		< 3.0		< 640		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3		< 2.2	
123-91-1	1,4-Dioxane	VOC	NA		< 47		< 65		< 52		< 60		< 83		< 51		< 97		< 45		< 48		< 100		< 86		< 46		< 44	
78-93-3	2-Butanone	VOC	44,000,000		< 14		< 20		< 16		< 18		< 25		< 15		< 29		< 14		< 14		< 35		< 26		< 14		< 13	
108-10-1	4-Methyl-2-Pentanone	VOC	NA		< 12		< 16		< 13		< 15		< 21		< 13		< 24		< 11		< 12		< 29		< 22		< 12		< 11	
67-64-1	Acetone	VOC	NA		2.6		< 33		3.6		< 30		< 42		< 26		< 49		6.5		< 24		< 50		< 43		4.2		< 22	
107-02-8	Acrolein	VOC	1000		< 12		< 16		< 13		< 15		< 21		< 13		< 24		< 11		< 12		< 29		< 22		< 12		< 11	
107-13-1	Acrylonitrile	VOC	3,000		< 4.7		< 6.5		< 5.2		< 6.0		< 8.3		< 5.1		< 9.7		< 4.5		< 4.8		< 12		< 8.6		< 4.6		< 4.4	
71-43-2	Benzene	VOC	5,000		66		< 3.3		< 2.6		< 3.0		0.97		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2	
92-87-5	Benzidine	SVOC	700	< 560		< 570		< 540		< 2700		< 560		< 560		< 2600		< 700		< 550		< 560		< 560		< 570		< 540		< 550
74-97-5	Bromochloromethane	VOC	NA		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2	
75-27-4	Bromodichloromethane	VOC	3,000		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2	
75-25-2	Bromoform	VOC	280,000		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2	
74-83-9	Bromomethane	VOC	59,000		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2	
75-15-0	Carbon Disulfide	VOC	110,000,000		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2	
56-23-5	Carbon Tetrachloride	VOC	2000		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2	
108-90-7	Chlorobenzene	VOC	7,400,000		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2	
124-48-1	Chlorodibromomethane	VOC	8,000		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2	
75-00-3	Chloroethane	VOC	1,100,000		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2	
67-66-3	Chloroform	VOC	2000		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2	
74-87-3	Chloromethane	VOC	12,000		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2	
156-59-2	cis-1,2-Dichloroethene	VOC	560,000		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2	
74-95-3	Dibromomethane	VOC	NA																											
75-71-8	Dichlorodifluoromethane	VOC	230,000,000		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2	
100-41-4	Ethylbenzene	VOC	110,000,000		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2	
98-82-8	Isopropylbenzene	VOC	NA		< 250		< 3.3		< 250		< 3.0		< 640		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3		< 2.2	
75-09-2	Methylene Chloride	VOC	97,000		< 2.4		1.7		1.5		0.76		< 4.2		< 2.6		1.5		1		0.72		2.4		1.1		< 2.3		0.57	
1634-04-4	Methyl Tert-Butyl Ether	VOC	320,000		< 4.7		< 6.5		< 5.2		< 6.0		< 8.3		< 5.1		< 9.7		< 4.5		< 4.8		< 12		< 8.6		< 4.6		< 4.4	
91-20-3	Naphthalene	SVOC	17,000	< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		130		< 250		< 250
104-51-8	n-Butylbenzene	VOC	NA		< 250		< 3.3		< 250		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3		< 2.2	
103-65-1	n-Propylbenzene	VOC	NA		< 250		< 3.3		< 250		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3		< 2.2	
99-87-6	p-Isoproplytoluene	VOC	NA		< 250		< 3.3		< 250		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3		< 2.2	
135-98-8	sec-Butylbenzene	VOC	NA		< 250		< 3.3		< 250		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3		< 2.2	
100-42-5	Styrene	VOC	260,000		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2	
98-06-6	tert-Butylbenzene	VOC	NA		< 250		< 3.3		< 250		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3		< 2.2	
75-65-0	Tertiary Butyl Alcohol	VOC	11,000,000		< 47		< 65		< 52		< 60		< 83		< 51		< 97		< 45		< 48		< 120		< 86		< 46		< 44	
127-18-4	Tetrachloroethene	VOC	5,000		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2	
108-88-3	Toluene	VOC	91,000,000		140		< 3.3		< 2.6		< 3.0		200		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2	
1330-20-7	Total Xylenes	VOC	170,000,000		< 250		< 3.3		< 2.6		< 3.0		550		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2	
156-60-5	trans-1,2-Dichloroethene	VOC	720,000		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2	
79-01-6	Trichloroethene	VOC	20,000		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2	
75-69-4	Trichlorofluoromethane	VOC	340,000,000		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2	
108-05-4	Vinyl Acetate	VOC	NA		< 24		< 33		< 26		< 30		< 42		< 26		< 49		< 23		< 24		< 59		< 43		< 23		< 22	
75-01-4	Vinyl Chloride	VOC	2,000		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2	

Table 4: Sample Results in Comparison with NJ NRDCSRS
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NJ NRDCSRS	WC 35 COMP	WC 36 2-3	WC 36 COMP	WC 37 4-5	WC 37 COMP	WC 38 1-2	WC 38 COMP	WC 39 2-3	WC 39 COMP	WC 40 1-2	WC 40 COMP	WC 41 1-2	WC 41 COMP	WC 42 1-2	WC 42 COMP	WC 43 1-2	WC 43 COMP	WC 44 1-2	WC 44 COMP	WC 45 2-3	WC 45 COMP	DUP WC 45 2-3	DUP WC 45 COMP	WC 46 2-3	WC 46 COMP	WC 47 2-3	WC 47 COMP
	Lab Sample ID			BH69797	BH68761	BH68762	BH70548	BH70549	BH70550	BH70551	BH70950	BH70951	BH69798	BH69799	BH68759	BH68760	BH70544	BH70545	BH70552	BH70553	BH70570	BH70571	BH70566	BH70567	BH70568	BH70569	BH68757	BH68758	BH70546	BH70547
	Date			2/3/2015	1/29/2015	1/29/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	1/29/2015	1/29/2015	2/4/2015	2/4/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
87-68-3	Hexachlorobutadiene	SVOC	25,000	< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250
122-66-7	1,2- Diphenylhydrazine	SVOC	2,000	< 380		< 380		< 360		< 1800		< 370		< 370		< 1800		< 700		< 370		< 370		< 370		< 380		< 360		< 360
120-82-1	1,2,4-Trichlorobenzene	VOC	820,000		< 250		< 3.3		< 250		< 3.0		< 640		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3		< 2.2	
95-94-3	1,2,4,5-Tetrachlorobenzene	SVOC	NA	< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250
58-90-2	2,3,4,6-Tetrachlorophenol	SVOC	NA	< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250
95-95-4	2,4,5-Trichlorophenol	SVOC	68,000,000	< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250
88-06-2	2,4,6-Trichlorophenol	SVOC	74,000	< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140		< 150
102-83-2	2,4-Dichlorophenol	SVOC	2100000	< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140		< 150
105-67-9	2,4-Dimethylphenol	SVOC	14,000,000	< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250
51-28-5	2,4-Dinitrophenol	SVOC	1,400,000	< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250
121-14-2	2,4-Dinitrotoluene	SVOC	3,000	< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140		< 150
606-20-2	2,6-Dinitrotoluene	SVOC	3,000	< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140		< 150
91-58-7	2-Chloronaphthalene	SVOC	NA	< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250
95-57-8	2-Chlorophenol	SVOC	2,200,000	< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250
91-57-6	2-Methylnaphthalene	SVOC	2,400,000	< 260		< 260		< 250		< 1200		< 260		120		< 1200		< 510		< 260		< 260		< 260		120		< 250		< 250
95-48-7	2-Methylphenol	SVOC	3,400,000	< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 330		< 260		< 260		< 260		< 270		< 250		< 250
88-74-4	2-Nitroaniline	SVOC	23,000,000	< 1900		< 1900		< 1800		< 8900		< 1900		< 1900		< 8800		< 3600		< 1800		< 1900		< 1900		< 1900		< 1800		< 1800
88-75-5	2-Nitrophenol	SVOC	NA	< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250
91-94-1	3,3-Dichlorobenzidine	SVOC	4,000	< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140		< 150
99-09-2	3-Nitroaniline	SVOC	NA	< 1900		< 1900		< 1800		< 8900		< 1900		< 1900		< 8800		< 3600		< 1800		< 1900		< 1900		< 1900		< 1800		< 1800
534-52-1	4,6-Dinitro-2-methylphenol	SVOC	68,000	< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250
59-50-7	4-Chloro-3-methylphenol	SVOC	NA	< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250
106-47-8	4-Chloroaniline	SVOC	NA	< 750		< 760		< 720		< 3600		< 750		< 750		< 3500		< 1500		< 730		< 750		< 750		< 760		< 720		< 730
100-01-6	4-Nitroaniline	SVOC	NA	< 1900		< 1900		< 1800		< 8900		< 1900		< 1900		< 8800		< 3600		< 1800		< 1900		< 1900		< 1900		< 1800		< 1800
100-02-7	4-Nitrophenol	SVOC	NA	< 1900		< 1900		< 1800		< 8900		< 1900		< 1900		< 8800		< 3600		< 1800		< 1900		< 1900		< 1900		< 1800		< 1800
83-32-9	Acenaphthene	SVOC	37,000,000	< 260		< 260		< 250		< 1200		440		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250
208-96-8	Acenaphthylene	SVOC	300,000,000	< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140		< 150
98-86-2	Acetophenone	SVOC	5,000	< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250
62-53-3	Aniline	SVOC	NA	< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330
120-12-7	Anthracene	SVOC	30,000,000	< 260		< 260		< 250		< 1200		1200		< 260		810		< 510		< 260		300		< 260		250		< 250		130
1912-24-9	Atrazine	SVOC	2,400,000	< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140		< 150
100-52-7	Benzaldehyde	SVOC	68,000,000	< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250
56-55-3	Benzo-a-Anthracene	SVOC	2,000	330		490		190		620		3100		190		5000		< 510		< 260		830		180		710		140		340
50-32-8	Benzo-a-Pyrene	SVOC	200	400		530		190		< 710		2500		200		4300		< 200		< 150		780		180		640		130		300
205-99-2	Benzo-b-Fluoranthene	SVOC	2,000	490		680		260		650		4200		270		5800		300		130		1100		270		930		190		410
207-08-9	Benzo-k-Fluoranthene	SVOC	23,000	190		230		< 250		< 1200		1300		< 260		2000		< 510		< 260		380		< 260		330		< 250		160
191-24-2	Benzo-g,h,i-Perylene	SVOC	30,000,000	400		390		< 250		< 1200		640		160		2000		< 510		< 260		390		120		350		< 250		140
65-85-0	Benzoic Acid	SVOC	NA	< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330
100-51-6	Benzyl Alcohol	SVOC	NA	< 380		< 380		< 360		< 1800		< 370		< 370		< 1800		< 730		< 370		< 370		< 370		< 380		< 360		< 360
111-44-4	Bis(2-Chloroethyl)ether	SVOC	2,000	< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140		< 150
108-60-1	Bis(2-Chloroisopropyl)ether	SVOC	67,000	< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250
117-81-7	Bis(2-Ethylhexyl)Phthalate	SVOC	140,000	< 260		< 260		< 250		< 1200		940		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250
85-68-7	Butylbenzylphthalate	SVOC	14,000,000	< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250
105-60-2	Caprolactam	SVOC	340,000,000	< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250
86-74-8	Carbazole	SVOC	96,000	< 1900		< 1900		< 1800		< 8900		820		< 1900		< 8800		< 3600		< 1800		< 1900		< 1900		< 1900		< 1800		< 1800
218-01-9	Chrysene	SVOC	230,000	420		550		220		620		2800		230		4800		< 510		< 260		910		230		840		160		370
75-99-0	Dalapon	SVOC	NA	< 48		< 47		< 46		< 45		< 48		< 46		< 45		< 46		< 46		< 46		< 47		< 47		< 45		< 47
132-64-9	Dibenzofuran	SVOC	NA	< 260		< 260		< 250		< 1200		240		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250
53-70-3	Dibenzo-a,h-Anthracene	SVOC	200	< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 200		< 150		< 150		< 150		< 150		< 140		< 150
84-66-2	Diethyl Phthalate	SVOC	550,000,000	< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250
131-11-3	Dimethyl Phthalate	SVOC	NA	< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250
84-74-2	Di-n-Butyl Phthalate	SVOC	68,000,000	< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250
117-84-0	Di-n-Octyl Phthalate	SVOC	27,000,000	< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250
206-44-0	Fluoranthene	SVOC	24,000,000	530		880		330		1300		5500		340		7200		480		180		1500		410		1800		230		690
86-73-7	Fluorene	SVOC	24,000,000	< 260		< 260		< 250		< 1200		420		< 260		< 1200		< 510		< 260		< 260		< 260		130		< 250		< 250
118-74-1	Hexachlorobenzene	SVOC	1,000	< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140		< 150
77-47-4	Hexachlorocyclopentadiene	SVOC	110,000	< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250
67-72-1	Hexachloroethane	SVOC	140,000	< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140		< 150
193-39-5	Indeno(1,2,3-cd)Pyrene	SVOC	2,000	330		410		< 250		< 1200		620		140		2300		< 500		< 260		440		130		410		< 250		160
78-59-1	Isophorone	SVOC	2,000,000	< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140		< 150
98-95-3	Nitrobenzene	SVOC	340,000	< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140		< 150
62-75-9	N-Nitrosodimethylamine	SVOC	700	< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250
621-64-7	N-Nitroso-di-n-Propylamine	SVOC	300	< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 200		< 150		< 150		< 150		< 150		< 140		< 150
86-30-6	N-Nitrosodiphenylamine	SVOC	390,000	< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140		< 150
87-86-5	Pentachlorophenol	SVOC	10,000	< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250
85-01-8	Phenanthrene	SVOC	300,000,000	550		730		260		800		4000		310		3000		280		130		960		260		1500		180		520
108-95-2	Phenol	SVOC	210000000	< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 330		< 260		< 260		< 260		< 270		< 250		< 250
129-00-0	Pyrene	SVOC	18,000,000	440		750		290		1200		4900		270		6200		460		160		1400		360		1400		190		580

Table 4: Sample Results in Comparison with NJ NRDCSRS
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NJ NRDCSRS	WC 35 COMP	WC 36 2-3	WC 36 COMP	WC 37 4-5	WC 37 COMP	WC 38 1-2	WC 38 COMP	WC 39 2-3	WC 39 COMP	WC 40 1-2	WC 40 COMP	WC 41 1-2	WC 41 COMP	WC 42 1-2	WC 42 COMP	WC 43 1-2	WC 43 COMP	WC 44 1-2	WC 44 COMP	WC 45 2-3	WC 45 COMP	DUP WC 45 2-3	DUP WC 45 COMP	WC 46 2-3	WC 46 COMP	WC 47 2-3	WC 47 COMP
	Lab Sample ID			BH69797	BH68761	BH68762	BH70548	BH70549	BH70550	BH70551	BH70950	BH70951	BH69798	BH69799	BH68759	BH68760	BH70544	BH70545	BH70552	BH70553	BH70570	BH70571	BH70566	BH70567	BH70568	BH70569	BH68757	BH68758	BH70546	BH70547
	Date			2/3/2015	1/29/2015	1/29/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	1/29/2015	1/29/2015	2/4/2015	2/4/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
93-76-5	2,4,5-T	HERBICIDE	NA	< 48		< 47		< 46		< 45		< 48		< 46		< 45		< 46		< 46		< 46		< 47		< 47		< 45		< 47
93-72-1	2,4,5-TP Acid	PESTICIDE	NA	< 48		< 47		< 46		< 45		< 48		< 46		< 45		< 46		< 46		< 46		< 47		< 47		< 45		< 47
94-75-7	2,4-D	HERBICIDE	NA	< 48		< 47		< 46		< 45		< 48		< 46		< 45		< 46		< 46		< 46		< 47		< 47		< 45		< 47
72-54-8	4,4-DDD	PESTICIDE	13,000	< 2.3		< 2.2		< 2.2		< 2.1		< 2.3		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2		< 2.1		< 2.2
72-55-9	4,4-DDE	PESTICIDE	9,000	< 2.3		< 2.2		< 2.2		< 2.1		< 2.3		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2		< 2.1		< 2.2
50-29-3	4,4-DDT	PESTICIDE	8,000	< 2.3		< 2.2		< 2.2		< 2.1		< 2.3		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2		< 2.1		< 2.2
309-00-2	Aldrin	PESTICIDE	200	< 3.8		< 3.7		< 3.7		< 3.6		< 3.8		< 3.7		< 3.6		< 3.6		< 3.6		< 3.6		< 3.7		< 3.7		< 3.6		< 3.7
319-84-6	alpha-BHC	PESTICIDE	500	< 7.6		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5		< 7.1		< 7.5
5103-71-9	Alpha Chlordane	PESTICIDE	NA	< 3.8		< 3.7		11		< 3.6		< 3.8		< 3.7		< 3.6		< 3.6		< 3.6		< 3.6		< 3.7		< 3.7		< 3.6		< 3.7
12674-11-2	Aroclor 1016	PCB	NA	< 76		< 75		< 74		< 72		870		< 73		< 72		< 73		< 73		< 73		< 74		< 75		< 71		< 75
1104-28-2	Aroclor 1221	PCB	NA	< 76		< 75		< 74		< 72		< 75		< 73		< 72		< 73		< 73		< 73		< 74		< 75		< 71		< 75
11141-16-5	Aroclor 1232	PCB	NA	< 76		< 75		< 74		< 72		< 75		< 73		< 72		< 73		< 73		< 73		< 74		< 75		< 71		< 75
53469-21-9	Aroclor 1242	PCB	NA	< 76		< 75		< 74		< 72		< 75		< 73		< 72		< 73		< 73		< 73		< 74		< 75		< 71		< 75
12672-29-6	Aroclor 1248	PCB	NA	< 76		< 75		< 74		< 72		< 75		< 73		< 72		< 73		< 73		< 73		< 74		< 75		< 71		< 75
11097-69-1	Aroclor 1254	PCB	NA	< 76		< 75		< 74		< 72		< 75		< 73		< 72		< 73		< 73		< 73		< 74		< 75		< 71		< 75
11096-82-5	Aroclor 1260	PCB	NA	< 76		< 75		< 74		< 72		< 75		< 73		< 72		< 73		< 73		< 73		< 74		< 75		< 71		< 75
11096-82-5	Aroclor 1262	PCB	NA	< 76		< 75		< 74		< 72		< 75		< 73		< 72		< 73		< 73		< 73		< 74		< 75		< 71		< 75
37324-23-5	Aroclor 1268	PCB	NA	< 76		< 75		< 74		< 72		< 75		< 73		< 72		< 73		< 73		< 73		< 74		< 75		< 71		< 75
319-85-7	beta-BHC	PESTICIDE	2000	< 7.6		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5		< 7.1		< 7.5
57-74-9	Chlordane	PESTICIDE	1000	< 38		< 37		71		< 36		< 38		< 37		< 36		< 36		< 36		< 36		< 37		< 37		< 36		< 37
319-86-8	delta-BHC	PESTICIDE	NA	< 7.6		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5		< 7.1		< 7.5
1918-00-9	Dicamba	HERBICIDE	NA	< 96		< 94		< 92		< 90		< 96		< 93		< 89		< 93		< 93		< 92		< 94		< 95		< 90		< 93
60-57-1	Dieldrin	PESTICIDE	200	< 3.8		< 3.7		< 3.7		< 3.6		< 3.8		< 3.7		< 3.6		< 3.6		< 3.6		< 3.6		< 3.7		< 3.7		< 3.6		< 3.7
115-29-7	Endosulfan	PESTICIDE	6,800,000	< 7.6		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5		< 7.1		< 7.5
959-98-8	Endosulfan I	PESTICIDE	NA	< 7.6		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5		< 7.1		< 7.5
33213-65-9	Endosulfan II	PESTICIDE	NA	< 7.6		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5		< 7.1		< 7.5
1031-07-8	Endosulfan Sulfate	PESTICIDE	6,800,000	< 7.6		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5		< 7.1		< 7.5
72-20-8	Endrin	PESTICIDE	340,000	< 7.6		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5		< 7.1		< 7.5
58-89-9	gamma-BHC	PESTICIDE	2000	< 1.5		< 1.5		< 1.5		< 1.4		< 10		< 1.5		< 1.4		< 1.5		< 1.5		< 1.5		< 1.5		< 1.5		< 1.4		< 1.5
5103-74-2	Gamma Chlordane	PESTICIDE	NA	< 3.8		< 3.7		11		< 3.6		< 3.8		< 3.7		< 3.6		< 3.6		< 3.6		< 3.6		< 3.7		< 3.7		< 3.6		< 3.7
76-44-8	Heptachlor	PESTICIDE	700	< 7.6		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5		< 7.1		< 7.5
1024-57-3	Heptachlor Epoxide	PESTICIDE	300	< 7.6		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5		< 7.1		< 7.5
72-43-5	Methoxychlor	PESTICIDE	5,700,000	< 38		< 37		< 37		< 36		< 38		< 37		< 36		< 36		< 36		< 36		< 37		< 37		< 36		< 37
56-38-2	Parathion	PESTICIDE	NA	< 380		< 380		< 5		< 5		< 370		< 370		< 350		< 5		< 5		< 5		< 5		< 5		< 360		< 5
1336-36-3	Polychlorinated Biphenyls	PESTICIDE	1000	0		0		0		0		870		0		0		0		0		0		0		0		0		0
8001-35-2	Toxaphene	PESTICIDE	3000	< 150		< 150		< 150		< 140		< 150		< 150		< 140		< 150		< 150		< 150		< 150		< 150		< 140		< 150
	Unit		*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
7429-90-5	Aluminum, Al	METAL	NA	2850		2900		4000		5020		10100		2110		2130		5970		3690		2470		3150		1890		2150		6880
7440-36-0	Antimony, Sb	METAL	450	< 3.4		< 3.7		< 3.5		< 3.8		< 10		< 3.8		< 3.3		< 3.3		< 3.5		< 3.5		< 4.1		< 3.5		< 3.7		< 3.5
7440-38-2	Arsenic, As	METAL	19*	5.1		4		2.6		5		4.5		2.2		2.6		4.9		2.3		3.1		3.5		4.2		2.1		3.9
7440-39-3	Barium, Ba	METAL	59,000	44.6		82.5		37.5		46.1		96.1		30.2		110		59.3		29.2		128		94.9		111		38.7		244
7440-41-7	Beryllium, Be	METAL	140	0.3		< 0.30		< 0.28		0.31		0.35		< 0.31		< 0.26		0.34		< 0.28		< 0.28		< 0.32		< 0.28		< 0.30		0.9
7440-43-9	Cadmium, Cd	METAL	78	< 0.34		< 0.37		0.87		0.67		20.6		< 0.38		< 0.33		< 0.33		0.6		0.64		< 0.41		< 0.35		< 0.37		0.4
7440-47-3	Chromium, Cr	METAL	NA	8.64		9.27		13.2		14.7		58.9		7.2		7.11		14.5		10.6		10.7		8.61		7.92		7.2		15.6
18540-29-9	Chromium, hexavalent	METAL	20	< 0.47		< 0.45		< 0.43		< 0.42		1.14		< 0.45		< 0.43		< 0.45		< 0.45		< 0.45		< 0.45		< 0.46		< 0.43		< 0.45
16065-83-1	Chromium, trivalent	METAL	NA	8.64		9.27		13.2		14.7		57.8		7.2		7.11		14.5		10.6		10.7		8.61		7.92		7.2		15.6
7440-48-4	Cobalt, Co	METAL	590	4.19		4.14		4.26		6.14		4.65		1.9		1.8		4.81		3.44		2.34		2.79		2.38		1.92		6.34
7440-50-8	Copper, Cu	METAL	45000	17.6		23.2		21.7		55.2		59.9		11		25.5		16.2		14.4		73.1		39.1		31.9		18.4		35.8
57-12-5	Cyanide	METAL	23,000	< 0.58		< 0.57		< 0.51		< 0.54		< 0.57		< 0.56		< 0.54		< 0.56		< 0.51		< 0.47		< 0.57		< 0.57		< 0.49		< 0.56
7439-89-6	Iron, Fe	METAL	NA	7930		7140		8860		12300		15400		4820		4260		10800		8870		7540		5960		6210		4600		10900
7439-92-1	Lead, Pb	METAL	800	35.2		188		65.4		88.5		712		72.6		212		57.8		41.8		253		207		212		84.8		70.4
7439-96-5	Manganese, Mn	METAL	5,900	110		114		136		333		217		54.7		61.8		234		113		101		98.2		64.1		66.5		247
7439-97-6	Mercury, Hg	METAL	65	0.65		0.1		0.05		0.09		0.4		0.08		0.42		0.21		0.07		0.48		0.53		0.18		0.2		0.09
7440-02-0	Nickel, Ni	METAL	23,000	10.3		9.85		18.6		22.3		23.1		6.29		6.31		19.8		16.6		9.81		9.78		7.95		6.11		29.3
7782-49-2	Selenium, Se	METAL	5,700	< 1.4		< 1.5		< 1.4		< 1.5		< 1.6		< 1.5		< 1.3		< 1.3		< 1.4		< 1.4		< 1.6		< 1.4		< 1.5		< 1.4
7440-22-4	Silver, Ag	METAL	5,700	< 0.34		< 0.37		< 0.35		< 0.38		< 1.0		< 0.38		< 0.33		< 0.33		< 0.35		< 0.35		< 0.41		< 0.35		< 0.37		< 0.35
7440-28-0	Thallium, Ti	METAL	79	< 3.1		< 3.4		< 3.1		< 3.4		< 3.5		< 3.5		< 2.9		< 3.0		< 3.1		< 3.2		< 3.7		< 3.1		< 3.4		< 3.2
7440-62-2	Vanadium, V	METAL	1,100	11.3		12.6		13.1		20.2		25		6.69		7.51		17.5		11.2		9.11		12.7		9.61		7.57		20.4
7440-66-6	Zinc, Zn	METAL	110,000	51		102		102		95.6		840		57.6		188		75.9		64.7		236		164		153		84.3		79.3
	pH	pH	NA	9.48		10.52		9.48		9.11		11.2		9.01		11.09		10.29		11.73		9.03		9.02		8.91		10.92		9.2
	TPH	TPH	NA	<57		< 56		< 55		58		75		<56		< 53		< 55		< 55		< 55		< 57		< 56		< 53		< 55

Notes: Shaded values indicate an exceedance of NJ NRDCSRS.

Notes
ug/kg = micrograms per kilogram (ppb)
mg/kg = milligrams per kilogram (ppm)
ug/L = micrograms per liter
mg/L = milligrams per liter

Table 4: Sample Results in Comparison with NJ NRDCSRS
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NJ NRDCSRS	WC 48 2-3	WC 48 COMP	WC 49 1-2	WC 49 COMP	WC 50 2-3	WC 50 COMP	WC 51 2-3	WC 51 COMP	DUP WC 51 2-3	DUP WC 51 COMP	WC 52 2-3 GRAB	WC 52 2-3 COMP	WC 53 6-7 GRAB	WC 53 COMP	WC 54 3-4 GRAB	WC 54 COMP	WC 55 2-3	WC 55 COMP	WC 56 4-5 GRAB	WC 56 COMP	WC 57 2-3	WC 57 COMP
	Lab Sample ID			BH70542	BH70543	BH70560	BH70561	BH70558	BH70559	BH70554	BH70555	BH70556	BH70557	BH67409	BH67410	BH67413	BH67414	BH67415	BH67416	BH68755	BH68756	BH67411	BH67412	BH68753	BH68754
	Date			2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/29/2015	1/29/2015	1/26/2015	1/26/2015	1/29/2015	1/29/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
630-20-6	1,1,1,2-Tetrachloroethane	VOC	NA	< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
71-55-6	1,1,1-Trichloroethane	VOC	4,200,000	< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
79-34-5	1,1,2,2-Tetrachloroethane	VOC	3,000	< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
79-00-5	1,1,2-Trichloroethane	VOC	6,000	< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
92-52-4	1-1- Biphenyl	SVOC	34,000,000		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
75-34-3	1,1-Dichloroethane	VOC	24,000	< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
75-35-4	1,1-Dichloroethene	VOC	150,000	< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
95-63-6	1,2,4-Trimethylbenzene	VOC	NA	< 3.4		< 2.5		< 2.4		< 3.3		< 260		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
96-12-8	1,2-Dibromo-3-Chloropropane	VOC	200	< 3.4		< 2.5		< 2.4		< 3.3		< 80		< 80		< 2.6		< 2.3		< 260		< 80		< 260	
106-93-4	1,2-Dibromoethane	VOC	40	< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
95-50-1	1,2-Dichlorobenzene	VOC	NA	< 3.4		< 2.5		< 2.4		< 3.3		< 260		< 230		< 2.6		< 2.3		< 260		< 250		< 260	
107-06-2	1,2-Dichloroethane	VOC	3,000	< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
78-87-5	1,2-Dichloropropane	VOC	5,000	< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
108-67-8	1,3,5-Trimethylbenzene	VOC	NA	< 3.4		< 2.5		< 2.4		< 3.3		< 260		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
541-73-1	1,3-Dichlorobenzene	VOC	59,000,000	< 3.4		< 2.5		< 2.4		< 3.3		< 260		< 230		< 2.6		< 2.3		< 260		< 250		< 260	
106-46-7	1,4-Dichlorobenzene	VOC	13,000	< 3.4		< 2.5		< 2.4		< 3.3		< 260		< 230		< 2.6		< 2.3		< 260		< 250		< 260	
123-91-1	1,4-Dioxane	VOC	NA	< 67		< 49		< 48		< 65		< 70		< 54		< 51		< 45		< 49		< 56		< 5200	
78-93-3	2-Butanone	VOC	44,000,000	< 20		< 15		< 14		< 20		< 21		< 16		< 15		< 14		< 15		< 17		< 1600	
108-10-1	4-Methyl-2-Pentanone	VOC	NA	< 17		< 12		< 12		< 16		< 18		< 14		< 13		< 11		< 12		< 14		< 1300	
67-64-1	Acetone	VOC	NA	< 34		5.7		6.1		< 33		< 35		< 27		< 26		< 23		< 25		< 28		< 2600	
107-02-8	Acrolein	VOC	1000	< 17		< 12		< 12		< 16		< 18		< 14		< 13		< 11		< 12		< 14		< 1300	
107-13-1	Acrylonitrile	VOC	3,000	< 6.7		< 4.9		< 4.8		< 6.5		< 7.0		< 5.4		< 5.1		< 4.5		< 4.9		< 5.6		< 520	
71-43-2	Benzene	VOC	5,000	< 3.4		< 2.5		0.56		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
92-87-5	Benzidine	SVOC	700		< 550		< 560		< 560		< 540		< 530		< 550		< 1100		< 550		< 550		< 600		< 560
74-97-5	Bromochloromethane	VOC	NA	< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
75-27-4	Bromodichloromethane	VOC	3,000	< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
75-25-2	Bromoform	VOC	280,000	< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
74-83-9	Bromomethane	VOC	59,000	< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
75-15-0	Carbon Disulfide	VOC	110,000,000	< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
56-23-5	Carbon Tetrachloride	VOC	2000	< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
108-90-7	Chlorobenzene	VOC	7,400,000	< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
124-48-1	Chlorodibromomethane	VOC	8,000	< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
75-00-3	Chloroethane	VOC	1,100,000	< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
67-66-3	Chloroform	VOC	2000	< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		0.55		< 2.5		< 2.8		94	
74-87-3	Chloromethane	VOC	12,000	< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
156-59-2	cis-1,2-Dichloroethene	VOC	560,000	< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
74-95-3	Dibromomethane	VOC	NA																						
75-71-8	Dichlorodifluoromethane	VOC	230,000,000	< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
100-41-4	Ethylbenzene	VOC	110,000,000	< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
98-82-8	Isopropylbenzene	VOC	NA	< 3.4		< 2.5		< 2.4		< 3.3		< 260		< 230		< 2.6		< 2.3		< 260		< 250		< 260	
75-09-2	Methylene Chloride	VOC	97,000	2		0.56		0.52		1		1.4		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		130	
1634-04-4	Methyl Tert-Butyl Ether	VOC	320,000	< 6.7		< 4.9		< 4.8		< 6.5		< 7.0		< 5.4		< 5.1		< 4.5		< 4.9		< 5.6		< 520	
91-20-3	Naphthalene	SVOC	17,000		< 260		220		< 260		< 250		< 250		140		< 500		< 260		< 260		160		< 260
104-51-8	n-Butylbenzene	VOC	NA	< 3.4		< 2.5		< 2.4		< 3.3		< 260		< 230		< 2.6		< 2.3		< 260		< 250		< 260	
103-65-1	n-Propylbenzene	VOC	NA	< 3.4		< 2.5		< 2.4		< 3.3		< 260		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
99-87-6	p-Isoproplytoluene	VOC	NA	< 3.4		< 2.5		< 2.4		< 3.3		< 260		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
135-98-8	sec-Butylbenzene	VOC	NA	< 3.4		< 2.5		< 2.4		< 3.3		< 260		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
100-42-5	Styrene	VOC	260,000	< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
98-06-6	tert-Butylbenzene	VOC	NA	< 3.4		< 2.5		< 2.4		< 3.3		< 260		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
75-65-0	Tertiary Butyl Alcohol	VOC	11,000,000	< 67		< 49		< 48		< 65		< 70		< 54		< 51		< 45		< 49		< 56		< 5200	
127-18-4	Tetrachloroethene	VOC	5,000	< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
108-88-3	Toluene	VOC	91,000,000	< 3.4		< 2.5		< 2.4		< 3.3		0.9		< 2.7		< 2.6		< 2.3		< 2.5		0.52		< 260	
1330-20-7	Total Xylenes	VOC	170,000,000	< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
156-60-5	trans-1,2-Dichloroethene	VOC	720,000	< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
79-01-6	Trichloroethene	VOC	20,000	< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
75-69-4	Trichlorofluoromethane	VOC	340,000,000	< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
108-05-4	Vinyl Acetate	VOC	NA	< 34		< 25		< 24		< 33		< 35		< 27		< 26		< 23		< 25		< 28		< 2600	
75-01-4	Vinyl Chloride	VOC	2,000	< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	

Table 4: Sample Results in Comparison with NJ NRDCSRS
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NJ NRDCSRS	WC 48 2-3	WC 48 COMP	WC 49 1-2	WC 49 COMP	WC 50 2-3	WC 50 COMP	WC 51 2-3	WC 51 COMP	DUP WC 51 2-3	DUP WC 51 COMP	WC 52 2-3 GRAB	WC 52 2-3 COMP	WC 53 6-7 GRAB	WC 53 COMP	WC 54 3-4 GRAB	WC 54 COMP	WC 55 2-3	WC 55 COMP	WC 56 4-5 GRAB	WC 56 COMP	WC 57 2-3	WC 57 COMP
	Lab Sample ID			BH70542	BH70543	BH70560	BH70561	BH70558	BH70559	BH70554	BH70555	BH70556	BH70557	BH67409	BH67410	BH67413	BH67414	BH67415	BH67416	BH68755	BH68756	BH67411	BH67412	BH68753	BH68754
	Date			2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/29/2015	1/29/2015	1/26/2015	1/26/2015	1/29/2015	1/29/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
87-68-3	Hexachlorobutadiene	SVOC	25,000		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
122-66-7	1,2- Diphenylhydrazine	SVOC	2,000		< 360		< 370		< 370		< 360		< 360		< 370		< 710		< 370		< 370		< 400		< 370
120-82-1	1,2,4-Trichlorobenzene	VOC	820,000	< 3.4		< 2.5		< 2.4		< 3.3		< 260		< 230		< 2.6		< 2.3		< 260		< 250		< 260	
95-94-3	1,2,4,5-Tetrachlorobenzene	SVOC	NA		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
58-90-2	2,3,4,6-Tetrachlorophenol	SVOC	NA		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
95-95-4	2,4,5-Trichlorophenol	SVOC	68,000,000		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
88-06-2	2,4,6-Trichlorophenol	SVOC	74,000		< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
102-83-2	2,4-Dichlorophenol	SVOC	2100000		< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
105-67-9	2,4-Dimethylphenol	SVOC	14,000,000		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
51-28-5	2,4-Dinitrophenol	SVOC	1,400,000		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
121-14-2	2,4-Dinitrotoluene	SVOC	3,000		< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
606-20-2	2,6-Dinitrotoluene	SVOC	3,000		< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
91-58-7	2-Chloronaphthalene	SVOC	NA		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
95-57-8	2-Chlorophenol	SVOC	2,200,000		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
91-57-6	2-Methylnaphthalene	SVOC	2,400,000		< 260		140		< 260		< 250		< 250		160		< 500		< 260		< 260		250		< 260
95-48-7	2-Methylphenol	SVOC	3,400,000		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
88-74-4	2-Nitroaniline	SVOC	23,000,000		< 1800		< 1900		< 1900		< 1800		< 1800		< 1800		< 3600		< 1800		< 1800		< 2000		< 1900
88-75-5	2-Nitrophenol	SVOC	NA		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
91-94-1	3,3-Dichlorobenzidine	SVOC	4,000		< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
99-09-2	3-Nitroaniline	SVOC	NA		< 1800		< 1900		< 1900		< 1800		< 1800		< 1800		< 3600		< 1800		< 1800		< 2000		< 1900
534-52-1	4,6-Dinitro-2-methylphenol	SVOC	68,000		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
59-50-7	4-Chloro-3-methylphenol	SVOC	NA		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
106-47-8	4-Chloroaniline	SVOC	NA		< 730		< 740		< 740		< 720		< 710		< 730		< 1400		< 740		< 740		< 790		< 740
100-01-6	4-Nitroaniline	SVOC	NA		< 1800		< 1900		< 1900		< 1800		< 1800		< 1800		< 3600		< 1800		< 1800		< 2000		< 1900
100-02-7	4-Nitrophenol	SVOC	NA		< 1800		< 1900		< 1900		< 1800		< 1800		< 1800		< 3600		< 1800		< 1800		< 2000		< 1900
83-32-9	Acenaphthene	SVOC	37,000,000		180		< 260		120		< 250		< 250		140		< 500		< 260		< 260		< 280		< 260
208-96-8	Acenaphthylene	SVOC	300,000,000		< 150		< 150		< 150		< 140		< 140		170		< 280		< 150		< 150		< 160		< 150
98-86-2	Acetophenone	SVOC	5,000		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
62-53-3	Aniline	SVOC	NA		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330
120-12-7	Anthracene	SVOC	30,000,000		480		< 260		530		< 250		< 250		350		< 500		< 260		< 260		< 280		< 260
1912-24-9	Atrazine	SVOC	2,400,000		< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
100-52-7	Benzaldehyde	SVOC	68,000,000		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
56-55-3	Benzo-a-Anthracene	SVOC	2,000		1200		320		790		< 250		< 250		1500		270		< 260		< 260		240		< 260
50-32-8	Benzo-a-Pyrene	SVOC	200		930		380		800		130		130		1300		270		< 150		< 150		210		< 150
205-99-2	Benzo-b-Fluoranthene	SVOC	2,000		1200		520		1200		220		220		2200		430		130		< 260		340		< 260
207-08-9	Benzo-k-Fluoranthene	SVOC	23,000		440		220		410		< 250		< 250		940		< 500		< 260		< 260		150		< 260
191-24-2	Benzo-g,h,i-Perylene	SVOC	30,000,000		490		300		230		< 250		< 250		390		< 500		< 260		< 260		< 280		< 260
65-85-0	Benzoic Acid	SVOC	NA		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330
100-51-6	Benzyl Alcohol	SVOC	NA		< 360		< 370		< 370		< 360		< 360		< 370		< 710		< 370		< 370		< 400		< 370
111-44-4	Bis(2-Chloroethyl)ether	SVOC	2,000		< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
108-60-1	Bis(2-Chloroisopropyl)ether	SVOC	67,000		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
117-81-7	Bis(2-Ethylhexyl)Phthalate	SVOC	140,000		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
85-68-7	Butylbenzylphthalate	SVOC	14,000,000		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
105-60-2	Caprolactam	SVOC	340,000,000		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
86-74-8	Carbazole	SVOC	96,000		< 1800		< 1900		< 1900		< 1800		< 1800		< 1800		< 3600		< 1800		< 1800		< 2000		< 1900
218-01-9	Chrysene	SVOC	230,000		1200		490		1000		190		170		1700		300		< 260		< 260		270		< 260
75-99-0	Dalapon	SVOC	NA		< 45		< 47		< 47		< 46		< 45		< 46		< 45		< 47		< 46		< 50		< 47
132-64-9	Dibenzofuran	SVOC	NA		< 260		< 260		< 260		< 250		< 250		130		< 500		< 260		< 260		< 280		< 260
53-70-3	Dibenzo-a,h-Anthracene	SVOC	200		120		< 150		< 150		< 140		< 140		120		< 280		< 150		< 150		< 160		< 150
84-66-2	Diethyl Phthalate	SVOC	550,000,000		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
131-11-3	Dimethyl Phthalate	SVOC	NA		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
84-74-2	Di-n-Butyl Phthalate	SVOC	68,000,000		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
117-84-0	Di-n-Octyl Phthalate	SVOC	27,000,000		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
206-44-0	Fluoranthene	SVOC	24,000,000		2600		1200		1600		310		290		2500		370		150		< 260		330		< 260
86-73-7	Fluorene	SVOC	24,000,000		180		150		230		< 250		< 250		150		< 500		< 260		< 260		< 280		< 260
118-74-1	Hexachlorobenzene	SVOC	1,000		< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
77-47-4	Hexachlorocyclopentadiene	SVOC	110,000		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
67-72-1	Hexachloroethane	SVOC	140,000		< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
193-39-5	Indeno(1,2,3-cd)Pyrene	SVOC	2,000		530		260		< 260		< 250		< 250		500		< 500		< 260		< 260		< 280		< 260
78-59-1	Isophorone	SVOC	2,000,000		< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
98-95-3	Nitrobenzene	SVOC	340,000		< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
62-75-9	N-Nitrosodimethylamine	SVOC	700		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
621-64-7	N-Nitroso-di-n-Propylamine	SVOC	300		< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
86-30-6	N-Nitrosodiphenylamine	SVOC	390,000		< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
87-86-5	Pentachlorophenol	SVOC	10,000		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
85-01-8	Phenanthrene	SVOC	300,000,000		2000		1200		2000		300		220		2500		< 280		110		< 150		390		< 150
108-95-2	Phenol	SVOC	210000000		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
129-00-0	Pyrene	SVOC	18,000,000		2100		1000		1100		240		220		2000		320		140		< 260		340		< 260

Table 4: Sample Results in Comparison with NJ NRDCSRS
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	NJ NRDCSRS	WC 48 2-3	WC 48 COMP	WC 49 1-2	WC 49 COMP	WC 50 2-3	WC 50 COMP	WC 51 2-3	WC 51 COMP	DUP WC 51 2-3	DUP WC 51 COMP	WC 52 2-3 GRAB	WC 52 2-3 COMP	WC 53 6-7 GRAB	WC 53 COMP	WC 54 3-4 GRAB	WC 54 COMP	WC 55 2-3	WC 55 COMP	WC 56 4-5 GRAB	WC 56 COMP	WC 57 2-3	WC 57 COMP
	Lab Sample ID			BH70542	BH70543	BH70560	BH70561	BH70558	BH70559	BH70554	BH70555	BH70556	BH70557	BH67409	BH67410	BH67413	BH67414	BH67415	BH67416	BH68755	BH68756	BH67411	BH67412	BH68753	BH68754
	Date			2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/29/2015	1/29/2015	1/26/2015	1/26/2015	1/29/2015	1/29/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
93-76-5	2,4,5-T	HERBICIDE	NA		< 45		< 47		< 47		< 46		< 45		< 46		< 45		< 47		< 46		< 50		< 47
93-72-1	2,4,5-TP Acid	PESTICIDE	NA		< 45		< 47		< 47		< 46		< 45		< 46		< 45		< 47		< 46		< 50		< 47
94-75-7	2,4-D	HERBICIDE	NA		< 45		< 47		< 47		< 46		< 45		< 46		< 45		< 47		< 46		< 50		< 47
72-54-8	4,4-DDD	PESTICIDE	13,000		< 2.1		< 2.2		7.6		< 2.2		< 2.2		< 2.2		< 2.1		< 2.3		< 2.2		< 2.4		< 2.3
72-55-9	4,4-DDE	PESTICIDE	9,000		< 2.1		< 2.2		4		< 2.2		< 2.2		< 2.2		< 2.1		< 2.3		4.5		< 2.4		< 2.3
50-29-3	4,4-DDT	PESTICIDE	8,000		< 2.1		< 2.2		5.7		< 2.2		< 2.2		< 2.2		< 2.1		< 2.3		11		< 2.4		< 2.3
309-00-2	Aldrin	PESTICIDE	200		< 3.6		< 3.7		< 3.8		< 3.6		< 3.6		< 3.7		< 3.6		< 3.8		< 3.6		< 4.0		< 3.8
319-84-6	alpha-BHC	PESTICIDE	500		< 7.1		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
5103-71-9	Alpha Chlordane	PESTICIDE	NA		< 3.6		< 3.7		< 3.8		< 3.6		< 3.6		< 3.7		< 3.6		< 3.8		< 3.6		< 4.0		< 3.8
12674-11-2	Aroclor 1016	PCB	NA		< 71		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
1104-28-2	Aroclor 1221	PCB	NA		< 71		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
11141-16-5	Aroclor 1232	PCB	NA		< 71		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
53469-21-9	Aroclor 1242	PCB	NA		< 71		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
12672-29-6	Aroclor 1248	PCB	NA		< 71		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
11097-69-1	Aroclor 1254	PCB	NA		< 71		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
11096-82-5	Aroclor 1260	PCB	NA		< 71		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
11096-82-5	Aroclor 1262	PCB	NA		< 71		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
37324-23-5	Aroclor 1268	PCB	NA		< 71		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
319-85-7	beta-BHC	PESTICIDE	2000		< 7.1		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
57-74-9	Chlordane	PESTICIDE	1000		< 36		< 37		< 38		< 36		< 36		< 37		< 36		< 38		< 36		< 40		< 38
319-86-8	delta-BHC	PESTICIDE	NA		< 7.1		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
1918-00-9	Dicamba	HERBICIDE	NA		< 91		< 94		< 94		< 91		< 90		< 92		< 89		< 94		< 92		< 99		< 93
60-57-1	Dieldrin	PESTICIDE	200		< 3.6		< 3.7		< 3.8		< 3.6		< 3.6		< 3.7		< 3.6		< 3.8		< 3.6		< 4.0		< 3.8
115-29-7	Endosulfan	PESTICIDE	6,800,000		< 7.1		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
959-98-8	Endosulfan I	PESTICIDE	NA		< 7.1		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
33213-65-9	Endosulfan II	PESTICIDE	NA		< 7.1		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
1031-07-8	Endosulfan Sulfate	PESTICIDE	6,800,000		< 7.1		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
72-20-8	Endrin	PESTICIDE	340,000		< 7.1		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
58-89-9	gamma-BHC	PESTICIDE	2000		< 1.4		< 1.5		< 1.5		< 1.5		< 1.5		< 1.5		< 1.4		< 1.5		< 1.5		< 1.6		< 1.5
5103-74-2	Gamma Chlordane	PESTICIDE	NA		< 3.6		< 3.7		< 3.8		< 3.6		< 3.6		< 3.7		< 3.6		< 3.8		< 3.6		< 4.0		< 3.8
76-44-8	Heptachlor	PESTICIDE	700		< 7.1		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
1024-57-3	Heptachlor Epoxide	PESTICIDE	300		< 7.1		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
72-43-5	Methoxychlor	PESTICIDE	5,700,000		< 36		< 37		< 38		< 36		< 36		< 37		< 36		< 38		< 36		< 40		< 38
56-38-2	Parathion	PESTICIDE	NA		< 5		< 370		< 5		< 5		< 5		< 330		< 330		< 330		< 370		< 330		< 370
1336-36-3	Polychlorinated Biphenyls	PESTICIDE	1000		0		0		0		0		0		0		0		0		0		0		0
8001-35-2	Toxaphene	PESTICIDE	3000		< 140		< 150		< 150		< 150		< 150		< 150		< 140		< 150		< 150		< 160		< 150
	Unit		*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
7429-90-5	Aluminum, Al	METAL	NA		7110		8340		3250		1380		1330		3190		3180		2110		1360		1830		1990
7440-36-0	Antimony, Sb	METAL	450		< 3.4		< 3.5		< 3.5		< 3.5		< 3.4		< 3.8		< 3.8		< 3.7		< 3.7		< 4.2		< 3.9
7440-38-2	Arsenic, As	METAL	19*		4.8		4.2		3.5		1.3		2.4		3.5		3.2		2.1		1		4.6		1
7440-39-3	Barium, Ba	METAL	59,000		154		58.4		53.4		606		780		284		71.1		40.8		11.3		147		19.9
7440-41-7	Beryllium, Be	METAL	140		0.43		0.5		< 0.28		< 0.28		< 0.27		< 0.31		< 0.31		< 0.30		< 0.29		< 0.34		< 0.31
7440-43-9	Cadmium, Cd	METAL	78		< 0.34		< 0.35		< 0.35		< 0.35		0.52		< 0.38		< 0.38		0.37		< 0.37		1.16		< 0.39
7440-47-3	Chromium, Cr	METAL	NA		15.9		20.9		15.6		7.87		7.22		18.6		14		6.77		4.66		9.58		5.44
18540-29-9	Chromium, hexavalent	METAL	20		< 0.46		< 0.44		< 0.45		0.56		0.81		2.21		< 0.43		< 0.45		< 0.44		< 0.46		< 0.45
16065-83-1	Chromium, trivalent	METAL	NA		15.9		20.9		15.6		7.31		6.41		16.4		14		6.77		4.66		9.58		5.44
7440-48-4	Cobalt, Co	METAL	590		9.25		7.53		4.02		1.36		1.61		3.46		3.31		2.17		1.27		2.71		2.91
7440-50-8	Copper, Cu	METAL	45000		24.4		20.6		21.2		7.54		11.1		22.2		32.6		17.9		4.06		27.1		7.35
57-12-5	Cyanide	METAL	23,000		< 0.55		< 0.57		< 0.52		< 0.46		< 0.50		1.42		< 0.49		< 0.57		< 0.51		4.6		< 0.52
7439-89-6	Iron, Fe	METAL	NA		16200		14200		9190		3060		4790		8670		6280		10400		2720		20200		3660
7439-92-1	Lead, Pb	METAL	800		53.4		72.4		162		306		566		370		161		91.6		35.7		373		16.2
7439-96-5	Manganese, Mn	METAL	5,900		223		212		151		44.5		77.6		124		102		94.8		34.8		169		66.1
7439-97-6	Mercury, Hg	METAL	65		0.07		0.08		0.11		0.04		0.09		0.18		0.22		0.85		< 0.03		0.25		0.05
7440-02-0	Nickel, Ni	METAL	23,000		58.7		35		21.1		3.71		4.19		10.1		9.04		8.46		4.28		8.5		6.22
7782-49-2	Selenium, Se	METAL	5,700		< 1.4		< 1.4		< 1.4		< 1.4		< 1.4		< 1.5		< 1.5		< 1.5		< 1.5		< 1.7		< 1.6
7440-22-4	Silver, Ag	METAL	5,700		< 0.34		< 0.35		< 0.35		< 0.35		< 0.34		< 0.38		< 0.38		< 0.37		< 0.37		< 0.42		< 0.39
7440-28-0	Thallium, Ti	METAL	79		< 3.1		< 3.1		< 3.2		< 3.1		< 3.1		< 3.5		< 3.4		< 3.4		< 3.3		< 3.8		< 3.5
7440-62-2	Vanadium, V	METAL	1,100		21.6		26.8		26.3		4.93		4.7		11.8		14.2		6.5		5.22		6.04		7.68
7440-66-6	Zinc, Zn	METAL	110,000		69.2		61.5		114		406		601		277		160		103		28.3		434		30.8
	pH	pH	NA		8.62		7.69		8.55		9.64		8.65		8.52		9.51		8.97		10.54		8.45		11.44
	TPH	TPH	NA		< 54		< 56		850		< 53		< 54		< 55		< 53		< 56		< 54		< 59		< 56

Notes: Shaded values indicate an exceedance of NJ NRDCSRS.

Notes
ug/kg = micrograms per kilogram (ppb)
mg/kg = milligrams per kilogram (ppm)
ug/L = micrograms per liter
mg/L = milligrams per liter

Table 5: Sample Results in Comparison with PADEP Clean Fill Standard
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	PA Clean Fill Standards	WC 1 1-2	WC 1 COMP	WC 2 2-3	WC 2 COMP	WC 3 3-4	WC 3 COMP	WC 4 1-2	WC 4 COMP	WC 5 1-2	WC 5 COMP	WC 6 1-2	WC 6 COMP	DUP WC6 1-2	DUP WC6 COMP	WC 7 1-2	WC 7 COMP	WC 8 1-2	WC 8 COMP	WC 9 2-3	WC 9 COMP	WC 10 1-2	WC 10 COMP	WC 11 2-3
	Lab Sample ID			BH68767	BH68768	BH69277	BH69278	BH69279	BH69280	BH69281	BH69282	BH69283	BH69284	BH70944	BH70945	BH70936	BH70937	BH70946	BH70947	BH68769	BH68770	BH69285	BH69286	BH69287	BH69288	BH69295
	Date			1/29/2015	1/29/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	2/3/2015	2/3/2015	2/5/2015	2/5/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
630-20-6	1,1,1,2-Tetrachloroethane	VOC	18,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
71-55-6	1,1,1-Trichloroethane	VOC	7,200	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
79-34-5	1,1,2,2-Tetrachloroethane	VOC	9.3	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
79-00-5	1,1,2-Trichloroethane	VOC	150	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
92-52-4	1-1- Biphenyl	SVOC	790,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
75-34-3	1,1-Dichloroethane	VOC	650	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
75-35-4	1,1-Dichloroethene	VOC	190	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
95-63-6	1,2,4-Trimethylbenzene	VOC	9,000	< 5.0		< 4.6		< 4.6		< 5.4		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
96-12-8	1,2-Dibromo-3-Chloropropane	VOC	9.2	< 5.0		< 4.6		< 4.6		< 280		< 280		< 3.6		< 3.3		< 2.5		< 2.5		< 250		< 4.1		< 4.7
106-93-4	1,2-Dibromoethane	VOC	1.2	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
95-50-1	1,2-Dichlorobenzene	VOC	59,000	< 5.0		< 4.6		< 4.6		< 280		< 280		< 3.6		< 3.3		< 2.5		< 2.5		< 250		< 4.1		< 4.7
107-06-2	1,2-Dichloroethane	VOC	100	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
78-87-5	1,2-Dichloropropane	VOC	110	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
108-67-8	1,3,5-Trimethylbenzene	VOC	2,800	< 5.0		< 4.6		< 4.6		< 5.4		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
541-73-1	1,3-Dichlorobenzene	VOC	61,000	< 5.0		< 4.6		< 4.6		< 280		< 280		< 3.6		< 3.3		< 2.5		< 2.5		< 250		< 4.1		< 4.7
106-46-7	1,4-Dichlorobenzene	VOC	10,000	< 5.0		< 4.6		< 4.6		< 280		< 280		< 3.6		< 3.3		< 2.5		< 2.5		< 250		< 4.1		< 4.7
123-91-1	1,4-Dioxane	VOC	73	< 100		< 92		< 92		< 100		< 130		< 72		< 65		< 49		< 50		< 74		< 81		< 94
78-93-3	2-Butanone	VOC	54,000	5.1		6.3		< 28		< 30		< 39		4.2		< 20		< 15		< 15		< 22		< 24		< 28
108-10-1	4-Methyl-2-Pentanone	VOC	2900	< 25		< 23		< 23		< 25		< 32		< 18		< 16		< 12		< 13		< 19		< 20		< 24
67-64-1	Acetone	VOC	41,000	18		22		< 46		< 50		< 65		16		10		2.9		< 25		< 37		< 41		< 47
107-02-8	Acrolein	VOC	0.62	< 25		< 23		< 23		< 25		< 32		< 18		< 16		< 12		< 13		< 19		< 20		< 24
107-13-1	Acrylonitrile	VOC	8.7	< 10		< 9.2		< 9.2		< 10		< 13		< 7.2		< 6.5		< 4.9		< 5.0		< 7.4		< 8.1		< 9.4
71-43-2	Benzene	VOC	130	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
92-87-5	Benzidine	SVOC	NA		< 570		< 570		< 520		< 530		< 520		< 530		< 530		< 530		< 550		< 570		< 550	
74-97-5	Bromochloromethane	VOC	1,600	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
75-27-4	Bromodichloromethane	VOC	3,400	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
75-25-2	Bromoform	VOC	4,400	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
74-83-9	Bromomethane	VOC	540	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
75-15-0	Carbon Disulfide	VOC	160,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		1.8		0.71		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
56-23-5	Carbon Tetrachloride	VOC	260	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
108-90-7	Chlorobenzene	VOC	6,100	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		0.82		< 2.5		< 3.7		< 4.1		< 4.7
124-48-1	Chlorodibromomethane	VOC	3,200	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
75-00-3	Chloroethane	VOC	5,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
67-66-3	Chloroform	VOC	2,500	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
74-87-3	Chloromethane	VOC	38	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
156-59-2	cis-1,2-Dichloroethene	VOC	1,600	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
74-95-3	Dibromomethane	VOC	3,700																							
75-71-8	Dichlorodifluoromethane	VOC	100,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
100-41-4	Ethylbenzene	VOC	46,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
98-82-8	Isopropylbenzene	VOC	780,000	< 5.0		< 4.6		< 4.6		< 280		< 280		< 3.6		< 3.3		< 2.5		< 2.5		< 250		< 4.1		< 4.7
75-09-2	Methylene Chloride	VOC	76	0.91		1.5		1.8		1.7		1.1		0.99		0.9		1.1		0.65		< 3.7		0.98		2
1634-04-4	Methyl Tert-Butyl Ether	VOC	280	< 10		< 9.2		< 9.2		< 10		< 13		< 7.2		< 6.5		< 4.9		< 5.0		< 7.4		< 8.1		< 9.4
91-20-3	Naphthalene	SVOC	25,000		< 260		< 270		< 240		< 250		110		< 250		< 250		< 250		< 260		< 270		< 260	
104-51-8	n-Butylbenzene	VOC	950,000	< 5.0		< 4.6		< 4.6		< 5.4		< 280		< 3.6		< 3.3		< 2.5		< 2.5		< 250		< 4.1		< 4.7
103-65-1	n-Propylbenzene	VOC	290,000	< 5.0		< 4.6		< 4.6		< 5.4		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
99-87-6	p-Isoproplytoluene	VOC	NA	< 5.0		< 4.6		< 4.6		< 5.4		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
135-98-8	sec-Butylbenzene	VOC	350,000	< 5.0		< 4.6		< 4.6		< 5.4		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
100-42-5	Styrene	VOC	24,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
98-06-6	tert-Butylbenzene	VOC	270,000	< 5.0		< 4.6		< 4.6		< 5.4		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
75-65-0	Tertiary Butyl Alcohol	VOC	NA	< 100		< 92		< 92		< 100		< 130		< 72		< 65		< 49		< 50		< 74		< 81		< 94
127-18-4	Tetrachloroethene	VOC	430	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
108-88-3	Toluene	VOC	44,000	< 5.0		< 4.6		< 4.6		0.9		68		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
1330-20-7	Total Xylenes	VOC	990,000	< 5.0		< 4.6		< 4.6		< 5.0		< 280		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
156-60-5	trans-1,2-Dichloroethene	VOC	2,300	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
79-01-6	Trichloroethene	VOC	170	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
75-69-4	Trichlorofluoromethane	VOC	87,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7
108-05-4	Vinyl Acetate	VOC	6,500	< 50		< 46		< 46		< 50		< 65		< 36		< 33		< 25		< 25		< 37		< 41		< 47
75-01-4	Vinyl Chloride	VOC	30	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1		< 4.7

Table 5: Sample Results in Comparison with PADEP Clean Fill Standard
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	PA Clean Fill Standards	WC 1 1-2	WC 1 COMP	WC 2 2-3	WC 2 COMP	WC 3 3-4	WC 3 COMP	WC 4 1-2	WC 4 COMP	WC 5 1-2	WC 5 COMP	WC 6 1-2	WC 6 COMP	DUP WC6 1-2	DUP WC6 COMP	WC 7 1-2	WC 7 COMP	WC 8 1-2	WC 8 COMP	WC 9 2-3	WC 9 COMP	WC 10 1-2	WC 10 COMP	WC 11 2-3
	Lab Sample ID			BH68767	BH68768	BH69277	BH69278	BH69279	BH69280	BH69281	BH69282	BH69283	BH69284	BH70944	BH70945	BH70936	BH70937	BH70946	BH70947	BH68769	BH68770	BH69285	BH69286	BH69287	BH69288	BH69295
	Date			1/29/2015	1/29/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	2/3/2015	2/3/2015	2/5/2015	2/5/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015
	Unit			*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
87-68-3	Hexachlorobutadiene	SVOC	1,200		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
122-66-7	1,2- Diphenylhydrazine	SVOC	150		< 380		< 380		< 340		< 360		< 350		< 350		< 350		< 360		< 370		< 380		< 370	
120-82-1	1,2,4-Trichlorobenzene	VOC	27,000	< 5.0		< 4.6		< 4.6		< 280		< 280		< 3.6		< 3.3		< 2.5		< 2.5		< 250		< 4.1		< 4.7
95-94-3	1,2,4,5-Tetrachlorobenzene	SVOC	5,100		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
58-90-2	2,3,4,6-Tetrachlorophenol	SVOC	450,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
95-95-4	2,4,5-Trichlorophenol	SVOC	2,300,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
88-06-2	2,4,6-Trichlorophenol	SVOC	3,100		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150	
102-83-2	2,4-Dichlorophenol	SVOC	1,000		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150	
105-67-9	2,4-Dimethylphenol	SVOC	32,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
51-28-5	2,4-Dinitrophenol	SVOC	210		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
121-14-2	2,4-Dinitrotoluene	SVOC	50		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150	
606-20-2	2,6-Dinitrotoluene	SVOC	1,100		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150	
91-58-7	2-Chloronaphthalene	SVOC	6,200,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
95-57-8	2-Chlorophenol	SVOC	4,400		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
91-57-6	2-Methylnaphthalene	SVOC	2,900,000		< 260		250		< 240		< 250		110		130		180		< 250		< 260		< 270		< 260	
95-48-7	2-Methylphenol	SVOC	64,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
88-74-4	2-Nitroaniline	SVOC	38		< 1900		< 1900		< 1700		< 1800		< 1700		< 1800		< 1800		< 1800		< 1800		< 1900		< 1800	
88-75-5	2-Nitrophenol	SVOC	5,900		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
91-94-1	3,3-Dichlorobenzidine	SVOC	8,300		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150	
99-09-2	3-Nitroaniline	SVOC	33		< 1900		< 1900		< 1700		< 1800		< 1700		< 1800		< 1800		< 1800		< 1800		< 1900		< 1800	
534-52-1	4,6-Dinitro-2-methylphenol	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
59-50-7	4-Chloro-3-methylphenol	SVOC	37,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
106-47-8	4-Chloroaniline	SVOC	19,000		< 750		< 760		< 690		< 710		< 690		< 710		< 700		< 710		< 730		< 760		< 730	
100-01-6	4-Nitroaniline	SVOC	31		< 1900		< 1900		< 1700		< 1800		< 1700		< 1800		< 1800		< 1800		< 1800		< 1900		< 1800	
100-02-7	4-Nitrophenol	SVOC	4,100		< 1900		< 1900		< 1700		< 1800		< 1700		< 1800		< 1800		< 1800		< 1800		< 1900		< 1800	
83-32-9	Acenaphthene	SVOC	2,700,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		170		< 270		< 260	
208-96-8	Acenaphthylene	SVOC	2,500,000		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		140		< 150		< 150	
98-86-2	Acetophenone	SVOC	200,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
62-53-3	Aniline	SVOC	160		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330	
120-12-7	Anthracene	SVOC	350,000		< 260		< 270		< 240		< 250		320		< 250		< 250		< 250		430		< 270		< 260	
1912-24-9	Atrazine	SVOC	130		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150	
100-52-7	Benzaldehyde	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
56-55-3	Benzo-a-Anthracene	SVOC	25,000		< 260		< 270		< 240		190		550		210		240		< 250		1200		< 270		220	
50-32-8	Benzo-a-Pyrene	SVOC	2,500		< 150		< 150		< 140		200		570		220		250		< 140		1100		< 150		250	
205-99-2	Benzo-b-Fluoranthene	SVOC	25,000		< 260		180		< 240		280		790		330		360		170		1500		150		330	
207-08-9	Benzo-k-Fluoranthene	SVOC	250,000		< 260		< 270		< 240		< 250		250		120		130		< 250		560		< 270		< 260	
191-24-2	Benzo-g,h,i-Perylene	SVOC	180,000		< 260		< 270		< 240		130		320		< 250		< 250		< 250		690		< 270		140	
65-85-0	Benzoic Acid	SVOC	2,900,000		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330	
100-51-6	Benzyl Alcohol	SVOC	400,000		< 380		< 380		< 340		< 360		< 350		< 350		< 350		< 360		< 370		< 380		< 370	
111-44-4	Bis(2-Chloroethyl)ether	SVOC	3.9		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150	
108-60-1	Bis(2-Chloroisopropyl)ether	SVOC	8,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
117-81-7	Bis(2-Ethylhexyl)Phthalate	SVOC	130,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
85-68-7	Butylbenzylphthalate	SVOC	10,000,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
105-60-2	Caprolactam	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
86-74-8	Carbazole	SVOC	21,000		< 1900		< 1900		< 1700		< 1800		< 1700		< 1800		< 1800		< 1800		< 1800		< 1900		< 1800	
218-01-9	Chrysene	SVOC	230,000		< 260		< 270		< 240		240		550		230		260		< 250		1200		< 270		240	
75-99-0	Dalapon	SVOC	5,300		< 47		< 48		< 44		< 44		< 44		< 45		< 45		< 44		< 46		< 48		< 47	
132-64-9	Dibenzofuran	SVOC	NA		< 260		< 270		< 240		< 250		110		< 250		< 250		< 250		140		< 270		< 260	
53-70-3	Dibenzo-a,h-Anthracene	SVOC	2,500		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		170		< 150		< 150	
84-66-2	Diethyl Phthalate	SVOC	160,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
131-11-3	Dimethyl Phthalate	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
84-74-2	Di-n-Butyl Phthalate	SVOC	1,500,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
117-84-0	Di-n-Octyl Phthalate	SVOC	4,400,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
206-44-0	Fluoranthene	SVOC	3,200,000		< 260		220		< 240		520		1500		330		360		200		1700		260		550	
86-73-7	Fluorene	SVOC	3,000,000		< 260		< 270		< 240		< 250		140		< 250		< 250		< 250		190		< 270		< 260	
118-74-1	Hexachlorobenzene	SVOC	960		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150	
77-47-4	Hexachlorocyclopentadiene	SVOC	91,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
67-72-1	Hexachloroethane	SVOC	560		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150	
193-39-5	Indeno(1,2,3-cd)Pyrene	SVOC	25,000		< 260		< 270		< 240		120		310		< 250		< 250		< 250		750		< 270		140	
78-59-1	Isophorone	SVOC	1,900		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150	
98-95-3	Nitrobenzene	SVOC	790		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150	
62-75-9	N-Nitrosodimethylamine	SVOC	0.41		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
621-64-7	N-Nitroso-di-n-Propylamine	SVOC	1.3		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150	
86-30-6	N-Nitrosodiphenylamine	SVOC	20,000		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150	
87-86-5	Pentachlorophenol	SVOC	5,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
85-01-8	Phenanthrene	SVOC	10,000,000		< 150		130		< 140		470		1200		260		310		130		2000		200		320	
108-95-2	Phenol	SVOC	66,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260	
129-00-0	Pyrene	SVOC	2,200,000		< 260		220		< 240		490		1300		330		350		160		1400		210		490	

Table 5: Sample Results in Comparison with PADEP Clean Fill Standard
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	PA Clean Fill Standards	WC 1 1-2	WC 1 COMP	WC 2 2-3	WC 2 COMP	WC 3 3-4	WC 3 COMP	WC 4 1-2	WC 4 COMP	WC 5 1-2	WC 5 COMP	WC 6 1-2	WC 6 COMP	DUP WC6 1-2	DUP WC6 COMP	WC 7 1-2	WC 7 COMP	WC 8 1-2	WC 8 COMP	WC 9 2-3	WC 9 COMP	WC 10 1-2	WC 10 COMP	WC 11 2-3
	Lab Sample ID			BH68767	BH68768	BH69277	BH69278	BH69279	BH69280	BH69281	BH69282	BH69283	BH69284	BH70944	BH70945	BH70936	BH70937	BH70946	BH70947	BH68769	BH68770	BH69285	BH69286	BH69287	BH69288	BH69295
	Date			1/29/2015	1/29/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	2/3/2015	2/3/2015	2/5/2015	2/5/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
93-76-5	2,4,5-T	HERBICIDE	1,500		< 47		< 48		< 44		< 44		< 44		< 45		< 45		< 44		< 46		< 48		< 47	
93-72-1	2,4,5-TP Acid	PESTICIDE	22,000		< 47		< 48		< 44		< 44		< 44		< 45		< 45		< 44		< 46		< 48		< 47	
94-75-7	2,4-D	HERBICIDE	18,000		< 47		< 48		< 44		< 44		< 44		< 45		< 45		< 44		< 46		< 48		< 47	
72-54-8	4,4-DDD	PESTICIDE	6,800		< 2.3		< 2.2		< 2.1		2.6		< 2.1		< 2.1		< 2.1		< 2.1		< 2.2		< 2.3		< 2.2	
72-55-9	4,4-DDE	PESTICIDE	41,000		< 2.3		< 2.2		< 2.1		2.3		< 2.1		< 2.1		< 2.1		< 2.1		< 2.2		< 2.3		< 2.2	
50-29-3	4,4-DDT	PESTICIDE	53,000		< 2.3		< 2.2		< 2.1		< 2.1		< 2.1		< 2.1		< 2.1		< 2.1		< 2.2		< 2.3		< 2.2	
309-00-2	Aldrin	PESTICIDE	100		< 3.8		< 3.7		< 3.5		< 3.5		< 3.4		< 3.5		< 3.6		< 3.5		< 3.6		< 3.8		< 3.7	
319-84-6	alpha-BHC	PESTICIDE	46		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4	
5103-71-9	Alpha Chlordane	PESTICIDE	NA		< 3.8		< 3.7		< 3.5		< 3.5		< 3.4		11		7.2		< 3.5		< 3.6		< 3.8		< 3.7	
12674-11-2	Aroclor 1016	PCB	15,000		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74	
1104-28-2	Aroclor 1221	PCB	630		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74	
11141-16-5	Aroclor 1232	PCB	500		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74	
53469-21-9	Aroclor 1242	PCB	16,000		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74	
12672-29-6	Aroclor 1248	PCB	9,900		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74	
11097-69-1	Aroclor 1254	PCB	4,400		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74	
11096-82-5	Aroclor 1260	PCB	30,000		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74	
11096-82-5	Aroclor 1262	PCB	NA		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74	
37324-23-5	Aroclor 1268	PCB	NA		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74	
319-85-7	beta-BHC	PESTICIDE	220		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4	
57-74-9	Chlordane	PESTICIDE	49,000		< 38		< 37		< 35		< 35		< 34		65		41		< 35		< 36		< 38		< 37	
319-86-8	delta-BHC	PESTICIDE	11,000		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4	
1918-00-9	Dicamba	HERBICIDE	NA		< 94		< 95		< 88		< 89		< 88		< 90		< 90		< 88		< 91		< 96		< 93	
60-57-1	Dieldrin	PESTICIDE	110		< 3.8		< 3.7		< 3.5		< 3.5		< 3.4		< 3.5		< 3.6		< 3.5		< 3.6		< 3.8		< 3.7	
115-29-7	Endosulfan	PESTICIDE	30,000		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4	
959-98-8	Endosulfan I	PESTICIDE	110,000		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4	
33213-65-9	Endosulfan II	PESTICIDE	130,000		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4	
1031-07-8	Endosulfan Sulfate	PESTICIDE	70,000		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4	
72-20-8	Endrin	PESTICIDE	5,500		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4	
58-89-9	gamma-BHC	PESTICIDE	72		< 1.5		< 1.5		< 1.4		< 1.4		< 1.4		< 1.4		< 1.4		< 1.4		< 1.5		< 1.5		< 1.5	
5103-74-2	Gamma Chlordane	PESTICIDE	NA		< 3.8		< 3.7		< 3.5		< 3.5		< 3.4		8.2		8.6		< 3.5		< 3.6		< 3.8		< 3.7	
76-44-8	Heptachlor	PESTICIDE	680		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4	
1024-57-3	Heptachlor Epoxide	PESTICIDE	1,100		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4	
72-43-5	Methoxychlor	PESTICIDE	630,000		< 38		< 37		< 35		< 35		< 34		< 35		< 36		< 35		< 36		< 38		< 37	
56-38-2	Parathion	PESTICIDE	130,000		< 380		< 380		< 340		< 360		< 350		< 350		< 350		< 360		< 370		< 380		< 370	
1336-36-3	Polychlorinated Biphenyls	PESTICIDE	NA		0		0		0		0		0		0		0		0		0		0		0	
8001-35-2	Toxaphene	PESTICIDE	1,200		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150	
	Unit		*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
7429-90-5	Aluminum, Al	METAL	NA		8200		8920		1260		4320		3050		6220		7100		5460		3970		9200		8460	
7440-36-0	Antimony, Sb	METAL	27		< 3.9		6.9		< 3.5		< 3.6		< 3.3		< 3.7		< 3.6		< 3.4		< 3.5		< 3.4		< 3.5	
7440-38-2	Arsenic, As	METAL	20		3.3		6.9		0.9		6.4		4.6		3.4		4.5		1.9		3.4		7		5.5	
7440-39-3	Barium, Ba	METAL	8,200		34.4		233		5.63		105		54		67.6		59.5		37.1		112		173		42.9	
7440-41-7	Beryllium, Be	METAL	320		0.42		0.56		< 0.28		0.43		0.36		0.81		0.55		0.39		< 0.28		0.5		0.46	
7440-43-9	Cadmium, Cd	METAL	38		< 0.39		1.1		< 0.35		0.42		< 0.33		< 0.37		< 0.36		< 0.34		< 0.35		< 0.34		< 0.35	
7440-47-3	Chromium, Cr	METAL	NA		10.8		14.2		4.24		12.3		9.22		20.1		17.3		35.2		12.4		18.6		14.4	
18540-29-9	Chromium, hexavalent	METAL	94		< 0.44		< 0.46		< 0.44		< 0.41		< 0.43		< 0.42		< 0.43		< 0.43		< 0.44		0.56		< 0.45	
16065-83-1	Chromium, trivalent	METAL	190,000		10.8		14.2		4.24		12.3		9.22		20.1		17.3		35.2		12.4		18		14.4	
7440-48-4	Cobalt, Co	METAL	8.1		4.11		5.87		1.09		3.51		5.87		10.4		6.97		10.3		4.67		7.06		5.02	
7440-50-8	Copper, Cu	METAL	8,200		9.74		28.1		1.79		21.5		23.7		96.3		32.4		54.9		72.1		29.2		15.5	
57-12-5	Cyanide	METAL	200		< 0.57		< 0.57		< 0.53		< 0.54		< 0.53		< 0.54		< 0.54		< 0.54		0.65		< 0.53		< 0.51	
7439-89-6	Iron, Fe	METAL	NA		10700		15400		2610		11800		6870		13300		12800		19300		9300		15100		13400	
7439-92-1	Lead, Pb	METAL	450		106		2370		4.87		259		110		189		129		33		189		232		83.1	
7439-96-5	Manganese, Mn	METAL	31,000		154		153		23.3		366		158		193		185		206		226		193		89.2	
7439-97-6	Mercury, Hg	METAL	10		0.15		0.25		< 0.03		0.08		0.07		0.13		0.14		0.04		0.15		0.08		0.13	
7440-02-0	Nickel, Ni	METAL	650		11.4		13.8		4.14		11.7		17.7		72.4		26		21.5		16.2		24.5		12.6	
7782-49-2	Selenium, Se	METAL	26		< 1.6		< 1.4		< 1.4		< 1.5		< 1.3		< 1.5		< 1.4		< 1.4		< 1.4		< 1.4		< 1.4	
7440-22-4	Silver, Ag	METAL	84		< 0.39		< 0.35		< 0.35		< 0.36		< 0.33		< 0.37		< 0.36		< 0.34		< 0.35		< 0.34		< 0.35	
7440-28-0	Thallium, Ti	METAL	14		< 3.5		< 3.1		< 3.1		< 3.3		< 3.0		< 3.4		< 3.2		< 3.1		< 3.2		< 3.1		< 3.1	
7440-62-2	Vanadium, V	METAL	1,500		16.5		19.6		4.16		17.4		12.3		21.6		21		40.5		14		23.2		21.9	
7440-66-6	Zinc, Zn	METAL	12,000		37.8		558		14.9		172		78.9		307		97.3		34		226		188		59.2	
	pH	pH	NA		7.71		8.08		9.52		9.21		9.18		9.88		9.81		11.11		8.59		9.84		8.76	
	TPH	TPH	NA		< 56		< 57		< 53		< 54		< 53		<54		<54		<52		< 54		< 57		< 56	

Notes: Shaded values indicate an exceedance of PA Clean Fill Standard.

Notes
ug/kg = micrograms per kilogram (ppb)
mg/kg = milligrams per kilogram (ppm)
ug/L = micrograms per liter
mg/L = milligrams per liter

Table 5: Sample Results in Comparison with PADEP Clean Fill Standard
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	PA Clean Fill Standards	WC 11 COMP	WC 12 1-2	WC 12 COMP	WC 13 1-2	WC 13 COMP	DUP WC 13 1-2	DUP WC 13 COMP	WC 14 2-3	WC 14 COMP	WC 15 2-3	WC 15 COMP	WC 16 1-2	WC 16 COMP	WC 17 1-2	WC 17 COMP	WC 18 1-2	WC 18 COMP	WC 19 1-2	WC 19 COMP	WC 20 1-2	WC 20 COMP	DUP WC 20 1-2	DUP WC 20 COMP	WC 21 4-5	WC 21 COMP	WC 22 1-2	WC 22 COMP
	Lab Sample ID			BH69296	BH69291	BH69292	BH70562	BH70563	BH70564	BH70565	BH69820	BH69821	BH69818	BH69819	BH69816	BH69817	BH69814	BH69815	BH69812	BH69813	BH69800	BH69801	BH69802	BH69803	BH69804	BH69805	BH69293	BH69294	BH70938	BH70939
	Date			1/30/2015	1/30/2015	1/30/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/30/2015	1/30/2015	1/29/2015	1/29/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
630-20-6	1,1,1,2-Tetrachloroethane	VOC	18,000		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
71-55-6	1,1,1-Trichloroethane	VOC	7,200		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
79-34-5	1,1,2,2-Tetrachloroethane	VOC	9.3		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
79-00-5	1,1,2-Trichloroethane	VOC	150		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
92-52-4	1-1- Biphenyl	SVOC	790,000	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
75-34-3	1,1-Dichloroethane	VOC	650		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
75-35-4	1,1-Dichloroethene	VOC	190		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
95-63-6	1,2,4-Trimethylbenzene	VOC	9,000		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5		< 2.5	
96-12-8	1,2-Dibromo-3-Chloropropane	VOC	9.2		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 80		< 5.0		< 80		< 6.0		< 5.4		< 5.5		< 2.5	
106-93-4	1,2-Dibromoethane	VOC	1.2		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
95-50-1	1,2-Dichlorobenzene	VOC	59,000		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5		< 2.5	
107-06-2	1,2-Dichloroethane	VOC	100		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
78-87-5	1,2-Dichloropropane	VOC	110		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
108-67-8	1,3,5-Trimethylbenzene	VOC	2,800		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5		< 2.5	
541-73-1	1,3-Dichlorobenzene	VOC	61,000		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5		< 2.5	
106-46-7	1,4-Dichlorobenzene	VOC	10,000		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5		< 2.5	
123-91-1	1,4-Dioxane	VOC	73		< 77		< 48		< 92		< 100		< 100		< 97		< 100		< 100		< 98		< 100		< 100		< 100		< 50	
78-93-3	2-Butanone	VOC	54,000		< 23		< 14		< 28		< 32		12		< 29		< 31		< 30		< 29		< 36		< 32		< 33		< 15	
108-10-1	4-Methyl-2-Pentanone	VOC	2900		< 19		< 12		< 23		< 27		< 27		< 24		< 26		< 25		< 25		< 30		< 27		< 27		< 13	
67-64-1	Acetone	VOC	41,000		< 39		< 24		< 46		20		47		< 49		< 50		< 50		< 49		< 50		< 50		< 55		< 25	
107-02-8	Acrolein	VOC	0.62		< 19		< 12		< 23		< 27		< 27		< 24		< 26		< 25		< 25		< 30		< 27		< 27		< 13	
107-13-1	Acrylonitrile	VOC	8.7		< 7.7		< 4.8		< 9.2		< 11		< 11		< 9.7		< 10		< 10		< 9.8		< 12		< 11		< 11		< 5.0	
71-43-2	Benzene	VOC	130		< 3.9		< 2.4		< 4.6		< 5.4		3.4		< 4.9		< 5.1		< 5.0		1.3		< 6.0		< 5.4		< 5.5		< 2.5	
92-87-5	Benzidine	SVOC	NA	< 540		< 540		< 550		< 500		< 540		< 560		< 550		< 520		< 570		< 590		< 540		< 540		< 530		< 530
74-97-5	Bromochloromethane	VOC	1,600		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
75-27-4	Bromodichloromethane	VOC	3,400		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
75-25-2	Bromoform	VOC	4,400		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
74-83-9	Bromomethane	VOC	540		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
75-15-0	Carbon Disulfide	VOC	160,000		< 3.9		< 2.4		< 4.6		2.9		4.4		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
56-23-5	Carbon Tetrachloride	VOC	260		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
108-90-7	Chlorobenzene	VOC	6,100		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		0.82		< 5.5		< 2.5	
124-48-1	Chlorodibromomethane	VOC	3,200		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
75-00-3	Chloroethane	VOC	5,000		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
67-66-3	Chloroform	VOC	2,500		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		0.91		1.5		1		< 5.5		< 2.5	
74-87-3	Chloromethane	VOC	38		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
156-59-2	cis-1,2-Dichloroethene	VOC	1,600		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
74-95-3	Dibromomethane	VOC	3,700																											
75-71-8	Dichlorodifluoromethane	VOC	100,000		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
100-41-4	Ethylbenzene	VOC	46,000		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
98-82-8	Isopropylbenzene	VOC	780,000		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5		< 2.5	
75-09-2	Methylene Chloride	VOC	76		1.5		0.54		1.6		1.7		2		< 4.9		1.5		1.2		1.5		3.1		2.9		1.9		0.55	
1634-04-4	Methyl Tert-Butyl Ether	VOC	280		< 7.7		< 4.8		< 9.2		< 11		< 11		< 9.7		< 10		< 10		< 9.8		< 12		< 11		< 11		< 5.0	
91-20-3	Naphthalene	SVOC	25,000	< 250		< 250		< 250		< 240		250		550		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
104-51-8	n-Butylbenzene	VOC	950,000		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5		< 2.5	
103-65-1	n-Propylbenzene	VOC	290,000		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5		< 2.5	
99-87-6	p-Isoproplytoluene	VOC	NA		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5		< 2.5	
135-98-8	sec-Butylbenzene	VOC	350,000		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5		< 2.5	
100-42-5	Styrene	VOC	24,000		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
98-06-6	tert-Butylbenzene	VOC	270,000		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5		< 2.5	
75-65-0	Tertiary Butyl Alcohol	VOC	NA		< 77		< 48		< 92		< 110		< 110		< 97		< 100		< 100		< 98		< 120		< 110		< 110		< 50	
127-18-4	Tetrachloroethene	VOC	430		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
108-88-3	Toluene	VOC	44,000		< 3.9		< 2.4		< 4.6		< 5.4		6.2		< 4.9		78		0.86		0.84		< 6.0		< 5.4		< 5.5		< 2.5	
1330-20-7	Total Xylenes	VOC	990,000		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
156-60-5	trans-1,2-Dichloroethene	VOC	2,300		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
79-01-6	Trichloroethene	VOC	170		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
75-69-4	Trichlorofluoromethane	VOC	87,000		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	
108-05-4	Vinyl Acetate	VOC	6,500		< 39		< 24		< 46		< 54		< 53		< 49		< 51		< 50		< 49		< 60		< 54		< 55		< 25	
75-01-4	Vinyl Chloride	VOC	30		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5		< 2.5	

Table 5: Sample Results in Comparison with PADEP Clean Fill Standard
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	PA Clean Fill Standards	WC 11 COMP	WC 12 1-2	WC 12 COMP	WC 13 1-2	WC 13 COMP	DUP WC 13 1-2	DUP WC 13 COMP	WC 14 2-3	WC 14 COMP	WC 15 2-3	WC 15 COMP	WC 16 1-2	WC 16 COMP	WC 17 1-2	WC 17 COMP	WC 18 1-2	WC 18 COMP	WC 19 1-2	WC 19 COMP	WC 20 1-2	WC 20 COMP	DUP WC 20 1-2	DUP WC 20 COMP	WC 21 4-5	WC 21 COMP	WC 22 1-2	WC 22 COMP
	Lab Sample ID			BH69296	BH69291	BH69292	BH70562	BH70563	BH70564	BH70565	BH69820	BH69821	BH69818	BH69819	BH69816	BH69817	BH69814	BH69815	BH69812	BH69813	BH69800	BH69801	BH69802	BH69803	BH69804	BH69805	BH69293	BH69294	BH70938	BH70939
	Date			1/30/2015	1/30/2015	1/30/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/30/2015	1/30/2015	1/29/2015	1/29/2015
	Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
87-68-3	Hexachlorobutadiene	SVOC	1,200	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
122-66-7	1,2- Diphenylhydrazine	SVOC	150	< 360		< 360		< 360		< 340		< 360		< 370		< 370		< 350		< 380		< 400		< 360		< 360		< 360		< 350
120-82-1	1,2,4-Trichlorobenzene	VOC	27,000		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5		< 2.5	
95-94-3	1,2,4,5-Tetrachlorobenzene	SVOC	5,100	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
58-90-2	2,3,4,6-Tetrachlorophenol	SVOC	450,000	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
95-95-4	2,4,5-Trichlorophenol	SVOC	2,300,000	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
88-06-2	2,4,6-Trichlorophenol	SVOC	3,100	< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140		< 140
102-83-2	2,4-Dichlorophenol	SVOC	1,000	< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140		< 140
105-67-9	2,4-Dimethylphenol	SVOC	32,000	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
51-28-5	2,4-Dinitrophenol	SVOC	210	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
121-14-2	2,4-Dinitrotoluene	SVOC	50	< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140		< 140
606-20-2	2,6-Dinitrotoluene	SVOC	1,100	< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140		< 140
91-58-7	2-Chloronaphthalene	SVOC	6,200,000	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
95-57-8	2-Chlorophenol	SVOC	4,400	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
91-57-6	2-Methylnaphthalene	SVOC	2,900,000	< 250		< 250		< 250		< 240		150		360		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
95-48-7	2-Methylphenol	SVOC	64,000	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
88-74-4	2-Nitroaniline	SVOC	38	< 1800		< 1800		< 1800		< 1700		< 1800		< 1900		< 1800		< 1700		< 1900		< 2000		< 1800		< 1800		< 1800		< 1800
88-75-5	2-Nitrophenol	SVOC	5,900	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
91-94-1	3,3-Dichlorobenzidine	SVOC	8,300	< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140		< 140
99-09-2	3-Nitroaniline	SVOC	33	< 1800		< 1800		< 1800		< 1700		< 1800		< 1900		< 1800		< 1700		< 1900		< 2000		< 1800		< 1800		< 1800		< 1800
534-52-1	4,6-Dinitro-2-methylphenol	SVOC	NA	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
59-50-7	4-Chloro-3-methylphenol	SVOC	37,000	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
106-47-8	4-Chloroaniline	SVOC	19,000	< 720		< 720		< 730		< 670		< 730		< 750		< 730		< 700		< 760		< 790		< 730		< 710		< 710		< 700
100-01-6	4-Nitroaniline	SVOC	31	< 1800		< 1800		< 1800		< 1700		< 1800		< 1900		< 1800		< 1700		< 1900		< 2000		< 1800		< 1800		< 1800		< 1800
100-02-7	4-Nitrophenol	SVOC	4,100	< 1800		< 1800		< 1800		< 1700		< 1800		< 1900		< 1800		< 1700		< 1900		< 2000		< 1800		< 1800		< 1800		< 1800
83-32-9	Acenaphthene	SVOC	2,700,000	< 250		< 250		< 250		< 240		130		320		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
208-96-8	Acenaphthylene	SVOC	2,500,000	< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140		< 140
98-86-2	Acetophenone	SVOC	200,000	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
62-53-3	Aniline	SVOC	160	< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330
120-12-7	Anthracene	SVOC	350,000	< 250		< 250		< 250		< 240		< 250		200		140		< 240		< 270		< 280		< 250		< 250		< 250		< 250
1912-24-9	Atrazine	SVOC	130	< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140		< 140
100-52-7	Benzaldehyde	SVOC	NA	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
56-55-3	Benzo-a-Anthracene	SVOC	25,000	< 250		630		< 250		< 240		210		330		500		120		< 270		< 280		< 250		150		< 250		< 250
50-32-8	Benzo-a-Pyrene	SVOC	2,500	< 140		590		< 150		< 130		190		280		390		< 140		< 150		< 160		130		140		< 140		< 140
205-99-2	Benzo-b-Fluoranthene	SVOC	25,000	< 250		750		< 250		< 240		280		410		520		160		< 270		< 280		170		160		< 250		< 250
207-08-9	Benzo-k-Fluoranthene	SVOC	250,000	< 250		320		< 250		< 240		< 250		160		200		< 240		< 270		< 280		< 250		< 250		< 250		< 250
191-24-2	Benzo-g,h,i-Perylene	SVOC	180,000	< 250		280		< 250		< 240		140		200		240		< 240		< 270		< 280		< 250		< 250		< 250		< 250
65-85-0	Benzoic Acid	SVOC	2,900,000	< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330
100-51-6	Benzyl Alcohol	SVOC	400,000	< 360		< 360		< 360		< 340		< 360		< 370		< 370		< 350		< 380		< 400		< 360		< 360		< 360		< 350
111-44-4	Bis(2-Chloroethyl)ether	SVOC	3.9	< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140		< 140
108-60-1	Bis(2-Chloroisopropyl)ether	SVOC	8,000	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
117-81-7	Bis(2-Ethylhexyl)Phthalate	SVOC	130,000	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
85-68-7	Butylbenzylphthalate	SVOC	10,000,000	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
105-60-2	Caprolactam	SVOC	NA	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
86-74-8	Carbazole	SVOC	21,000	< 1800		< 1800		< 1800		< 1700		< 1800		< 1900		< 1800		< 1700		< 1900		< 2000		< 1800		< 1800		< 1800		< 1800
218-01-9	Chrysene	SVOC	230,000	< 250		570		< 250		< 240		240		380		500		< 240		< 270		< 280		140		140		< 250		< 250
75-99-0	Dalapon	SVOC	5,300	< 45		< 46		< 47		< 43		< 45		< 47		< 46		< 44		< 49		< 49		< 46		< 45		< 45		< 44
132-64-9	Dibenzofuran	SVOC	NA	< 250		< 250		< 250		< 240		< 250		280		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
53-70-3	Dibenzo-a,h-Anthracene	SVOC	2,500	< 140		140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140		< 140
84-66-2	Diethyl Phthalate	SVOC	160,000	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
131-11-3	Dimethyl Phthalate	SVOC	NA	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
84-74-2	Di-n-Butyl Phthalate	SVOC	1,500,000	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
117-84-0	Di-n-Octyl Phthalate	SVOC	4,400,000	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
206-44-0	Fluoranthene	SVOC	3,200,000	< 250		860		130		150		440		670		960		190		< 270		< 280		210		210		< 250		< 250
86-73-7	Fluorene	SVOC	3,000,000	< 250		< 250		< 250		< 240		< 250		360		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
118-74-1	Hexachlorobenzene	SVOC	960	< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140		< 140
77-47-4	Hexachlorocyclopentadiene	SVOC	91,000	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
67-72-1	Hexachloroethane	SVOC	560	< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140		< 140
193-39-5	Indeno(1,2,3-cd)Pyrene	SVOC	25,000	< 250		330		< 250		< 240		140		200		240		< 240		< 270		< 280		< 250		< 250		< 250		< 250
78-59-1	Isophorone	SVOC	1,900	< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140		< 140
98-95-3	Nitrobenzene	SVOC	790	< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140		< 140
62-75-9	N-Nitrosodimethylamine	SVOC	0.41	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
621-64-7	N-Nitroso-di-n-Propylamine	SVOC	1.3	< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140		< 140
86-30-6	N-Nitrosodiphenylamine	SVOC	20,000	< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140		< 140
87-86-5	Pentachlorophenol	SVOC	5,000	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
85-01-8	Phenanthrene	SVOC	10,000,000	< 140		100		< 150		120		370		1000		540		< 140		< 150		< 160		170		150		< 140		< 140
108-95-2	Phenol	SVOC	66,000	< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250		< 250
129-00-0	Pyrene	SVOC	2,200,000	< 250		770		< 250		130		390		560		920		190		< 270		< 280		180		180		< 250		< 250

Table 5: Sample Results in Comparison with PADEP Clean Fill Standard
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	PA Clean Fill Standards	WC 11 COMP	WC 12 1-2	WC 12 COMP	WC 13 1-2	WC 13 COMP	DUP WC 13 1-2	DUP WC 13 COMP	WC 14 2-3	WC 14 COMP	WC 15 2-3	WC 15 COMP	WC 16 1-2	WC 16 COMP	WC 17 1-2	WC 17 COMP	WC 18 1-2	WC 18 COMP	WC 19 1-2	WC 19 COMP	WC 20 1-2	WC 20 COMP	DUP WC 20 1-2	DUP WC 20 COMP	WC 21 4-5	WC 21 COMP	WC 22 1-2	WC 22 COMP
	Lab Sample ID			BH69296	BH69291	BH69292	BH70562	BH70563	BH70564	BH70565	BH69820	BH69821	BH69818	BH69819	BH69816	BH69817	BH69814	BH69815	BH69812	BH69813	BH69800	BH69801	BH69802	BH69803	BH69804	BH69805	BH69293	BH69294	BH70938	BH70939
	Date			1/30/2015	1/30/2015	1/30/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/30/2015	1/30/2015	1/29/2015	1/29/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
93-76-5	2,4,5-T	HERBICIDE	1,500	< 45		< 46		< 47		< 43		< 45		< 47		< 46		< 44		< 49		< 49		< 46		< 45		< 45		< 44
93-72-1	2,4,5-TP Acid	PESTICIDE	22,000	< 45		< 46		< 47		< 43		< 45		< 47		< 46		< 44		< 49		< 49		< 46		< 45		< 45		< 44
94-75-7	2,4-D	HERBICIDE	18,000	< 45		< 46		< 47		< 43		< 45		< 47		< 46		< 44		< 49		< 49		< 46		< 45		< 45		< 44
72-54-8	4,4-DDD	PESTICIDE	6,800	< 2.1		< 2.2		< 2.2		< 2.0		< 2.2		9.7		< 2.2		< 2.1		< 2.3		< 2.3		< 2.2		< 2.1		< 2.1		< 2.1
72-55-9	4,4-DDE	PESTICIDE	41,000	< 2.1		< 2.2		< 2.2		< 2.0		< 2.2		< 2.2		< 2.2		< 2.1		< 2.3		< 2.3		< 2.2		< 2.1		< 2.1		< 2.1
50-29-3	4,4-DDT	PESTICIDE	53,000	< 2.1		< 2.2		< 2.2		< 2.0		< 2.2		3.5		< 2.2		< 2.1		< 2.3		< 2.3		< 2.2		< 2.1		< 2.1		< 2.1
309-00-2	Aldrin	PESTICIDE	100	< 3.6		< 3.6		< 3.7		< 3.4		< 3.6		< 3.7		< 3.7		< 3.5		< 3.9		< 3.9		< 3.7		< 3.5		< 3.5		< 3.5
319-84-6	alpha-BHC	PESTICIDE	46	< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0		< 7.1		< 7.0
5103-71-9	Alpha Chlordane	PESTICIDE	NA	< 3.6		< 3.6		< 3.7		< 3.4		< 3.6		< 3.7		< 3.7		< 3.5		< 3.9		< 3.9		< 3.7		< 3.5		< 3.5		< 3.5
12674-11-2	Aroclor 1016	PCB	15,000	< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70		< 71		< 70
1104-28-2	Aroclor 1221	PCB	630	< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70		< 71		< 70
11141-16-5	Aroclor 1232	PCB	500	< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70		< 71		< 70
53469-21-9	Aroclor 1242	PCB	16,000	< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70		< 71		< 70
12672-29-6	Aroclor 1248	PCB	9,900	< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70		< 71		< 70
11097-69-1	Aroclor 1254	PCB	4,400	< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70		< 71		< 70
11096-82-5	Aroclor 1260	PCB	30,000	< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70		< 71		< 70
11096-82-5	Aroclor 1262	PCB	NA	< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70		< 71		< 70
37324-23-5	Aroclor 1268	PCB	NA	< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70		< 71		< 70
319-85-7	beta-BHC	PESTICIDE	220	< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0		< 7.1		< 7.0
57-74-9	Chlordane	PESTICIDE	49,000	< 36		< 36		< 37		< 34		< 36		< 37		< 37		< 35		< 39		< 39		< 37		< 35		< 35		< 35
319-86-8	delta-BHC	PESTICIDE	11,000	< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0		< 7.1		< 7.0
1918-00-9	Dicamba	HERBICIDE	NA	< 90		< 92		< 93		< 86		< 91		< 93		< 93		< 88		< 97		< 98		< 91		< 90		< 90		< 89
60-57-1	Dieldrin	PESTICIDE	110	< 3.6		< 3.6		< 3.7		< 3.4		< 3.6		< 3.7		< 3.7		< 3.5		< 3.9		< 3.9		< 3.7		< 3.5		< 3.5		< 3.5
115-29-7	Endosulfan	PESTICIDE	30,000	< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0		< 7.1		< 7.0
959-98-8	Endosulfan I	PESTICIDE	110,000	< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0		< 7.1		< 7.0
33213-65-9	Endosulfan II	PESTICIDE	130,000	< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0		< 7.1		< 7.0
1031-07-8	Endosulfan Sulfate	PESTICIDE	70,000	< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0		< 7.1		< 7.0
72-20-8	Endrin	PESTICIDE	5,500	< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0		< 7.1		< 7.0
58-89-9	gamma-BHC	PESTICIDE	72	< 1.4		< 1.4		< 1.5		< 1.3		< 1.4		< 1.5		< 1.5		< 1.4		< 1.5		< 1.6		< 1.5		< 1.4		< 1.4		< 1.4
5103-74-2	Gamma Chlordane	PESTICIDE	NA	< 3.6		< 3.6		< 3.7		< 3.4		< 3.6		< 3.7		< 3.7		< 3.5		< 3.9		< 3.9		< 3.7		< 3.5		< 3.5		< 3.5
76-44-8	Heptachlor	PESTICIDE	680	< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0		< 7.1		< 7.0
1024-57-3	Heptachlor Epoxide	PESTICIDE	1,100	< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0		< 7.1		< 7.0
72-43-5	Methoxychlor	PESTICIDE	630,000	< 36		< 36		< 37		< 34		< 36		< 37		< 37		< 35		< 39		< 39		< 37		< 35		< 35		< 35
56-38-2	Parathion	PESTICIDE	130,000	< 360		< 5		< 360		< 340		< 5		< 5		< 5		< 350		< 380		< 400		< 360		< 360		< 5		< 350
1336-36-3	Polychlorinated Biphenyls	PESTICIDE	NA	0		0		0		0		0		0		0		0		0		0		0		0		0		0
8001-35-2	Toxaphene	PESTICIDE	1,200	< 140		< 140		< 150		< 130		< 140		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140		< 140
	Unit		*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
7429-90-5	Aluminum, Al	METAL	NA	1320		1480		957		1410		3060		5030		9470		3190		1730		2280		2530		1440		1390		1240
7440-36-0	Antimony, Sb	METAL	27	< 3.4		< 3.7		< 3.6		< 3.2		< 3.6		< 4.0		< 3.5		< 3.7		< 4.1		< 3.6		< 3.9		< 3.7		< 3.7		< 3.2
7440-38-2	Arsenic, As	METAL	20	1		1.2		< 0.7		0.6		2.6		9.1		6.2		5.4		2.4		1.8		3.2		1.3		1.1		0.9
7440-39-3	Barium, Ba	METAL	8,200	7.57		15.4		6.65		8.48		29		103		109		42.5		20.8		16.6		76		22.2		5.81		9.86
7440-41-7	Beryllium, Be	METAL	320	< 0.27		< 0.29		< 0.29		< 0.25		< 0.29		0.48		0.56		< 0.29		< 0.33		< 0.29		< 0.31		< 0.30		< 0.30		< 0.26
7440-43-9	Cadmium, Cd	METAL	38	< 0.34		< 0.37		< 0.36		< 0.32		< 0.36		< 0.40		< 0.35		< 0.37		< 0.41		0.46		0.43		< 0.37		< 0.37		< 0.32
7440-47-3	Chromium, Cr	METAL	NA	4.75		4.92		2.65		4.46		9.36		11.3		18.9		11.6		10.3		5.41		9.93		5.67		4.59		4.06
18540-29-9	Chromium, hexavalent	METAL	94	< 0.44		< 0.43		< 0.47		< 0.40		< 0.44		< 0.45		< 0.45		< 0.43		< 0.47		< 0.46		0.48		< 0.43		< 0.45		< 0.43
16065-83-1	Chromium, trivalent	METAL	190,000	4.75		4.92		2.65		4.46		9.36		11.3		18.9		11.6		10.3		5.41		9.45		5.67		4.59		4.06
7440-48-4	Cobalt, Co	METAL	8.1	1.14		1.44		1.02		0.97		2.89		5.9		7.91		3.45		2.26		2.06		2.08		1.29		1.22		1.2
7440-50-8	Copper, Cu	METAL	8,200	2.21		3.48		3.77		3.72		12		84.7		26		14		9.61		4.23		14.6		3.92		1.91		6.22
57-12-5	Cyanide	METAL	200	< 0.55		< 0.51		< 0.47		< 0.47		< 0.55		< 0.56		< 0.51		< 0.54		< 0.59		< 0.60		< 0.56		< 0.54		1.26		< 0.48
7439-89-6	Iron, Fe	METAL	NA	2620		2860		2880		2520		10600		10600		17900		8740		4360		4160		4910		3070		2900		2880
7439-92-1	Lead, Pb	METAL	450	3.22		22.6		13		12.9		37.1		108		145		65.2		13		14.9		170		33.3		4.87		18.7
7439-96-5	Manganese, Mn	METAL	31,000	32.7		34.9		35		34.6		118		248		275		138		64.2		55.4		78.7		34		29.5		51.9
7439-97-6	Mercury, Hg	METAL	10	< 0.03		< 0.03		< 0.03		< 0.02		0.18		0.17		0.09		0.2		< 0.03		< 0.03		0.04		0.05		< 0.03		0.04
7440-02-0	Nickel, Ni	METAL	650	3.91		4.63		2.86		3.05		11.4		20.1		23.6		11.5		7.15		6.78		6.8		4.73		5.57		4.35
7782-49-2	Selenium, Se	METAL	26	< 1.4		< 1.5		< 1.4		< 1.3		< 1.4		< 1.6		< 1.4		< 1.5		< 1.7		< 1.5		< 1.6		< 1.5		< 1.5		< 1.3
7440-22-4	Silver, Ag	METAL	84	< 0.34		< 0.37		< 0.36		< 0.32		< 0.36		< 0.40		< 0.35		< 0.37		< 0.41		< 0.36		< 0.39		< 0.37		< 0.37		< 0.32
7440-28-0	Thallium, Ti	METAL	14	< 3.1		< 3.3		< 3.2		< 2.9		< 3.2		< 3.6		< 3.2		< 3.3		< 3.7		< 3.3		< 3.5		< 3.4		< 3.4		< 2.9
7440-62-2	Vanadium, V	METAL	1,500	4.27		5.36		4.14		4.1		11.2		17		25.2		11.1		6.09		6.56		7.76		5.02		4.72		4.94
7440-66-6	Zinc, Zn	METAL	12,000	21.8		25.3		16.4		46.8		35.5		108		116		53.1		39.3		44		145		78.7		54.5		22.9
	pH	pH	NA	9.33		8.95		9.49		9.7		7.19		9.65		8.7		9.68		9.07		8.72		9.42		9.39		9.56		8.85
	TPH	TPH	NA	< 54		< 55		< 55		< 50		<55		<55		<55		<52		<57		<59		<55		<54		< 53		<53

Notes: Shaded values indicate an exceedance of PA Clean Fill Standard.

Notes
ug/kg = micrograms per kilogram (ppb)
mg/kg = milligrams per kilogram (ppm)
ug/L = micrograms per liter
mg/L = milligrams per liter

Table 5: Sample Results in Comparison with PADEP Clean Fill Standard
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	PA Clean Fill Standards	WC 23 1-2	WC 23 COMP	WC 24 1-2	WC 24 COMP	WC 25 1-2	WC 25 COMP	WC 26 2-3	WC 26 COMP	WC 27 1-2	WC 27 COMP	WC 28 1-2	WC 28 COMP	WC 29 2-3	WC 29 COMP	DUP WC 29 2-3	DUP WC 29 COMP	WC 30 1-2	WC 30 COMP	WC 31 1-2	WC 31 COMP	WC 32 2-3	WC 32 COMP	WC 33 3-4	WC 33 COMP	WC 34 2-3	WC 34 COMP	WC 35 1-2	WC 35 COMP
	Lab Sample ID			BH70952	BH70953	BH70954	BH70955	BH70948	BH70949	BH70940	BH70941	BH69806	BH69807	BH69289	BH69290	BH69808	BH69809	BH69810	BH69811	BH68765	BH68766	BH70956	BH70957	BH69794	BH69795	BH68763	BH68764	BH70942	BH70943	BH69796	BH69797
	Date			2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/5/2015	2/5/2015	2/3/2015	2/3/2015	1/30/2015	1/30/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	1/29/2015	1/29/2015	2/3/2015	2/3/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
630-20-6	1,1,1,2-Tetrachloroethane	VOC	18,000	< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1	
71-55-6	1,1,1-Trichloroethane	VOC	7,200	< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1	
79-34-5	1,1,2,2-Tetrachloroethane	VOC	9.3	< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1	
79-00-5	1,1,2-Trichloroethane	VOC	150	< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1	
92-52-4	1-1- Biphenyl	SVOC	790,000		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250		< 260
75-34-3	1,1-Dichloroethane	VOC	650	< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1	
75-35-4	1,1-Dichloroethene	VOC	190	< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1	
95-63-6	1,2,4-Trimethylbenzene	VOC	9,000	< 2.5		< 2.4		< 4.4		< 260		< 5.3		< 5.1		< 270		< 270		< 2.3		< 2.7		< 260		< 2.1		< 3.4		< 5.1	
96-12-8	1,2-Dibromo-3-Chloropropane	VOC	9.2	< 2.5		< 2.3		< 4.4		< 80		< 5.3		< 5.1		< 80		< 5.0		< 2.3		< 2.3		< 80		< 2.1		< 3.4		< 5.1	
106-93-4	1,2-Dibromoethane	VOC	1.2	< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1	
95-50-1	1,2-Dichlorobenzene	VOC	59,000	< 2.5		< 2.3		5.1		< 260		< 5.3		< 5.1		< 270		< 5.0		< 2.3		< 2.3		< 260		< 2.1		0.65		< 5.1	
107-06-2	1,2-Dichloroethane	VOC	100	< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1	
78-87-5	1,2-Dichloropropane	VOC	110	< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1	
108-67-8	1,3,5-Trimethylbenzene	VOC	2,800	< 2.5		< 2.4		< 4.4		< 260		< 5.3		< 5.1		< 270		< 270		< 2.3		< 2.7		< 260		< 2.1		< 3.4		< 5.1	
541-73-1	1,3-Dichlorobenzene	VOC	61,000	< 2.5		< 2.3		< 4.4		< 260		< 5.3		< 5.1		< 270		< 5.0		< 2.3		< 2.3		< 260		< 2.1		< 3.4		< 5.1	
106-46-7	1,4-Dichlorobenzene	VOC	10,000	< 2.5		< 2.3		1.6		< 260		< 5.3		< 5.1		< 270		< 5.0		< 2.3		< 2.3		< 260		< 2.1		< 3.4		< 5.1	
123-91-1	1,4-Dioxane	VOC	73	< 49		< 46		< 88		< 68		< 100		< 100		< 100		< 99		< 45		< 46		< 91		< 41		< 67		< 100	
78-93-3	2-Butanone	VOC	54,000	< 15		2.8		< 26		< 20		< 32		< 31		< 34		< 30		< 14		< 14		< 27		< 12		< 20		< 30	
108-10-1	4-Methyl-2-Pentanone	VOC	2900	< 12		< 12		< 22		< 17		< 26		< 26		< 29		< 25		< 11		< 12		< 23		< 10		< 17		< 25	
67-64-1	Acetone	VOC	41,000	16		18		11		< 34		< 50		< 51		< 50		< 50		< 23		3		< 46		< 21		11		< 50	
107-02-8	Acrolein	VOC	0.62	< 12		< 12		< 22		< 17		< 26		< 26		< 29		< 25		< 11		< 12		< 23		< 10		< 17		< 25	
107-13-1	Acrylonitrile	VOC	8.7	< 4.9		< 4.6		< 8.8		< 6.8		< 11		< 10		< 11		< 9.9		< 4.5		< 4.6		< 9.1		< 4.1		< 6.7		< 10	
71-43-2	Benzene	VOC	130	< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		6.6		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1	
92-87-5	Benzidine	SVOC	NA		< 560		< 530		< 570		< 550		< 590		< 530		< 580		< 590		< 530		< 540		< 590		< 540		< 540		< 560
74-97-5	Bromochloromethane	VOC	1,600	< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1	
75-27-4	Bromodichloromethane	VOC	3,400	< 2.5		< 2.3		< 4.4		< 3.4		1.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1	
75-25-2	Bromoform	VOC	4,400	< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1	
74-83-9	Bromomethane	VOC	540	< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1	
75-15-0	Carbon Disulfide	VOC	160,000	2.3		0.55		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		3.2		< 5.1	
56-23-5	Carbon Tetrachloride	VOC	260	< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1	
108-90-7	Chlorobenzene	VOC	6,100	< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1	
124-48-1	Chlorodibromomethane	VOC	3,200	< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1	
75-00-3	Chloroethane	VOC	5,000	< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1	
67-66-3	Chloroform	VOC	2,500	< 2.5		< 2.3		< 4.4		< 3.4		110		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		0.94		< 5.1	
74-87-3	Chloromethane	VOC	38	< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1	
156-59-2	cis-1,2-Dichloroethene	VOC	1,600	< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1	
74-95-3	Dibromomethane	VOC	3,700																												
75-71-8	Dichlorodifluoromethane	VOC	100,000	< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1	
100-41-4	Ethylbenzene	VOC	46,000	< 2.5		0.54		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1	
98-82-8	Isopropylbenzene	VOC	780,000	< 2.5		< 2.3		< 4.4		< 260		< 5.3		< 5.1		< 270		+++IND		< 2.3		< 2.3		< 260		< 2.1		< 3.4		< 5.1	
75-09-2	Methylene Chloride	VOC	76	0.57		0.62		1.3		0.73		2.3		1.7		2.7		2.6		< 2.3		0.45		1.7		< 2.1		1.2		1.6	
1634-04-4	Methyl Tert-Butyl Ether	VOC	280	< 4.9		< 4.6		< 8.8		< 6.8		< 11		< 10		< 11		< 9.9		< 4.5		< 4.6		< 9.1		< 4.1		< 6.7		< 10	
91-20-3	Naphthalene	SVOC	25,000		< 260		< 250		< 260		< 260		< 270		< 250		240		< 280		< 250		< 250		< 280		< 250		< 250		< 260
104-51-8	n-Butylbenzene	VOC	950,000	< 2.5		< 2.4		< 4.4		< 260		< 5.3		< 5.1		< 270		< 270		< 2.3		< 2.7		< 260		< 2.1		< 3.4		< 5.1	
103-65-1	n-Propylbenzene	VOC	290,000	< 2.5		< 2.4		< 4.4		< 260		< 5.3		< 5.1		< 270		< 270		< 2.3		< 2.7		< 260		< 2.1		< 3.4		< 5.1	
99-87-6	p-Isoproplytoluene	VOC	NA	< 2.5		< 2.4		< 4.4		< 260		< 5.3		< 5.1		< 270		< 270		< 2.3		< 2.7		< 260		< 2.1		< 3.4		< 5.1	
135-98-8	sec-Butylbenzene	VOC	350,000	< 2.5		< 2.4		< 4.4		< 260		< 5.3		< 5.1		< 270		< 270		< 2.3		< 2.7		< 260		< 2.1		< 3.4		< 5.1	
100-42-5	Styrene	VOC	24,000	< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1	
98-06-6	tert-Butylbenzene	VOC	270,000	< 2.5		< 2.4		< 4.4		< 260		< 5.3		< 5.1		< 270		< 270		< 2.3		< 2.7		< 260		< 2.1		< 3.4		< 5.1	
75-65-0	Tertiary Butyl Alcohol	VOC	NA	< 49		< 46		< 88		< 68		< 110		< 100		< 110		< 99		< 45		< 46		< 91		< 41		< 67		< 100	
127-18-4	Tetrachloroethene	VOC	430	< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1	
108-88-3	Toluene	VOC	44,000	< 2.5		< 2.3		< 4.4		0.56		< 5.3		< 5.1		< 5.7		2.6		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1	
1330-20-7	Total Xylenes	VOC	990,000	< 2.5		2.9		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1	
156-60-5	trans-1,2-Dichloroethene	VOC	2,300	< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1	
79-01-6	Trichloroethene	VOC	170	< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1	
75-69-4	Trichlorofluoromethane	VOC	87,000	< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1	
108-05-4	Vinyl Acetate	VOC	6,500	< 25		< 24		< 44		< 34		< 53		< 51		< 57		< 50		< 23		< 23		< 46		< 21		< 34		< 51	
75-01-4	Vinyl Chloride	VOC	30	< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4		< 5.1	

Table 5: Sample Results in Comparison with PADEP Clean Fill Standard
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	PA Clean Fill Standards	WC 23 1-2	WC 23 COMP	WC 24 1-2	WC 24 COMP	WC 25 1-2	WC 25 COMP	WC 26 2-3	WC 26 COMP	WC 27 1-2	WC 27 COMP	WC 28 1-2	WC 28 COMP	WC 29 2-3	WC 29 COMP	DUP WC 29 2-3	DUP WC 29 COMP	WC 30 1-2	WC 30 COMP	WC 31 1-2	WC 31 COMP	WC 32 2-3	WC 32 COMP	WC 33 3-4	WC 33 COMP	WC 34 2-3	WC 34 COMP	WC 35 1-2	WC 35 COMP
	Lab Sample ID			BH70952	BH70953	BH70954	BH70955	BH70948	BH70949	BH70940	BH70941	BH69806	BH69807	BH69289	BH69290	BH69808	BH69809	BH69810	BH69811	BH68765	BH68766	BH70956	BH70957	BH69794	BH69795	BH68763	BH68764	BH70942	BH70943	BH69796	BH69797
	Date			2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/5/2015	2/5/2015	2/3/2015	2/3/2015	1/30/2015	1/30/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	1/29/2015	1/29/2015	2/3/2015	2/3/2015
	Unit			*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
87-68-3	Hexachlorobutadiene	SVOC	1,200		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250		< 260
122-66-7	1,2- Diphenylhydrazine	SVOC	150		< 370		< 360		< 380		< 370		< 390		< 360		< 380		< 390		< 360		< 360		< 390		< 360		< 360		< 380
120-82-1	1,2,4-Trichlorobenzene	VOC	27,000	< 2.5		< 2.3		< 4.4		< 260		< 5.3		< 5.1		< 270		< 5.0		< 2.3		< 2.3		< 260		< 2.1		< 3.4		< 5.1	
95-94-3	1,2,4,5-Tetrachlorobenzene	SVOC	5,100		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250		< 260
58-90-2	2,3,4,6-Tetrachlorophenol	SVOC	450,000		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250		< 260
95-95-4	2,4,5-Trichlorophenol	SVOC	2,300,000		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250		< 260
88-06-2	2,4,6-Trichlorophenol	SVOC	3,100		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150		< 150		< 150
102-83-2	2,4-Dichlorophenol	SVOC	1,000		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150		< 150		< 150
105-67-9	2,4-Dimethylphenol	SVOC	32,000		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250		< 260
51-28-5	2,4-Dinitrophenol	SVOC	210		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250		< 260
121-14-2	2,4-Dinitrotoluene	SVOC	50		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150		< 150		< 150
606-20-2	2,6-Dinitrotoluene	SVOC	1,100		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150		< 150		< 150
91-58-7	2-Chloronaphthalene	SVOC	6,200,000		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250		< 260
95-57-8	2-Chlorophenol	SVOC	4,400		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250		< 260
91-57-6	2-Methylnaphthalene	SVOC	2,900,000		< 260		< 250		< 260		< 260		< 270		< 250		200		< 280		< 250		< 250		< 280		< 250		< 250		< 260
95-48-7	2-Methylphenol	SVOC	64,000		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250		< 260
88-74-4	2-Nitroaniline	SVOC	38		< 1900		< 1800		< 1900		< 1800		< 2000		< 1800		< 1900		< 2000		< 1800		< 1800		< 2000		< 1800		< 1800		< 1900
88-75-5	2-Nitrophenol	SVOC	5,900		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250		< 260
91-94-1	3,3-Dichlorobenzidine	SVOC	8,300		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150		< 150		< 150
99-09-2	3-Nitroaniline	SVOC	33		< 1900		< 1800		< 1900		< 1800		< 2000		< 1800		< 1900		< 2000		< 1800		< 1800		< 2000		< 1800		< 1800		< 1900
534-52-1	4,6-Dinitro-2-methylphenol	SVOC	NA		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250		< 260
59-50-7	4-Chloro-3-methylphenol	SVOC	37,000		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250		< 260
106-47-8	4-Chloroaniline	SVOC	19,000		< 750		< 710		< 750		< 740		< 780		< 710		< 770		< 790		< 710		< 710		< 790		< 730		< 730		< 750
100-01-6	4-Nitroaniline	SVOC	31		< 1900		< 1800		< 1900		< 1800		< 2000		< 1800		< 1900		< 2000		< 1800		< 1800		< 2000		< 1800		< 1800		< 1900
100-02-7	4-Nitrophenol	SVOC	4,100		< 1900		< 1800		< 1900		< 1800		< 2000		< 1800		< 1900		< 2000		< 1800		< 1800		< 2000		< 1800		< 1800		< 1900
83-32-9	Acenaphthene	SVOC	2,700,000		< 260		< 250		180		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250		< 260
208-96-8	Acenaphthylene	SVOC	2,500,000		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150		< 150		< 150
98-86-2	Acetophenone	SVOC	200,000		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250		< 260
62-53-3	Aniline	SVOC	160		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330
120-12-7	Anthracene	SVOC	350,000		< 260		210		510		< 260		< 270		< 250		310		250		< 250		< 250		< 280		< 250		< 250		< 260
1912-24-9	Atrazine	SVOC	130		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150		< 150		< 150
100-52-7	Benzaldehyde	SVOC	NA		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250		< 260
56-55-3	Benzo-a-Anthracene	SVOC	25,000		280		880		1200		280		< 270		< 250		990		600		< 250		200		< 280		< 250		130		330
50-32-8	Benzo-a-Pyrene	SVOC	2,500		280		800		950		280		< 160		< 140		990		550		< 140		190		< 160		< 150		130		400
205-99-2	Benzo-b-Fluoranthene	SVOC	25,000		480		1300		1600		490		140		< 250		1300		760		< 250		300		< 280		130		200		490
207-08-9	Benzo-k-Fluoranthene	SVOC	250,000		200		520		590		180		< 270		< 250		540		260		< 250		160		< 280		< 250		< 250		190
191-24-2	Benzo-g,h,i-Perylene	SVOC	180,000		< 260		210		220		< 260		< 270		< 250		390		230		< 250		< 250		< 280		< 250		< 250		400
65-85-0	Benzoic Acid	SVOC	2,900,000		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330
100-51-6	Benzyl Alcohol	SVOC	400,000		< 370		< 360		< 380		< 370		< 390		< 360		< 380		< 390		< 360		< 360		< 390		< 360		< 360		< 380
111-44-4	Bis(2-Chloroethyl)ether	SVOC	3.9		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150		< 150		< 150
108-60-1	Bis(2-Chloroisopropyl)ether	SVOC	8,000		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250		< 260
117-81-7	Bis(2-Ethylhexyl)Phthalate	SVOC	130,000		230		< 250		120		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250		< 260
85-68-7	Butylbenzylphthalate	SVOC	10,000,000		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250		< 260
105-60-2	Caprolactam	SVOC	NA		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250		< 260
86-74-8	Carbazole	SVOC	21,000		< 1900		< 1800		350		< 1800		< 2000		< 1800		< 1900		< 2000		< 1800		< 1800		< 2000		< 1800		< 1800		< 1900
218-01-9	Chrysene	SVOC	230,000		270		820		1100		350		130		< 250		1100		660		< 250		190		< 280		< 250		170		420
75-99-0	Dalapon	SVOC	5,300		< 46		< 46		< 48		< 46		< 50		< 45		< 49		< 49		< 45		< 45		< 49		< 46		< 46		< 48
132-64-9	Dibenzofuran	SVOC	NA		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250		< 260
53-70-3	Dibenzo-a,h-Anthracene	SVOC	2,500		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150		< 150		< 150
84-66-2	Diethyl Phthalate	SVOC	160,000		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250		< 260
131-11-3	Dimethyl Phthalate	SVOC	NA		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250		< 260
84-74-2	Di-n-Butyl Phthalate	SVOC	1,500,000		< 260		< 250		< 260		< 260		< 270		< 250		130		< 280		< 250		< 250		< 280		< 250		< 250		< 260
117-84-0	Di-n-Octyl Phthalate	SVOC	4,400,000		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250		< 260
206-44-0	Fluoranthene	SVOC	3,200,000		470		1700		2100		620		170		< 250		1400		1000		< 250		320		< 280		120		200		530
86-73-7	Fluorene	SVOC	3,000,000		< 260		< 250		190		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250		< 260
118-74-1	Hexachlorobenzene	SVOC	960		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150		< 150		< 150
77-47-4	Hexachlorocyclopentadiene	SVOC	91,000		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250		< 260
67-72-1	Hexachloroethane	SVOC	560		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150		< 150		< 150
193-39-5	Indeno(1,2,3-cd)Pyrene	SVOC	25,000		< 260		200		210		< 260		< 270		< 250		400		240		< 250		< 250		< 280		< 250		< 250		330
78-59-1	Isophorone	SVOC	1,900		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150		< 150		< 150
98-95-3	Nitrobenzene	SVOC	790		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150		< 150		< 150
62-75-9	N-Nitrosodimethylamine	SVOC	0.41		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250		< 260
621-64-7	N-Nitroso-di-n-Propylamine	SVOC	1.3		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150		< 150		< 150
86-30-6	N-Nitrosodiphenylamine	SVOC	20,000		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150		< 150		< 150
87-86-5	Pentachlorophenol	SVOC	5,000		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250		< 260
85-01-8	Phenanthrene	SVOC	10,000,000		350		1100		1800		460		170		< 140		1300		1200		< 140		280		< 160		110		180		550
108-95-2	Phenol	SVOC	66,000		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250		< 250		< 260
129-00-0	Pyrene	SVOC	2,200,000		450		1400		2100		520		170		< 250		1200		830		< 250		270		< 280		< 250		210		440

Table 5: Sample Results in Comparison with PADEP Clean Fill Standard
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	PA Clean Fill Standards	WC 23 1-2	WC 23 COMP	WC 24 1-2	WC 24 COMP	WC 25 1-2	WC 25 COMP	WC 26 2-3	WC 26 COMP	WC 27 1-2	WC 27 COMP	WC 28 1-2	WC 28 COMP	WC 29 2-3	WC 29 COMP	DUP WC 29 2-3	DUP WC 29 COMP	WC 30 1-2	WC 30 COMP	WC 31 1-2	WC 31 COMP	WC 32 2-3	WC 32 COMP	WC 33 3-4	WC 33 COMP	WC 34 2-3	WC 34 COMP	WC 35 1-2	WC 35 COMP
	Lab Sample ID			BH70952	BH70953	BH70954	BH70955	BH70948	BH70949	BH70940	BH70941	BH69806	BH69807	BH69289	BH69290	BH69808	BH69809	BH69810	BH69811	BH68765	BH68766	BH70956	BH70957	BH69794	BH69795	BH68763	BH68764	BH70942	BH70943	BH69796	BH69797
	Date			2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/5/2015	2/5/2015	2/3/2015	2/3/2015	1/30/2015	1/30/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	1/29/2015	1/29/2015	2/3/2015	2/3/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
93-76-5	2,4,5-T	HERBICIDE	1,500		< 46		< 46		< 48		< 46		< 50		< 45		< 49		< 49		< 45		< 45		< 49		< 46		< 46		< 48
93-72-1	2,4,5-TP Acid	PESTICIDE	22,000		< 46		< 46		< 48		< 46		< 50		< 45		< 49		< 49		< 45		< 45		< 49		< 46		< 46		< 48
94-75-7	2,4-D	HERBICIDE	18,000		< 46		< 46		< 48		< 46		< 50		< 45		< 49		< 49		< 45		< 45		< 49		< 46		< 46		< 48
72-54-8	4,4-DDD	PESTICIDE	6,800		< 2.2		< 2.2		< 2.3		< 2.2		< 2.4		< 2.1		< 12		< 2.3		< 2.1		< 2.1		< 2.4		< 2.2		< 2.2		< 2.3
72-55-9	4,4-DDE	PESTICIDE	41,000		< 2.2		< 2.2		< 2.3		< 2.2		< 2.4		< 2.1		< 12		< 2.3		< 2.1		< 2.1		< 2.4		< 2.2		< 2.2		< 2.3
50-29-3	4,4-DDT	PESTICIDE	53,000		< 2.2		< 2.2		< 2.3		< 2.2		< 2.4		< 2.1		< 12		< 2.3		< 2.1		< 2.1		< 2.4		< 2.2		< 2.2		< 2.3
309-00-2	Aldrin	PESTICIDE	100		< 3.7		< 3.6		< 3.8		< 3.7		< 4.0		< 3.6		< 19		< 3.9		< 3.6		< 3.6		< 3.9		< 3.6		< 3.7		< 3.8
319-84-6	alpha-BHC	PESTICIDE	46		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2		< 7.4		< 7.6
5103-71-9	Alpha Chlordane	PESTICIDE	NA		< 3.7		< 3.6		< 3.8		< 3.7		< 4.0		< 3.6		< 19		< 3.9		< 3.6		< 3.6		< 3.9		< 3.6		< 3.7		< 3.8
12674-11-2	Aroclor 1016	PCB	15,000		< 73		< 73		850		< 75		< 80		< 72		< 78		< 78		< 71		< 71		< 79		< 72		< 74		< 76
1104-28-2	Aroclor 1221	PCB	630		< 73		< 73		< 76		< 75		< 80		< 72		< 78		< 78		< 71		< 71		< 79		< 72		< 74		< 76
11141-16-5	Aroclor 1232	PCB	500		< 73		< 73		< 76		< 75		< 80		< 72		< 78		< 78		< 71		< 71		< 79		< 72		< 74		< 76
53469-21-9	Aroclor 1242	PCB	16,000		< 73		< 73		< 76		< 75		< 80		< 72		< 78		< 78		< 71		< 71		< 79		< 72		< 74		< 76
12672-29-6	Aroclor 1248	PCB	9,900		< 73		< 73		< 76		< 75		< 80		< 72		< 78		< 78		< 71		< 71		< 79		< 72		< 74		< 76
11097-69-1	Aroclor 1254	PCB	4,400		< 73		< 73		< 76		< 75		< 80		< 72		< 78		< 78		< 71		< 71		< 79		< 72		< 74		< 76
11096-82-5	Aroclor 1260	PCB	30,000		< 73		< 73		< 76		< 75		< 80		< 72		430		< 78		< 71		< 71		< 79		< 72		< 74		< 76
11096-82-5	Aroclor 1262	PCB	NA		< 73		< 73		< 76		< 75		< 80		< 72		< 78		< 78		< 71		< 71		< 79		< 72		< 74		< 76
37324-23-5	Aroclor 1268	PCB	NA		< 73		< 73		< 76		< 75		< 80		< 72		< 78		< 78		< 71		< 71		< 79		< 72		< 74		< 76
319-85-7	beta-BHC	PESTICIDE	220		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2		< 7.4		< 7.6
57-74-9	Chlordane	PESTICIDE	49,000		< 37		< 36		< 38		< 37		< 40		< 36		< 190		< 39		< 36		< 36		< 39		< 36		< 37		< 38
319-86-8	delta-BHC	PESTICIDE	11,000		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2		< 7.4		< 7.6
1918-00-9	Dicamba	HERBICIDE	NA		< 92		< 91		< 96		< 92		< 99		< 90		< 97		< 99		< 91		< 89		< 98		< 92		< 93		< 96
60-57-1	Dieldrin	PESTICIDE	110		< 3.7		< 3.6		< 3.8		< 3.7		< 4.0		< 3.6		< 19		< 3.9		< 3.6		< 3.6		< 3.9		< 3.6		< 3.7		< 3.8
115-29-7	Endosulfan	PESTICIDE	30,000		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2		< 7.4		< 7.6
959-98-8	Endosulfan I	PESTICIDE	110,000		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2		< 7.4		< 7.6
33213-65-9	Endosulfan II	PESTICIDE	130,000		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2		< 7.4		< 7.6
1031-07-8	Endosulfan Sulfate	PESTICIDE	70,000		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2		< 7.4		< 7.6
72-20-8	Endrin	PESTICIDE	5,500		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2		< 7.4		< 7.6
58-89-9	gamma-BHC	PESTICIDE	72		< 1.5		< 1.5		< 10		< 1.5		< 1.6		< 1.4		< 7.7		< 1.6		< 1.4		< 1.4		< 1.6		< 1.4		< 1.5		< 1.5
5103-74-2	Gamma Chlordane	PESTICIDE	NA		< 3.7		< 3.6		< 3.8		< 3.7		< 4.0		< 3.6		< 19		< 3.9		< 3.6		< 3.6		< 3.9		< 3.6		< 3.7		< 3.8
76-44-8	Heptachlor	PESTICIDE	680		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2		< 7.4		< 7.6
1024-57-3	Heptachlor Epoxide	PESTICIDE	1,100		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2		< 7.4		< 7.6
72-43-5	Methoxychlor	PESTICIDE	630,000		< 37		< 36		< 38		< 37		< 40		< 36		< 190		< 39		< 36		< 36		< 39		< 36		< 37		< 38
56-38-2	Parathion	PESTICIDE	130,000		< 370		< 360		< 380		< 370		< 390		< 360		< 380		< 390		< 360		< 360		< 390		< 360		< 360		< 380
1336-36-3	Polychlorinated Biphenyls	PESTICIDE	NA		0		0		850		0		0		0		430		0		0		0		0		0		0		0
8001-35-2	Toxaphene	PESTICIDE	1,200		< 150		< 150		< 150		< 150		< 160		< 140		< 770		< 160		< 140		< 140		< 160		< 140		< 150		< 150
	Unit		*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
7429-90-5	Aluminum, Al	METAL	NA		5390		3710		4900		3260		1320		1390		3360		3810		2280		3610		1360		1830		3390		2850
7440-36-0	Antimony, Sb	METAL	27		< 3.5		< 3.4		< 3.9		< 4.0		< 3.9		< 3.5		15.5		18.6		< 3.3		< 3.5		< 4.0		< 3.8		< 3.3		< 3.4
7440-38-2	Arsenic, As	METAL	20		3.6		2.5		3.1		5		1		1.1		10.9		9.1		1.9		2.2		1.4		1.9		4.3		5.1
7440-39-3	Barium, Ba	METAL	8,200		52.6		30.9		53.5		70.1		16.4		12.4		254		509		16		32.7		10.3		11.7		44.1		44.6
7440-41-7	Beryllium, Be	METAL	320		0.33		< 0.27		< 0.31		0.39		< 0.31		< 0.28		< 0.33		< 0.31		< 0.26		< 0.28		< 0.32		< 0.30		0.32		0.3
7440-43-9	Cadmium, Cd	METAL	38		0.72		< 0.34		5.41		< 0.40		< 0.39		< 0.35		2.21		1.06		< 0.33		< 0.35		< 0.40		< 0.38		0.37		< 0.34
7440-47-3	Chromium, Cr	METAL	NA		15.4		9.19		24.4		10.7		4.86		4.5		287		121		10.4		11.1		4.43		8.39		11.1		8.64
18540-29-9	Chromium, hexavalent	METAL	94		< 0.45		< 0.42		0.98		< 0.45		< 0.48		< 0.43		< 0.45		2.08		< 0.42		< 0.43		< 0.46		< 0.44		< 0.44		< 0.47
16065-83-1	Chromium, trivalent	METAL	190,000		15.4		9.19		23.4		10.7		4.86		4.5		287		119		10.4		11.1		4.43		8.39		11.1		8.64
7440-48-4	Cobalt, Co	METAL	8.1		4.74		2.81		3.55		3.84		1.25		1.26		34.8		28.1		2.02		3.48		1.55		1.81		4.44		4.19
7440-50-8	Copper, Cu	METAL	8,200		21.7		13.3		29.6		16.6		4.21		1.57		2930		8320		6.45		15.6		3.18		6.59		18.5		17.6
57-12-5	Cyanide	METAL	200		< 0.56		< 0.55		< 0.53		< 0.56		< 0.60		0.66		1.32		0.63		4.16		< 0.54		< 0.54		< 0.51		< 0.56		< 0.58
7439-89-6	Iron, Fe	METAL	NA		9370		7110		10200		6440		2740		2710		96000		45300		4650		7310		2980		4800		12100		7930
7439-92-1	Lead, Pb	METAL	450		93.6		42.2		238		61		30.6		19.3		505		594		39.6		54.4		12.3		13.2		50.9		35.2
7439-96-5	Manganese, Mn	METAL	31,000		146		110		148		103		35.4		30.2		570		336		53.8		125		34.3		50.6		138		110
7439-97-6	Mercury, Hg	METAL	10		0.25		0.15		0.21		0.09		< 0.03		0.05		0.1		0.09		< 0.03		0.09		0.08		< 0.03		0.1		0.65
7440-02-0	Nickel, Ni	METAL	650		17.7		11.7		16.2		12.2		4.13		4.13		151		82.8		7.56		14.1		4.95		6.67		11		10.3
7782-49-2	Selenium, Se	METAL	26		< 1.4		< 1.4		< 1.6		< 1.6		< 1.6		< 1.4		< 1.6		< 1.5		< 1.3		< 1.4		< 1.6		< 1.5		< 1.3		< 1.4
7440-22-4	Silver, Ag	METAL	84		< 0.35		< 0.34		< 0.39		< 0.40		< 0.39		< 0.35		0.63		2.28		< 0.33		< 0.35		< 0.40		< 0.38		< 0.33		< 0.34
7440-28-0	Thallium, Ti	METAL	14		< 3.2		< 3.1		< 3.5		< 3.6		< 3.5		< 3.2		< 3.7		< 3.5		< 2.9		< 3.1		< 3.6		< 3.4		< 3.0		< 3.1
7440-62-2	Vanadium, V	METAL	1,500		18.6		12.1		16.1		9.98		6.21		4.55		31.3		22.5		7.45		10.4		5.18		6.57		14.6		11.3
7440-66-6	Zinc, Zn	METAL	12,000		91		52.3		495		97.5		30.5		16.4		1030		600		50		51.4		23.4		16		109		51
	pH	pH	NA		12		11.69		11.94		9.36		10.75		9.39		8.14		8.44		9.07		9.61		9.07		10.26		10.51		9.48
	TPH	TPH	NA		<55		<54		<58		<56		<60		< 54		660		280		< 55		<53		<58		< 54		<54		<57

Notes: Shaded values indicate an exceedance of PA Clean Fill Standard.

Notes
ug/kg = micrograms per kilogram (ppb)
mg/kg = milligrams per kilogram (ppm)
ug/L = micrograms per liter
mg/L = milligrams per liter

Table 5: Sample Results in Comparison with PADEP Clean Fill Standard
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	PA Clean Fill Standards	WC 36 2-3	WC 36 COMP	WC 37 4-5	WC 37 COMP	WC 38 1-2	WC 38 COMP	WC 39 2-3	WC 39 COMP	WC 40 1-2	WC 40 COMP	WC 41 1-2	WC 41 COMP	WC 42 1-2	WC 42 COMP	WC 43 1-2	WC 43 COMP	WC 44 1-2	WC 44 COMP	WC 45 2-3	WC 45 COMP	DUP WC 45 2-3	DUP WC 45 COMP	WC 46 2-3	WC 46 COMP	WC 47 2-3	WC 47 COMP	WC 48 2-3	WC 48 COMP
	Lab Sample ID			BH68761	BH68762	BH70548	BH70549	BH70550	BH70551	BH70950	BH70951	BH69798	BH69799	BH68759	BH68760	BH70544	BH70545	BH70552	BH70553	BH70570	BH70571	BH70566	BH70567	BH70568	BH70569	BH68757	BH68758	BH70546	BH70547	BH70542	BH70543
	Date			1/29/2015	1/29/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	1/29/2015	1/29/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015
	Unit			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
630-20-6	1,1,1,2-Tetrachloroethane	VOC	18,000	< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4	
71-55-6	1,1,1-Trichloroethane	VOC	7,200	< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4	
79-34-5	1,1,2,2-Tetrachloroethane	VOC	9.3	< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4	
79-00-5	1,1,2-Trichloroethane	VOC	150	< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4	
92-52-4	1-1- Biphenyl	SVOC	790,000		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250		< 260
75-34-3	1,1-Dichloroethane	VOC	650	< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4	
75-35-4	1,1-Dichloroethene	VOC	190	< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4	
95-63-6	1,2,4-Trimethylbenzene	VOC	9,000	< 250		< 3.3		< 250		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3		< 2.2		< 3.4	
96-12-8	1,2-Dibromo-3-Chloropropane	VOC	9.2	< 250		< 3.3		< 80		< 3.0		< 80		< 2.6		< 4.9		< 2.3		< 80		< 80		< 80		< 2.3		< 2.2		< 3.4	
106-93-4	1,2-Dibromoethane	VOC	1.2	< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4	
95-50-1	1,2-Dichlorobenzene	VOC	59,000	< 250		< 3.3		< 250		< 3.0		< 640		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3		< 2.2		< 3.4	
107-06-2	1,2-Dichloroethane	VOC	100	< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4	
78-87-5	1,2-Dichloropropane	VOC	110	< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4	
108-67-8	1,3,5-Trimethylbenzene	VOC	2,800	< 250		< 3.3		< 250		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3		< 2.2		< 3.4	
541-73-1	1,3-Dichlorobenzene	VOC	61,000	< 250		< 3.3		< 250		< 3.0		< 640		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3		< 2.2		< 3.4	
106-46-7	1,4-Dichlorobenzene	VOC	10,000	< 250		< 3.3		< 250		< 3.0		< 640		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3		< 2.2		< 3.4	
123-91-1	1,4-Dioxane	VOC	73	< 47		< 65		< 52		< 60		< 83		< 51		< 97		< 45		< 48		< 100		< 86		< 46		< 44		< 67	
78-93-3	2-Butanone	VOC	54,000	< 14		< 20		< 16		< 18		< 25		< 15		< 29		< 14		< 14		< 35		< 26		< 14		< 13		< 20	
108-10-1	4-Methyl-2-Pentanone	VOC	2900	< 12		< 16		< 13		< 15		< 21		< 13		< 24		< 11		< 12		< 29		< 22		< 12		< 11		< 17	
67-64-1	Acetone	VOC	41,000	2.6		< 33		3.6		< 30		< 42		< 26		< 49		6.5		< 24		< 50		< 43		4.2		< 22		< 34	
107-02-8	Acrolein	VOC	0.62	< 12		< 16		< 13		< 15		< 21		< 13		< 24		< 11		< 12		< 29		< 22		< 12		< 11		< 17	
107-13-1	Acrylonitrile	VOC	8.7	< 4.7		< 6.5		< 5.2		< 6.0		< 8.3		< 5.1		< 9.7		< 4.5		< 4.8		< 12		< 8.6		< 4.6		< 4.4		< 6.7	
71-43-2	Benzene	VOC	130	66		< 3.3		< 2.6		< 3.0		0.97		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4	
92-87-5	Benzidine	SVOC	NA		< 570		< 540		< 2700		< 560		< 560		< 2600		< 700		< 550		< 560		< 560		< 570		< 540		< 550		< 550
74-97-5	Bromochloromethane	VOC	1,600	< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4	
75-27-4	Bromodichloromethane	VOC	3,400	< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4	
75-25-2	Bromoform	VOC	4,400	< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4	
74-83-9	Bromomethane	VOC	540	< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4	
75-15-0	Carbon Disulfide	VOC	160,000	< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4	
56-23-5	Carbon Tetrachloride	VOC	260	< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4	
108-90-7	Chlorobenzene	VOC	6,100	< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4	
124-48-1	Chlorodibromomethane	VOC	3,200	< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4	
75-00-3	Chloroethane	VOC	5,000	< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4	
67-66-3	Chloroform	VOC	2,500	< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4	
74-87-3	Chloromethane	VOC	38	< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4	
156-59-2	cis-1,2-Dichloroethene	VOC	1,600	< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4	
74-95-3	Dibromomethane	VOC	3,700																												
75-71-8	Dichlorodifluoromethane	VOC	100,000	< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4	
100-41-4	Ethylbenzene	VOC	46,000	< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4	
98-82-8	Isopropylbenzene	VOC	780,000	< 250		< 3.3		< 250		< 3.0		< 640		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3		< 2.2		< 3.4	
75-09-2	Methylene Chloride	VOC	76	< 2.4		1.7		1.5		0.76		< 4.2		< 2.6		1.5		1		0.72		2.4		1.1		< 2.3		0.57		2	
1634-04-4	Methyl Tert-Butyl Ether	VOC	280	< 4.7		< 6.5		< 5.2		< 6.0		< 8.3		< 5.1		< 9.7		< 4.5		< 4.8		< 12		< 8.6		< 4.6		< 4.4		< 6.7	
91-20-3	Naphthalene	SVOC	25,000		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		130		< 250		< 250		< 260
104-51-8	n-Butylbenzene	VOC	950,000	< 250		< 3.3		< 250		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3		< 2.2		< 3.4	
103-65-1	n-Propylbenzene	VOC	290,000	< 250		< 3.3		< 250		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3		< 2.2		< 3.4	
99-87-6	p-Isoproplytoluene	VOC	NA	< 250		< 3.3		< 250		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3		< 2.2		< 3.4	
135-98-8	sec-Butylbenzene	VOC	350,000	< 250		< 3.3		< 250		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3		< 2.2		< 3.4	
100-42-5	Styrene	VOC	24,000	< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4	
98-06-6	tert-Butylbenzene	VOC	270,000	< 250		< 3.3		< 250		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3		< 2.2		< 3.4	
75-65-0	Tertiary Butyl Alcohol	VOC	NA	< 47		< 65		< 52		< 60		< 83		< 51		< 97		< 45		< 48		< 120		< 86		< 46		< 44		< 67	
127-18-4	Tetrachloroethene	VOC	430	< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4	
108-88-3	Toluene	VOC	44,000	140		< 3.3		< 2.6		< 3.0		200		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4	
1330-20-7	Total Xylenes	VOC	990,000	< 250		< 3.3		< 2.6		< 3.0		550		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4	
156-60-5	trans-1,2-Dichloroethene	VOC	2,300	< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4	
79-01-6	Trichloroethene	VOC	170	< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4	
75-69-4	Trichlorofluoromethane	VOC	87,000	< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4	
108-05-4	Vinyl Acetate	VOC	6,500	< 24		< 33		< 26		< 30		< 42		< 26		< 49		< 23		< 24		< 59		< 43		< 23		< 22		< 34	
75-01-4	Vinyl Chloride	VOC	30	< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3		< 2.2		< 3.4	

Table 5: Sample Results in Comparison with PADEP Clean Fill Standard
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	PA Clean Fill Standards	WC 36 2-3	WC 36 COMP	WC 37 4-5	WC 37 COMP	WC 38 1-2	WC 38 COMP	WC 39 2-3	WC 39 COMP	WC 40 1-2	WC 40 COMP	WC 41 1-2	WC 41 COMP	WC 42 1-2	WC 42 COMP	WC 43 1-2	WC 43 COMP	WC 44 1-2	WC 44 COMP	WC 45 2-3	WC 45 COMP	DUP WC 45 2-3	DUP WC 45 COMP	WC 46 2-3	WC 46 COMP	WC 47 2-3	WC 47 COMP	WC 48 2-3	WC 48 COMP
	Lab Sample ID			BH68761	BH68762	BH70548	BH70549	BH70550	BH70551	BH70950	BH70951	BH69798	BH69799	BH68759	BH68760	BH70544	BH70545	BH70552	BH70553	BH70570	BH70571	BH70566	BH70567	BH70568	BH70569	BH68757	BH68758	BH70546	BH70547	BH70542	BH70543
	Date			1/29/2015	1/29/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	1/29/2015	1/29/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015
	Unit			ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
87-68-3	Hexachlorobutadiene	SVOC	1,200		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250		< 260
122-66-7	1,2- Diphenylhydrazine	SVOC	150		< 380		< 360		< 1800		< 370		< 370		< 1800		< 700		< 370		< 370		< 370		< 380		< 360		< 360		< 360
120-82-1	1,2,4-Trichlorobenzene	VOC	27,000	< 250		< 3.3		< 250		< 3.0		< 640		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3		< 2.2		< 3.4	
95-94-3	1,2,4,5-Tetrachlorobenzene	SVOC	5,100		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250		< 260
58-90-2	2,3,4,6-Tetrachlorophenol	SVOC	450,000		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250		< 260
95-95-4	2,4,5-Trichlorophenol	SVOC	2,300,000		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250		< 260
88-06-2	2,4,6-Trichlorophenol	SVOC	3,100		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140		< 150		< 150
102-83-2	2,4-Dichlorophenol	SVOC	1,000		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140		< 150		< 150
105-67-9	2,4-Dimethylphenol	SVOC	32,000		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250		< 260
51-28-5	2,4-Dinitrophenol	SVOC	210		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250		< 260
121-14-2	2,4-Dinitrotoluene	SVOC	50		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140		< 150		< 150
606-20-2	2,6-Dinitrotoluene	SVOC	1,100		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140		< 150		< 150
91-58-7	2-Chloronaphthalene	SVOC	6,200,000		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250		< 260
95-57-8	2-Chlorophenol	SVOC	4,400		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250		< 260
91-57-6	2-Methylnaphthalene	SVOC	2,900,000		< 260		< 250		< 1200		< 260		120		< 1200		< 510		< 260		< 260		< 260		120		< 250		< 250		< 260
95-48-7	2-Methylphenol	SVOC	64,000		< 260		< 250		< 1200		< 260		< 260		< 1200		< 330		< 260		< 260		< 260		< 270		< 250		< 250		< 260
88-74-4	2-Nitroaniline	SVOC	38		< 1900		< 1800		< 8900		< 1900		< 1900		< 8800		< 3600		< 1800		< 1900		< 1900		< 1900		< 1800		< 1800		< 1800
88-75-5	2-Nitrophenol	SVOC	5,900		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250		< 260
91-94-1	3,3-Dichlorobenzidine	SVOC	8,300		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140		< 150		< 150
99-09-2	3-Nitroaniline	SVOC	33		< 1900		< 1800		< 8900		< 1900		< 1900		< 8800		< 3600		< 1800		< 1900		< 1900		< 1900		< 1800		< 1800		< 1800
534-52-1	4,6-Dinitro-2-methylphenol	SVOC	NA		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250		< 260
59-50-7	4-Chloro-3-methylphenol	SVOC	37,000		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250		< 260
106-47-8	4-Chloroaniline	SVOC	19,000		< 760		< 720		< 3600		< 750		< 750		< 3500		< 1500		< 730		< 750		< 750		< 760		< 720		< 730		< 730
100-01-6	4-Nitroaniline	SVOC	31		< 1900		< 1800		< 8900		< 1900		< 1900		< 8800		< 3600		< 1800		< 1900		< 1900		< 1900		< 1800		< 1800		< 1800
100-02-7	4-Nitrophenol	SVOC	4,100		< 1900		< 1800		< 8900		< 1900		< 1900		< 8800		< 3600		< 1800		< 1900		< 1900		< 1900		< 1800		< 1800		< 1800
83-32-9	Acenaphthene	SVOC	2,700,000		< 260		< 250		< 1200		440		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250		180
208-96-8	Acenaphthylene	SVOC	2,500,000		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140		< 150		< 150
98-86-2	Acetophenone	SVOC	200,000		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250		< 260
62-53-3	Aniline	SVOC	160		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330
120-12-7	Anthracene	SVOC	350,000		< 260		< 250		< 1200		1200		< 260		810		< 510		< 260		300		< 260		250		< 250		130		480
1912-24-9	Atrazine	SVOC	130		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140		< 150		< 150
100-52-7	Benzaldehyde	SVOC	NA		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250		< 260
56-55-3	Benzo-a-Anthracene	SVOC	25,000		490		190		620		3100		190		5000		< 510		< 260		830		180		710		140		340		1200
50-32-8	Benzo-a-Pyrene	SVOC	2,500		530		190		< 710		2500		200		4300		< 200		< 150		780		180		640		130		300		930
205-99-2	Benzo-b-Fluoranthene	SVOC	25,000		680		260		650		4200		270		5800		300		130		1100		270		930		190		410		1200
207-08-9	Benzo-k-Fluoranthene	SVOC	250,000		230		< 250		< 1200		1300		< 260		2000		< 510		< 260		380		< 260		330		< 250		160		440
191-24-2	Benzo-g,h,i-Perylene	SVOC	180,000		390		< 250		< 1200		640		160		2000		< 510		< 260		390		120		350		< 250		140		490
65-85-0	Benzoic Acid	SVOC	2,900,000		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330
100-51-6	Benzyl Alcohol	SVOC	400,000		< 380		< 360		< 1800		< 370		< 370		< 1800		< 730		< 370		< 370		< 370		< 380		< 360		< 360		< 360
111-44-4	Bis(2-Chloroethyl)ether	SVOC	3.9		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140		< 150		< 150
108-60-1	Bis(2-Chloroisopropyl)ether	SVOC	8,000		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250		< 260
117-81-7	Bis(2-Ethylhexyl)Phthalate	SVOC	130,000		< 260		< 250		< 1200		940		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250		< 260
85-68-7	Butylbenzylphthalate	SVOC	10,000,000		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250		< 260
105-60-2	Caprolactam	SVOC	NA		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250		< 260
86-74-8	Carbazole	SVOC	21,000		< 1900		< 1800		< 8900		820		< 1900		< 8800		< 3600		< 1800		< 1900		< 1900		< 1900		< 1800		< 1800		< 1800
218-01-9	Chrysene	SVOC	230,000		550		220		620		2800		230		4800		< 510		< 260		910		230		840		160		370		1200
75-99-0	Dalapon	SVOC	5,300		< 47		< 46		< 45		< 48		< 46		< 45		< 46		< 46		< 46		< 47		< 47		< 45		< 47		< 45
132-64-9	Dibenzofuran	SVOC	NA		< 260		< 250		< 1200		240		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250		< 260
53-70-3	Dibenzo-a,h-Anthracene	SVOC	2,500		< 150		< 140		< 710		< 150		< 150		< 700		< 200		< 150		< 150		< 150		< 150		< 140		< 150		120
84-66-2	Diethyl Phthalate	SVOC	160,000		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250		< 260
131-11-3	Dimethyl Phthalate	SVOC	NA		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250		< 260
84-74-2	Di-n-Butyl Phthalate	SVOC	1,500,000		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250		< 260
117-84-0	Di-n-Octyl Phthalate	SVOC	4,400,000		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250		< 260
206-44-0	Fluoranthene	SVOC	3,200,000		880		330		1300		5500		340		7200		480		180		1500		410		1800		230		690		2600
86-73-7	Fluorene	SVOC	3,000,000		< 260		< 250		< 1200		420		< 260		< 1200		< 510		< 260		< 260		< 260		130		< 250		< 250		180
118-74-1	Hexachlorobenzene	SVOC	960		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140		< 150		< 150
77-47-4	Hexachlorocyclopentadiene	SVOC	91,000		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250		< 260
67-72-1	Hexachloroethane	SVOC	560		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140		< 150		< 150
193-39-5	Indeno(1,2,3-cd)Pyrene	SVOC	25,000		410		< 250		< 1200		620		140		2300		< 500		< 260		440		130		410		< 250		160		530
78-59-1	Isophorone	SVOC	1,900		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140		< 150		< 150
98-95-3	Nitrobenzene	SVOC	790		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140		< 150		< 150
62-75-9	N-Nitrosodimethylamine	SVOC	0.41		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250		< 260
621-64-7	N-Nitroso-di-n-Propylamine	SVOC	1.3		< 150		< 140		< 710		< 150		< 150		< 700		< 200		< 150		< 150		< 150		< 150		< 140		< 150		< 150
86-30-6	N-Nitrosodiphenylamine	SVOC	20,000		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140		< 150		< 150
87-86-5	Pentachlorophenol	SVOC	5,000		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250		< 250		< 260
85-01-8	Phenanthrene	SVOC	10,000,000		730		260		800		4000		310		3000		280		130		960		260		1500		180		520		2000
108-95-2	Phenol	SVOC	66,000		< 260		< 250		< 1200		< 260		< 260		< 1200		< 330		< 260		< 260		< 260		< 270		< 250		< 250		< 260
129-00-0	Pyrene	SVOC	2,200,000		750		290		1200		4900		270		6200		460		160		1400		360		1400		190		580		2100

Table 5: Sample Results in Comparison with PADEP Clean Fill Standard
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	PA Clean Fill Standards	WC 36 2-3	WC 36 COMP	WC 37 4-5	WC 37 COMP	WC 38 1-2	WC 38 COMP	WC 39 2-3	WC 39 COMP	WC 40 1-2	WC 40 COMP	WC 41 1-2	WC 41 COMP	WC 42 1-2	WC 42 COMP	WC 43 1-2	WC 43 COMP	WC 44 1-2	WC 44 COMP	WC 45 2-3	WC 45 COMP	DUP WC 45 2-3	DUP WC 45 COMP	WC 46 2-3	WC 46 COMP	WC 47 2-3	WC 47 COMP	WC 48 2-3	WC 48 COMP
	Lab Sample ID			BH68761	BH68762	BH70548	BH70549	BH70550	BH70551	BH70950	BH70951	BH69798	BH69799	BH68759	BH68760	BH70544	BH70545	BH70552	BH70553	BH70570	BH70571	BH70566	BH70567	BH70568	BH70569	BH68757	BH68758	BH70546	BH70547	BH70542	BH70543
	Date			1/29/2015	1/29/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	1/29/2015	1/29/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015
	Unit		ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
93-76-5	2,4,5-T	HERBICIDE	1,500		< 47		< 46		< 45		< 48		< 46		< 45		< 46		< 46		< 46		< 47		< 47		< 45		< 47		< 45
93-72-1	2,4,5-TP Acid	PESTICIDE	22,000		< 47		< 46		< 45		< 48		< 46		< 45		< 46		< 46		< 46		< 47		< 47		< 45		< 47		< 45
94-75-7	2,4-D	HERBICIDE	18,000		< 47		< 46		< 45		< 48		< 46		< 45		< 46		< 46		< 46		< 47		< 47		< 45		< 47		< 45
72-54-8	4,4-DDD	PESTICIDE	6,800		< 2.2		< 2.2		< 2.1		< 2.3		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2		< 2.1		< 2.2		< 2.1
72-55-9	4,4-DDE	PESTICIDE	41,000		< 2.2		< 2.2		< 2.1		< 2.3		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2		< 2.1		< 2.2		< 2.1
50-29-3	4,4-DDT	PESTICIDE	53,000		< 2.2		< 2.2		< 2.1		< 2.3		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2		< 2.1		< 2.2		< 2.1
309-00-2	Aldrin	PESTICIDE	100		< 3.7		< 3.7		< 3.6		< 3.8		< 3.7		< 3.6		< 3.6		< 3.6		< 3.6		< 3.7		< 3.7		< 3.6		< 3.7		< 3.6
319-84-6	alpha-BHC	PESTICIDE	46		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5		< 7.1		< 7.5		< 7.1
5103-71-9	Alpha Chlordane	PESTICIDE	NA		< 3.7		11		< 3.6		< 3.8		< 3.7		< 3.6		< 3.6		< 3.6		< 3.6		< 3.7		< 3.7		< 3.6		< 3.7		< 3.6
12674-11-2	Aroclor 1016	PCB	15,000		< 75		< 74		< 72		870		< 73		< 72		< 73		< 73		< 73		< 74		< 75		< 71		< 75		< 71
1104-28-2	Aroclor 1221	PCB	630		< 75		< 74		< 72		< 75		< 73		< 72		< 73		< 73		< 73		< 74		< 75		< 71		< 75		< 71
11141-16-5	Aroclor 1232	PCB	500		< 75		< 74		< 72		< 75		< 73		< 72		< 73		< 73		< 73		< 74		< 75		< 71		< 75		< 71
53469-21-9	Aroclor 1242	PCB	16,000		< 75		< 74		< 72		< 75		< 73		< 72		< 73		< 73		< 73		< 74		< 75		< 71		< 75		< 71
12672-29-6	Aroclor 1248	PCB	9,900		< 75		< 74		< 72		< 75		< 73		< 72		< 73		< 73		< 73		< 74		< 75		< 71		< 75		< 71
11097-69-1	Aroclor 1254	PCB	4,400		< 75		< 74		< 72		< 75		< 73		< 72		< 73		< 73		< 73		< 74		< 75		< 71		< 75		< 71
11096-82-5	Aroclor 1260	PCB	30,000		< 75		< 74		< 72		< 75		< 73		< 72		< 73		< 73		< 73		< 74		< 75		< 71		< 75		< 71
11096-82-5	Aroclor 1262	PCB	NA		< 75		< 74		< 72		< 75		< 73		< 72		< 73		< 73		< 73		< 74		< 75		< 71		< 75		< 71
37324-23-5	Aroclor 1268	PCB	NA		< 75		< 74		< 72		< 75		< 73		< 72		< 73		< 73		< 73		< 74		< 75		< 71		< 75		< 71
319-85-7	beta-BHC	PESTICIDE	220		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5		< 7.1		< 7.5		< 7.1
57-74-9	Chlordane	PESTICIDE	49,000		< 37		71		< 36		< 38		< 37		< 36		< 36		< 36		< 36		< 37		< 37		< 36		< 37		< 36
319-86-8	delta-BHC	PESTICIDE	11,000		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5		< 7.1		< 7.5		< 7.1
1918-00-9	Dicamba	HERBICIDE	NA		< 94		< 92		< 90		< 96		< 93		< 89		< 93		< 93		< 92		< 94		< 95		< 90		< 93		< 91
60-57-1	Dieldrin	PESTICIDE	110		< 3.7		< 3.7		< 3.6		< 3.8		< 3.7		< 3.6		< 3.6		< 3.6		< 3.6		< 3.7		< 3.7		< 3.6		< 3.7		< 3.6
115-29-7	Endosulfan	PESTICIDE	30,000		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5		< 7.1		< 7.5		< 7.1
959-98-8	Endosulfan I	PESTICIDE	110,000		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5		< 7.1		< 7.5		< 7.1
33213-65-9	Endosulfan II	PESTICIDE	130,000		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5		< 7.1		< 7.5		< 7.1
1031-07-8	Endosulfan Sulfate	PESTICIDE	70,000		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5		< 7.1		< 7.5		< 7.1
72-20-8	Endrin	PESTICIDE	5,500		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5		< 7.1		< 7.5		< 7.1
58-89-9	gamma-BHC	PESTICIDE	72		< 1.5		< 1.5		< 1.4		< 10		< 1.5		< 1.4		< 1.5		< 1.5		< 1.5		< 1.5		< 1.5		< 1.4		< 1.5		< 1.4
5103-74-2	Gamma Chlordane	PESTICIDE	NA		< 3.7		11		< 3.6		< 3.8		< 3.7		< 3.6		< 3.6		< 3.6		< 3.6		< 3.7		< 3.7		< 3.6		< 3.7		< 3.6
76-44-8	Heptachlor	PESTICIDE	680		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5		< 7.1		< 7.5		< 7.1
1024-57-3	Heptachlor Epoxide	PESTICIDE	1,100		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5		< 7.1		< 7.5		< 7.1
72-43-5	Methoxychlor	PESTICIDE	630,000		< 37		< 37		< 36		< 38		< 37		< 36		< 36		< 36		< 36		< 37		< 37		< 36		< 37		< 36
56-38-2	Parathion	PESTICIDE	130,000		< 380		< 5		< 5		< 370		< 370		< 350		< 5		< 5		< 5		< 5		< 5		< 360		< 5		< 5
1336-36-3	Polychlorinated Biphenyls	PESTICIDE	NA		0		0		0		870		0		0		0		0		0		0		0		0		0		0
8001-35-2	Toxaphene	PESTICIDE	1,200		< 150		< 150		< 140		< 150		< 150		< 140		< 150		< 150		< 150		< 150		< 150		< 140		< 150		< 140
	Unit		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
7429-90-5	Aluminum, Al	METAL	NA		2900		4000		5020		10100		2110		2130		5970		3690		2470		3150		1890		2150		6880		7110
7440-36-0	Antimony, Sb	METAL	27		< 3.7		< 3.5		< 3.8		< 10		< 3.8		< 3.3		< 3.3		< 3.5		< 3.5		< 4.1		< 3.5		< 3.7		< 3.5		< 3.4
7440-38-2	Arsenic, As	METAL	20		4		2.6		5		4.5		2.2		2.6		4.9		2.3		3.1		3.5		4.2		2.1		3.9		4.8
7440-39-3	Barium, Ba	METAL	8,200		82.5		37.5		46.1		96.1		30.2		110		59.3		29.2		128		94.9		111		38.7		244		154
7440-41-7	Beryllium, Be	METAL	320		< 0.30		< 0.28		0.31		0.35		< 0.31		< 0.26		0.34		< 0.28		< 0.28		< 0.32		< 0.28		< 0.30		0.9		0.43
7440-43-9	Cadmium, Cd	METAL	38		< 0.37		0.87		0.67		20.6		< 0.38		< 0.33		< 0.33		0.6		0.64		< 0.41		< 0.35		< 0.37		0.4		< 0.34
7440-47-3	Chromium, Cr	METAL	NA		9.27		13.2		14.7		58.9		7.2		7.11		14.5		10.6		10.7		8.61		7.92		7.2		15.6		15.9
18540-29-9	Chromium, hexavalent	METAL	94		< 0.45		< 0.43		< 0.42		1.14		< 0.45		< 0.43		< 0.45		< 0.45		< 0.45		< 0.45		< 0.46		< 0.43		< 0.45		< 0.46
16065-83-1	Chromium, trivalent	METAL	190,000		9.27		13.2		14.7		57.8		7.2		7.11		14.5		10.6		10.7		8.61		7.92		7.2		15.6		15.9
7440-48-4	Cobalt, Co	METAL	8.1		4.14		4.26		6.14		4.65		1.9		1.8		4.81		3.44		2.34		2.79		2.38		1.92		6.34		9.25
7440-50-8	Copper, Cu	METAL	8,200		23.2		21.7		55.2		59.9		11		25.5		16.2		14.4		73.1		39.1		31.9		18.4		35.8		24.4
57-12-5	Cyanide	METAL	200		< 0.57		< 0.51		< 0.54		< 0.57		< 0.56		< 0.54		< 0.56		< 0.51		< 0.47		< 0.57		< 0.57		< 0.49		< 0.56		< 0.55
7439-89-6	Iron, Fe	METAL	NA		7140		8860		12300		15400		4820		4260		10800		8870		7540		5960		6210		4600		10900		16200
7439-92-1	Lead, Pb	METAL	450		188		65.4		88.5		712		72.6		212		57.8		41.8		253		207		212		84.8		70.4		53.4
7439-96-5	Manganese, Mn	METAL	31,000		114		136		333		217		54.7		61.8		234		113		101		98.2		64.1		66.5		247		223
7439-97-6	Mercury, Hg	METAL	10		0.1		0.05		0.09		0.4		0.08		0.42		0.21		0.07		0.48		0.53		0.18		0.2		0.09		0.07
7440-02-0	Nickel, Ni	METAL	650		9.85		18.6		22.3		23.1		6.29		6.31		19.8		16.6		9.81		9.78		7.95		6.11		29.3		58.7
7782-49-2	Selenium, Se	METAL	26		< 1.5		< 1.4		< 1.5		< 1.6		< 1.5		< 1.3		< 1.3		< 1.4		< 1.4		< 1.6		< 1.4		< 1.5		< 1.4		< 1.4
7440-22-4	Silver, Ag	METAL	84		< 0.37		< 0.35		< 0.38		< 1.0		< 0.38		< 0.33		< 0.33		< 0.35		< 0.35		< 0.41		< 0.35		< 0.37		< 0.35		< 0.34
7440-28-0	Thallium, Ti	METAL	14		< 3.4		< 3.1		< 3.4		< 3.5		< 3.5		< 2.9		< 3.0		< 3.1		< 3.2		< 3.7		< 3.1		< 3.4		< 3.2		< 3.1
7440-62-2	Vanadium, V	METAL	1,500		12.6		13.1		20.2		25		6.69		7.51		17.5		11.2		9.11		12.7		9.61		7.57		20.4		21.6
7440-66-6	Zinc, Zn	METAL	12,000		102		102		95.6		840		57.6		188		75.9		64.7		236		164		153		84.3		79.3		69.2
	pH	pH	NA		10.52		9.48		9.11		11.2		9.01		11.09		10.29		11.73		9.03		9.02		8.91		10.92		9.2		8.62
	TPH	TPH	NA		< 56		< 55		58		75		<56		< 53		< 55		< 55		< 55		< 57		< 56		< 53		< 55		< 54

Notes: Shaded values indicate an exceedance of PA Clean Fill Standard.

Notes
ug/kg = micrograms per kilogram (ppb)
mg/kg = milligrams per kilogram (ppm)
ug/L = micrograms per liter
mg/L = milligrams per liter

Table 5: Sample Results in Comparison with PADEP Clean Fill Standard
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	PA Clean Fill Standards	WC 49 1-2	WC 49 COMP	WC 50 2-3	WC 50 COMP	WC 51 2-3	WC 51 COMP	DUP WC 51 2-3	DUP WC 51 COMP	WC 52 2-3 GRAB	WC 52 2-3 COMP	WC 53 6-7 GRAB	WC 53 COMP	WC 54 3-4 GRAB	WC 54 COMP	WC 55 2-3	WC 55 COMP	WC 56 4-5 GRAB	WC 56 COMP	WC 57 2-3	WC 57 COMP
	Lab Sample ID			BH70560	BH70561	BH70558	BH70559	BH70554	BH70555	BH70556	BH70557	BH67409	BH67410	BH67413	BH67414	BH67415	BH67416	BH68755	BH68756	BH67411	BH67412	BH68753	BH68754
	Date			2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/29/2015	1/29/2015	1/26/2015	1/26/2015	1/29/2015	1/29/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
630-20-6	1,1,1,2-Tetrachloroethane	VOC	18,000	< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
71-55-6	1,1,1-Trichloroethane	VOC	7,200	< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
79-34-5	1,1,2,2-Tetrachloroethane	VOC	9.3	< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
79-00-5	1,1,2-Trichloroethane	VOC	150	< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
92-52-4	1-1- Biphenyl	SVOC	790,000		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
75-34-3	1,1-Dichloroethane	VOC	650	< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
75-35-4	1,1-Dichloroethene	VOC	190	< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
95-63-6	1,2,4-Trimethylbenzene	VOC	9,000	< 2.5		< 2.4		< 3.3		< 260		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
96-12-8	1,2-Dibromo-3-Chloropropane	VOC	9.2	< 2.5		< 2.4		< 3.3		< 80		< 80		< 2.6		< 2.3		< 260		< 80		< 260	
106-93-4	1,2-Dibromoethane	VOC	1.2	< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
95-50-1	1,2-Dichlorobenzene	VOC	59,000	< 2.5		< 2.4		< 3.3		< 260		< 230		< 2.6		< 2.3		< 260		< 250		< 260	
107-06-2	1,2-Dichloroethane	VOC	100	< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
78-87-5	1,2-Dichloropropane	VOC	110	< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
108-67-8	1,3,5-Trimethylbenzene	VOC	2,800	< 2.5		< 2.4		< 3.3		< 260		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
541-73-1	1,3-Dichlorobenzene	VOC	61,000	< 2.5		< 2.4		< 3.3		< 260		< 230		< 2.6		< 2.3		< 260		< 250		< 260	
106-46-7	1,4-Dichlorobenzene	VOC	10,000	< 2.5		< 2.4		< 3.3		< 260		< 230		< 2.6		< 2.3		< 260		< 250		< 260	
123-91-1	1,4-Dioxane	VOC	73	< 49		< 48		< 65		< 70		< 54		< 51		< 45		< 49		< 56		< 5200	
78-93-3	2-Butanone	VOC	54,000	< 15		< 14		< 20		< 21		< 16		< 15		< 14		< 15		< 17		< 1600	
108-10-1	4-Methyl-2-Pentanone	VOC	2900	< 12		< 12		< 16		< 18		< 14		< 13		< 11		< 12		< 14		< 1300	
67-64-1	Acetone	VOC	41,000	5.7		6.1		< 33		< 35		< 27		< 26		< 23		< 25		< 28		< 2600	
107-02-8	Acrolein	VOC	0.62	< 12		< 12		< 16		< 18		< 14		< 13		< 11		< 12		< 14		< 1300	
107-13-1	Acrylonitrile	VOC	8.7	< 4.9		< 4.8		< 6.5		< 7.0		< 5.4		< 5.1		< 4.5		< 4.9		< 5.6		< 520	
71-43-2	Benzene	VOC	130	< 2.5		0.56		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
92-87-5	Benzidine	SVOC	NA		< 560		< 560		< 540		< 530		< 550		< 1100		< 550		< 550		< 600		< 560
74-97-5	Bromochloromethane	VOC	1,600	< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
75-27-4	Bromodichloromethane	VOC	3,400	< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
75-25-2	Bromoform	VOC	4,400	< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
74-83-9	Bromomethane	VOC	540	< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
75-15-0	Carbon Disulfide	VOC	160,000	< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
56-23-5	Carbon Tetrachloride	VOC	260	< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
108-90-7	Chlorobenzene	VOC	6,100	< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
124-48-1	Chlorodibromomethane	VOC	3,200	< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
75-00-3	Chloroethane	VOC	5,000	< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
67-66-3	Chloroform	VOC	2,500	< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		0.55		< 2.5		< 2.8		94	
74-87-3	Chloromethane	VOC	38	< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
156-59-2	cis-1,2-Dichloroethene	VOC	1,600	< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
74-95-3	Dibromomethane	VOC	3,700																				
75-71-8	Dichlorodifluoromethane	VOC	100,000	< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
100-41-4	Ethylbenzene	VOC	46,000	< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
98-82-8	Isopropylbenzene	VOC	780,000	< 2.5		< 2.4		< 3.3		< 260		< 230		< 2.6		< 2.3		< 260		< 250		< 260	
75-09-2	Methylene Chloride	VOC	76	0.56		0.52		1		1.4		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		130	
1634-04-4	Methyl Tert-Butyl Ether	VOC	280	< 4.9		< 4.8		< 6.5		< 7.0		< 5.4		< 5.1		< 4.5		< 4.9		< 5.6		< 520	
91-20-3	Naphthalene	SVOC	25,000		220		< 260		< 250		< 250		140		< 500		< 260		< 260		160		< 260
104-51-8	n-Butylbenzene	VOC	950,000	< 2.5		< 2.4		< 3.3		< 260		< 230		< 2.6		< 2.3		< 260		< 250		< 260	
103-65-1	n-Propylbenzene	VOC	290,000	< 2.5		< 2.4		< 3.3		< 260		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
99-87-6	p-Isoproplytoluene	VOC	NA	< 2.5		< 2.4		< 3.3		< 260		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
135-98-8	sec-Butylbenzene	VOC	350,000	< 2.5		< 2.4		< 3.3		< 260		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
100-42-5	Styrene	VOC	24,000	< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
98-06-6	tert-Butylbenzene	VOC	270,000	< 2.5		< 2.4		< 3.3		< 260		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
75-65-0	Tertiary Butyl Alcohol	VOC	NA	< 49		< 48		< 65		< 70		< 54		< 51		< 45		< 49		< 56		< 5200	
127-18-4	Tetrachloroethene	VOC	430	< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
108-88-3	Toluene	VOC	44,000	< 2.5		< 2.4		< 3.3		0.9		< 2.7		< 2.6		< 2.3		< 2.5		0.52		< 260	
1330-20-7	Total Xylenes	VOC	990,000	< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
156-60-5	trans-1,2-Dichloroethene	VOC	2,300	< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
79-01-6	Trichloroethene	VOC	170	< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
75-69-4	Trichlorofluoromethane	VOC	87,000	< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
108-05-4	Vinyl Acetate	VOC	6,500	< 25		< 24		< 33		< 35		< 27		< 26		< 23		< 25		< 28		< 2600	
75-01-4	Vinyl Chloride	VOC	30	< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	

Table 5: Sample Results in Comparison with PADEP Clean Fill Standard
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	PA Clean Fill Standards	WC 49 1-2	WC 49 COMP	WC 50 2-3	WC 50 COMP	WC 51 2-3	WC 51 COMP	DUP WC 51 2-3	DUP WC 51 COMP	WC 52 2-3 GRAB	WC 52 2-3 COMP	WC 53 6-7 GRAB	WC 53 COMP	WC 54 3-4 GRAB	WC 54 COMP	WC 55 2-3	WC 55 COMP	WC 56 4-5 GRAB	WC 56 COMP	WC 57 2-3	WC 57 COMP
	Lab Sample ID			BH70560	BH70561	BH70558	BH70559	BH70554	BH70555	BH70556	BH70557	BH67409	BH67410	BH67413	BH67414	BH67415	BH67416	BH68755	BH68756	BH67411	BH67412	BH68753	BH68754
	Date			2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/29/2015	1/29/2015	1/26/2015	1/26/2015	1/29/2015	1/29/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
87-68-3	Hexachlorobutadiene	SVOC	1,200		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
122-66-7	1,2- Diphenylhydrazine	SVOC	150		< 370		< 370		< 360		< 360		< 370		< 710		< 370		< 370		< 400		< 370
120-82-1	1,2,4-Trichlorobenzene	VOC	27,000	< 2.5		< 2.4		< 3.3		< 260		< 230		< 2.6		< 2.3		< 260		< 250		< 260	
95-94-3	1,2,4,5-Tetrachlorobenzene	SVOC	5,100		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
58-90-2	2,3,4,6-Tetrachlorophenol	SVOC	450,000		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
95-95-4	2,4,5-Trichlorophenol	SVOC	2,300,000		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
88-06-2	2,4,6-Trichlorophenol	SVOC	3,100		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
102-83-2	2,4-Dichlorophenol	SVOC	1,000		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
105-67-9	2,4-Dimethylphenol	SVOC	32,000		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
51-28-5	2,4-Dinitrophenol	SVOC	210		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
121-14-2	2,4-Dinitrotoluene	SVOC	50		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
606-20-2	2,6-Dinitrotoluene	SVOC	1,100		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
91-58-7	2-Chloronaphthalene	SVOC	6,200,000		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
95-57-8	2-Chlorophenol	SVOC	4,400		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
91-57-6	2-Methylnaphthalene	SVOC	2,900,000		140		< 260		< 250		< 250		160		< 500		< 260		< 260		250		< 260
95-48-7	2-Methylphenol	SVOC	64,000		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
88-74-4	2-Nitroaniline	SVOC	38		< 1900		< 1900		< 1800		< 1800		< 1800		< 3600		< 1800		< 1800		< 2000		< 1900
88-75-5	2-Nitrophenol	SVOC	5,900		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
91-94-1	3,3-Dichlorobenzidine	SVOC	8,300		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
99-09-2	3-Nitroaniline	SVOC	33		< 1900		< 1900		< 1800		< 1800		< 1800		< 3600		< 1800		< 1800		< 2000		< 1900
534-52-1	4,6-Dinitro-2-methylphenol	SVOC	NA		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
59-50-7	4-Chloro-3-methylphenol	SVOC	37,000		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
106-47-8	4-Chloroaniline	SVOC	19,000		< 740		< 740		< 720		< 710		< 730		< 1400		< 740		< 740		< 790		< 740
100-01-6	4-Nitroaniline	SVOC	31		< 1900		< 1900		< 1800		< 1800		< 1800		< 3600		< 1800		< 1800		< 2000		< 1900
100-02-7	4-Nitrophenol	SVOC	4,100		< 1900		< 1900		< 1800		< 1800		< 1800		< 3600		< 1800		< 1800		< 2000		< 1900
83-32-9	Acenaphthene	SVOC	2,700,000		< 260		120		< 250		< 250		140		< 500		< 260		< 260		< 280		< 260
208-96-8	Acenaphthylene	SVOC	2,500,000		< 150		< 150		< 140		< 140		170		< 280		< 150		< 150		< 160		< 150
98-86-2	Acetophenone	SVOC	200,000		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
62-53-3	Aniline	SVOC	160		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330
120-12-7	Anthracene	SVOC	350,000		< 260		530		< 250		< 250		350		< 500		< 260		< 260		< 280		< 260
1912-24-9	Atrazine	SVOC	130		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
100-52-7	Benzaldehyde	SVOC	NA		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
56-55-3	Benzo-a-Anthracene	SVOC	25,000		320		790		< 250		< 250		1500		270		< 260		< 260		240		< 260
50-32-8	Benzo-a-Pyrene	SVOC	2,500		380		800		130		130		1300		270		< 150		< 150		210		< 150
205-99-2	Benzo-b-Fluoranthene	SVOC	25,000		520		1200		220		220		2200		430		130		< 260		340		< 260
207-08-9	Benzo-k-Fluoranthene	SVOC	250,000		220		410		< 250		< 250		940		< 500		< 260		< 260		150		< 260
191-24-2	Benzo-g,h,i-Perylene	SVOC	180,000		300		230		< 250		< 250		390		< 500		< 260		< 260		< 280		< 260
65-85-0	Benzoic Acid	SVOC	2,900,000		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330
100-51-6	Benzyl Alcohol	SVOC	400,000		< 370		< 370		< 360		< 360		< 370		< 710		< 370		< 370		< 400		< 370
111-44-4	Bis(2-Chloroethyl)ether	SVOC	3.9		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
108-60-1	Bis(2-Chloroisopropyl)ether	SVOC	8,000		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
117-81-7	Bis(2-Ethylhexyl)Phthalate	SVOC	130,000		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
85-68-7	Butylbenzylphthalate	SVOC	10,000,000		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
105-60-2	Caprolactam	SVOC	NA		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
86-74-8	Carbazole	SVOC	21,000		< 1900		< 1900		< 1800		< 1800		< 1800		< 3600		< 1800		< 1800		< 2000		< 1900
218-01-9	Chrysene	SVOC	230,000		490		1000		190		170		1700		300		< 260		< 260		270		< 260
75-99-0	Dalapon	SVOC	5,300		< 47		< 47		< 46		< 45		< 46		< 45		< 47		< 46		< 50		< 47
132-64-9	Dibenzofuran	SVOC	NA		< 260		< 260		< 250		< 250		130		< 500		< 260		< 260		< 280		< 260
53-70-3	Dibenzo-a,h-Anthracene	SVOC	2,500		< 150		< 150		< 140		< 140		120		< 280		< 150		< 150		< 160		< 150
84-66-2	Diethyl Phthalate	SVOC	160,000		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
131-11-3	Dimethyl Phthalate	SVOC	NA		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
84-74-2	Di-n-Butyl Phthalate	SVOC	1,500,000		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
117-84-0	Di-n-Octyl Phthalate	SVOC	4,400,000		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
206-44-0	Fluoranthene	SVOC	3,200,000		1200		1600		310		290		2500		370		150		< 260		330		< 260
86-73-7	Fluorene	SVOC	3,000,000		150		230		< 250		< 250		150		< 500		< 260		< 260		< 280		< 260
118-74-1	Hexachlorobenzene	SVOC	960		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
77-47-4	Hexachlorocyclopentadiene	SVOC	91,000		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
67-72-1	Hexachloroethane	SVOC	560		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
193-39-5	Indeno(1,2,3-cd)Pyrene	SVOC	25,000		260		< 260		< 250		< 250		500		< 500		< 260		< 260		< 280		< 260
78-59-1	Isophorone	SVOC	1,900		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
98-95-3	Nitrobenzene	SVOC	790		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
62-75-9	N-Nitrosodimethylamine	SVOC	0.41		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
621-64-7	N-Nitroso-di-n-Propylamine	SVOC	1.3		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
86-30-6	N-Nitrosodiphenylamine	SVOC	20,000		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
87-86-5	Pentachlorophenol	SVOC	5,000		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
85-01-8	Phenanthrene	SVOC	10,000,000		1200		2000		300		220		2500		< 280		110		< 150		390		< 150
108-95-2	Phenol	SVOC	66,000		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
129-00-0	Pyrene	SVOC	2,200,000		1000		1100		240		220		2000		320		140		< 260		340		< 260

Table 5: Sample Results in Comparison with PADEP Clean Fill Standard
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	PA Clean Fill Standards	WC 49 1-2	WC 49 COMP	WC 50 2-3	WC 50 COMP	WC 51 2-3	WC 51 COMP	DUP WC 51 2-3	DUP WC 51 COMP	WC 52 2-3 GRAB	WC 52 2-3 COMP	WC 53 6-7 GRAB	WC 53 COMP	WC 54 3-4 GRAB	WC 54 COMP	WC 55 2-3	WC 55 COMP	WC 56 4-5 GRAB	WC 56 COMP	WC 57 2-3	WC 57 COMP
	Lab Sample ID			BH70560	BH70561	BH70558	BH70559	BH70554	BH70555	BH70556	BH70557	BH67409	BH67410	BH67413	BH67414	BH67415	BH67416	BH68755	BH68756	BH67411	BH67412	BH68753	BH68754
	Date			2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/29/2015	1/29/2015	1/26/2015	1/26/2015	1/29/2015	1/29/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
93-76-5	2,4,5-T	HERBICIDE	1,500		< 47		< 47		< 46		< 45		< 46		< 45		< 47		< 46		< 50		< 47
93-72-1	2,4,5-TP Acid	PESTICIDE	22,000		< 47		< 47		< 46		< 45		< 46		< 45		< 47		< 46		< 50		< 47
94-75-7	2,4-D	HERBICIDE	18,000		< 47		< 47		< 46		< 45		< 46		< 45		< 47		< 46		< 50		< 47
72-54-8	4,4-DDD	PESTICIDE	6,800		< 2.2		7.6		< 2.2		< 2.2		< 2.2		< 2.1		< 2.3		< 2.2		< 2.4		< 2.3
72-55-9	4,4-DDE	PESTICIDE	41,000		< 2.2		4		< 2.2		< 2.2		< 2.2		< 2.1		< 2.3		4.5		< 2.4		< 2.3
50-29-3	4,4-DDT	PESTICIDE	53,000		< 2.2		5.7		< 2.2		< 2.2		< 2.2		< 2.1		< 2.3		11		< 2.4		< 2.3
309-00-2	Aldrin	PESTICIDE	100		< 3.7		< 3.8		< 3.6		< 3.6		< 3.7		< 3.6		< 3.8		< 3.6		< 4.0		< 3.8
319-84-6	alpha-BHC	PESTICIDE	46		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
5103-71-9	Alpha Chlordane	PESTICIDE	NA		< 3.7		< 3.8		< 3.6		< 3.6		< 3.7		< 3.6		< 3.8		< 3.6		< 4.0		< 3.8
12674-11-2	Aroclor 1016	PCB	15,000		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
1104-28-2	Aroclor 1221	PCB	630		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
11141-16-5	Aroclor 1232	PCB	500		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
53469-21-9	Aroclor 1242	PCB	16,000		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
12672-29-6	Aroclor 1248	PCB	9,900		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
11097-69-1	Aroclor 1254	PCB	4,400		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
11096-82-5	Aroclor 1260	PCB	30,000		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
11096-82-5	Aroclor 1262	PCB	NA		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
37324-23-5	Aroclor 1268	PCB	NA		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
319-85-7	beta-BHC	PESTICIDE	220		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
57-74-9	Chlordane	PESTICIDE	49,000		< 37		< 38		< 36		< 36		< 37		< 36		< 38		< 36		< 40		< 38
319-86-8	delta-BHC	PESTICIDE	11,000		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
1918-00-9	Dicamba	HERBICIDE	NA		< 94		< 94		< 91		< 90		< 92		< 89		< 94		< 92		< 99		< 93
60-57-1	Dieldrin	PESTICIDE	110		< 3.7		< 3.8		< 3.6		< 3.6		< 3.7		< 3.6		< 3.8		< 3.6		< 4.0		< 3.8
115-29-7	Endosulfan	PESTICIDE	30,000		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
959-98-8	Endosulfan I	PESTICIDE	110,000		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
33213-65-9	Endosulfan II	PESTICIDE	130,000		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
1031-07-8	Endosulfan Sulfate	PESTICIDE	70,000		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
72-20-8	Endrin	PESTICIDE	5,500		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
58-89-9	gamma-BHC	PESTICIDE	72		< 1.5		< 1.5		< 1.5		< 1.5		< 1.5		< 1.4		< 1.5		< 1.5		< 1.6		< 1.5
5103-74-2	Gamma Chlordane	PESTICIDE	NA		< 3.7		< 3.8		< 3.6		< 3.6		< 3.7		< 3.6		< 3.8		< 3.6		< 4.0		< 3.8
76-44-8	Heptachlor	PESTICIDE	680		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
1024-57-3	Heptachlor Epoxide	PESTICIDE	1,100		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
72-43-5	Methoxychlor	PESTICIDE	630,000		< 37		< 38		< 36		< 36		< 37		< 36		< 38		< 36		< 40		< 38
56-38-2	Parathion	PESTICIDE	130,000		< 370		< 5		< 5		< 5		< 330		< 330		< 330		< 370		< 330		< 370
1336-36-3	Polychlorinated Biphenyls	PESTICIDE	NA		0		0		0		0		0		0		0		0		0		0
8001-35-2	Toxaphene	PESTICIDE	1,200		< 150		< 150		< 150		< 150		< 150		< 140		< 150		< 150		< 160		< 150
	Unit		*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
7429-90-5	Aluminum, Al	METAL	NA		8340		3250		1380		1330		3190		3180		2110		1360		1830		1990
7440-36-0	Antimony, Sb	METAL	27		< 3.5		< 3.5		< 3.5		< 3.4		< 3.8		< 3.8		< 3.7		< 3.7		< 4.2		< 3.9
7440-38-2	Arsenic, As	METAL	20		4.2		3.5		1.3		2.4		3.5		3.2		2.1		1		4.6		1
7440-39-3	Barium, Ba	METAL	8,200		58.4		53.4		606		780		284		71.1		40.8		11.3		147		19.9
7440-41-7	Beryllium, Be	METAL	320		0.5		< 0.28		< 0.28		< 0.27		< 0.31		< 0.31		< 0.30		< 0.29		< 0.34		< 0.31
7440-43-9	Cadmium, Cd	METAL	38		< 0.35		< 0.35		< 0.35		0.52		< 0.38		< 0.38		0.37		< 0.37		1.16		< 0.39
7440-47-3	Chromium, Cr	METAL	NA		20.9		15.6		7.87		7.22		18.6		14		6.77		4.66		9.58		5.44
18540-29-9	Chromium, hexavalent	METAL	94		< 0.44		< 0.45		0.56		0.81		2.21		< 0.43		< 0.45		< 0.44		< 0.46		< 0.45
16065-83-1	Chromium, trivalent	METAL	190,000		20.9		15.6		7.31		6.41		16.4		14		6.77		4.66		9.58		5.44
7440-48-4	Cobalt, Co	METAL	8.1		7.53		4.02		1.36		1.61		3.46		3.31		2.17		1.27		2.71		2.91
7440-50-8	Copper, Cu	METAL	8,200		20.6		21.2		7.54		11.1		22.2		32.6		17.9		4.06		27.1		7.35
57-12-5	Cyanide	METAL	200		< 0.57		< 0.52		< 0.46		< 0.50		1.42		< 0.49		< 0.57		< 0.51		4.6		< 0.52
7439-89-6	Iron, Fe	METAL	NA		14200		9190		3060		4790		8670		6280		10400		2720		20200		3660
7439-92-1	Lead, Pb	METAL	450		72.4		162		306		566		370		161		91.6		35.7		373		16.2
7439-96-5	Manganese, Mn	METAL	31,000		212		151		44.5		77.6		124		102		94.8		34.8		169		66.1
7439-97-6	Mercury, Hg	METAL	10		0.08		0.11		0.04		0.09		0.18		0.22		0.85		< 0.03		0.25		0.05
7440-02-0	Nickel, Ni	METAL	650		35		21.1		3.71		4.19		10.1		9.04		8.46		4.28		8.5		6.22
7782-49-2	Selenium, Se	METAL	26		< 1.4		< 1.4		< 1.4		< 1.4		< 1.5		< 1.5		< 1.5		< 1.5		< 1.7		< 1.6
7440-22-4	Silver, Ag	METAL	84		< 0.35		< 0.35		< 0.35		< 0.34		< 0.38		< 0.38		< 0.37		< 0.37		< 0.42		< 0.39
7440-28-0	Thallium, Ti	METAL	14		< 3.1		< 3.2		< 3.1		< 3.1		< 3.5		< 3.4		< 3.4		< 3.3		< 3.8		< 3.5
7440-62-2	Vanadium, V	METAL	1,500		26.8		26.3		4.93		4.7		11.8		14.2		6.5		5.22		6.04		7.68
7440-66-6	Zinc, Zn	METAL	12,000		61.5		114		406		601		277		160		103		28.3		434		30.8
	pH	pH	NA		7.69		8.55		9.64		8.65		8.52		9.51		8.97		10.54		8.45		11.44
	TPH	TPH	NA		< 56		850		< 53		< 54		< 55		< 53		< 56		< 54		< 59		< 56

Notes: Shaded values indicate an exceedance of PA Clean Fill Standard.

Notes
ug/kg = micrograms per kilogram (ppb)
mg/kg = milligrams per kilogram (ppm)
ug/L = micrograms per liter
mg/L = milligrams per liter

Table 6: Sample Results in Comparison with PADEP Regulated Fill Standard
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	PA WMGR096 Regulated Fill Limits	WC 1 1-2	WC 1 COMP	WC 2 2-3	WC 2 COMP	WC 3 3-4	WC 3 COMP	WC 4 1-2	WC 4 COMP	WC 5 1-2	WC 5 COMP	WC 6 1-2	WC 6 COMP	DUP WC6 1-2	DUP WC6 COMP	WC 7 1-2	WC 7 COMP	WC 8 1-2	WC 8 COMP	WC 9 2-3	WC 9 COMP	WC 10 1-2	WC 10 COMP
	Lab Sample ID			BH68767	BH68768	BH69277	BH69278	BH69279	BH69280	BH69281	BH69282	BH69283	BH69284	BH70944	BH70945	BH70936	BH70937	BH70946	BH70947	BH68769	BH68770	BH69285	BH69286	BH69287	BH69288
	Date			1/29/2015	1/29/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	2/3/2015	2/3/2015	2/5/2015	2/5/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
630-20-6	1,1,1,2-Tetrachloroethane	VOC	18,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
71-55-6	1,1,1-Trichloroethane	VOC	7,200	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
79-34-5	1,1,2,2-Tetrachloroethane	VOC	9.3	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
79-00-5	1,1,2-Trichloroethane	VOC	150	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
92-52-4	1-1- Biphenyl	SVOC	2,200,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
75-34-3	1,1-Dichloroethane	VOC	2700	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
75-35-4	1,1-Dichloroethene	VOC	190	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
95-63-6	1,2,4-Trimethylbenzene	VOC	20,000	< 5.0		< 4.6		< 4.6		< 5.4		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
96-12-8	1,2-Dibromo-3-Chloropropane	VOC	9.2	< 5.0		< 4.6		< 4.6		< 280		< 280		< 3.6		< 3.3		< 2.5		< 2.5		< 250		< 4.1	
106-93-4	1,2-Dibromoethane	VOC	1.2	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
95-50-1	1,2-Dichlorobenzene	VOC	59,000	< 5.0		< 4.6		< 4.6		< 280		< 280		< 3.6		< 3.3		< 2.5		< 2.5		< 250		< 4.1	
107-06-2	1,2-Dichloroethane	VOC	100	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
78-87-5	1,2-Dichloropropane	VOC	110	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
108-67-8	1,3,5-Trimethylbenzene	VOC	6,200	< 5.0		< 4.6		< 4.6		< 5.4		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
541-73-1	1,3-Dichlorobenzene	VOC	61,000	< 5.0		< 4.6		< 4.6		< 280		< 280		< 3.6		< 3.3		< 2.5		< 2.5		< 250		< 4.1	
106-46-7	1,4-Dichlorobenzene	VOC	10,000	< 5.0		< 4.6		< 4.6		< 280		< 280		< 3.6		< 3.3		< 2.5		< 2.5		< 250		< 4.1	
123-91-1	1,4-Dioxane	VOC	310	< 100		< 92		< 92		< 100		< 130		< 72		< 65		< 49		< 50		< 74		< 81	
78-93-3	2-Butanone	VOC	110,000	5.1		6.3		< 28		< 30		< 39		4.2		< 20		< 15		< 15		< 22		< 24	
108-10-1	4-Methyl-2-Pentanone	VOC	6300	< 25		< 23		< 23		< 25		< 32		< 18		< 16		< 12		< 13		< 19		< 20	
67-64-1	Acetone	VOC	110,000	18		22		< 46		< 50		< 65		16		10		2.9		< 25		< 37		< 41	
107-02-8	Acrolein	VOC	1.4	< 25		< 23		< 23		< 25		< 32		< 18		< 16		< 12		< 13		< 19		< 20	
107-13-1	Acrylonitrile	VOC	37	< 10		< 9.2		< 9.2		< 10		< 13		< 7.2		< 6.5		< 4.9		< 5.0		< 7.4		< 8.1	
71-43-2	Benzene	VOC	130	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
92-87-5	Benzidine	SVOC	340		< 570		< 570		< 520		< 530		< 520		< 530		< 530		< 530		< 550		< 570		< 550
74-97-5	Bromochloromethane	VOC	1,600	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
75-27-4	Bromodichloromethane	VOC	3,400	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
75-25-2	Bromoform	VOC	4,400	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
74-83-9	Bromomethane	VOC	540	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
75-15-0	Carbon Disulfide	VOC	350,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		1.8		0.71		< 2.5		< 2.5		< 3.7		< 4.1	
56-23-5	Carbon Tetrachloride	VOC	260	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
108-90-7	Chlorobenzene	VOC	6,100	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		0.82		< 2.5		< 3.7		< 4.1	
124-48-1	Chlorodibromomethane	VOC	3,200	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
75-00-3	Chloroethane	VOC	19,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
67-66-3	Chloroform	VOC	2,500	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
74-87-3	Chloromethane	VOC	38	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
156-59-2	cis-1,2-Dichloroethene	VOC	1,600	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
74-95-3	Dibromomethane	VOC	7,700																						
75-71-8	Dichlorodifluoromethane	VOC	100,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
100-41-4	Ethylbenzene	VOC	46,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
98-82-8	Isopropylbenzene	VOC	780,000	< 5.0		< 4.6		< 4.6		< 280		< 280		< 3.6		< 3.3		< 2.5		< 2.5		< 250		< 4.1	
75-09-2	Methylene Chloride	VOC	76	0.91		1.5		1.8		1.7		1.1		0.99		0.9		1.1		0.65		< 3.7		0.98	
1634-04-4	Methyl Tert-Butyl Ether	VOC	280	< 10		< 9.2		< 9.2		< 10		< 13		< 7.2		< 6.5		< 4.9		< 5.0		< 7.4		< 8.1	
91-20-3	Naphthalene	SVOC	25,000		< 260		< 270		< 240		< 250		110		< 250		< 250		< 250		< 260		< 270		< 260
104-51-8	n-Butylbenzene	VOC	2,600,000	< 5.0		< 4.6		< 4.6		< 5.4		< 280		< 3.6		< 3.3		< 2.5		< 2.5		< 250		< 4.1	
103-65-1	n-Propylbenzene	VOC	290,000	< 5.0		< 4.6		< 4.6		< 5.4		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
99-87-6	p-Isoproplytoluene	VOC	NA	< 5.0		< 4.6		< 4.6		< 5.4		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
135-98-8	sec-Butylbenzene	VOC	960,000	< 5.0		< 4.6		< 4.6		< 5.4		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
100-42-5	Styrene	VOC	24,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
98-06-6	tert-Butylbenzene	VOC	740,000	< 5.0		< 4.6		< 4.6		< 5.4		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
75-65-0	Tertiary Butyl Alcohol	VOC	NA	< 100		< 92		< 92		< 100		< 130		< 72		< 65		< 49		< 50		< 74		< 81	
127-18-4	Tetrachloroethene	VOC	430	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
108-88-3	Toluene	VOC	44,000	< 5.0		< 4.6		< 4.6		0.9		68		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
1330-20-7	Total Xylenes	VOC	990,000	< 5.0		< 4.6		< 4.6		< 5.0		< 280		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
156-60-5	trans-1,2-Dichloroethene	VOC	2,300	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
79-01-6	Trichloroethene	VOC	170	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
75-69-4	Trichlorofluoromethane	VOC	87,000	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	
108-05-4	Vinyl Acetate	VOC	14,000	< 50		< 46		< 46		< 50		< 65		< 36		< 33		< 25		< 25		< 37		< 41	
75-01-4	Vinyl Chloride	VOC	27	< 5.0		< 4.6		< 4.6		< 5.0		< 6.5		< 3.6		< 3.3		< 2.5		< 2.5		< 3.7		< 4.1	

Table 6: Sample Results in Comparison with PADEP Regulated Fill Standard
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	PA WMGR096 Regulated Fill Limits	WC 1 1-2	WC 1 COMP	WC 2 2-3	WC 2 COMP	WC 3 3-4	WC 3 COMP	WC 4 1-2	WC 4 COMP	WC 5 1-2	WC 5 COMP	WC 6 1-2	WC 6 COMP	DUP WC6 1-2	DUP WC6 COMP	WC 7 1-2	WC 7 COMP	WC 8 1-2	WC 8 COMP	WC 9 2-3	WC 9 COMP	WC 10 1-2	WC 10 COMP
	Lab Sample ID			BH68767	BH68768	BH69277	BH69278	BH69279	BH69280	BH69281	BH69282	BH69283	BH69284	BH70944	BH70945	BH70936	BH70937	BH70946	BH70947	BH68769	BH68770	BH69285	BH69286	BH69287	BH69288
	Date			1/29/2015	1/29/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	2/3/2015	2/3/2015	2/5/2015	2/5/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
87-68-3	Hexachlorobutadiene	SVOC	1,200		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
122-66-7	1,2- Diphenylhydrazine	SVOC	580		< 380		< 380		< 340		< 360		< 350		< 350		< 350		< 360		< 370		< 380		< 370
120-82-1	1,2,4-Trichlorobenzene	VOC	27,000	< 5.0		< 4.6		< 4.6		< 280		< 280		< 3.6		< 3.3		< 2.5		< 2.5		< 250		< 4.1	
95-94-3	1,2,4,5-Tetrachlorobenzene	SVOC	14,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
58-90-2	2,3,4,6-Tetrachlorophenol	SVOC	950,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
95-95-4	2,4,5-Trichlorophenol	SVOC	6,100,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
88-06-2	2,4,6-Trichlorophenol	SVOC	8,900		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150
102-83-2	2,4-Dichlorophenol	SVOC	1,000		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150
105-67-9	2,4-Dimethylphenol	SVOC	87,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
51-28-5	2,4-Dinitrophenol	SVOC	460		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
121-14-2	2,4-Dinitrotoluene	SVOC	200		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150
606-20-2	2,6-Dinitrotoluene	SVOC	3,000		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150
91-58-7	2-Chloronaphthalene	SVOC	18,000,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
95-57-8	2-Chlorophenol	SVOC	4,400		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
91-57-6	2-Methylnaphthalene	SVOC	8,000,000		< 260		250		< 240		< 250		110		130		180		< 250		< 260		< 270		< 260
95-48-7	2-Methylphenol	SVOC	180,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
88-74-4	2-Nitroaniline	SVOC	100		< 1900		< 1900		< 1700		< 1800		< 1700		< 1800		< 1800		< 1800		< 1800		< 1900		< 1800
88-75-5	2-Nitrophenol	SVOC	17,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
91-94-1	3,3-Dichlorobenzidine	SVOC	32,000		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150
99-09-2	3-Nitroaniline	SVOC	91		< 1900		< 1900		< 1700		< 1800		< 1700		< 1800		< 1800		< 1800		< 1800		< 1900		< 1800
534-52-1	4,6-Dinitro-2-methylphenol	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
59-50-7	4-Chloro-3-methylphenol	SVOC	110,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
106-47-8	4-Chloroaniline	SVOC	52,000		< 750		< 760		< 690		< 710		< 690		< 710		< 700		< 710		< 730		< 760		< 730
100-01-6	4-Nitroaniline	SVOC	86		< 1900		< 1900		< 1700		< 1800		< 1700		< 1800		< 1800		< 1800		< 1800		< 1900		< 1800
100-02-7	4-Nitrophenol	SVOC	4,100		< 1900		< 1900		< 1700		< 1800		< 1700		< 1800		< 1800		< 1800		< 1800		< 1900		< 1800
83-32-9	Acenaphthene	SVOC	4,700,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		170		< 270		< 260
208-96-8	Acenaphthylene	SVOC	6,900,000		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		140		< 150		< 150
98-86-2	Acetophenone	SVOC	540,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
62-53-3	Aniline	SVOC	340		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330
120-12-7	Anthracene	SVOC	350,000		< 260		< 270		< 240		< 250		320		< 250		< 250		< 250		430		< 270		< 260
1912-24-9	Atrazine	SVOC	130		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150
100-52-7	Benzaldehyde	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
56-55-3	Benzo-a-Anthracene	SVOC	110,000		< 260		< 270		< 240		190		550		210		240		< 250		1200		< 270		220
50-32-8	Benzo-a-Pyrene	SVOC	11,000		< 150		< 150		< 140		200		570		220		250		< 140		1100		< 150		250
205-99-2	Benzo-b-Fluoranthene	SVOC	110,000		< 260		180		< 240		280		790		330		360		170		1500		150		330
207-08-9	Benzo-k-Fluoranthene	SVOC	610,000		< 260		< 270		< 240		< 250		250		120		130		< 250		560		< 270		< 260
191-24-2	Benzo-g,h,i-Perylene	SVOC	180,000		< 260		< 270		< 240		130		320		< 250		< 250		< 250		690		< 270		140
65-85-0	Benzoic Acid	SVOC	7,800,000		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330
100-51-6	Benzyl Alcohol	SVOC	1,100,000		< 380		< 380		< 340		< 360		< 350		< 350		< 350		< 360		< 370		< 380		< 370
111-44-4	Bis(2-Chloroethyl)ether	SVOC	17		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150
108-60-1	Bis(2-Chloroisopropyl)ether	SVOC	8,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
117-81-7	Bis(2-Ethylhexyl)Phthalate	SVOC	130,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
85-68-7	Butylbenzylphthalate	SVOC	10,000,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
105-60-2	Caprolactam	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
86-74-8	Carbazole	SVOC	83,000		< 1900		< 1900		< 1700		< 1800		< 1700		< 1800		< 1800		< 1800		< 1800		< 1900		< 1800
218-01-9	Chrysene	SVOC	230,000		< 260		< 270		< 240		240		550		230		260		< 250		1200		< 270		240
75-99-0	Dalapon	SVOC	5,300		< 47		< 48		< 44		< 44		< 44		< 45		< 45		< 44		< 46		< 48		< 47
132-64-9	Dibenzofuran	SVOC	NA		< 260		< 270		< 240		< 250		110		< 250		< 250		< 250		140		< 270		< 260
53-70-3	Dibenzo-a,h-Anthracene	SVOC	11,000		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		170		< 150		< 150
84-66-2	Diethyl Phthalate	SVOC	160,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
131-11-3	Dimethyl Phthalate	SVOC	NA		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
84-74-2	Di-n-Butyl Phthalate	SVOC	4,100,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
117-84-0	Di-n-Octyl Phthalate	SVOC	10,000,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
206-44-0	Fluoranthene	SVOC	3,200,000		< 260		220		< 240		520		1500		330		360		200		1700		260		550
86-73-7	Fluorene	SVOC	3,800,000		< 260		< 270		< 240		< 250		140		< 250		< 250		< 250		190		< 270		< 260
118-74-1	Hexachlorobenzene	SVOC	960		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150
77-47-4	Hexachlorocyclopentadiene	SVOC	91,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
67-72-1	Hexachloroethane	SVOC	560		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150
193-39-5	Indeno(1,2,3-cd)Pyrene	SVOC	110,000		< 260		< 270		< 240		120		310		< 250		< 250		< 250		750		< 270		140
78-59-1	Isophorone	SVOC	1,900		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150
98-95-3	Nitrobenzene	SVOC	2200		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150
62-75-9	N-Nitrosodimethylamine	SVOC	0.17		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
621-64-7	N-Nitroso-di-n-Propylamine	SVOC	5.1		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150
86-30-6	N-Nitrosodiphenylamine	SVOC	83,000		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150
87-86-5	Pentachlorophenol	SVOC	5,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
85-01-8	Phenanthrene	SVOC	10,000,000		< 150		130		< 140		470		1200		260		310		130		2000		200		320
108-95-2	Phenol	SVOC	66,000		< 260		< 270		< 240		< 250		< 240		< 250		< 250		< 250		< 260		< 270		< 260
129-00-0	Pyrene	SVOC	2,200,000		< 260		220		< 240		490		1300		330		350		160		1400		210		490

Table 6: Sample Results in Comparison with PADEP Regulated Fill Standard
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	PA WMGR096 Regulated Fill Limits	WC 1 1-2	WC 1 COMP	WC 2 2-3	WC 2 COMP	WC 3 3-4	WC 3 COMP	WC 4 1-2	WC 4 COMP	WC 5 1-2	WC 5 COMP	WC 6 1-2	WC 6 COMP	DUP WC6 1-2	DUP WC6 COMP	WC 7 1-2	WC 7 COMP	WC 8 1-2	WC 8 COMP	WC 9 2-3	WC 9 COMP	WC 10 1-2	WC 10 COMP
	Lab Sample ID			BH68767	BH68768	BH69277	BH69278	BH69279	BH69280	BH69281	BH69282	BH69283	BH69284	BH70944	BH70945	BH70936	BH70937	BH70946	BH70947	BH68769	BH68770	BH69285	BH69286	BH69287	BH69288
	Date			1/29/2015	1/29/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	2/3/2015	2/3/2015	2/5/2015	2/5/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
93-76-5	2,4,5-T	HERBICIDE	1,500		< 47		< 48		< 44		< 44		< 44		< 45		< 45		< 44		< 46		< 48		< 47
93-72-1	2,4,5-TP Acid	PESTICIDE	22,000		< 47		< 48		< 44		< 44		< 44		< 45		< 45		< 44		< 46		< 48		< 47
94-75-7	2,4-D	HERBICIDE	18,000		< 47		< 48		< 44		< 44		< 44		< 45		< 45		< 44		< 46		< 48		< 47
72-54-8	4,4-DDD	PESTICIDE	30,000		< 2.3		< 2.2		< 2.1		2.6		< 2.1		< 2.1		< 2.1		< 2.1		< 2.2		< 2.3		< 2.2
72-55-9	4,4-DDE	PESTICIDE	170,000		< 2.3		< 2.2		< 2.1		2.3		< 2.1		< 2.1		< 2.1		< 2.1		< 2.2		< 2.3		< 2.2
50-29-3	4,4-DDT	PESTICIDE	230,000		< 2.3		< 2.2		< 2.1		< 2.1		< 2.1		< 2.1		< 2.1		< 2.1		< 2.2		< 2.3		< 2.2
309-00-2	Aldrin	PESTICIDE	440		< 3.8		< 3.7		< 3.5		< 3.5		< 3.4		< 3.5		< 3.6		< 3.5		< 3.6		< 3.8		< 3.7
319-84-6	alpha-BHC	PESTICIDE	190		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4
5103-71-9	Alpha Chlordane	PESTICIDE	NA		< 3.8		< 3.7		< 3.5		< 3.5		< 3.4		11		7.2		< 3.5		< 3.6		< 3.8		< 3.7
12674-11-2	Aroclor 1016	PCB	200,000		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74
1104-28-2	Aroclor 1221	PCB	2500		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74
11141-16-5	Aroclor 1232	PCB	2000		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74
53469-21-9	Aroclor 1242	PCB	62,000		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74
12672-29-6	Aroclor 1248	PCB	44,000		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74
11097-69-1	Aroclor 1254	PCB	44,000		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74
11096-82-5	Aroclor 1260	PCB	130,000		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74
11096-82-5	Aroclor 1262	PCB	NA		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74
37324-23-5	Aroclor 1268	PCB	NA		< 75		< 74		< 70		< 70		< 69		< 71		< 72		< 70		< 360		< 77		< 74
319-85-7	beta-BHC	PESTICIDE	820		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4
57-74-9	Chlordane	PESTICIDE	49,000		< 38		< 37		< 35		< 35		< 34		65		41		< 35		< 36		< 38		< 37
319-86-8	delta-BHC	PESTICIDE	30,000		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4
1918-00-9	Dicamba	HERBICIDE	NA		< 94		< 95		< 88		< 89		< 88		< 90		< 90		< 88		< 91		< 96		< 93
60-57-1	Dieldrin	PESTICIDE	440		< 3.8		< 3.7		< 3.5		< 3.5		< 3.4		< 3.5		< 3.6		< 3.5		< 3.6		< 3.8		< 3.7
115-29-7	Endosulfan	PESTICIDE	61,000		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4
959-98-8	Endosulfan I	PESTICIDE	260,000		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4
33213-65-9	Endosulfan II	PESTICIDE	260,000		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4
1031-07-8	Endosulfan Sulfate	PESTICIDE	70,000		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4
72-20-8	Endrin	PESTICIDE	5,500		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4
58-89-9	gamma-BHC	PESTICIDE	72		< 1.5		< 1.5		< 1.4		< 1.4		< 1.4		< 1.4		< 1.4		< 1.4		< 1.5		< 1.5		< 1.5
5103-74-2	Gamma Chlordane	PESTICIDE	NA		< 3.8		< 3.7		< 3.5		< 3.5		< 3.4		8.2		8.6		< 3.5		< 3.6		< 3.8		< 3.7
76-44-8	Heptachlor	PESTICIDE	680		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4
1024-57-3	Heptachlor Epoxide	PESTICIDE	1,100		< 7.5		< 7.4		< 7.0		< 7.0		< 6.9		< 7.1		< 7.2		< 7.0		< 7.3		< 7.7		< 7.4
72-43-5	Methoxychlor	PESTICIDE	630,000		< 38		< 37		< 35		< 35		< 34		< 35		< 36		< 35		< 36		< 38		< 37
56-38-2	Parathion	PESTICIDE	360,000		< 380		< 380		< 340		< 360		< 350		< 350		< 350		< 360		< 370		< 380		< 370
1336-36-3	Polychlorinated Biphenyls	PESTICIDE	NA		0		0		0		0		0		0		0		0		0		0		0
8001-35-2	Toxaphene	PESTICIDE	1,200		< 150		< 150		< 140		< 140		< 140		< 140		< 140		< 140		< 150		< 150		< 150
	Unit		*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
7429-90-5	Aluminum, Al	METAL	190000		8200		8920		1260		4320		3050		6220		7100		5460		3970		9200		8460
7440-36-0	Antimony, Sb	METAL	27		< 3.9		6.9		< 3.5		< 3.6		< 3.3		< 3.7		< 3.6		< 3.4		< 3.5		< 3.4		< 3.5
7440-38-2	Arsenic, As	METAL	53		3.3		6.9		0.9		6.4		4.6		3.4		4.5		1.9		3.4		7		5.5
7440-39-3	Barium, Ba	METAL	8,200		34.4		233		5.63		105		54		67.6		59.5		37.1		112		173		42.9
7440-41-7	Beryllium, Be	METAL	320		0.42		0.56		< 0.28		0.43		0.36		0.81		0.55		0.39		< 0.28		0.5		0.46
7440-43-9	Cadmium, Cd	METAL	38		< 0.39		1.1		< 0.35		0.42		< 0.33		< 0.37		< 0.36		< 0.34		< 0.35		< 0.34		< 0.35
7440-47-3	Chromium, Cr	METAL	NA		10.8		14.2		4.24		12.3		9.22		20.1		17.3		35.2		12.4		18.6		14.4
18540-29-9	Chromium, hexavalent	METAL	190		< 0.44		< 0.46		< 0.44		< 0.41		< 0.43		< 0.42		< 0.43		< 0.43		< 0.44		0.56		< 0.45
16065-83-1	Chromium, trivalent	METAL	190,000		10.8		14.2		4.24		12.3		9.22		20.1		17.3		35.2		12.4		18		14.4
7440-48-4	Cobalt, Co	METAL	22		4.11		5.87		1.09		3.51		5.87		10.4		6.97		10.3		4.67		7.06		5.02
7440-50-8	Copper, Cu	METAL	36,000		9.74		28.1		1.79		21.5		23.7		96.3		32.4		54.9		72.1		29.2		15.5
57-12-5	Cyanide	METAL	200 (free)		< 0.57		< 0.57		< 0.53		< 0.54		< 0.53		< 0.54		< 0.54		< 0.54		0.65		< 0.53		< 0.51
7439-89-6	Iron, Fe	METAL	190000		10700		15400		2610		11800		6870		13300		12800		19300		9300		15100		13400
7439-92-1	Lead, Pb	METAL	1000		106		2370		4.87		259		110		189		129		33		189		232		83.1
7439-96-5	Manganese, Mn	METAL	190,000		154		153		23.3		366		158		193		185		206		226		193		89.2
7439-97-6	Mercury, Hg	METAL	10		0.15		0.25		< 0.03		0.08		0.07		0.13		0.14		0.04		0.15		0.08		0.13
7440-02-0	Nickel, Ni	METAL	650		11.4		13.8		4.14		11.7		17.7		72.4		26		21.5		16.2		24.5		12.6
7782-49-2	Selenium, Se	METAL	26		< 1.6		< 1.4		< 1.4		< 1.5		< 1.3		< 1.5		< 1.4		< 1.4		< 1.4		< 1.4		< 1.4
7440-22-4	Silver, Ag	METAL	84		< 0.39		< 0.35		< 0.35		< 0.36		< 0.33		< 0.37		< 0.36		< 0.34		< 0.35		< 0.34		< 0.35
7440-28-0	Thallium, Ti	METAL	14		< 3.5		< 3.1		< 3.1		< 3.3		< 3.0		< 3.4		< 3.2		< 3.1		< 3.2		< 3.1		< 3.1
7440-62-2	Vanadium, V	METAL	72,000		16.5		19.6		4.16		17.4		12.3		21.6		21		40.5		14		23.2		21.9
7440-66-6	Zinc, Zn	METAL	12,000		37.8		558		14.9		172		78.9		307		97.3		34		226		188		59.2
	pH	pH	NA		7.71		8.08		9.52		9.21		9.18		9.88		9.81		11.11		8.59		9.84		8.76
	TPH	TPH	NA		< 56		< 57		< 53		< 54		< 53		<54		<54		<52		< 54		< 57		< 56

Notes: Shaded values indicate an exceedance of PA Regulated Fill Standard Limits.

Notes
ug/kg = micrograms per kilogram (ppb)
mg/kg = milligrams per kilogram (ppm)
ug/L = micrograms per liter
mg/L = milligrams per liter

Table 6: Sample Results in Comparison with PADEP Regulated Fill Standard
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	PA WMGR096 Regulated Fill Limits	WC 11 2-3	WC 11 COMP	WC 12 1-2	WC 12 COMP	WC 13 1-2	WC 13 COMP	DUP WC 13 1-2	DUP WC 13 COMP	WC 14 2-3	WC 14 COMP	WC 15 2-3	WC 15 COMP	WC 16 1-2	WC 16 COMP	WC 17 1-2	WC 17 COMP	WC 18 1-2	WC 18 COMP	WC 19 1-2	WC 19 COMP	WC 20 1-2	WC 20 COMP	DUP WC 20 1-2	DUP WC 20 COMP	WC 21 4-5	WC 21 COMP
	Lab Sample ID			BH69295	BH69296	BH69291	BH69292	BH70562	BH70563	BH70564	BH70565	BH69820	BH69821	BH69818	BH69819	BH69816	BH69817	BH69814	BH69815	BH69812	BH69813	BH69800	BH69801	BH69802	BH69803	BH69804	BH69805	BH69293	BH69294
	Date			1/30/2015	1/30/2015	1/30/2015	1/30/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/30/2015	1/30/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
630-20-6	1,1,1,2-Tetrachloroethane	VOC	18,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
71-55-6	1,1,1-Trichloroethane	VOC	7,200	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
79-34-5	1,1,2,2-Tetrachloroethane	VOC	9.3	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
79-00-5	1,1,2-Trichloroethane	VOC	150	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
92-52-4	1-1- Biphenyl	SVOC	2,200,000		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
75-34-3	1,1-Dichloroethane	VOC	2700	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
75-35-4	1,1-Dichloroethene	VOC	190	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
95-63-6	1,2,4-Trimethylbenzene	VOC	20,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5	
96-12-8	1,2-Dibromo-3-Chloropropane	VOC	9.2	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 80		< 5.0		< 80		< 6.0		< 5.4		< 5.5	
106-93-4	1,2-Dibromoethane	VOC	1.2	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
95-50-1	1,2-Dichlorobenzene	VOC	59,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5	
107-06-2	1,2-Dichloroethane	VOC	100	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
78-87-5	1,2-Dichloropropane	VOC	110	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
108-67-8	1,3,5-Trimethylbenzene	VOC	6,200	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5	
541-73-1	1,3-Dichlorobenzene	VOC	61,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5	
106-46-7	1,4-Dichlorobenzene	VOC	10,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5	
123-91-1	1,4-Dioxane	VOC	310	< 94		< 77		< 48		< 92		< 100		< 100		< 97		< 100		< 100		< 98		< 100		< 100		< 100	
78-93-3	2-Butanone	VOC	110,000	< 28		< 23		< 14		< 28		< 32		12		< 29		< 31		< 30		< 29		< 36		< 32		< 33	
108-10-1	4-Methyl-2-Pentanone	VOC	6300	< 24		< 19		< 12		< 23		< 27		< 27		< 24		< 26		< 25		< 25		< 30		< 27		< 27	
67-64-1	Acetone	VOC	110,000	< 47		< 39		< 24		< 46		20		47		< 49		< 50		< 50		< 49		< 50		< 50		< 55	
107-02-8	Acrolein	VOC	1.4	< 24		< 19		< 12		< 23		< 27		< 27		< 24		< 26		< 25		< 25		< 30		< 27		< 27	
107-13-1	Acrylonitrile	VOC	37	< 9.4		< 7.7		< 4.8		< 9.2		< 11		< 11		< 9.7		< 10		< 10		< 9.8		< 12		< 11		< 11	
71-43-2	Benzene	VOC	130	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		3.4		< 4.9		< 5.1		< 5.0		1.3		< 6.0		< 5.4		< 5.5	
92-87-5	Benzidine	SVOC	340		< 540		< 540		< 550		< 500		< 540		< 560		< 550		< 520		< 570		< 590		< 540		< 540		< 530
74-97-5	Bromochloromethane	VOC	1,600	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
75-27-4	Bromodichloromethane	VOC	3,400	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
75-25-2	Bromoform	VOC	4,400	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
74-83-9	Bromomethane	VOC	540	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
75-15-0	Carbon Disulfide	VOC	350,000	< 4.7		< 3.9		< 2.4		< 4.6		2.9		4.4		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
56-23-5	Carbon Tetrachloride	VOC	260	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
108-90-7	Chlorobenzene	VOC	6,100	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		0.82		< 5.5	
124-48-1	Chlorodibromomethane	VOC	3,200	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
75-00-3	Chloroethane	VOC	19,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
67-66-3	Chloroform	VOC	2,500	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		0.91		1.5		1		< 5.5	
74-87-3	Chloromethane	VOC	38	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
156-59-2	cis-1,2-Dichloroethene	VOC	1,600	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
74-95-3	Dibromomethane	VOC	7,700																										
75-71-8	Dichlorodifluoromethane	VOC	100,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
100-41-4	Ethylbenzene	VOC	46,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
98-82-8	Isopropylbenzene	VOC	780,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5	
75-09-2	Methylene Chloride	VOC	76	2		1.5		0.54		1.6		1.7		2		< 4.9		1.5		1.2		1.5		3.1		2.9		1.9	
1634-04-4	Methyl Tert-Butyl Ether	VOC	280	< 9.4		< 7.7		< 4.8		< 9.2		< 11		< 11		< 9.7		< 10		< 10		< 9.8		< 12		< 11		< 11	
91-20-3	Naphthalene	SVOC	25,000		< 250		< 250		< 250		< 240		250		550		< 260		< 240		< 270		< 280		< 250		< 250		< 250
104-51-8	n-Butylbenzene	VOC	2,600,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5	
103-65-1	n-Propylbenzene	VOC	290,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5	
99-87-6	p-Isoproplytoluene	VOC	NA	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5	
135-98-8	sec-Butylbenzene	VOC	960,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5	
100-42-5	Styrene	VOC	24,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
98-06-6	tert-Butylbenzene	VOC	740,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5	
75-65-0	Tertiary Butyl Alcohol	VOC	NA	< 94		< 77		< 48		< 92		< 110		< 110		< 97		< 100		< 100		< 98		< 120		< 110		< 110	
127-18-4	Tetrachloroethene	VOC	430	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
108-88-3	Toluene	VOC	44,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		6.2		< 4.9		78		0.86		0.84		< 6.0		< 5.4		< 5.5	
1330-20-7	Total Xylenes	VOC	990,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
156-60-5	trans-1,2-Dichloroethene	VOC	2,300	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
79-01-6	Trichloroethene	VOC	170	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
75-69-4	Trichlorofluoromethane	VOC	87,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	
108-05-4	Vinyl Acetate	VOC	14,000	< 47		< 39		< 24		< 46		< 54		< 53		< 49		< 51		< 50		< 49		< 60		< 54		< 55	
75-01-4	Vinyl Chloride	VOC	27	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 5.1		< 5.0		< 4.9		< 6.0		< 5.4		< 5.5	

Table 6: Sample Results in Comparison with PADEP Regulated Fill Standard
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	PA WMGR096 Regulated Fill Limits	WC 11 2-3	WC 11 COMP	WC 12 1-2	WC 12 COMP	WC 13 1-2	WC 13 COMP	DUP WC 13 1-2	DUP WC 13 COMP	WC 14 2-3	WC 14 COMP	WC 15 2-3	WC 15 COMP	WC 16 1-2	WC 16 COMP	WC 17 1-2	WC 17 COMP	WC 18 1-2	WC 18 COMP	WC 19 1-2	WC 19 COMP	WC 20 1-2	WC 20 COMP	DUP WC 20 1-2	DUP WC 20 COMP	WC 21 4-5	WC 21 COMP
	Lab Sample ID			BH69295	BH69296	BH69291	BH69292	BH70562	BH70563	BH70564	BH70565	BH69820	BH69821	BH69818	BH69819	BH69816	BH69817	BH69814	BH69815	BH69812	BH69813	BH69800	BH69801	BH69802	BH69803	BH69804	BH69805	BH69293	BH69294
	Date			1/30/2015	1/30/2015	1/30/2015	1/30/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/30/2015	1/30/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
87-68-3	Hexachlorobutadiene	SVOC	1,200		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
122-66-7	1,2- Diphenylhydrazine	SVOC	580		< 360		< 360		< 360		< 340		< 360		< 370		< 370		< 350		< 380		< 400		< 360		< 360		< 360
120-82-1	1,2,4-Trichlorobenzene	VOC	27,000	< 4.7		< 3.9		< 2.4		< 4.6		< 5.4		< 5.3		< 4.9		< 250		< 5.0		< 310		< 6.0		< 5.4		< 5.5	
95-94-3	1,2,4,5-Tetrachlorobenzene	SVOC	14,000		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
58-90-2	2,3,4,6-Tetrachlorophenol	SVOC	950,000		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
95-95-4	2,4,5-Trichlorophenol	SVOC	6,100,000		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
88-06-2	2,4,6-Trichlorophenol	SVOC	8,900		< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140
102-83-2	2,4-Dichlorophenol	SVOC	1,000		< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140
105-67-9	2,4-Dimethylphenol	SVOC	87,000		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
51-28-5	2,4-Dinitrophenol	SVOC	460		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
121-14-2	2,4-Dinitrotoluene	SVOC	200		< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140
606-20-2	2,6-Dinitrotoluene	SVOC	3,000		< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140
91-58-7	2-Chloronaphthalene	SVOC	18,000,000		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
95-57-8	2-Chlorophenol	SVOC	4,400		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
91-57-6	2-Methylnaphthalene	SVOC	8,000,000		< 250		< 250		< 250		< 240		150		360		< 260		< 240		< 270		< 280		< 250		< 250		< 250
95-48-7	2-Methylphenol	SVOC	180,000		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
88-74-4	2-Nitroaniline	SVOC	100		< 1800		< 1800		< 1800		< 1700		< 1800		< 1900		< 1800		< 1700		< 1900		< 2000		< 1800		< 1800		< 1800
88-75-5	2-Nitrophenol	SVOC	17,000		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
91-94-1	3,3-Dichlorobenzidine	SVOC	32,000		< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140
99-09-2	3-Nitroaniline	SVOC	91		< 1800		< 1800		< 1800		< 1700		< 1800		< 1900		< 1800		< 1700		< 1900		< 2000		< 1800		< 1800		< 1800
534-52-1	4,6-Dinitro-2-methylphenol	SVOC	NA		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
59-50-7	4-Chloro-3-methylphenol	SVOC	110,000		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
106-47-8	4-Chloroaniline	SVOC	52,000		< 720		< 720		< 730		< 670		< 730		< 750		< 730		< 700		< 760		< 790		< 730		< 710		< 710
100-01-6	4-Nitroaniline	SVOC	86		< 1800		< 1800		< 1800		< 1700		< 1800		< 1900		< 1800		< 1700		< 1900		< 2000		< 1800		< 1800		< 1800
100-02-7	4-Nitrophenol	SVOC	4,100		< 1800		< 1800		< 1800		< 1700		< 1800		< 1900		< 1800		< 1700		< 1900		< 2000		< 1800		< 1800		< 1800
83-32-9	Acenaphthene	SVOC	4,700,000		< 250		< 250		< 250		< 240		130		320		< 260		< 240		< 270		< 280		< 250		< 250		< 250
208-96-8	Acenaphthylene	SVOC	6,900,000		< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140
98-86-2	Acetophenone	SVOC	540,000		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
62-53-3	Aniline	SVOC	340		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330
120-12-7	Anthracene	SVOC	350,000		< 250		< 250		< 250		< 240		< 250		200		140		< 240		< 270		< 280		< 250		< 250		< 250
1912-24-9	Atrazine	SVOC	130		< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140
100-52-7	Benzaldehyde	SVOC	NA		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
56-55-3	Benzo-a-Anthracene	SVOC	110,000		< 250		630		< 250		< 240		210		330		500		120		< 270		< 280		< 250		150		< 250
50-32-8	Benzo-a-Pyrene	SVOC	11,000		< 140		590		< 150		< 130		190		280		390		< 140		< 150		< 160		130		140		< 140
205-99-2	Benzo-b-Fluoranthene	SVOC	110,000		< 250		750		< 250		< 240		280		410		520		160		< 270		< 280		170		160		< 250
207-08-9	Benzo-k-Fluoranthene	SVOC	610,000		< 250		320		< 250		< 240		< 250		160		200		< 240		< 270		< 280		< 250		< 250		< 250
191-24-2	Benzo-g,h,i-Perylene	SVOC	180,000		< 250		280		< 250		< 240		140		200		240		< 240		< 270		< 280		< 250		< 250		< 250
65-85-0	Benzoic Acid	SVOC	7,800,000		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330
100-51-6	Benzyl Alcohol	SVOC	1,100,000		< 360		< 360		< 360		< 340		< 360		< 370		< 370		< 350		< 380		< 400		< 360		< 360		< 360
111-44-4	Bis(2-Chloroethyl)ether	SVOC	17		< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140
108-60-1	Bis(2-Chloroisopropyl)ether	SVOC	8,000		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
117-81-7	Bis(2-Ethylhexyl)Phthalate	SVOC	130,000		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
85-68-7	Butylbenzylphthalate	SVOC	10,000,000		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
105-60-2	Caprolactam	SVOC	NA		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
86-74-8	Carbazole	SVOC	83,000		< 1800		< 1800		< 1800		< 1700		< 1800		< 1900		< 1800		< 1700		< 1900		< 2000		< 1800		< 1800		< 1800
218-01-9	Chrysene	SVOC	230,000		< 250		570		< 250		< 240		240		380		500		< 240		< 270		< 280		140		140		< 250
75-99-0	Dalapon	SVOC	5,300		< 45		< 46		< 47		< 43		< 45		< 47		< 46		< 44		< 49		< 49		< 46		< 45		< 45
132-64-9	Dibenzofuran	SVOC	NA		< 250		< 250		< 250		< 240		< 250		280		< 260		< 240		< 270		< 280		< 250		< 250		< 250
53-70-3	Dibenzo-a,h-Anthracene	SVOC	11,000		< 140		140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140
84-66-2	Diethyl Phthalate	SVOC	160,000		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
131-11-3	Dimethyl Phthalate	SVOC	NA		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
84-74-2	Di-n-Butyl Phthalate	SVOC	4,100,000		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
117-84-0	Di-n-Octyl Phthalate	SVOC	10,000,000		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
206-44-0	Fluoranthene	SVOC	3,200,000		< 250		860		130		150		440		670		960		190		< 270		< 280		210		210		< 250
86-73-7	Fluorene	SVOC	3,800,000		< 250		< 250		< 250		< 240		< 250		360		< 260		< 240		< 270		< 280		< 250		< 250		< 250
118-74-1	Hexachlorobenzene	SVOC	960		< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140
77-47-4	Hexachlorocyclopentadiene	SVOC	91,000		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
67-72-1	Hexachloroethane	SVOC	560		< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140
193-39-5	Indeno(1,2,3-cd)Pyrene	SVOC	110,000		< 250		330		< 250		< 240		140		200		240		< 240		< 270		< 280		< 250		< 250		< 250
78-59-1	Isophorone	SVOC	1,900		< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140
98-95-3	Nitrobenzene	SVOC	2200		< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140
62-75-9	N-Nitrosodimethylamine	SVOC	0.17		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
621-64-7	N-Nitroso-di-n-Propylamine	SVOC	5.1		< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140
86-30-6	N-Nitrosodiphenylamine	SVOC	83,000		< 140		< 140		< 150		< 130		< 150		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140
87-86-5	Pentachlorophenol	SVOC	5,000		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
85-01-8	Phenanthrene	SVOC	10,000,000		< 140		100		< 150		120		370		1000		540		< 140		< 150		< 160		170		150		< 140
108-95-2	Phenol	SVOC	66,000		< 250		< 250		< 250		< 240		< 250		< 260		< 260		< 240		< 270		< 280		< 250		< 250		< 250
129-00-0	Pyrene	SVOC	2,200,000		< 250		770		< 250		130		390		560		920		190		< 270		< 280		180		180		< 250

Table 6: Sample Results in Comparison with PADEP Regulated Fill Standard
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	PA WMGR096 Regulated Fill Limits	WC 11 2-3	WC 11 COMP	WC 12 1-2	WC 12 COMP	WC 13 1-2	WC 13 COMP	DUP WC 13 1-2	DUP WC 13 COMP	WC 14 2-3	WC 14 COMP	WC 15 2-3	WC 15 COMP	WC 16 1-2	WC 16 COMP	WC 17 1-2	WC 17 COMP	WC 18 1-2	WC 18 COMP	WC 19 1-2	WC 19 COMP	WC 20 1-2	WC 20 COMP	DUP WC 20 1-2	DUP WC 20 COMP	WC 21 4-5	WC 21 COMP
	Lab Sample ID			BH69295	BH69296	BH69291	BH69292	BH70562	BH70563	BH70564	BH70565	BH69820	BH69821	BH69818	BH69819	BH69816	BH69817	BH69814	BH69815	BH69812	BH69813	BH69800	BH69801	BH69802	BH69803	BH69804	BH69805	BH69293	BH69294
	Date			1/30/2015	1/30/2015	1/30/2015	1/30/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/30/2015	1/30/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
93-76-5	2,4,5-T	HERBICIDE	1,500		< 45		< 46		< 47		< 43		< 45		< 47		< 46		< 44		< 49		< 49		< 46		< 45		< 45
93-72-1	2,4,5-TP Acid	PESTICIDE	22,000		< 45		< 46		< 47		< 43		< 45		< 47		< 46		< 44		< 49		< 49		< 46		< 45		< 45
94-75-7	2,4-D	HERBICIDE	18,000		< 45		< 46		< 47		< 43		< 45		< 47		< 46		< 44		< 49		< 49		< 46		< 45		< 45
72-54-8	4,4-DDD	PESTICIDE	30,000		< 2.1		< 2.2		< 2.2		< 2.0		< 2.2		9.7		< 2.2		< 2.1		< 2.3		< 2.3		< 2.2		< 2.1		< 2.1
72-55-9	4,4-DDE	PESTICIDE	170,000		< 2.1		< 2.2		< 2.2		< 2.0		< 2.2		< 2.2		< 2.2		< 2.1		< 2.3		< 2.3		< 2.2		< 2.1		< 2.1
50-29-3	4,4-DDT	PESTICIDE	230,000		< 2.1		< 2.2		< 2.2		< 2.0		< 2.2		3.5		< 2.2		< 2.1		< 2.3		< 2.3		< 2.2		< 2.1		< 2.1
309-00-2	Aldrin	PESTICIDE	440		< 3.6		< 3.6		< 3.7		< 3.4		< 3.6		< 3.7		< 3.7		< 3.5		< 3.9		< 3.9		< 3.7		< 3.5		< 3.5
319-84-6	alpha-BHC	PESTICIDE	190		< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0		< 7.1
5103-71-9	Alpha Chlordane	PESTICIDE	NA		< 3.6		< 3.6		< 3.7		< 3.4		< 3.6		< 3.7		< 3.7		< 3.5		< 3.9		< 3.9		< 3.7		< 3.5		< 3.5
12674-11-2	Aroclor 1016	PCB	200,000		< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70		< 71
1104-28-2	Aroclor 1221	PCB	2500		< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70		< 71
11141-16-5	Aroclor 1232	PCB	2000		< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70		< 71
53469-21-9	Aroclor 1242	PCB	62,000		< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70		< 71
12672-29-6	Aroclor 1248	PCB	44,000		< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70		< 71
11097-69-1	Aroclor 1254	PCB	44,000		< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70		< 71
11096-82-5	Aroclor 1260	PCB	130,000		< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70		< 71
11096-82-5	Aroclor 1262	PCB	NA		< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70		< 71
37324-23-5	Aroclor 1268	PCB	NA		< 71		< 72		< 73		< 67		< 72		< 75		< 75		< 71		< 77		< 78		< 73		< 70		< 71
319-85-7	beta-BHC	PESTICIDE	820		< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0		< 7.1
57-74-9	Chlordane	PESTICIDE	49,000		< 36		< 36		< 37		< 34		< 36		< 37		< 37		< 35		< 39		< 39		< 37		< 35		< 35
319-86-8	delta-BHC	PESTICIDE	30,000		< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0		< 7.1
1918-00-9	Dicamba	HERBICIDE	NA		< 90		< 92		< 93		< 86		< 91		< 93		< 93		< 88		< 97		< 98		< 91		< 90		< 90
60-57-1	Dieldrin	PESTICIDE	440		< 3.6		< 3.6		< 3.7		< 3.4		< 3.6		< 3.7		< 3.7		< 3.5		< 3.9		< 3.9		< 3.7		< 3.5		< 3.5
115-29-7	Endosulfan	PESTICIDE	61,000		< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0		< 7.1
959-98-8	Endosulfan I	PESTICIDE	260,000		< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0		< 7.1
33213-65-9	Endosulfan II	PESTICIDE	260,000		< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0		< 7.1
1031-07-8	Endosulfan Sulfate	PESTICIDE	70,000		< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0		< 7.1
72-20-8	Endrin	PESTICIDE	5,500		< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0		< 7.1
58-89-9	gamma-BHC	PESTICIDE	72		< 1.4		< 1.4		< 1.5		< 1.3		< 1.4		< 1.5		< 1.5		< 1.4		< 1.5		< 1.6		< 1.5		< 1.4		< 1.4
5103-74-2	Gamma Chlordane	PESTICIDE	NA		< 3.6		< 3.6		< 3.7		< 3.4		< 3.6		< 3.7		< 3.7		< 3.5		< 3.9		< 3.9		< 3.7		< 3.5		< 3.5
76-44-8	Heptachlor	PESTICIDE	680		< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0		< 7.1
1024-57-3	Heptachlor Epoxide	PESTICIDE	1,100		< 7.1		< 7.2		< 7.3		< 6.7		< 7.2		< 7.5		< 7.5		< 7.0		< 7.7		< 7.8		< 7.3		< 7.0		< 7.1
72-43-5	Methoxychlor	PESTICIDE	630,000		< 36		< 36		< 37		< 34		< 36		< 37		< 37		< 35		< 39		< 39		< 37		< 35		< 35
56-38-2	Parathion	PESTICIDE	360,000		< 360		< 5		< 360		< 340		< 5		< 5		< 5		< 350		< 380		< 400		< 360		< 360		< 5
1336-36-3	Polychlorinated Biphenyls	PESTICIDE	NA		0		0		0		0		0		0		0		0		0		0		0		0		0
8001-35-2	Toxaphene	PESTICIDE	1,200		< 140		< 140		< 150		< 130		< 140		< 150		< 150		< 140		< 150		< 160		< 150		< 140		< 140
	Unit		*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
7429-90-5	Aluminum, Al	METAL	190000		1320		1480		957		1410		3060		5030		9470		3190		1730		2280		2530		1440		1390
7440-36-0	Antimony, Sb	METAL	27		< 3.4		< 3.7		< 3.6		< 3.2		< 3.6		< 4.0		< 3.5		< 3.7		< 4.1		< 3.6		< 3.9		< 3.7		< 3.7
7440-38-2	Arsenic, As	METAL	53		1		1.2		< 0.7		0.6		2.6		9.1		6.2		5.4		2.4		1.8		3.2		1.3		1.1
7440-39-3	Barium, Ba	METAL	8,200		7.57		15.4		6.65		8.48		29		103		109		42.5		20.8		16.6		76		22.2		5.81
7440-41-7	Beryllium, Be	METAL	320		< 0.27		< 0.29		< 0.29		< 0.25		< 0.29		0.48		0.56		< 0.29		< 0.33		< 0.29		< 0.31		< 0.30		< 0.30
7440-43-9	Cadmium, Cd	METAL	38		< 0.34		< 0.37		< 0.36		< 0.32		< 0.36		< 0.40		< 0.35		< 0.37		< 0.41		0.46		0.43		< 0.37		< 0.37
7440-47-3	Chromium, Cr	METAL	NA		4.75		4.92		2.65		4.46		9.36		11.3		18.9		11.6		10.3		5.41		9.93		5.67		4.59
18540-29-9	Chromium, hexavalent	METAL	190		< 0.44		< 0.43		< 0.47		< 0.40		< 0.44		< 0.45		< 0.45		< 0.43		< 0.47		< 0.46		0.48		< 0.43		< 0.45
16065-83-1	Chromium, trivalent	METAL	190,000		4.75		4.92		2.65		4.46		9.36		11.3		18.9		11.6		10.3		5.41		9.45		5.67		4.59
7440-48-4	Cobalt, Co	METAL	22		1.14		1.44		1.02		0.97		2.89		5.9		7.91		3.45		2.26		2.06		2.08		1.29		1.22
7440-50-8	Copper, Cu	METAL	36,000		2.21		3.48		3.77		3.72		12		84.7		26		14		9.61		4.23		14.6		3.92		1.91
57-12-5	Cyanide	METAL	200 (free)		< 0.55		< 0.51		< 0.47		< 0.47		< 0.55		< 0.56		< 0.51		< 0.54		< 0.59		< 0.60		< 0.56		< 0.54		1.26
7439-89-6	Iron, Fe	METAL	190000		2620		2860		2880		2520		10600		10600		17900		8740		4360		4160		4910		3070		2900
7439-92-1	Lead, Pb	METAL	1000		3.22		22.6		13		12.9		37.1		108		145		65.2		13		14.9		170		33.3		4.87
7439-96-5	Manganese, Mn	METAL	190,000		32.7		34.9		35		34.6		118		248		275		138		64.2		55.4		78.7		34		29.5
7439-97-6	Mercury, Hg	METAL	10		< 0.03		< 0.03		< 0.03		< 0.02		0.18		0.17		0.09		0.2		< 0.03		< 0.03		0.04		0.05		< 0.03
7440-02-0	Nickel, Ni	METAL	650		3.91		4.63		2.86		3.05		11.4		20.1		23.6		11.5		7.15		6.78		6.8		4.73		5.57
7782-49-2	Selenium, Se	METAL	26		< 1.4		< 1.5		< 1.4		< 1.3		< 1.4		< 1.6		< 1.4		< 1.5		< 1.7		< 1.5		< 1.6		< 1.5		< 1.5
7440-22-4	Silver, Ag	METAL	84		< 0.34		< 0.37		< 0.36		< 0.32		< 0.36		< 0.40		< 0.35		< 0.37		< 0.41		< 0.36		< 0.39		< 0.37		< 0.37
7440-28-0	Thallium, Ti	METAL	14		< 3.1		< 3.3		< 3.2		< 2.9		< 3.2		< 3.6		< 3.2		< 3.3		< 3.7		< 3.3		< 3.5		< 3.4		< 3.4
7440-62-2	Vanadium, V	METAL	72,000		4.27		5.36		4.14		4.1		11.2		17		25.2		11.1		6.09		6.56		7.76		5.02		4.72
7440-66-6	Zinc, Zn	METAL	12,000		21.8		25.3		16.4		46.8		35.5		108		116		53.1		39.3		44		145		78.7		54.5
	pH	pH	NA		9.33		8.95		9.49		9.7		7.19		9.65		8.7		9.68		9.07		8.72		9.42		9.39		9.56
	TPH	TPH	NA		< 54		< 55		< 55		< 50		<55		<55		<55		<52		<57		<59		<55		<54		< 53

Notes: Shaded values indicate an exceedance of PA Regulated Fill Standard Limits.

Notes
ug/kg = micrograms per kilogram (ppb)
mg/kg = milligrams per kilogram (ppm)
ug/L = micrograms per liter
mg/L = milligrams per liter

Table 6: Sample Results in Comparison with PADEP Regulated Fill Standard
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	PA WMGR096 Regulated Fill Limits	WC 22 1-2	WC 22 COMP	WC 23 1-2	WC 23 COMP	WC 24 1-2	WC 24 COMP	WC 25 1-2	WC 25 COMP	WC 26 2-3	WC 26 COMP	WC 27 1-2	WC 27 COMP	WC 28 1-2	WC 28 COMP	WC 29 2-3	WC 29 COMP	DUP WC 29 2-3	DUP WC 29 COMP	WC 30 1-2	WC 30 COMP	WC 31 1-2	WC 31 COMP	WC 32 2-3	WC 32 COMP	WC 33 3-4	WC 33 COMP	WC 34 2-3
	Lab Sample ID			BH70938	BH70939	BH70952	BH70953	BH70954	BH70955	BH70948	BH70949	BH70940	BH70941	BH69806	BH69807	BH69289	BH69290	BH69808	BH69809	BH69810	BH69811	BH68765	BH68766	BH70956	BH70957	BH69794	BH69795	BH68763	BH68764	BH70942
	Date			1/29/2015	1/29/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/5/2015	2/5/2015	2/3/2015	2/3/2015	1/30/2015	1/30/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	1/29/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
630-20-6	1,1,1,2-Tetrachloroethane	VOC	18,000	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
71-55-6	1,1,1-Trichloroethane	VOC	7,200	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
79-34-5	1,1,2,2-Tetrachloroethane	VOC	9.3	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
79-00-5	1,1,2-Trichloroethane	VOC	150	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
92-52-4	1-1- Biphenyl	SVOC	2,200,000		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
75-34-3	1,1-Dichloroethane	VOC	2700	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
75-35-4	1,1-Dichloroethene	VOC	190	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
95-63-6	1,2,4-Trimethylbenzene	VOC	20,000	< 2.5		< 2.5		< 2.4		< 4.4		< 260		< 5.3		< 5.1		< 270		< 270		< 2.3		< 2.7		< 260		< 2.1		< 3.4
96-12-8	1,2-Dibromo-3-Chloropropane	VOC	9.2	< 2.5		< 2.5		< 2.3		< 4.4		< 80		< 5.3		< 5.1		< 80		< 5.0		< 2.3		< 2.3		< 80		< 2.1		< 3.4
106-93-4	1,2-Dibromoethane	VOC	1.2	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
95-50-1	1,2-Dichlorobenzene	VOC	59,000	< 2.5		< 2.5		< 2.3		5.1		< 260		< 5.3		< 5.1		< 270		< 5.0		< 2.3		< 2.3		< 260		< 2.1		0.65
107-06-2	1,2-Dichloroethane	VOC	100	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
78-87-5	1,2-Dichloropropane	VOC	110	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
108-67-8	1,3,5-Trimethylbenzene	VOC	6,200	< 2.5		< 2.5		< 2.4		< 4.4		< 260		< 5.3		< 5.1		< 270		< 270		< 2.3		< 2.7		< 260		< 2.1		< 3.4
541-73-1	1,3-Dichlorobenzene	VOC	61,000	< 2.5		< 2.5		< 2.3		< 4.4		< 260		< 5.3		< 5.1		< 270		< 5.0		< 2.3		< 2.3		< 260		< 2.1		< 3.4
106-46-7	1,4-Dichlorobenzene	VOC	10,000	< 2.5		< 2.5		< 2.3		1.6		< 260		< 5.3		< 5.1		< 270		< 5.0		< 2.3		< 2.3		< 260		< 2.1		< 3.4
123-91-1	1,4-Dioxane	VOC	310	< 50		< 49		< 46		< 88		< 68		< 100		< 100		< 100		< 99		< 45		< 46		< 91		< 41		< 67
78-93-3	2-Butanone	VOC	110,000	< 15		< 15		2.8		< 26		< 20		< 32		< 31		< 34		< 30		< 14		< 14		< 27		< 12		< 20
108-10-1	4-Methyl-2-Pentanone	VOC	6300	< 13		< 12		< 12		< 22		< 17		< 26		< 26		< 29		< 25		< 11		< 12		< 23		< 10		< 17
67-64-1	Acetone	VOC	110,000	< 25		16		18		11		< 34		< 50		< 51		< 50		< 50		< 23		3		< 46		< 21		11
107-02-8	Acrolein	VOC	1.4	< 13		< 12		< 12		< 22		< 17		< 26		< 26		< 29		< 25		< 11		< 12		< 23		< 10		< 17
107-13-1	Acrylonitrile	VOC	37	< 5.0		< 4.9		< 4.6		< 8.8		< 6.8		< 11		< 10		< 11		< 9.9		< 4.5		< 4.6		< 9.1		< 4.1		< 6.7
71-43-2	Benzene	VOC	130	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		6.6		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
92-87-5	Benzidine	SVOC	340		< 530		< 560		< 530		< 570		< 550		< 590		< 530		< 580		< 590		< 530		< 540		< 590		< 540	
74-97-5	Bromochloromethane	VOC	1,600	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
75-27-4	Bromodichloromethane	VOC	3,400	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		1.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
75-25-2	Bromoform	VOC	4,400	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
74-83-9	Bromomethane	VOC	540	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
75-15-0	Carbon Disulfide	VOC	350,000	< 2.5		2.3		0.55		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		3.2
56-23-5	Carbon Tetrachloride	VOC	260	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
108-90-7	Chlorobenzene	VOC	6,100	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
124-48-1	Chlorodibromomethane	VOC	3,200	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
75-00-3	Chloroethane	VOC	19,000	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
67-66-3	Chloroform	VOC	2,500	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		110		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		0.94
74-87-3	Chloromethane	VOC	38	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
156-59-2	cis-1,2-Dichloroethene	VOC	1,600	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
74-95-3	Dibromomethane	VOC	7,700																											
75-71-8	Dichlorodifluoromethane	VOC	100,000	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
100-41-4	Ethylbenzene	VOC	46,000	< 2.5		< 2.5		0.54		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
98-82-8	Isopropylbenzene	VOC	780,000	< 2.5		< 2.5		< 2.3		< 4.4		< 260		< 5.3		< 5.1		< 270		+++IND		< 2.3		< 2.3		< 260		< 2.1		< 3.4
75-09-2	Methylene Chloride	VOC	76	0.55		0.57		0.62		1.3		0.73		2.3		1.7		2.7		2.6		< 2.3		0.45		1.7		< 2.1		1.2
1634-04-4	Methyl Tert-Butyl Ether	VOC	280	< 5.0		< 4.9		< 4.6		< 8.8		< 6.8		< 11		< 10		< 11		< 9.9		< 4.5		< 4.6		< 9.1		< 4.1		< 6.7
91-20-3	Naphthalene	SVOC	25,000		< 250		< 260		< 250		< 260		< 260		< 270		< 250		240		< 280		< 250		< 250		< 280		< 250	
104-51-8	n-Butylbenzene	VOC	2,600,000	< 2.5		< 2.5		< 2.4		< 4.4		< 260		< 5.3		< 5.1		< 270		< 270		< 2.3		< 2.7		< 260		< 2.1		< 3.4
103-65-1	n-Propylbenzene	VOC	290,000	< 2.5		< 2.5		< 2.4		< 4.4		< 260		< 5.3		< 5.1		< 270		< 270		< 2.3		< 2.7		< 260		< 2.1		< 3.4
99-87-6	p-Isoproplytoluene	VOC	NA	< 2.5		< 2.5		< 2.4		< 4.4		< 260		< 5.3		< 5.1		< 270		< 270		< 2.3		< 2.7		< 260		< 2.1		< 3.4
135-98-8	sec-Butylbenzene	VOC	960,000	< 2.5		< 2.5		< 2.4		< 4.4		< 260		< 5.3		< 5.1		< 270		< 270		< 2.3		< 2.7		< 260		< 2.1		< 3.4
100-42-5	Styrene	VOC	24,000	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
98-06-6	tert-Butylbenzene	VOC	740,000	< 2.5		< 2.5		< 2.4		< 4.4		< 260		< 5.3		< 5.1		< 270		< 270		< 2.3		< 2.7		< 260		< 2.1		< 3.4
75-65-0	Tertiary Butyl Alcohol	VOC	NA	< 50		< 49		< 46		< 88		< 68		< 110		< 100		< 110		< 99		< 45		< 46		< 91		< 41		< 67
127-18-4	Tetrachloroethene	VOC	430	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
108-88-3	Toluene	VOC	44,000	< 2.5		< 2.5		< 2.3		< 4.4		0.56		< 5.3		< 5.1		< 5.7		2.6		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
1330-20-7	Total Xylenes	VOC	990,000	< 2.5		< 2.5		2.9		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
156-60-5	trans-1,2-Dichloroethene	VOC	2,300	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
79-01-6	Trichloroethene	VOC	170	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
75-69-4	Trichlorofluoromethane	VOC	87,000	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4
108-05-4	Vinyl Acetate	VOC	14,000	< 25		< 25		< 24		< 44		< 34		< 53		< 51		< 57		< 50		< 23		< 23		< 46		< 21		< 34
75-01-4	Vinyl Chloride	VOC	27	< 2.5		< 2.5		< 2.3		< 4.4		< 3.4		< 5.3		< 5.1		< 5.7		< 5.0		< 2.3		< 2.3		< 4.6		< 2.1		< 3.4

Table 6: Sample Results in Comparison with PADEP Regulated Fill Standard
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	PA WMGR096 Regulated Fill Limits	WC 22 1-2	WC 22 COMP	WC 23 1-2	WC 23 COMP	WC 24 1-2	WC 24 COMP	WC 25 1-2	WC 25 COMP	WC 26 2-3	WC 26 COMP	WC 27 1-2	WC 27 COMP	WC 28 1-2	WC 28 COMP	WC 29 2-3	WC 29 COMP	DUP WC 29 2-3	DUP WC 29 COMP	WC 30 1-2	WC 30 COMP	WC 31 1-2	WC 31 COMP	WC 32 2-3	WC 32 COMP	WC 33 3-4	WC 33 COMP	WC 34 2-3
	Lab Sample ID			BH70938	BH70939	BH70952	BH70953	BH70954	BH70955	BH70948	BH70949	BH70940	BH70941	BH69806	BH69807	BH69289	BH69290	BH69808	BH69809	BH69810	BH69811	BH68765	BH68766	BH70956	BH70957	BH69794	BH69795	BH68763	BH68764	BH70942
	Date			1/29/2015	1/29/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/5/2015	2/5/2015	2/3/2015	2/3/2015	1/30/2015	1/30/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	1/29/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
87-68-3	Hexachlorobutadiene	SVOC	1,200		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
122-66-7	1,2- Diphenylhydrazine	SVOC	580		< 350		< 370		< 360		< 380		< 370		< 390		< 360		< 380		< 390		< 360		< 360		< 390		< 360	
120-82-1	1,2,4-Trichlorobenzene	VOC	27,000	< 2.5		< 2.5		< 2.3		< 4.4		< 260		< 5.3		< 5.1		< 270		< 5.0		< 2.3		< 2.3		< 260		< 2.1		< 3.4
95-94-3	1,2,4,5-Tetrachlorobenzene	SVOC	14,000		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
58-90-2	2,3,4,6-Tetrachlorophenol	SVOC	950,000		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
95-95-4	2,4,5-Trichlorophenol	SVOC	6,100,000		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
88-06-2	2,4,6-Trichlorophenol	SVOC	8,900		< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150	
102-83-2	2,4-Dichlorophenol	SVOC	1,000		< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150	
105-67-9	2,4-Dimethylphenol	SVOC	87,000		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
51-28-5	2,4-Dinitrophenol	SVOC	460		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
121-14-2	2,4-Dinitrotoluene	SVOC	200		< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150	
606-20-2	2,6-Dinitrotoluene	SVOC	3,000		< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150	
91-58-7	2-Chloronaphthalene	SVOC	18,000,000		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
95-57-8	2-Chlorophenol	SVOC	4,400		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
91-57-6	2-Methylnaphthalene	SVOC	8,000,000		< 250		< 260		< 250		< 260		< 260		< 270		< 250		200		< 280		< 250		< 250		< 280		< 250	
95-48-7	2-Methylphenol	SVOC	180,000		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
88-74-4	2-Nitroaniline	SVOC	100		< 1800		< 1900		< 1800		< 1900		< 1800		< 2000		< 1800		< 1900		< 2000		< 1800		< 1800		< 2000		< 1800	
88-75-5	2-Nitrophenol	SVOC	17,000		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
91-94-1	3,3-Dichlorobenzidine	SVOC	32,000		< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150	
99-09-2	3-Nitroaniline	SVOC	91		< 1800		< 1900		< 1800		< 1900		< 1800		< 2000		< 1800		< 1900		< 2000		< 1800		< 1800		< 2000		< 1800	
534-52-1	4,6-Dinitro-2-methylphenol	SVOC	NA		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
59-50-7	4-Chloro-3-methylphenol	SVOC	110,000		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
106-47-8	4-Chloroaniline	SVOC	52,000		< 700		< 750		< 710		< 750		< 740		< 780		< 710		< 770		< 790		< 710		< 710		< 790		< 730	
100-01-6	4-Nitroaniline	SVOC	86		< 1800		< 1900		< 1800		< 1900		< 1800		< 2000		< 1800		< 1900		< 2000		< 1800		< 1800		< 2000		< 1800	
100-02-7	4-Nitrophenol	SVOC	4,100		< 1800		< 1900		< 1800		< 1900		< 1800		< 2000		< 1800		< 1900		< 2000		< 1800		< 1800		< 2000		< 1800	
83-32-9	Acenaphthene	SVOC	4,700,000		< 250		< 260		< 250		180		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
208-96-8	Acenaphthylene	SVOC	6,900,000		< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150	
98-86-2	Acetophenone	SVOC	540,000		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
62-53-3	Aniline	SVOC	340		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330	
120-12-7	Anthracene	SVOC	350,000		< 250		< 260		210		510		< 260		< 270		< 250		310		250		< 250		< 250		< 280		< 250	
1912-24-9	Atrazine	SVOC	130		< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150	
100-52-7	Benzaldehyde	SVOC	NA		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
56-55-3	Benzo-a-Anthracene	SVOC	110,000		< 250		280		880		1200		280		< 270		< 250		990		600		< 250		200		< 280		< 250	
50-32-8	Benzo-a-Pyrene	SVOC	11,000		< 140		280		800		950		280		< 160		< 140		990		550		< 140		190		< 160		< 150	
205-99-2	Benzo-b-Fluoranthene	SVOC	110,000		< 250		480		1300		1600		490		140		< 250		1300		760		< 250		300		< 280		130	
207-08-9	Benzo-k-Fluoranthene	SVOC	610,000		< 250		200		520		590		180		< 270		< 250		540		260		< 250		160		< 280		< 250	
191-24-2	Benzo-g,h,i-Perylene	SVOC	180,000		< 250		< 260		210		220		< 260		< 270		< 250		390		230		< 250		< 250		< 280		< 250	
65-85-0	Benzoic Acid	SVOC	7,800,000		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330	
100-51-6	Benzyl Alcohol	SVOC	1,100,000		< 350		< 370		< 360		< 380		< 370		< 390		< 360		< 380		< 390		< 360		< 360		< 390		< 360	
111-44-4	Bis(2-Chloroethyl)ether	SVOC	17		< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150	
108-60-1	Bis(2-Chloroisopropyl)ether	SVOC	8,000		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
117-81-7	Bis(2-Ethylhexyl)Phthalate	SVOC	130,000		< 250		230		< 250		120		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
85-68-7	Butylbenzylphthalate	SVOC	10,000,000		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
105-60-2	Caprolactam	SVOC	NA		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
86-74-8	Carbazole	SVOC	83,000		< 1800		< 1900		< 1800		350		< 1800		< 2000		< 1800		< 1900		< 2000		< 1800		< 1800		< 2000		< 1800	
218-01-9	Chrysene	SVOC	230,000		< 250		270		820		1100		350		130		< 250		1100		660		< 250		190		< 280		< 250	
75-99-0	Dalapon	SVOC	5,300		< 44		< 46		< 46		< 48		< 46		< 50		< 45		< 49		< 49		< 45		< 45		< 49		< 46	
132-64-9	Dibenzofuran	SVOC	NA		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
53-70-3	Dibenzo-a,h-Anthracene	SVOC	11,000		< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150	
84-66-2	Diethyl Phthalate	SVOC	160,000		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
131-11-3	Dimethyl Phthalate	SVOC	NA		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
84-74-2	Di-n-Butyl Phthalate	SVOC	4,100,000		< 250		< 260		< 250		< 260		< 260		< 270		< 250		130		< 280		< 250		< 250		< 280		< 250	
117-84-0	Di-n-Octyl Phthalate	SVOC	10,000,000		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
206-44-0	Fluoranthene	SVOC	3,200,000		< 250		470		1700		2100		620		170		< 250		1400		1000		< 250		320		< 280		120	
86-73-7	Fluorene	SVOC	3,800,000		< 250		< 260		< 250		190		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
118-74-1	Hexachlorobenzene	SVOC	960		< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150	
77-47-4	Hexachlorocyclopentadiene	SVOC	91,000		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
67-72-1	Hexachloroethane	SVOC	560		< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150	
193-39-5	Indeno(1,2,3-cd)Pyrene	SVOC	110,000		< 250		< 260		200		210		< 260		< 270		< 250		400		240		< 250		< 250		< 280		< 250	
78-59-1	Isophorone	SVOC	1,900		< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150	
98-95-3	Nitrobenzene	SVOC	2200		< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150	
62-75-9	N-Nitrosodimethylamine	SVOC	0.17		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
621-64-7	N-Nitroso-di-n-Propylamine	SVOC	5.1		< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150	
86-30-6	N-Nitrosodiphenylamine	SVOC	83,000		< 140		< 150		< 140		< 150		< 150		< 160		< 140		< 150		< 160		< 140		< 140		< 160		< 150	
87-86-5	Pentachlorophenol	SVOC	5,000		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
85-01-8	Phenanthrene	SVOC	10,000,000		< 140		350		1100		1800		460		170		< 140		1300		1200		< 140		280		< 160		110	
108-95-2	Phenol	SVOC	66,000		< 250		< 260		< 250		< 260		< 260		< 270		< 250		< 270		< 280		< 250		< 250		< 280		< 250	
129-00-0	Pyrene	SVOC	2,200,000		< 250		450		1400		2100		520		170		< 250		1200		830		< 250		270		< 280		< 250	

Table 6: Sample Results in Comparison with PADEP Regulated Fill Standard
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	PA WMGR096 Regulated Fill Limits	WC 22 1-2	WC 22 COMP	WC 23 1-2	WC 23 COMP	WC 24 1-2	WC 24 COMP	WC 25 1-2	WC 25 COMP	WC 26 2-3	WC 26 COMP	WC 27 1-2	WC 27 COMP	WC 28 1-2	WC 28 COMP	WC 29 2-3	WC 29 COMP	DUP WC 29 2-3	DUP WC 29 COMP	WC 30 1-2	WC 30 COMP	WC 31 1-2	WC 31 COMP	WC 32 2-3	WC 32 COMP	WC 33 3-4	WC 33 COMP	WC 34 2-3
	Lab Sample ID			BH70938	BH70939	BH70952	BH70953	BH70954	BH70955	BH70948	BH70949	BH70940	BH70941	BH69806	BH69807	BH69289	BH69290	BH69808	BH69809	BH69810	BH69811	BH68765	BH68766	BH70956	BH70957	BH69794	BH69795	BH68763	BH68764	BH70942
	Date			1/29/2015	1/29/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/5/2015	2/5/2015	2/3/2015	2/3/2015	1/30/2015	1/30/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	1/29/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
93-76-5	2,4,5-T	HERBICIDE	1,500		< 44		< 46		< 46		< 48		< 46		< 50		< 45		< 49		< 49		< 45		< 45		< 49		< 46	
93-72-1	2,4,5-TP Acid	PESTICIDE	22,000		< 44		< 46		< 46		< 48		< 46		< 50		< 45		< 49		< 49		< 45		< 45		< 49		< 46	
94-75-7	2,4-D	HERBICIDE	18,000		< 44		< 46		< 46		< 48		< 46		< 50		< 45		< 49		< 49		< 45		< 45		< 49		< 46	
72-54-8	4,4-DDD	PESTICIDE	30,000		< 2.1		< 2.2		< 2.2		< 2.3		< 2.2		< 2.4		< 2.1		< 12		< 2.3		< 2.1		< 2.1		< 2.4		< 2.2	
72-55-9	4,4-DDE	PESTICIDE	170,000		< 2.1		< 2.2		< 2.2		< 2.3		< 2.2		< 2.4		< 2.1		< 12		< 2.3		< 2.1		< 2.1		< 2.4		< 2.2	
50-29-3	4,4-DDT	PESTICIDE	230,000		< 2.1		< 2.2		< 2.2		< 2.3		< 2.2		< 2.4		< 2.1		< 12		< 2.3		< 2.1		< 2.1		< 2.4		< 2.2	
309-00-2	Aldrin	PESTICIDE	440		< 3.5		< 3.7		< 3.6		< 3.8		< 3.7		< 4.0		< 3.6		< 19		< 3.9		< 3.6		< 3.6		< 3.9		< 3.6	
319-84-6	alpha-BHC	PESTICIDE	190		< 7.0		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2	
5103-71-9	Alpha Chlordane	PESTICIDE	NA		< 3.5		< 3.7		< 3.6		< 3.8		< 3.7		< 4.0		< 3.6		< 19		< 3.9		< 3.6		< 3.6		< 3.9		< 3.6	
12674-11-2	Aroclor 1016	PCB	200,000		< 70		< 73		< 73		850		< 75		< 80		< 72		< 78		< 78		< 71		< 71		< 79		< 72	
1104-28-2	Aroclor 1221	PCB	2500		< 70		< 73		< 73		< 76		< 75		< 80		< 72		< 78		< 78		< 71		< 71		< 79		< 72	
11141-16-5	Aroclor 1232	PCB	2000		< 70		< 73		< 73		< 76		< 75		< 80		< 72		< 78		< 78		< 71		< 71		< 79		< 72	
53469-21-9	Aroclor 1242	PCB	62,000		< 70		< 73		< 73		< 76		< 75		< 80		< 72		< 78		< 78		< 71		< 71		< 79		< 72	
12672-29-6	Aroclor 1248	PCB	44,000		< 70		< 73		< 73		< 76		< 75		< 80		< 72		< 78		< 78		< 71		< 71		< 79		< 72	
11097-69-1	Aroclor 1254	PCB	44,000		< 70		< 73		< 73		< 76		< 75		< 80		< 72		< 78		< 78		< 71		< 71		< 79		< 72	
11096-82-5	Aroclor 1260	PCB	130,000		< 70		< 73		< 73		< 76		< 75		< 80		< 72		430		< 78		< 71		< 71		< 79		< 72	
11096-82-5	Aroclor 1262	PCB	NA		< 70		< 73		< 73		< 76		< 75		< 80		< 72		< 78		< 78		< 71		< 71		< 79		< 72	
37324-23-5	Aroclor 1268	PCB	NA		< 70		< 73		< 73		< 76		< 75		< 80		< 72		< 78		< 78		< 71		< 71		< 79		< 72	
319-85-7	beta-BHC	PESTICIDE	820		< 7.0		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2	
57-74-9	Chlordane	PESTICIDE	49,000		< 35		< 37		< 36		< 38		< 37		< 40		< 36		< 190		< 39		< 36		< 36		< 39		< 36	
319-86-8	delta-BHC	PESTICIDE	30,000		< 7.0		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2	
1918-00-9	Dicamba	HERBICIDE	NA		< 89		< 92		< 91		< 96		< 92		< 99		< 90		< 97		< 99		< 91		< 89		< 98		< 92	
60-57-1	Dieldrin	PESTICIDE	440		< 3.5		< 3.7		< 3.6		< 3.8		< 3.7		< 4.0		< 3.6		< 19		< 3.9		< 3.6		< 3.6		< 3.9		< 3.6	
115-29-7	Endosulfan	PESTICIDE	61,000		< 7.0		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2	
959-98-8	Endosulfan I	PESTICIDE	260,000		< 7.0		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2	
33213-65-9	Endosulfan II	PESTICIDE	260,000		< 7.0		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2	
1031-07-8	Endosulfan Sulfate	PESTICIDE	70,000		< 7.0		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2	
72-20-8	Endrin	PESTICIDE	5,500		< 7.0		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2	
58-89-9	gamma-BHC	PESTICIDE	72		< 1.4		< 1.5		< 1.5		< 10		< 1.5		< 1.6		< 1.4		< 7.7		< 1.6		< 1.4		< 1.4		< 1.6		< 1.4	
5103-74-2	Gamma Chlordane	PESTICIDE	NA		< 3.5		< 3.7		< 3.6		< 3.8		< 3.7		< 4.0		< 3.6		< 19		< 3.9		< 3.6		< 3.6		< 3.9		< 3.6	
76-44-8	Heptachlor	PESTICIDE	680		< 7.0		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2	
1024-57-3	Heptachlor Epoxide	PESTICIDE	1,100		< 7.0		< 7.3		< 7.3		< 7.6		< 7.5		< 8.0		< 7.2		< 38		< 7.8		< 7.1		< 7.1		< 7.9		< 7.2	
72-43-5	Methoxychlor	PESTICIDE	630,000		< 35		< 37		< 36		< 38		< 37		< 40		< 36		< 190		< 39		< 36		< 36		< 39		< 36	
56-38-2	Parathion	PESTICIDE	360,000		< 350		< 370		< 360		< 380		< 370		< 390		< 360		< 380		< 390		< 360		< 360		< 390		< 360	
1336-36-3	Polychlorinated Biphenyls	PESTICIDE	NA		0		0		0		850		0		0		0		430		0		0		0		0		0	
8001-35-2	Toxaphene	PESTICIDE	1,200		< 140		< 150		< 150		< 150		< 150		< 160		< 140		< 770		< 160		< 140		< 140		< 160		< 140	
	Unit		*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
7429-90-5	Aluminum, Al	METAL	190000		1240		5390		3710		4900		3260		1320		1390		3360		3810		2280		3610		1360		1830	
7440-36-0	Antimony, Sb	METAL	27		< 3.2		< 3.5		< 3.4		< 3.9		< 4.0		< 3.9		< 3.5		15.5		18.6		< 3.3		< 3.5		< 4.0		< 3.8	
7440-38-2	Arsenic, As	METAL	53		0.9		3.6		2.5		3.1		5		1		1.1		10.9		9.1		1.9		2.2		1.4		1.9	
7440-39-3	Barium, Ba	METAL	8,200		9.86		52.6		30.9		53.5		70.1		16.4		12.4		254		509		16		32.7		10.3		11.7	
7440-41-7	Beryllium, Be	METAL	320		< 0.26		0.33		< 0.27		< 0.31		0.39		< 0.31		< 0.28		< 0.33		< 0.31		< 0.26		< 0.28		< 0.32		< 0.30	
7440-43-9	Cadmium, Cd	METAL	38		< 0.32		0.72		< 0.34		5.41		< 0.40		< 0.39		< 0.35		2.21		1.06		< 0.33		< 0.35		< 0.40		< 0.38	
7440-47-3	Chromium, Cr	METAL	NA		4.06		15.4		9.19		24.4		10.7		4.86		4.5		287		121		10.4		11.1		4.43		8.39	
18540-29-9	Chromium, hexavalent	METAL	190		< 0.43		< 0.45		< 0.42		0.98		< 0.45		< 0.48		< 0.43		< 0.45		2.08		< 0.42		< 0.43		< 0.46		< 0.44	
16065-83-1	Chromium, trivalent	METAL	190,000		4.06		15.4		9.19		23.4		10.7		4.86		4.5		287		119		10.4		11.1		4.43		8.39	
7440-48-4	Cobalt, Co	METAL	22		1.2		4.74		2.81		3.55		3.84		1.25		1.26		34.8		28.1		2.02		3.48		1.55		1.81	
7440-50-8	Copper, Cu	METAL	36,000		6.22		21.7		13.3		29.6		16.6		4.21		1.57		2930		8320		6.45		15.6		3.18		6.59	
57-12-5	Cyanide	METAL	200 (free)		< 0.48		< 0.56		< 0.55		< 0.53		< 0.56		< 0.60		0.66		1.32		0.63		4.16		< 0.54		< 0.54		< 0.51	
7439-89-6	Iron, Fe	METAL	190000		2880		9370		7110		10200		6440		2740		2710		96000		45300		4650		7310		2980		4800	
7439-92-1	Lead, Pb	METAL	1000		18.7		93.6		42.2		238		61		30.6		19.3		505		594		39.6		54.4		12.3		13.2	
7439-96-5	Manganese, Mn	METAL	190,000		51.9		146		110		148		103		35.4		30.2		570		336		53.8		125		34.3		50.6	
7439-97-6	Mercury, Hg	METAL	10		0.04		0.25		0.15		0.21		0.09		< 0.03		0.05		0.1		0.09		< 0.03		0.09		0.08		< 0.03	
7440-02-0	Nickel, Ni	METAL	650		4.35		17.7		11.7		16.2		12.2		4.13		4.13		151		82.8		7.56		14.1		4.95		6.67	
7782-49-2	Selenium, Se	METAL	26		< 1.3		< 1.4		< 1.4		< 1.6		< 1.6		< 1.6		< 1.4		< 1.6		< 1.5		< 1.3		< 1.4		< 1.6		< 1.5	
7440-22-4	Silver, Ag	METAL	84		< 0.32		< 0.35		< 0.34		< 0.39		< 0.40		< 0.39		< 0.35		0.63		2.28		< 0.33		< 0.35		< 0.40		< 0.38	
7440-28-0	Thallium, Ti	METAL	14		< 2.9		< 3.2		< 3.1		< 3.5		< 3.6		< 3.5		< 3.2		< 3.7		< 3.5		< 2.9		< 3.1		< 3.6		< 3.4	
7440-62-2	Vanadium, V	METAL	72,000		4.94		18.6		12.1		16.1		9.98		6.21		4.55		31.3		22.5		7.45		10.4		5.18		6.57	
7440-66-6	Zinc, Zn	METAL	12,000		22.9		91		52.3		495		97.5		30.5		16.4		1030		600		50		51.4		23.4		16	
	pH	pH	NA		8.85		12		11.69		11.94		9.36		10.75		9.39		8.14		8.44		9.07		9.61		9.07		10.26	
	TPH	TPH	NA		<53		<55		<54		<58		<56		<60		< 54		660		280		< 55		<53		<58		< 54	

Notes: Shaded values indicate an exceedance of PA Regulated Fill Standard Limits.

Notes
ug/kg = micrograms per kilogram (ppb)
mg/kg = milligrams per kilogram (ppm)
ug/L = micrograms per liter
mg/L = milligrams per liter

Table 6: Sample Results in Comparison with PADEP Regulated Fill Standard
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	PA WMGR096 Regulated Fill Limits	WC 34 COMP	WC 35 1-2	WC 35 COMP	WC 36 2-3	WC 36 COMP	WC 37 4-5	WC 37 COMP	WC 38 1-2	WC 38 COMP	WC 39 2-3	WC 39 COMP	WC 40 1-2	WC 40 COMP	WC 41 1-2	WC 41 COMP	WC 42 1-2	WC 42 COMP	WC 43 1-2	WC 43 COMP	WC 44 1-2	WC 44 COMP	WC 45 2-3	WC 45 COMP	DUP WC 45 2-3	DUP WC 45 COMP	WC 46 2-3	WC 46 COMP
	Lab Sample ID			BH70943	BH69796	BH69797	BH68761	BH68762	BH70548	BH70549	BH70550	BH70551	BH70950	BH70951	BH69798	BH69799	BH68759	BH68760	BH70544	BH70545	BH70552	BH70553	BH70570	BH70571	BH70566	BH70567	BH70568	BH70569	BH68757	BH68758
	Date			1/29/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	1/29/2015	1/29/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
630-20-6	1,1,1,2-Tetrachloroethane	VOC	18,000		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
71-55-6	1,1,1-Trichloroethane	VOC	7,200		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
79-34-5	1,1,2,2-Tetrachloroethane	VOC	9.3		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
79-00-5	1,1,2-Trichloroethane	VOC	150		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
92-52-4	1-1- Biphenyl	SVOC	2,200,000	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
75-34-3	1,1-Dichloroethane	VOC	2700		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
75-35-4	1,1-Dichloroethene	VOC	190		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
95-63-6	1,2,4-Trimethylbenzene	VOC	20,000		< 5.1		< 250		< 3.3		< 250		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3	
96-12-8	1,2-Dibromo-3-Chloropropane	VOC	9.2		< 5.1		< 250		< 3.3		< 80		< 3.0		< 80		< 2.6		< 4.9		< 2.3		< 80		< 80		< 80		< 2.3	
106-93-4	1,2-Dibromoethane	VOC	1.2		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
95-50-1	1,2-Dichlorobenzene	VOC	59,000		< 5.1		< 250		< 3.3		< 250		< 3.0		< 640		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3	
107-06-2	1,2-Dichloroethane	VOC	100		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
78-87-5	1,2-Dichloropropane	VOC	110		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
108-67-8	1,3,5-Trimethylbenzene	VOC	6,200		< 5.1		< 250		< 3.3		< 250		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3	
541-73-1	1,3-Dichlorobenzene	VOC	61,000		< 5.1		< 250		< 3.3		< 250		< 3.0		< 640		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3	
106-46-7	1,4-Dichlorobenzene	VOC	10,000		< 5.1		< 250		< 3.3		< 250		< 3.0		< 640		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3	
123-91-1	1,4-Dioxane	VOC	310		< 100		< 47		< 65		< 52		< 60		< 83		< 51		< 97		< 45		< 48		< 100		< 86		< 46	
78-93-3	2-Butanone	VOC	110,000		< 30		< 14		< 20		< 16		< 18		< 25		< 15		< 29		< 14		< 14		< 35		< 26		< 14	
108-10-1	4-Methyl-2-Pentanone	VOC	6300		< 25		< 12		< 16		< 13		< 15		< 21		< 13		< 24		< 11		< 12		< 29		< 22		< 12	
67-64-1	Acetone	VOC	110,000		< 50		2.6		< 33		3.6		< 30		< 42		< 26		< 49		6.5		< 24		< 50		< 43		4.2	
107-02-8	Acrolein	VOC	1.4		< 25		< 12		< 16		< 13		< 15		< 21		< 13		< 24		< 11		< 12		< 29		< 22		< 12	
107-13-1	Acrylonitrile	VOC	37		< 10		< 4.7		< 6.5		< 5.2		< 6.0		< 8.3		< 5.1		< 9.7		< 4.5		< 4.8		< 12		< 8.6		< 4.6	
71-43-2	Benzene	VOC	130		< 5.1		66		< 3.3		< 2.6		< 3.0		0.97		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
92-87-5	Benzidine	SVOC	340	< 540		< 560		< 570		< 540		< 2700		< 560		< 560		< 2600		< 700		< 550		< 560		< 560		< 570		< 540
74-97-5	Bromochloromethane	VOC	1,600		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
75-27-4	Bromodichloromethane	VOC	3,400		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
75-25-2	Bromoform	VOC	4,400		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
74-83-9	Bromomethane	VOC	540		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
75-15-0	Carbon Disulfide	VOC	350,000		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
56-23-5	Carbon Tetrachloride	VOC	260		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
108-90-7	Chlorobenzene	VOC	6,100		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
124-48-1	Chlorodibromomethane	VOC	3,200		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
75-00-3	Chloroethane	VOC	19,000		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
67-66-3	Chloroform	VOC	2,500		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
74-87-3	Chloromethane	VOC	38		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
156-59-2	cis-1,2-Dichloroethene	VOC	1,600		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
74-95-3	Dibromomethane	VOC	7,700																											
75-71-8	Dichlorodifluoromethane	VOC	100,000		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
100-41-4	Ethylbenzene	VOC	46,000		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
98-82-8	Isopropylbenzene	VOC	780,000		< 5.1		< 250		< 3.3		< 250		< 3.0		< 640		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3	
75-09-2	Methylene Chloride	VOC	76		1.6		< 2.4		1.7		1.5		0.76		< 4.2		< 2.6		1.5		1		0.72		2.4		1.1		< 2.3	
1634-04-4	Methyl Tert-Butyl Ether	VOC	280		< 10		< 4.7		< 6.5		< 5.2		< 6.0		< 8.3		< 5.1		< 9.7		< 4.5		< 4.8		< 12		< 8.6		< 4.6	
91-20-3	Naphthalene	SVOC	25,000	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		130		< 250
104-51-8	n-Butylbenzene	VOC	2,600,000		< 5.1		< 250		< 3.3		< 250		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3	
103-65-1	n-Propylbenzene	VOC	290,000		< 5.1		< 250		< 3.3		< 250		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3	
99-87-6	p-Isoproplytoluene	VOC	NA		< 5.1		< 250		< 3.3		< 250		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3	
135-98-8	sec-Butylbenzene	VOC	960,000		< 5.1		< 250		< 3.3		< 250		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3	
100-42-5	Styrene	VOC	24,000		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
98-06-6	tert-Butylbenzene	VOC	740,000		< 5.1		< 250		< 3.3		< 250		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3	
75-65-0	Tertiary Butyl Alcohol	VOC	NA		< 100		< 47		< 65		< 52		< 60		< 83		< 51		< 97		< 45		< 48		< 120		< 86		< 46	
127-18-4	Tetrachloroethene	VOC	430		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
108-88-3	Toluene	VOC	44,000		< 5.1		140		< 3.3		< 2.6		< 3.0		200		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
1330-20-7	Total Xylenes	VOC	990,000		< 5.1		< 250		< 3.3		< 2.6		< 3.0		550		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
156-60-5	trans-1,2-Dichloroethene	VOC	2,300		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
79-01-6	Trichloroethene	VOC	170		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
75-69-4	Trichlorofluoromethane	VOC	87,000		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	
108-05-4	Vinyl Acetate	VOC	14,000		< 51		< 24		< 33		< 26		< 30		< 42		< 26		< 49		< 23		< 24		< 59		< 43		< 23	
75-01-4	Vinyl Chloride	VOC	27		< 5.1		< 2.4		< 3.3		< 2.6		< 3.0		< 4.2		< 2.6		< 4.9		< 2.3		< 2.4		< 5.9		< 4.3		< 2.3	

Table 6: Sample Results in Comparison with PADEP Regulated Fill Standard
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	PA WMGR096 Regulated Fill Limits	WC 34 COMP	WC 35 1-2	WC 35 COMP	WC 36 2-3	WC 36 COMP	WC 37 4-5	WC 37 COMP	WC 38 1-2	WC 38 COMP	WC 39 2-3	WC 39 COMP	WC 40 1-2	WC 40 COMP	WC 41 1-2	WC 41 COMP	WC 42 1-2	WC 42 COMP	WC 43 1-2	WC 43 COMP	WC 44 1-2	WC 44 COMP	WC 45 2-3	WC 45 COMP	DUP WC 45 2-3	DUP WC 45 COMP	WC 46 2-3	WC 46 COMP
	Lab Sample ID			BH70943	BH69796	BH69797	BH68761	BH68762	BH70548	BH70549	BH70550	BH70551	BH70950	BH70951	BH69798	BH69799	BH68759	BH68760	BH70544	BH70545	BH70552	BH70553	BH70570	BH70571	BH70566	BH70567	BH70568	BH70569	BH68757	BH68758
	Date			1/29/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	1/29/2015	1/29/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
87-68-3	Hexachlorobutadiene	SVOC	1,200	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
122-66-7	1,2- Diphenylhydrazine	SVOC	580	< 360		< 380		< 380		< 360		< 1800		< 370		< 370		< 1800		< 700		< 370		< 370		< 370		< 380		< 360
120-82-1	1,2,4-Trichlorobenzene	VOC	27,000		< 5.1		< 250		< 3.3		< 250		< 3.0		< 640		< 2.6		< 4.9		< 2.3		< 240		< 250		< 260		< 2.3	
95-94-3	1,2,4,5-Tetrachlorobenzene	SVOC	14,000	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
58-90-2	2,3,4,6-Tetrachlorophenol	SVOC	950,000	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
95-95-4	2,4,5-Trichlorophenol	SVOC	6,100,000	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
88-06-2	2,4,6-Trichlorophenol	SVOC	8,900	< 150		< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140
102-83-2	2,4-Dichlorophenol	SVOC	1,000	< 150		< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140
105-67-9	2,4-Dimethylphenol	SVOC	87,000	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
51-28-5	2,4-Dinitrophenol	SVOC	460	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
121-14-2	2,4-Dinitrotoluene	SVOC	200	< 150		< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140
606-20-2	2,6-Dinitrotoluene	SVOC	3,000	< 150		< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140
91-58-7	2-Chloronaphthalene	SVOC	18,000,000	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
95-57-8	2-Chlorophenol	SVOC	4,400	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
91-57-6	2-Methylnaphthalene	SVOC	8,000,000	< 250		< 260		< 260		< 250		< 1200		< 260		120		< 1200		< 510		< 260		< 260		< 260		120		< 250
95-48-7	2-Methylphenol	SVOC	180,000	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 330		< 260		< 260		< 260		< 270		< 250
88-74-4	2-Nitroaniline	SVOC	100	< 1800		< 1900		< 1900		< 1800		< 8900		< 1900		< 1900		< 8800		< 3600		< 1800		< 1900		< 1900		< 1900		< 1800
88-75-5	2-Nitrophenol	SVOC	17,000	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
91-94-1	3,3-Dichlorobenzidine	SVOC	32,000	< 150		< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140
99-09-2	3-Nitroaniline	SVOC	91	< 1800		< 1900		< 1900		< 1800		< 8900		< 1900		< 1900		< 8800		< 3600		< 1800		< 1900		< 1900		< 1900		< 1800
534-52-1	4,6-Dinitro-2-methylphenol	SVOC	NA	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
59-50-7	4-Chloro-3-methylphenol	SVOC	110,000	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
106-47-8	4-Chloroaniline	SVOC	52,000	< 730		< 750		< 760		< 720		< 3600		< 750		< 750		< 3500		< 1500		< 730		< 750		< 750		< 760		< 720
100-01-6	4-Nitroaniline	SVOC	86	< 1800		< 1900		< 1900		< 1800		< 8900		< 1900		< 1900		< 8800		< 3600		< 1800		< 1900		< 1900		< 1900		< 1800
100-02-7	4-Nitrophenol	SVOC	4,100	< 1800		< 1900		< 1900		< 1800		< 8900		< 1900		< 1900		< 8800		< 3600		< 1800		< 1900		< 1900		< 1900		< 1800
83-32-9	Acenaphthene	SVOC	4,700,000	< 250		< 260		< 260		< 250		< 1200		440		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
208-96-8	Acenaphthylene	SVOC	6,900,000	< 150		< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140
98-86-2	Acetophenone	SVOC	540,000	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
62-53-3	Aniline	SVOC	340	< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330
120-12-7	Anthracene	SVOC	350,000	< 250		< 260		< 260		< 250		< 1200		1200		< 260		810		< 510		< 260		300		< 260		250		< 250
1912-24-9	Atrazine	SVOC	130	< 150		< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140
100-52-7	Benzaldehyde	SVOC	NA	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
56-55-3	Benzo-a-Anthracene	SVOC	110,000	130		330		490		190		620		3100		190		5000		< 510		< 260		830		180		710		140
50-32-8	Benzo-a-Pyrene	SVOC	11,000	130		400		530		190		< 710		2500		200		4300		< 200		< 150		780		180		640		130
205-99-2	Benzo-b-Fluoranthene	SVOC	110,000	200		490		680		260		650		4200		270		5800		300		130		1100		270		930		190
207-08-9	Benzo-k-Fluoranthene	SVOC	610,000	< 250		190		230		< 250		< 1200		1300		< 260		2000		< 510		< 260		380		< 260		330		< 250
191-24-2	Benzo-g,h,i-Perylene	SVOC	180,000	< 250		400		390		< 250		< 1200		640		160		2000		< 510		< 260		390		120		350		< 250
65-85-0	Benzoic Acid	SVOC	7,800,000	< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330
100-51-6	Benzyl Alcohol	SVOC	1,100,000	< 360		< 380		< 380		< 360		< 1800		< 370		< 370		< 1800		< 730		< 370		< 370		< 370		< 380		< 360
111-44-4	Bis(2-Chloroethyl)ether	SVOC	17	< 150		< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140
108-60-1	Bis(2-Chloroisopropyl)ether	SVOC	8,000	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
117-81-7	Bis(2-Ethylhexyl)Phthalate	SVOC	130,000	< 250		< 260		< 260		< 250		< 1200		940		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
85-68-7	Butylbenzylphthalate	SVOC	10,000,000	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
105-60-2	Caprolactam	SVOC	NA	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
86-74-8	Carbazole	SVOC	83,000	< 1800		< 1900		< 1900		< 1800		< 8900		820		< 1900		< 8800		< 3600		< 1800		< 1900		< 1900		< 1900		< 1800
218-01-9	Chrysene	SVOC	230,000	170		420		550		220		620		2800		230		4800		< 510		< 260		910		230		840		160
75-99-0	Dalapon	SVOC	5,300	< 46		< 48		< 47		< 46		< 45		< 48		< 46		< 45		< 46		< 46		< 46		< 47		< 47		< 45
132-64-9	Dibenzofuran	SVOC	NA	< 250		< 260		< 260		< 250		< 1200		240		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
53-70-3	Dibenzo-a,h-Anthracene	SVOC	11,000	< 150		< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 200		< 150		< 150		< 150		< 150		< 140
84-66-2	Diethyl Phthalate	SVOC	160,000	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
131-11-3	Dimethyl Phthalate	SVOC	NA	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
84-74-2	Di-n-Butyl Phthalate	SVOC	4,100,000	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
117-84-0	Di-n-Octyl Phthalate	SVOC	10,000,000	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
206-44-0	Fluoranthene	SVOC	3,200,000	200		530		880		330		1300		5500		340		7200		480		180		1500		410		1800		230
86-73-7	Fluorene	SVOC	3,800,000	< 250		< 260		< 260		< 250		< 1200		420		< 260		< 1200		< 510		< 260		< 260		< 260		130		< 250
118-74-1	Hexachlorobenzene	SVOC	960	< 150		< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140
77-47-4	Hexachlorocyclopentadiene	SVOC	91,000	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
67-72-1	Hexachloroethane	SVOC	560	< 150		< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140
193-39-5	Indeno(1,2,3-cd)Pyrene	SVOC	110,000	< 250		330		410		< 250		< 1200		620		140		2300		< 500		< 260		440		130		410		< 250
78-59-1	Isophorone	SVOC	1,900	< 150		< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140
98-95-3	Nitrobenzene	SVOC	2200	< 150		< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140
62-75-9	N-Nitrosodimethylamine	SVOC	0.17	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
621-64-7	N-Nitroso-di-n-Propylamine	SVOC	5.1	< 150		< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 200		< 150		< 150		< 150		< 150		< 140
86-30-6	N-Nitrosodiphenylamine	SVOC	83,000	< 150		< 150		< 150		< 140		< 710		< 150		< 150		< 700		< 290		< 150		< 150		< 150		< 150		< 140
87-86-5	Pentachlorophenol	SVOC	5,000	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 510		< 260		< 260		< 260		< 270		< 250
85-01-8	Phenanthrene	SVOC	10,000,000	180		550		730		260		800		4000		310		3000		280		130		960		260		1500		180
108-95-2	Phenol	SVOC	66,000	< 250		< 260		< 260		< 250		< 1200		< 260		< 260		< 1200		< 330		< 260		< 260		< 260		< 270		< 250
129-00-0	Pyrene	SVOC	2,200,000	210		440		750		290		1200		4900		270		6200		460		160		1400		360		1400		190

Table 6: Sample Results in Comparison with PADEP Regulated Fill Standard
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	PA WMGR096 Regulated Fill Limits	WC 34 COMP	WC 35 1-2	WC 35 COMP	WC 36 2-3	WC 36 COMP	WC 37 4-5	WC 37 COMP	WC 38 1-2	WC 38 COMP	WC 39 2-3	WC 39 COMP	WC 40 1-2	WC 40 COMP	WC 41 1-2	WC 41 COMP	WC 42 1-2	WC 42 COMP	WC 43 1-2	WC 43 COMP	WC 44 1-2	WC 44 COMP	WC 45 2-3	WC 45 COMP	DUP WC 45 2-3	DUP WC 45 COMP	WC 46 2-3	WC 46 COMP
	Lab Sample ID			BH70943	BH69796	BH69797	BH68761	BH68762	BH70548	BH70549	BH70550	BH70551	BH70950	BH70951	BH69798	BH69799	BH68759	BH68760	BH70544	BH70545	BH70552	BH70553	BH70570	BH70571	BH70566	BH70567	BH70568	BH70569	BH68757	BH68758
	Date			1/29/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	1/29/2015	1/29/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	1/29/2015	1/29/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
93-76-5	2,4,5-T	HERBICIDE	1,500	< 46		< 48		< 47		< 46		< 45		< 48		< 46		< 45		< 46		< 46		< 46		< 47		< 47		< 45
93-72-1	2,4,5-TP Acid	PESTICIDE	22,000	< 46		< 48		< 47		< 46		< 45		< 48		< 46		< 45		< 46		< 46		< 46		< 47		< 47		< 45
94-75-7	2,4-D	HERBICIDE	18,000	< 46		< 48		< 47		< 46		< 45		< 48		< 46		< 45		< 46		< 46		< 46		< 47		< 47		< 45
72-54-8	4,4-DDD	PESTICIDE	30,000	< 2.2		< 2.3		< 2.2		< 2.2		< 2.1		< 2.3		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2		< 2.1
72-55-9	4,4-DDE	PESTICIDE	170,000	< 2.2		< 2.3		< 2.2		< 2.2		< 2.1		< 2.3		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2		< 2.1
50-29-3	4,4-DDT	PESTICIDE	230,000	< 2.2		< 2.3		< 2.2		< 2.2		< 2.1		< 2.3		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2		< 2.2		< 2.1
309-00-2	Aldrin	PESTICIDE	440	< 3.7		< 3.8		< 3.7		< 3.7		< 3.6		< 3.8		< 3.7		< 3.6		< 3.6		< 3.6		< 3.6		< 3.7		< 3.7		< 3.6
319-84-6	alpha-BHC	PESTICIDE	190	< 7.4		< 7.6		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5		< 7.1
5103-71-9	Alpha Chlordane	PESTICIDE	NA	< 3.7		< 3.8		< 3.7		11		< 3.6		< 3.8		< 3.7		< 3.6		< 3.6		< 3.6		< 3.6		< 3.7		< 3.7		< 3.6
12674-11-2	Aroclor 1016	PCB	200,000	< 74		< 76		< 75		< 74		< 72		870		< 73		< 72		< 73		< 73		< 73		< 74		< 75		< 71
1104-28-2	Aroclor 1221	PCB	2500	< 74		< 76		< 75		< 74		< 72		< 75		< 73		< 72		< 73		< 73		< 73		< 74		< 75		< 71
11141-16-5	Aroclor 1232	PCB	2000	< 74		< 76		< 75		< 74		< 72		< 75		< 73		< 72		< 73		< 73		< 73		< 74		< 75		< 71
53469-21-9	Aroclor 1242	PCB	62,000	< 74		< 76		< 75		< 74		< 72		< 75		< 73		< 72		< 73		< 73		< 73		< 74		< 75		< 71
12672-29-6	Aroclor 1248	PCB	44,000	< 74		< 76		< 75		< 74		< 72		< 75		< 73		< 72		< 73		< 73		< 73		< 74		< 75		< 71
11097-69-1	Aroclor 1254	PCB	44,000	< 74		< 76		< 75		< 74		< 72		< 75		< 73		< 72		< 73		< 73		< 73		< 74		< 75		< 71
11096-82-5	Aroclor 1260	PCB	130,000	< 74		< 76		< 75		< 74		< 72		< 75		< 73		< 72		< 73		< 73		< 73		< 74		< 75		< 71
11096-82-5	Aroclor 1262	PCB	NA	< 74		< 76		< 75		< 74		< 72		< 75		< 73		< 72		< 73		< 73		< 73		< 74		< 75		< 71
37324-23-5	Aroclor 1268	PCB	NA	< 74		< 76		< 75		< 74		< 72		< 75		< 73		< 72		< 73		< 73		< 73		< 74		< 75		< 71
319-85-7	beta-BHC	PESTICIDE	820	< 7.4		< 7.6		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5		< 7.1
57-74-9	Chlordane	PESTICIDE	49,000	< 37		< 38		< 37		71		< 36		< 38		< 37		< 36		< 36		< 36		< 36		< 37		< 37		< 36
319-86-8	delta-BHC	PESTICIDE	30,000	< 7.4		< 7.6		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5		< 7.1
1918-00-9	Dicamba	HERBICIDE	NA	< 93		< 96		< 94		< 92		< 90		< 96		< 93		< 89		< 93		< 93		< 92		< 94		< 95		< 90
60-57-1	Dieldrin	PESTICIDE	440	< 3.7		< 3.8		< 3.7		< 3.7		< 3.6		< 3.8		< 3.7		< 3.6		< 3.6		< 3.6		< 3.6		< 3.7		< 3.7		< 3.6
115-29-7	Endosulfan	PESTICIDE	61,000	< 7.4		< 7.6		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5		< 7.1
959-98-8	Endosulfan I	PESTICIDE	260,000	< 7.4		< 7.6		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5		< 7.1
33213-65-9	Endosulfan II	PESTICIDE	260,000	< 7.4		< 7.6		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5		< 7.1
1031-07-8	Endosulfan Sulfate	PESTICIDE	70,000	< 7.4		< 7.6		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5		< 7.1
72-20-8	Endrin	PESTICIDE	5,500	< 7.4		< 7.6		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5		< 7.1
58-89-9	gamma-BHC	PESTICIDE	72	< 1.5		< 1.5		< 1.5		< 1.5		< 1.4		< 10		< 1.5		< 1.4		< 1.5		< 1.5		< 1.5		< 1.5		< 1.5		< 1.4
5103-74-2	Gamma Chlordane	PESTICIDE	NA	< 3.7		< 3.8		< 3.7		11		< 3.6		< 3.8		< 3.7		< 3.6		< 3.6		< 3.6		< 3.6		< 3.7		< 3.7		< 3.6
76-44-8	Heptachlor	PESTICIDE	680	< 7.4		< 7.6		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5		< 7.1
1024-57-3	Heptachlor Epoxide	PESTICIDE	1,100	< 7.4		< 7.6		< 7.5		< 7.4		< 7.2		< 7.5		< 7.3		< 7.2		< 7.3		< 7.3		< 7.3		< 7.4		< 7.5		< 7.1
72-43-5	Methoxychlor	PESTICIDE	630,000	< 37		< 38		< 37		< 37		< 36		< 38		< 37		< 36		< 36		< 36		< 36		< 37		< 37		< 36
56-38-2	Parathion	PESTICIDE	360,000	< 360		< 380		< 380		< 5		< 5		< 370		< 370		< 350		< 5		< 5		< 5		< 5		< 5		< 360
1336-36-3	Polychlorinated Biphenyls	PESTICIDE	NA	0		0		0		0		0		870		0		0		0		0		0		0		0		0
8001-35-2	Toxaphene	PESTICIDE	1,200	< 150		< 150		< 150		< 150		< 140		< 150		< 150		< 140		< 150		< 150		< 150		< 150		< 150		< 140
	Unit		*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
7429-90-5	Aluminum, Al	METAL	190000	3390		2850		2900		4000		5020		10100		2110		2130		5970		3690		2470		3150		1890		2150
7440-36-0	Antimony, Sb	METAL	27	< 3.3		< 3.4		< 3.7		< 3.5		< 3.8		< 10		< 3.8		< 3.3		< 3.3		< 3.5		< 3.5		< 4.1		< 3.5		< 3.7
7440-38-2	Arsenic, As	METAL	53	4.3		5.1		4		2.6		5		4.5		2.2		2.6		4.9		2.3		3.1		3.5		4.2		2.1
7440-39-3	Barium, Ba	METAL	8,200	44.1		44.6		82.5		37.5		46.1		96.1		30.2		110		59.3		29.2		128		94.9		111		38.7
7440-41-7	Beryllium, Be	METAL	320	0.32		0.3		< 0.30		< 0.28		0.31		0.35		< 0.31		< 0.26		0.34		< 0.28		< 0.28		< 0.32		< 0.28		< 0.30
7440-43-9	Cadmium, Cd	METAL	38	0.37		< 0.34		< 0.37		0.87		0.67		20.6		< 0.38		< 0.33		< 0.33		0.6		0.64		< 0.41		< 0.35		< 0.37
7440-47-3	Chromium, Cr	METAL	NA	11.1		8.64		9.27		13.2		14.7		58.9		7.2		7.11		14.5		10.6		10.7		8.61		7.92		7.2
18540-29-9	Chromium, hexavalent	METAL	190	< 0.44		< 0.47		< 0.45		< 0.43		< 0.42		1.14		< 0.45		< 0.43		< 0.45		< 0.45		< 0.45		< 0.45		< 0.46		< 0.43
16065-83-1	Chromium, trivalent	METAL	190,000	11.1		8.64		9.27		13.2		14.7		57.8		7.2		7.11		14.5		10.6		10.7		8.61		7.92		7.2
7440-48-4	Cobalt, Co	METAL	22	4.44		4.19		4.14		4.26		6.14		4.65		1.9		1.8		4.81		3.44		2.34		2.79		2.38		1.92
7440-50-8	Copper, Cu	METAL	36,000	18.5		17.6		23.2		21.7		55.2		59.9		11		25.5		16.2		14.4		73.1		39.1		31.9		18.4
57-12-5	Cyanide	METAL	200 (free)	< 0.56		< 0.58		< 0.57		< 0.51		< 0.54		< 0.57		< 0.56		< 0.54		< 0.56		< 0.51		< 0.47		< 0.57		< 0.57		< 0.49
7439-89-6	Iron, Fe	METAL	190000	12100		7930		7140		8860		12300		15400		4820		4260		10800		8870		7540		5960		6210		4600
7439-92-1	Lead, Pb	METAL	1000	50.9		35.2		188		65.4		88.5		712		72.6		212		57.8		41.8		253		207		212		84.8
7439-96-5	Manganese, Mn	METAL	190,000	138		110		114		136		333		217		54.7		61.8		234		113		101		98.2		64.1		66.5
7439-97-6	Mercury, Hg	METAL	10	0.1		0.65		0.1		0.05		0.09		0.4		0.08		0.42		0.21		0.07		0.48		0.53		0.18		0.2
7440-02-0	Nickel, Ni	METAL	650	11		10.3		9.85		18.6		22.3		23.1		6.29		6.31		19.8		16.6		9.81		9.78		7.95		6.11
7782-49-2	Selenium, Se	METAL	26	< 1.3		< 1.4		< 1.5		< 1.4		< 1.5		< 1.6		< 1.5		< 1.3		< 1.3		< 1.4		< 1.4		< 1.6		< 1.4		< 1.5
7440-22-4	Silver, Ag	METAL	84	< 0.33		< 0.34		< 0.37		< 0.35		< 0.38		< 1.0		< 0.38		< 0.33		< 0.33		< 0.35		< 0.35		< 0.41		< 0.35		< 0.37
7440-28-0	Thallium, Ti	METAL	14	< 3.0		< 3.1		< 3.4		< 3.1		< 3.4		< 3.5		< 3.5		< 2.9		< 3.0		< 3.1		< 3.2		< 3.7		< 3.1		< 3.4
7440-62-2	Vanadium, V	METAL	72,000	14.6		11.3		12.6		13.1		20.2		25		6.69		7.51		17.5		11.2		9.11		12.7		9.61		7.57
7440-66-6	Zinc, Zn	METAL	12,000	109		51		102		102		95.6		840		57.6		188		75.9		64.7		236		164		153		84.3
	pH	pH	NA	10.51		9.48		10.52		9.48		9.11		11.2		9.01		11.09		10.29		11.73		9.03		9.02		8.91		10.92
	TPH	TPH	NA	<54		<57		< 56		< 55		58		75		<56		< 53		< 55		< 55		< 55		< 57		< 56		< 53

Notes: Shaded values indicate an exceedance of PA Regulated Fill Standard Limits.

Notes
ug/kg = micrograms per kilogram (ppb)
mg/kg = milligrams per kilogram (ppm)
ug/L = micrograms per liter
mg/L = milligrams per liter

Table 6: Sample Results in Comparison with PADEP Regulated Fill Standard
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	PA WMGR096 Regulated Fill Limits	WC 47 2-3	WC 47 COMP	WC 48 2-3	WC 48 COMP	WC 49 1-2	WC 49 COMP	WC 50 2-3	WC 50 COMP	WC 51 2-3	WC 51 COMP	DUP WC 51 2-3	DUP WC 51 COMP	WC 52 2-3 GRAB	WC 52 2-3 COMP	WC 53 6-7 GRAB	WC 53 COMP	WC 54 3-4 GRAB	WC 54 COMP	WC 55 2-3	WC 55 COMP	WC 56 4-5 GRAB	WC 56 COMP	WC 57 2-3	WC 57 COMP
	Lab Sample ID			BH70546	BH70547	BH70542	BH70543	BH70560	BH70561	BH70558	BH70559	BH70554	BH70555	BH70556	BH70557	BH67409	BH67410	BH67413	BH67414	BH67415	BH67416	BH68755	BH68756	BH67411	BH67412	BH68753	BH68754
	Date			2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/29/2015	1/29/2015	1/26/2015	1/26/2015	1/29/2015	1/29/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
630-20-6	1,1,1,2-Tetrachloroethane	VOC	18,000	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
71-55-6	1,1,1-Trichloroethane	VOC	7,200	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
79-34-5	1,1,2,2-Tetrachloroethane	VOC	9.3	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
79-00-5	1,1,2-Trichloroethane	VOC	150	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
92-52-4	1-1- Biphenyl	SVOC	2,200,000		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
75-34-3	1,1-Dichloroethane	VOC	2700	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
75-35-4	1,1-Dichloroethene	VOC	190	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
95-63-6	1,2,4-Trimethylbenzene	VOC	20,000	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 260		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
96-12-8	1,2-Dibromo-3-Chloropropane	VOC	9.2	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 80		< 80		< 2.6		< 2.3		< 260		< 80		< 260	
106-93-4	1,2-Dibromoethane	VOC	1.2	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
95-50-1	1,2-Dichlorobenzene	VOC	59,000	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 260		< 230		< 2.6		< 2.3		< 260		< 250		< 260	
107-06-2	1,2-Dichloroethane	VOC	100	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
78-87-5	1,2-Dichloropropane	VOC	110	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
108-67-8	1,3,5-Trimethylbenzene	VOC	6,200	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 260		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
541-73-1	1,3-Dichlorobenzene	VOC	61,000	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 260		< 230		< 2.6		< 2.3		< 260		< 250		< 260	
106-46-7	1,4-Dichlorobenzene	VOC	10,000	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 260		< 230		< 2.6		< 2.3		< 260		< 250		< 260	
123-91-1	1,4-Dioxane	VOC	310	< 44		< 67		< 49		< 48		< 65		< 70		< 54		< 51		< 45		< 49		< 56		< 5200	
78-93-3	2-Butanone	VOC	110,000	< 13		< 20		< 15		< 14		< 20		< 21		< 16		< 15		< 14		< 15		< 17		< 1600	
108-10-1	4-Methyl-2-Pentanone	VOC	6300	< 11		< 17		< 12		< 12		< 16		< 18		< 14		< 13		< 11		< 12		< 14		< 1300	
67-64-1	Acetone	VOC	110,000	< 22		< 34		5.7		6.1		< 33		< 35		< 27		< 26		< 23		< 25		< 28		< 2600	
107-02-8	Acrolein	VOC	1.4	< 11		< 17		< 12		< 12		< 16		< 18		< 14		< 13		< 11		< 12		< 14		< 1300	
107-13-1	Acrylonitrile	VOC	37	< 4.4		< 6.7		< 4.9		< 4.8		< 6.5		< 7.0		< 5.4		< 5.1		< 4.5		< 4.9		< 5.6		< 520	
71-43-2	Benzene	VOC	130	< 2.2		< 3.4		< 2.5		0.56		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
92-87-5	Benzidine	SVOC	340		< 550		< 550		< 560		< 560		< 540		< 530		< 550		< 1100		< 550		< 550		< 600		< 560
74-97-5	Bromochloromethane	VOC	1,600	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
75-27-4	Bromodichloromethane	VOC	3,400	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
75-25-2	Bromoform	VOC	4,400	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
74-83-9	Bromomethane	VOC	540	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
75-15-0	Carbon Disulfide	VOC	350,000	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
56-23-5	Carbon Tetrachloride	VOC	260	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
108-90-7	Chlorobenzene	VOC	6,100	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
124-48-1	Chlorodibromomethane	VOC	3,200	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
75-00-3	Chloroethane	VOC	19,000	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
67-66-3	Chloroform	VOC	2,500	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		0.55		< 2.5		< 2.8		94	
74-87-3	Chloromethane	VOC	38	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
156-59-2	cis-1,2-Dichloroethene	VOC	1,600	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
74-95-3	Dibromomethane	VOC	7,700																								
75-71-8	Dichlorodifluoromethane	VOC	100,000	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
100-41-4	Ethylbenzene	VOC	46,000	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
98-82-8	Isopropylbenzene	VOC	780,000	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 260		< 230		< 2.6		< 2.3		< 260		< 250		< 260	
75-09-2	Methylene Chloride	VOC	76	0.57		2		0.56		0.52		1		1.4		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		130	
1634-04-4	Methyl Tert-Butyl Ether	VOC	280	< 4.4		< 6.7		< 4.9		< 4.8		< 6.5		< 7.0		< 5.4		< 5.1		< 4.5		< 4.9		< 5.6		< 520	
91-20-3	Naphthalene	SVOC	25,000		< 250		< 260		220		< 260		< 250		< 250		140		< 500		< 260		< 260		160		< 260
104-51-8	n-Butylbenzene	VOC	2,600,000	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 260		< 230		< 2.6		< 2.3		< 260		< 250		< 260	
103-65-1	n-Propylbenzene	VOC	290,000	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 260		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
99-87-6	p-Isoproplytoluene	VOC	NA	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 260		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
135-98-8	sec-Butylbenzene	VOC	960,000	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 260		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
100-42-5	Styrene	VOC	24,000	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
98-06-6	tert-Butylbenzene	VOC	740,000	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 260		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
75-65-0	Tertiary Butyl Alcohol	VOC	NA	< 44		< 67		< 49		< 48		< 65		< 70		< 54		< 51		< 45		< 49		< 56		< 5200	
127-18-4	Tetrachloroethene	VOC	430	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
108-88-3	Toluene	VOC	44,000	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		0.9		< 2.7		< 2.6		< 2.3		< 2.5		0.52		< 260	
1330-20-7	Total Xylenes	VOC	990,000	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
156-60-5	trans-1,2-Dichloroethene	VOC	2,300	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
79-01-6	Trichloroethene	VOC	170	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
75-69-4	Trichlorofluoromethane	VOC	87,000	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	
108-05-4	Vinyl Acetate	VOC	14,000	< 22		< 34		< 25		< 24		< 33		< 35		< 27		< 26		< 23		< 25		< 28		< 2600	
75-01-4	Vinyl Chloride	VOC	27	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 3.5		< 2.7		< 2.6		< 2.3		< 2.5		< 2.8		< 260	

Table 6: Sample Results in Comparison with PADEP Regulated Fill Standard
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	PA WMGR096 Regulated Fill Limits	WC 47 2-3	WC 47 COMP	WC 48 2-3	WC 48 COMP	WC 49 1-2	WC 49 COMP	WC 50 2-3	WC 50 COMP	WC 51 2-3	WC 51 COMP	DUP WC 51 2-3	DUP WC 51 COMP	WC 52 2-3 GRAB	WC 52 2-3 COMP	WC 53 6-7 GRAB	WC 53 COMP	WC 54 3-4 GRAB	WC 54 COMP	WC 55 2-3	WC 55 COMP	WC 56 4-5 GRAB	WC 56 COMP	WC 57 2-3	WC 57 COMP
	Lab Sample ID			BH70546	BH70547	BH70542	BH70543	BH70560	BH70561	BH70558	BH70559	BH70554	BH70555	BH70556	BH70557	BH67409	BH67410	BH67413	BH67414	BH67415	BH67416	BH68755	BH68756	BH67411	BH67412	BH68753	BH68754
	Date			2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/29/2015	1/29/2015	1/26/2015	1/26/2015	1/29/2015	1/29/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
87-68-3	Hexachlorobutadiene	SVOC	1,200		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
122-66-7	1,2- Diphenylhydrazine	SVOC	580		< 360		< 360		< 370		< 370		< 360		< 360		< 370		< 710		< 370		< 370		< 400		< 370
120-82-1	1,2,4-Trichlorobenzene	VOC	27,000	< 2.2		< 3.4		< 2.5		< 2.4		< 3.3		< 260		< 230		< 2.6		< 2.3		< 260		< 250		< 260	
95-94-3	1,2,4,5-Tetrachlorobenzene	SVOC	14,000		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
58-90-2	2,3,4,6-Tetrachlorophenol	SVOC	950,000		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
95-95-4	2,4,5-Trichlorophenol	SVOC	6,100,000		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
88-06-2	2,4,6-Trichlorophenol	SVOC	8,900		< 150		< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
102-83-2	2,4-Dichlorophenol	SVOC	1,000		< 150		< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
105-67-9	2,4-Dimethylphenol	SVOC	87,000		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
51-28-5	2,4-Dinitrophenol	SVOC	460		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
121-14-2	2,4-Dinitrotoluene	SVOC	200		< 150		< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
606-20-2	2,6-Dinitrotoluene	SVOC	3,000		< 150		< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
91-58-7	2-Chloronaphthalene	SVOC	18,000,000		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
95-57-8	2-Chlorophenol	SVOC	4,400		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
91-57-6	2-Methylnaphthalene	SVOC	8,000,000		< 250		< 260		140		< 260		< 250		< 250		160		< 500		< 260		< 260		250		< 260
95-48-7	2-Methylphenol	SVOC	180,000		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
88-74-4	2-Nitroaniline	SVOC	100		< 1800		< 1800		< 1900		< 1900		< 1800		< 1800		< 1800		< 3600		< 1800		< 1800		< 2000		< 1900
88-75-5	2-Nitrophenol	SVOC	17,000		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
91-94-1	3,3-Dichlorobenzidine	SVOC	32,000		< 150		< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
99-09-2	3-Nitroaniline	SVOC	91		< 1800		< 1800		< 1900		< 1900		< 1800		< 1800		< 1800		< 3600		< 1800		< 1800		< 2000		< 1900
534-52-1	4,6-Dinitro-2-methylphenol	SVOC	NA		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
59-50-7	4-Chloro-3-methylphenol	SVOC	110,000		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
106-47-8	4-Chloroaniline	SVOC	52,000		< 730		< 730		< 740		< 740		< 720		< 710		< 730		< 1400		< 740		< 740		< 790		< 740
100-01-6	4-Nitroaniline	SVOC	86		< 1800		< 1800		< 1900		< 1900		< 1800		< 1800		< 1800		< 3600		< 1800		< 1800		< 2000		< 1900
100-02-7	4-Nitrophenol	SVOC	4,100		< 1800		< 1800		< 1900		< 1900		< 1800		< 1800		< 1800		< 3600		< 1800		< 1800		< 2000		< 1900
83-32-9	Acenaphthene	SVOC	4,700,000		< 250		180		< 260		120		< 250		< 250		140		< 500		< 260		< 260		< 280		< 260
208-96-8	Acenaphthylene	SVOC	6,900,000		< 150		< 150		< 150		< 150		< 140		< 140		170		< 280		< 150		< 150		< 160		< 150
98-86-2	Acetophenone	SVOC	540,000		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
62-53-3	Aniline	SVOC	340		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330
120-12-7	Anthracene	SVOC	350,000		130		480		< 260		530		< 250		< 250		350		< 500		< 260		< 260		< 280		< 260
1912-24-9	Atrazine	SVOC	130		< 150		< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
100-52-7	Benzaldehyde	SVOC	NA		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
56-55-3	Benzo-a-Anthracene	SVOC	110,000		340		1200		320		790		< 250		< 250		1500		270		< 260		< 260		240		< 260
50-32-8	Benzo-a-Pyrene	SVOC	11,000		300		930		380		800		130		130		1300		270		< 150		< 150		210		< 150
205-99-2	Benzo-b-Fluoranthene	SVOC	110,000		410		1200		520		1200		220		220		2200		430		130		< 260		340		< 260
207-08-9	Benzo-k-Fluoranthene	SVOC	610,000		160		440		220		410		< 250		< 250		940		< 500		< 260		< 260		150		< 260
191-24-2	Benzo-g,h,i-Perylene	SVOC	180,000		140		490		300		230		< 250		< 250		390		< 500		< 260		< 260		< 280		< 260
65-85-0	Benzoic Acid	SVOC	7,800,000		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330		< 330
100-51-6	Benzyl Alcohol	SVOC	1,100,000		< 360		< 360		< 370		< 370		< 360		< 360		< 370		< 710		< 370		< 370		< 400		< 370
111-44-4	Bis(2-Chloroethyl)ether	SVOC	17		< 150		< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
108-60-1	Bis(2-Chloroisopropyl)ether	SVOC	8,000		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
117-81-7	Bis(2-Ethylhexyl)Phthalate	SVOC	130,000		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
85-68-7	Butylbenzylphthalate	SVOC	10,000,000		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
105-60-2	Caprolactam	SVOC	NA		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
86-74-8	Carbazole	SVOC	83,000		< 1800		< 1800		< 1900		< 1900		< 1800		< 1800		< 1800		< 3600		< 1800		< 1800		< 2000		< 1900
218-01-9	Chrysene	SVOC	230,000		370		1200		490		1000		190		170		1700		300		< 260		< 260		270		< 260
75-99-0	Dalapon	SVOC	5,300		< 47		< 45		< 47		< 47		< 46		< 45		< 46		< 45		< 47		< 46		< 50		< 47
132-64-9	Dibenzofuran	SVOC	NA		< 250		< 260		< 260		< 260		< 250		< 250		130		< 500		< 260		< 260		< 280		< 260
53-70-3	Dibenzo-a,h-Anthracene	SVOC	11,000		< 150		120		< 150		< 150		< 140		< 140		120		< 280		< 150		< 150		< 160		< 150
84-66-2	Diethyl Phthalate	SVOC	160,000		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
131-11-3	Dimethyl Phthalate	SVOC	NA		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
84-74-2	Di-n-Butyl Phthalate	SVOC	4,100,000		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
117-84-0	Di-n-Octyl Phthalate	SVOC	10,000,000		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
206-44-0	Fluoranthene	SVOC	3,200,000		690		2600		1200		1600		310		290		2500		370		150		< 260		330		< 260
86-73-7	Fluorene	SVOC	3,800,000		< 250		180		150		230		< 250		< 250		150		< 500		< 260		< 260		< 280		< 260
118-74-1	Hexachlorobenzene	SVOC	960		< 150		< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
77-47-4	Hexachlorocyclopentadiene	SVOC	91,000		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
67-72-1	Hexachloroethane	SVOC	560		< 150		< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
193-39-5	Indeno(1,2,3-cd)Pyrene	SVOC	110,000		160		530		260		< 260		< 250		< 250		500		< 500		< 260		< 260		< 280		< 260
78-59-1	Isophorone	SVOC	1,900		< 150		< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
98-95-3	Nitrobenzene	SVOC	2200		< 150		< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
62-75-9	N-Nitrosodimethylamine	SVOC	0.17		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
621-64-7	N-Nitroso-di-n-Propylamine	SVOC	5.1		< 150		< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
86-30-6	N-Nitrosodiphenylamine	SVOC	83,000		< 150		< 150		< 150		< 150		< 140		< 140		< 150		< 280		< 150		< 150		< 160		< 150
87-86-5	Pentachlorophenol	SVOC	5,000		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
85-01-8	Phenanthrene	SVOC	10,000,000		520		2000		1200		2000		300		220		2500		< 280		110		< 150		390		< 150
108-95-2	Phenol	SVOC	66,000		< 250		< 260		< 260		< 260		< 250		< 250		< 260		< 500		< 260		< 260		< 280		< 260
129-00-0	Pyrene	SVOC	2,200,000		580		2100		1000		1100		240		220		2000		320		140		< 260		340		< 260

Table 6: Sample Results in Comparison with PADEP Regulated Fill Standard
Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	PA WMGR096 Regulated Fill Limits	WC 47 2-3	WC 47 COMP	WC 48 2-3	WC 48 COMP	WC 49 1-2	WC 49 COMP	WC 50 2-3	WC 50 COMP	WC 51 2-3	WC 51 COMP	DUP WC 51 2-3	DUP WC 51 COMP	WC 52 2-3 GRAB	WC 52 2-3 COMP	WC 53 6-7 GRAB	WC 53 COMP	WC 54 3-4 GRAB	WC 54 COMP	WC 55 2-3	WC 55 COMP	WC 56 4-5 GRAB	WC 56 COMP	WC 57 2-3	WC 57 COMP
	Lab Sample ID			BH70546	BH70547	BH70542	BH70543	BH70560	BH70561	BH70558	BH70559	BH70554	BH70555	BH70556	BH70557	BH67409	BH67410	BH67413	BH67414	BH67415	BH67416	BH68755	BH68756	BH67411	BH67412	BH68753	BH68754
	Date			2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/26/2015	1/29/2015	1/29/2015	1/26/2015	1/26/2015	1/29/2015	1/29/2015
	Unit		*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*	*ug/kg*
93-76-5	2,4,5-T	HERBICIDE	1,500		< 47		< 45		< 47		< 47		< 46		< 45		< 46		< 45		< 47		< 46		< 50		< 47
93-72-1	2,4,5-TP Acid	PESTICIDE	22,000		< 47		< 45		< 47		< 47		< 46		< 45		< 46		< 45		< 47		< 46		< 50		< 47
94-75-7	2,4-D	HERBICIDE	18,000		< 47		< 45		< 47		< 47		< 46		< 45		< 46		< 45		< 47		< 46		< 50		< 47
72-54-8	4,4-DDD	PESTICIDE	30,000		< 2.2		< 2.1		< 2.2		7.6		< 2.2		< 2.2		< 2.2		< 2.1		< 2.3		< 2.2		< 2.4		< 2.3
72-55-9	4,4-DDE	PESTICIDE	170,000		< 2.2		< 2.1		< 2.2		4		< 2.2		< 2.2		< 2.2		< 2.1		< 2.3		4.5		< 2.4		< 2.3
50-29-3	4,4-DDT	PESTICIDE	230,000		< 2.2		< 2.1		< 2.2		5.7		< 2.2		< 2.2		< 2.2		< 2.1		< 2.3		11		< 2.4		< 2.3
309-00-2	Aldrin	PESTICIDE	440		< 3.7		< 3.6		< 3.7		< 3.8		< 3.6		< 3.6		< 3.7		< 3.6		< 3.8		< 3.6		< 4.0		< 3.8
319-84-6	alpha-BHC	PESTICIDE	190		< 7.5		< 7.1		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
5103-71-9	Alpha Chlordane	PESTICIDE	NA		< 3.7		< 3.6		< 3.7		< 3.8		< 3.6		< 3.6		< 3.7		< 3.6		< 3.8		< 3.6		< 4.0		< 3.8
12674-11-2	Aroclor 1016	PCB	200,000		< 75		< 71		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
1104-28-2	Aroclor 1221	PCB	2500		< 75		< 71		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
11141-16-5	Aroclor 1232	PCB	2000		< 75		< 71		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
53469-21-9	Aroclor 1242	PCB	62,000		< 75		< 71		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
12672-29-6	Aroclor 1248	PCB	44,000		< 75		< 71		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
11097-69-1	Aroclor 1254	PCB	44,000		< 75		< 71		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
11096-82-5	Aroclor 1260	PCB	130,000		< 75		< 71		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
11096-82-5	Aroclor 1262	PCB	NA		< 75		< 71		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
37324-23-5	Aroclor 1268	PCB	NA		< 75		< 71		< 74		< 76		< 73		< 73		< 75		< 71		< 76		< 73		< 80		< 76
319-85-7	beta-BHC	PESTICIDE	820		< 7.5		< 7.1		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
57-74-9	Chlordane	PESTICIDE	49,000		< 37		< 36		< 37		< 38		< 36		< 36		< 37		< 36		< 38		< 36		< 40		< 38
319-86-8	delta-BHC	PESTICIDE	30,000		< 7.5		< 7.1		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
1918-00-9	Dicamba	HERBICIDE	NA		< 93		< 91		< 94		< 94		< 91		< 90		< 92		< 89		< 94		< 92		< 99		< 93
60-57-1	Dieldrin	PESTICIDE	440		< 3.7		< 3.6		< 3.7		< 3.8		< 3.6		< 3.6		< 3.7		< 3.6		< 3.8		< 3.6		< 4.0		< 3.8
115-29-7	Endosulfan	PESTICIDE	61,000		< 7.5		< 7.1		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
959-98-8	Endosulfan I	PESTICIDE	260,000		< 7.5		< 7.1		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
33213-65-9	Endosulfan II	PESTICIDE	260,000		< 7.5		< 7.1		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
1031-07-8	Endosulfan Sulfate	PESTICIDE	70,000		< 7.5		< 7.1		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
72-20-8	Endrin	PESTICIDE	5,500		< 7.5		< 7.1		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
58-89-9	gamma-BHC	PESTICIDE	72		< 1.5		< 1.4		< 1.5		< 1.5		< 1.5		< 1.5		< 1.5		< 1.4		< 1.5		< 1.5		< 1.6		< 1.5
5103-74-2	Gamma Chlordane	PESTICIDE	NA		< 3.7		< 3.6		< 3.7		< 3.8		< 3.6		< 3.6		< 3.7		< 3.6		< 3.8		< 3.6		< 4.0		< 3.8
76-44-8	Heptachlor	PESTICIDE	680		< 7.5		< 7.1		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
1024-57-3	Heptachlor Epoxide	PESTICIDE	1,100		< 7.5		< 7.1		< 7.4		< 7.6		< 7.3		< 7.3		< 7.5		< 7.1		< 7.6		< 7.3		< 8.0		< 7.6
72-43-5	Methoxychlor	PESTICIDE	630,000		< 37		< 36		< 37		< 38		< 36		< 36		< 37		< 36		< 38		< 36		< 40		< 38
56-38-2	Parathion	PESTICIDE	360,000		< 5		< 5		< 370		< 5		< 5		< 5		< 330		< 330		< 330		< 370		< 330		< 370
1336-36-3	Polychlorinated Biphenyls	PESTICIDE	NA		0		0		0		0		0		0		0		0		0		0		0		0
8001-35-2	Toxaphene	PESTICIDE	1,200		< 150		< 140		< 150		< 150		< 150		< 150		< 150		< 140		< 150		< 150		< 160		< 150
	Unit		*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*	*mg/kg*
7429-90-5	Aluminum, Al	METAL	190000		6880		7110		8340		3250		1380		1330		3190		3180		2110		1360		1830		1990
7440-36-0	Antimony, Sb	METAL	27		< 3.5		< 3.4		< 3.5		< 3.5		< 3.5		< 3.4		< 3.8		< 3.8		< 3.7		< 3.7		< 4.2		< 3.9
7440-38-2	Arsenic, As	METAL	53		3.9		4.8		4.2		3.5		1.3		2.4		3.5		3.2		2.1		1		4.6		1
7440-39-3	Barium, Ba	METAL	8,200		244		154		58.4		53.4		606		780		284		71.1		40.8		11.3		147		19.9
7440-41-7	Beryllium, Be	METAL	320		0.9		0.43		0.5		< 0.28		< 0.28		< 0.27		< 0.31		< 0.31		< 0.30		< 0.29		< 0.34		< 0.31
7440-43-9	Cadmium, Cd	METAL	38		0.4		< 0.34		< 0.35		< 0.35		< 0.35		0.52		< 0.38		< 0.38		0.37		< 0.37		1.16		< 0.39
7440-47-3	Chromium, Cr	METAL	NA		15.6		15.9		20.9		15.6		7.87		7.22		18.6		14		6.77		4.66		9.58		5.44
18540-29-9	Chromium, hexavalent	METAL	190		< 0.45		< 0.46		< 0.44		< 0.45		0.56		0.81		2.21		< 0.43		< 0.45		< 0.44		< 0.46		< 0.45
16065-83-1	Chromium, trivalent	METAL	190,000		15.6		15.9		20.9		15.6		7.31		6.41		16.4		14		6.77		4.66		9.58		5.44
7440-48-4	Cobalt, Co	METAL	22		6.34		9.25		7.53		4.02		1.36		1.61		3.46		3.31		2.17		1.27		2.71		2.91
7440-50-8	Copper, Cu	METAL	36,000		35.8		24.4		20.6		21.2		7.54		11.1		22.2		32.6		17.9		4.06		27.1		7.35
57-12-5	Cyanide	METAL	200 (free)		< 0.56		< 0.55		< 0.57		< 0.52		< 0.46		< 0.50		1.42		< 0.49		< 0.57		< 0.51		4.6		< 0.52
7439-89-6	Iron, Fe	METAL	190000		10900		16200		14200		9190		3060		4790		8670		6280		10400		2720		20200		3660
7439-92-1	Lead, Pb	METAL	1000		70.4		53.4		72.4		162		306		566		370		161		91.6		35.7		373		16.2
7439-96-5	Manganese, Mn	METAL	190,000		247		223		212		151		44.5		77.6		124		102		94.8		34.8		169		66.1
7439-97-6	Mercury, Hg	METAL	10		0.09		0.07		0.08		0.11		0.04		0.09		0.18		0.22		0.85		< 0.03		0.25		0.05
7440-02-0	Nickel, Ni	METAL	650		29.3		58.7		35		21.1		3.71		4.19		10.1		9.04		8.46		4.28		8.5		6.22
7782-49-2	Selenium, Se	METAL	26		< 1.4		< 1.4		< 1.4		< 1.4		< 1.4		< 1.4		< 1.5		< 1.5		< 1.5		< 1.5		< 1.7		< 1.6
7440-22-4	Silver, Ag	METAL	84		< 0.35		< 0.34		< 0.35		< 0.35		< 0.35		< 0.34		< 0.38		< 0.38		< 0.37		< 0.37		< 0.42		< 0.39
7440-28-0	Thallium, Ti	METAL	14		< 3.2		< 3.1		< 3.1		< 3.2		< 3.1		< 3.1		< 3.5		< 3.4		< 3.4		< 3.3		< 3.8		< 3.5
7440-62-2	Vanadium, V	METAL	72,000		20.4		21.6		26.8		26.3		4.93		4.7		11.8		14.2		6.5		5.22		6.04		7.68
7440-66-6	Zinc, Zn	METAL	12,000		79.3		69.2		61.5		114		406		601		277		160		103		28.3		434		30.8
	pH	pH	NA		9.2		8.62		7.69		8.55		9.64		8.65		8.52		9.51		8.97		10.54		8.45		11.44
	TPH	TPH	NA		< 55		< 54		< 56		850		< 53		< 54		< 55		< 53		< 56		< 54		< 59		< 56

Notes: Shaded values indicate an exceedance of PA Regulated Fill Standard Limits.

Notes
ug/kg = micrograms per kilogram (ppb)
mg/kg = milligrams per kilogram (ppm)
ug/L = micrograms per liter
mg/L = milligrams per liter

TCLP Analysis

Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	TCLP Hazardous Waste Regulatory Levels	WC 1 COMP	WC 2 COMP	WC 3 COMP	WC 4 COMP	WC 5 COMP	WC 6 COMP	WC 7 COMP	WC 8 COMP	WC 9 COMP	WC 10 COMP	WC 11 COMP	WC 12 COMP	WC 13 COMP	WC 14 COMP	WC 15 COMP	WC 16 COMP	WC 17 COMP	WC 18 COMP	WC 19 COMP	WC 20 COMP
	Lab Sample ID			BH68768	BH69278	BH69280	BH69282	BH69284	BH70945	BH70947	BH68770	BH69286	BH69288	BH69296	BH69292	BH70563	BH69821	BH69819	BH69817	BH69815	BH69813	BH69801	BH69803
	Date			1/29/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	2/5/2015	2/5/2015	1/29/2015	1/30/2015	1/30/2015	1/30/2015	1/30/2015	2/4/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015	2/3/2015
	Unit		*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*
75-35-4	1,1-Dichloroethene	VOC	700	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
107-06-2	1,2-Dichloroethane	VOC	500	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
106-46-7	1,4-Dichlorobenzene	VOC	7,500	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83
78-93-3	2-Butanone (MEK)	VOC	200,000	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
71-43-2	Benzene	VOC	500	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
56-23-5	Carbon Tetrachloride	VOC	500	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
108-90-7	Chlorobenzene	VOC	100,000	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
67-66-3	Chloroform	VOC	6,000	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
87-68-3	Hexachlorobutadiene	VOC	500	< 83	< 83	< 83	< 83	< 83	< 250	< 250	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83
127-18-4	Tetrachloroethene	VOC	700	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
79-01-6	Trichloroethene	VOC	500	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
75-01-4	Vinyl Chloride	VOC	200	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
95-95-4	2,4,5-Trichlorophenol	SVOC	400,000	< 83	< 83	< 83	< 83	< 83	< 250	< 250	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83
88-06-2	2,4,6-Trichlorophenol	SVOC	2,000	< 83	< 83	< 83	< 83	< 83	< 140	< 140	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83
121-14-2	2,4-Dinitrotoluene	SVOC	130	< 83	< 83	< 83	< 83	< 83	< 140	< 140	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83
95-48-7	2-Methylphenol (o-Cresol)	SVOC	200,000	< 83	< 83	< 83	< 83	< 83	< 250	< 250	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83
118-74-1	Hexachlorobenzene	SVOC	130	< 83	< 83	< 83	< 83	< 83	< 140	< 140	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83
67-72-1	Hexachloroethane	SVOC	3,000	< 83	< 83	< 83	< 83	< 83	< 140	< 140	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83
98-95-3	Nitrobenzene	SVOC	2,000	< 83	< 83	< 83	< 83	< 83	< 140	< 140	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83
87-86-5	Pentachlorphenol	SVOC	100,000	< 83	< 83	< 83	< 83	< 83	< 250	< 250	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83
110-86-1	Pyridine	SVOC	5,000	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83
93-72-1	2,4,5-TP Azcid (Silvex)	PESTICIDE	1,000	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 45	< 44	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2
94-75-7	2,4-D	HERBICIDE	10,000	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 45	< 44	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2
57-74-9	Chlordane	PESTICIDE	30	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	65	< 35	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
72-20-8	Endrin	PESTICIDE	20	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 7.1	< 7.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
58-89-9	gamma-BHC (Lindane)	PESTICIDE	400	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 1.4	< 1.4	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
76-44-8	Heptachlor	PESTICIDE	8	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 7.1	< 7.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1024-57-3	Heptachlor epoxide	PESTICIDE	8	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 7.1	< 7.0	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
72-43-5	Methoxychlor	PESTICIDE	10,000	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 35	< 35	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
8001-35-2	Toxaphene	PESTICIDE	500	< 20	< 20	< 20	< 20	< 20	< 140	< 140	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
	Unit		*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*
7440-38-2	Arsenic, As	METAL	5	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
7440-39-3	Barium, Ba	METAL	100	0.19	0.61	0.54	0.81	0.53	0.54	0.53	0.67	0.59	0.45	0.23	0.28	0.18	0.56	0.98	0.94	0.67	0.26	0.54	1.08
7440-43-9	Cadmium, Cd	METAL	1	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
7440-47-3	Chromium, Cr	METAL	5	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
7439-92-1	Lead, Pb	METAL	5	0.12	1.73	0.28	0.52	0.2	0.43	< 0.10	1.06	0.69	0.28	< 0.10	0.14	0.11	0.23	0.82	0.7	0.17	< 0.10	< 0.10	0.62
7439-97-6	Mercury, Hg	METAL	0.2	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
7782-49-2	Selenium, Se	METAL	1	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
7440-22-4	Silver, Ag	METAL	5	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
	Corrosivity/pH	Method S423/E150.1	>2; <12.5	7.71	8.08	9.52	9.21	9.18			8.59	9.84	8.76	9.33	8.95	9.49							
	Reactivity - Cyanide	Method SW 846-7.3	Refer to 40 CFR 261.23	< 5.6	< 5.7	< 5.3	< 5.3	< 5.3	< 5.3	< 5.3	< 5.5	< 5.6	< 5.6	< 5.4	< 5.6	< 5.6	< 5.5	< 5.4	< 5.5	< 5.3	< 5.7	< 5.5	< 5.4
	Reactivity - Sulfide	Method SW 846-7.3	Refer to 40 CFR 261.23	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
	Ignitabilility	Method SW846-1010	Refer to 40 CFR 261.21	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed

Notes

ug/L = micrograms per liter
mg/L = milligrams per liter

ug/kg = micrograms per kilogram (ppb)
mg/kg = milligrams per kilogram (ppm)

TCLP Analysis

Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	WC 21 COMP	WC 22 COMP	WC 23 COMP	WC 24 COMP	WC 25 COMP	WC 26 COMP	WC 27 COMP	WC 28 COMP	WC 29 COMP	WC 30 COMP	WC 31 COMP	WC 32 COMP	WC 33 COMP	WC 34 COMP	WC 35 COMP	WC 36 COMP	WC 37 COMP	WC 38 COMP	WC 39 COMP	WC 40 COMP	WC 41 COMP	WC 42 COMP	WC 43 COMP
	Lab Sample ID		BH69294	BH70939	BH70953	BH70955	BH70949	BH70941	BH69807	BH69290	BH69809	BH68766	BH70957	BH69795	BH68764	BH70943	BH69797	BH68762	BH70549	BH70551	BH70951	BH69799	BH68760	BH70545	BH70553
	Date		1/30/2015	2/5/2015	2/5/2015	2/5/2015	2/5/2015	2/5/2015	2/3/2015	1/30/2015	2/3/2015	1/29/2015	2/5/2015	2/3/2015	1/29/2015	2/5/2015	2/3/2015	1/29/2015	2/4/2015	2/4/2015	2/5/2015	2/3/2015	1/29/2015	2/4/2015	2/4/2015
	Unit		*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*
75-35-4	1,1-Dichloroethene	VOC	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
107-06-2	1,2-Dichloroethane	VOC	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
106-46-7	1,4-Dichlorobenzene	VOC	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83
78-93-3	2-Butanone (MEK)	VOC	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
71-43-2	Benzene	VOC	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
56-23-5	Carbon Tetrachloride	VOC	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
108-90-7	Chlorobenzene	VOC	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
67-66-3	Chloroform	VOC	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
87-68-3	Hexachlorobutadiene	VOC	< 83	< 250	< 260	< 250	< 260	< 260	< 83	< 83	< 83	< 83	< 250	< 83	< 83	< 250	< 83	< 83	< 83	< 83	< 260	< 83	< 83	< 83	< 83
127-18-4	Tetrachloroethene	VOC	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
79-01-6	Trichloroethene	VOC	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
75-01-4	Vinyl Chloride	VOC	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
95-95-4	2,4,5-Trichlorophenol	SVOC	< 83	< 250	< 260	< 250	< 260	< 260	< 83	< 83	< 83	< 83	< 250	< 83	< 83	< 250	< 83	< 83	< 83	< 83	< 260	< 83	< 83	< 83	< 83
88-06-2	2,4,6-Trichlorophenol	SVOC	< 83	< 140	< 150	< 140	< 150	< 150	< 83	< 83	< 83	< 83	< 140	< 83	< 83	< 150	< 83	< 83	< 83	< 83	< 150	< 83	< 83	< 83	< 83
121-14-2	2,4-Dinitrotoluene	SVOC	< 83	< 140	< 150	< 140	< 150	< 150	< 83	< 83	< 83	< 83	< 140	< 83	< 83	< 150	< 83	< 83	< 83	< 83	< 150	< 83	< 83	< 83	< 83
95-48-7	2-Methylphenol (o-Cresol)	SVOC	< 83	< 250	< 260	< 250	< 260	< 260	< 83	< 83	< 83	< 83	< 250	< 83	< 83	< 250	< 83	< 83	< 83	< 83	< 260	< 83	< 83	< 83	< 83
118-74-1	Hexachlorobenzene	SVOC	< 83	< 140	< 150	< 140	< 150	< 150	< 83	< 83	< 83	< 83	< 140	< 83	< 83	< 150	< 83	< 83	< 83	< 83	< 150	< 83	< 83	< 83	< 83
67-72-1	Hexachloroethane	SVOC	< 83	< 140	< 150	< 140	< 150	< 150	< 83	< 83	< 83	< 83	< 140	< 83	< 83	< 150	< 83	< 83	< 83	< 83	< 150	< 83	< 83	< 83	< 83
98-95-3	Nitrobenzene	SVOC	< 83	< 140	< 150	< 140	< 150	< 150	< 83	< 83	< 83	< 83	< 140	< 83	< 83	< 150	< 83	< 83	< 83	< 83	< 150	< 83	< 83	< 83	< 83
87-86-5	Pentachlorphenol	SVOC	< 83	< 250	< 260	< 250	< 260	< 260	< 83	< 83	< 83	< 83	< 250	< 83	< 83	< 250	< 83	< 83	< 83	< 83	< 260	< 83	< 83	< 83	< 83
110-86-1	Pyridine	SVOC	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83
93-72-1	2,4,5-TP Azcid (Silvex)	PESTICIDE	< 4.2	< 44	< 46	< 46	< 48	< 46	< 4.2	< 4.2	< 4.2	< 4.2	< 45	< 4.2	< 4.2	< 46	< 4.2	< 4.2	< 4.2	< 4.2	< 48	< 4.2	< 4.2	< 4.2	< 4.2
94-75-7	2,4-D	HERBICIDE	< 4.2	< 44	< 46	< 46	< 48	< 46	< 4.2	< 4.2	< 4.2	< 4.2	< 45	< 4.2	< 4.2	< 46	< 4.2	< 4.2	< 4.2	< 4.2	< 48	< 4.2	< 4.2	< 4.2	< 4.2
57-74-9	Chlordane	PESTICIDE	< 5.0	< 35	< 37	< 36	< 38	< 37	< 5.0	< 5.0	< 5.0	< 5.0	< 36	< 5.0	< 5.0	< 37	< 5.0	< 5.0	< 5.0	< 5.0	< 38	< 5.0	< 5.0	< 5.0	< 5.0
72-20-8	Endrin	PESTICIDE	< 1.0	< 7.0	< 7.3	< 7.3	< 7.6	< 7.5	< 1.0	< 1.0	< 1.0	< 1.0	< 7.1	< 1.0	< 1.0	< 7.4	< 1.0	< 1.0	< 1.0	< 1.0	< 7.5	< 1.0	< 1.0	< 1.0	< 1.0
58-89-9	gamma-BHC (Lindane)	PESTICIDE	< 0.50	< 1.4	< 1.5	< 1.5	< 10	< 1.5	< 0.50	< 0.50	< 0.50	< 0.50	< 1.4	< 0.50	< 0.50	< 1.5	< 0.50	< 0.50	< 0.50	< 0.50	< 10	< 0.50	< 0.50	< 0.50	< 0.50
76-44-8	Heptachlor	PESTICIDE	< 0.50	< 7.0	< 7.3	< 7.3	< 7.6	< 7.5	< 0.50	< 0.50	< 0.50	< 0.50	< 7.1	< 0.50	< 0.50	< 7.4	< 0.50	< 0.50	< 0.50	< 0.50	< 7.5	< 0.50	< 0.50	< 0.50	< 0.50
1024-57-3	Heptachlor epoxide	PESTICIDE	< 0.50	< 7.0	< 7.3	< 7.3	< 7.6	< 7.5	< 0.50	< 0.50	< 0.50	< 0.50	< 7.1	< 0.50	< 0.50	< 7.4	< 0.50	< 0.50	< 0.50	< 0.50	< 7.5	< 0.50	< 0.50	< 0.50	< 0.50
72-43-5	Methoxychlor	PESTICIDE	< 0.50	< 35	< 37	< 36	< 38	< 37	< 0.50	< 0.50	< 0.50	< 0.50	< 36	< 0.50	< 0.50	< 37	< 0.50	< 0.50	< 0.50	< 0.50	< 38	< 0.50	< 0.50	< 0.50	< 0.50
8001-35-2	Toxaphene	PESTICIDE	< 20	< 140	< 150	< 150	< 150	< 150	< 20	< 20	< 20	< 20	< 140	< 20	< 20	< 150	< 20	< 20	< 20	< 20	< 150	< 20	< 20	< 20	< 20
	Unit		*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*
7440-38-2	Arsenic, As	METAL	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
7440-39-3	Barium, Ba	METAL	0.32	0.38	0.54	0.38	0.58	0.92	0.29	0.17	0.3	0.22	0.47	0.16	0.31	0.87	0.78	1.02	0.5	0.49	0.35	0.9	0.96	0.56	0.53
7440-43-9	Cadmium, Cd	METAL	< 0.050	< 0.050	< 0.050	< 0.050	0.137	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	0.19	< 0.050	< 0.050	< 0.050	< 0.050
7440-47-3	Chromium, Cr	METAL	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
7439-92-1	Lead, Pb	METAL	< 0.10	0.12	0.32	0.18	0.39	0.29	0.2	< 0.10	0.45	0.21	0.16	< 0.10	< 0.10	0.2	0.35	0.5	< 0.10	< 0.10	0.14	0.39	2.56	0.15	< 0.10
7439-97-6	Mercury, Hg	METAL	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
7782-49-2	Selenium, Se	METAL	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
7440-22-4	Silver, Ag	METAL	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
	Corrosivity/pH	Method S423/E150.1	9.56							9.39		9.07			10.26			10.52	9.48	9.11			11.09	10.29	11.73
	Reactivity - Cyanide	Method SW 846-7.3	< 5.3	< 5.5	< 5.7	< 5.3	< 5.3	< 5.3	< 5.5	< 5.4	< 5.4	< 5.5	< 5.3	< 5.3	< 5.4	< 5.3	< 5.3	< 5.5	< 5.5	< 5.4	< 5.3	< 5.3	< 5.4	< 5.6	< 5.6
	Reactivity - Sulfide	Method SW 846-7.3	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
	Ignitabililty	Method SW846-1010	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed

Notes

ug/L = micrograms per liter
mg/L = milligrams per liter

ug/kg = micrograms per kilogram (ppb)
mg/kg = milligrams per kilogram (ppm)

TCLP Analysis

Location: 1824 Shore Parkway, Brooklyn, NY

CAS Number	Parameter Name	Parameter ID	WC 44 COMP	WC 45 COMP	WC 46 COMP	WC 47 COMP	WC 48 COMP	WC 49 COMP	WC 50 COMP	WC 51 COMP	WC 52 2-3 COMP	WC 53 COMP	WC 54 COMP	WC 55 COMP	WC 56 COMP	WC 57 COMP	DUP WC 6 COMP	DUP WC 13 COMP	DUP WC 20 COMP	DUP WC 29 COMP	DUP WC 45 COMP	DUP WC 51 COMP
	Lab Sample ID		BH70571	BH70567	BH68758	BH70547	BH70543	BH70561	BH70559	BH70555	BH67410	BH67414	BH67416	BH68756	BH67412	BH68754	BH70937	BH70565	BH69805	BH69811	BH70569	BH70557
	Date		2/4/2015	2/4/2015	1/29/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	2/4/2015	1/26/2015	1/26/2015	1/26/2015	1/29/2015	1/26/2015	1/29/2015	2/5/2015	2/4/2015	2/3/2015	2/3/2015	2/4/2015	2/4/2015
	Unit		*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*	*ug/L*
75-35-4	1,1-Dichloroethene	VOC	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
107-06-2	1,2-Dichloroethane	VOC	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
106-46-7	1,4-Dichlorobenzene	VOC	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83
78-93-3	2-Butanone (MEK)	VOC	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
71-43-2	Benzene	VOC	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
56-23-5	Carbon Tetrachloride	VOC	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
108-90-7	Chlorobenzene	VOC	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
67-66-3	Chloroform	VOC	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
87-68-3	Hexachlorobutadiene	VOC	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83
127-18-4	Tetrachloroethene	VOC	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
79-01-6	Trichloroethene	VOC	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
75-01-4	Vinyl Chloride	VOC	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25	< 25
95-95-4	2,4,5-Trichlorophenol	SVOC	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83
88-06-2	2,4,6-Trichlorophenol	SVOC	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83
121-14-2	2,4-Dinitrotoluene	SVOC	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83
95-48-7	2-Methylphenol (o-Cresol)	SVOC	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83
118-74-1	Hexachlorobenzene	SVOC	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83
67-72-1	Hexachloroethane	SVOC	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83
98-95-3	Nitrobenzene	SVOC	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83
87-86-5	Pentachlorphenol	SVOC	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83
110-86-1	Pyridine	SVOC	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83	< 83
93-72-1	2,4,5-TP Azcid (Silvex)	PESTICIDE	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2
94-75-7	2,4-D	HERBICIDE	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2	< 4.2
57-74-9	Chlordane	PESTICIDE	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
72-20-8	Endrin	PESTICIDE	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
58-89-9	gamma-BHC (Lindane)	PESTICIDE	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
76-44-8	Heptachlor	PESTICIDE	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
1024-57-3	Heptachlor epoxide	PESTICIDE	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
72-43-5	Methoxychlor	PESTICIDE	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
8001-35-2	Toxaphene	PESTICIDE	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
	Unit		*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*	*mg/L*
7440-38-2	Arsenic, As	METAL	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
7440-39-3	Barium, Ba	METAL	1.43	1.39	0.74	0.69	0.72	0.6	1.18	4.28	1.41	1.05	0.67	0.2	1.22	0.42	0.82	0.18	0.54	0.17	1.52	7.65
7440-43-9	Cadmium, Cd	METAL	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
7440-47-3	Chromium, Cr	METAL	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
7439-92-1	Lead, Pb	METAL	4.89	2.01	0.36	< 0.10	0.14	0.47	0.57	3.69	5.45	0.64	0.78	0.2	9.85	0.18	0.73	< 0.10	0.39	0.43	2.85	15.1
7439-97-6	Mercury, Hg	METAL	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002	< 0.0002
7782-49-2	Selenium, Se	METAL	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
7440-22-4	Silver, Ag	METAL	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
	Corrosivity/pH	Method S423/E150.1	9.03	9.02	10.92	9.2	8.62	7.69	8.55	9.64	8.52	9.51	8.97	10.54	8.45	11.44		9.7			8.91	8.65
	Reactivity - Cyanide	Method SW 846-7.3	< 5.6	< 5.5	< 5.3	< 5.6	< 5.4	< 5.6	< 5.6	< 5.4	< 5.5	< 5.4	< 5.7	< 5.4	< 5.9	< 5.7	< 5.7	< 5.1	< 5.3	< 5.4	< 5.6	< 5.5
	Reactivity - Sulfide	Method SW 846-7.3	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20	< 20
	Ignitabililty	Method SW846-1010	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed

Notes

ug/L = micrograms per liter
mg/L = milligrams per liter

ug/kg = micrograms per kilogram (ppb)
mg/kg = milligrams per kilogram (ppm)

APPENDICES

Appendix A: Environmental Boring Logs

SOIL BORING LOG

Client: Prismatic Development Corp.		Boring No.: WC1	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336		Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY		Date: 1/29/2015	
Drilling Co: Impact Environmental		*FORMAT FOR CHARACTERIZATION*	
Method: Direct Push		**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Blake Kimbro, John Herbig, Xin Yuan		**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Sample Depth: 6'	Depth to Water: ND		

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0						6" pavement	
1	0.0		VOC Grab				Dark brown sandy clay w/ gravel	Grab #1
2	0.0							Grab #2
3	0.0					5 ft	Light brown sandy clay w/ trace brick fragments	Grab #3
4	0.0							Grab #4
5	0.0							Grab #5
6							End of Boring	
7								
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TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: Prismatic Development Corp.		Boring No.: WC2	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336		Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY		Date: 1/30/2015	
Drilling Co: Impact Environmental		*FORMAT FOR CHARACTERIZATION*	
Method: Direct Push		**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Blake Kimbro, John Herbig, Xin Yuan		**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Sample Depth: 6'	Depth to Water: ND		

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0						1 ft. pavement	
1	0.0						2 ft Brick and dark brown sand w/Gravel	Grab #1
2	0.0		VOC Grab			4 ft.		Grab #2
3	0.0						1 ft Dark brown sand & sandy clay	Grab #3
4	0.0							Grab #4
5	0.0					1 ft.	Sandy clay w/trace brick End of Boring	Grab #5
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TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: Prismatic Development Corp.		Boring No.: WC3	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336		Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY		Date: 1/30/2015	
Drilling Co: Impact Environmental		*FORMAT FOR CHARACTERIZATION*	
Method: Direct Push		**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Blake Kimbro, John Herbig, Xin Yuan		**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Sample Depth: 6'	Depth to Water: ND		

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0						6" pavement	
1	0.0						Light brown sand w/brick & gravel	Grab #1
2	0.0					4 ft.		Grab #2
3	0.0		VOC Grab				Light brown sandy clay w/ trace brick fragments	Grab #3
4	0.0							Grab #4
5	0.0					1 ft.	Light brown sand (Fine to Coarse) End of Boring	Grab #5
6								
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TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: Prismatic Development Corp.	Boring No.: WC4	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336	Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY	Date: 1/30/2015	

Drilling Co: Impact Environmental
Method: Direct Push
Personnel: Blake Kimbro, John Herbig, Xin Yuan
Total Sample Depth: 6' Depth to Water: ND

FORMAT FOR CHARACTERIZATION

Ex.1: brown, loose F SILTY-SAND, with some C Gravel
Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0						6" pavement	
1	0.0		VOC Grab					Grab #1
2	0.0					4 ft.	2 ft. Dark brown sand w/brick & gravel	Grab #2
3	0.0							Grab #3
4	0.0						Light brown sand	Grab #4
5	0.0					.5 ft.	Light brown sand End of Boring	Grab #5
6								
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17								
18								
19								
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TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: Prismatic Development Corp.	Boring No.: WC5	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336	Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY	Date: 1/30/2015	

Drilling Co: Impact Environmental
Method: Direct Push
Personnel: Blake Kimbro, John Herbig, Xin Yuan
Total Sample Depth: 6' Depth to Water: ND

FORMAT FOR CHARACTERIZATION

Ex.1: brown, loose F SILTY-SAND, with some C Gravel
Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0						6" pavement	
1	0.0		VOC Grab				1.5 ft. - 2 ft. coal/coal ash	Grab #1
2	0.0					4 ft.	Light brown sand w/brick & concrete fragments	Grab #2
3	0.0							Grab #3
4	0.0						Light brown sand	Grab #4
5	0.0					1 ft.	Light brown sand w/concrete fragments End of Boring	Grab #5
6								
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17								
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19								
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TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: Prismatic Development Corp.	Boring No.: WC6	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336	Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY	Date: 2/5/2015	

Drilling Co: Impact Environmental
Method: Direct Push
Personnel: Blake Kimbro, John Herbig, Xin Yuan
Total Sample Depth: 5' Depth to Water: ND

FORMAT FOR CHARACTERIZATION

Ex.1: brown, loose F SILTY-SAND, with some C Gravel
Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0						1 ft. Pavement	Grab #1
1	0.0		VOC Grab				1 ft. Gravel	Grab #2
2	0.0					4 ft.	1.5 ft. Dark brown sand w/brick	Grab #3
3	0.0							Grab #4
4	0.0						6 " Light brown sand	Grab #5
5							End of Boring	
6								
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17								
18								
19								
20								

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

SOIL BORING LOG

Client: Prismatic Development Corp.	Boring No.: WC7	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336	Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY	Date: 2/5/2015	

Drilling Co: Impact Environmental
Method: Direct Push
Personnel: Blake Kimbro, John Herbig, Xin Yuan
Total Sample Depth: 5' Depth to Water: ND

FORMAT FOR CHARACTERIZATION

Ex.1: brown, loose F SILTY-SAND, with some C Gravel
Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0						1 ft. Pavement	Grab #1
1	0.0		VOC Grab					Grab #2
2	0.0					3 ft.	1 ft. Gravel w/sand	Grab #3
3	0.0							Grab #4
4	0.0						1 ft. Light brown sand	Grab #5
5							End of Boring	
6								
7								
8								
9								
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11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

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

SOIL BORING LOG

Client: Prismatic Development Corp.	Boring No.: WC8	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336	Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY	Date: 1/29/2015	

Drilling Co: Impact Environmental
Method: Direct Push
Personnel: Blake Kimbro, John Herbig, Xin Yuan
Total Sample Depth: 10' Depth to Water: 8'

FORMAT FOR CHARACTERIZATION

Ex.1: brown, loose F SILTY-SAND, with some C Gravel
Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0						6" Pavement	Grab #1
1	0.0		VOC Grab				1' Dark brown sand/ sandy clay w/gravel	Grab #2
2	0.0					4.5 ft.		
3	0.0						Trace brick fragments	Grab #3
4	0.0						Brown sandy clay/sand	
5	0.0						Dark brown sand w/gravel	Grab #4
6	0.0							
7	0.0					3 ft.		Grab #5
8	0.0						Light brown sandy clay (wet)	
9	0.0						End of Boring	
10								
11								
12								
13								
14								
15								
16								
17								
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19								
20								

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

SOIL BORING LOG

Client: Prismatic Development Corp.	Boring No.: WC9	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336	Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY	Date: 1/30/2015	

Drilling Co: Impact Environmental
Method: Direct Push
Personnel: Blake Kimbro, John Herbig, Xin Yuan
Total Sample Depth: 8' Depth to Water: 7'

FORMAT FOR CHARACTERIZATION

Ex.1: brown, loose F SILTY-SAND, with some C Gravel
Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0						6" Pavement	
1	0.0							
2	0.0		VOC Grab			2 ft.	Dark brown sand w/ brick & concrete fragments	Grab #1 Grab #2
3	0.0							
4	0.0						Trace coal/coal ash	Grab #3
5	0.0						Sand & sandy clay w/gravel	Grab #4
6	0.0					1 ft.		
7	0.0						Trace pieces of wood	Grab #5
8							End of Boring	
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

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

SOIL BORING LOG

Client: Prismatic Development Corp.	Boring No.: WC10	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336	Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY	Date: 1/30/2015	

Drilling Co: Impact Environmental
Method: Direct Push
Personnel: Blake Kimbro, John Herbig, Xin Yuan
Total Sample Depth: 8' Depth to Water: 6'

FORMAT FOR CHARACTERIZATION

Ex.1: brown, loose F SILTY-SAND, with some C Gravel
Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0						6" Pavement	
1								
	0.0		VOC Grab				Dark brown sand w/gravel, brick & trace wood	Grab #1
2								
	0.0					3 ft.		Grab #2
3								
	0.0							
4								
	0.0						4'-5' Light Brown Sand	Grab #3
5								
	0.0						Dark brown sand w/brick w/gravel	Grab #4
6								
	0.0					2 ft.		Grab #5
7								
	0.0						End of Boring	
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

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

SOIL BORING LOG

Client: Prismatic Development Corp.	Boring No.: WC11	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336	Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY	Date: 1/30/2015	

Drilling Co: Impact Environmental
Method: Direct Push
Personnel: Blake Kimbro, John Herbig, Xin Yuan
Total Sample Depth: 10' Depth to Water: 7'

FORMAT FOR CHARACTERIZATION

Ex.1: brown, loose F SILTY-SAND, with some C Gravel
Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0						6" Pavement	
1	0.0						6" Dark brown sand	Grab #1
2	0.0		VOC Grab			3 ft.	2' Light brown sand	Grab #2
3	0.0							
4	0.0							Grab #3
5	0.0							
6	0.0							Grab #4
7	0.0					3 ft.		
8	0.0						Light brown sand (Coarse to Fine)	Grab #5
9	0.0						End of Boring	
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

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

SOIL BORING LOG

Client: Prismatic Development Corp.	Boring No.: WC12	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336	Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY	Date: 1/30/2015	

Drilling Co: Impact Environmental
Method: Direct Push
Personnel: Blake Kimbro, John Herbig, Xin Yuan
Total Sample Depth: 8' Depth to Water: 7'

FORMAT FOR CHARACTERIZATION

Ex.1: brown, loose F SILTY-SAND, with some C Gravel
Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0						6" Pavement	
1	0.0		VOC Grab				Light brown sand	Grab #1
2	0.0					3 ft.		Grab #2
3	0.0							
4	0.0						Trace coal/coal ash	Grab #3
5	0.0						Sand & sandy clay w/gravel	Grab #4
6	0.0					3 ft.		
7	0.0						Light brown sand	Grab #5
8							End of Boring	
9								
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11								
12								
13								
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15								
16								
17								
18								
19								
20								

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

SOIL BORING LOG

Client: Prismatic Development Corp.	Boring No.: WC13	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336	Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY	Date: 2/4/2015	

Drilling Co: Impact Environmental
Method: Direct Push
Personnel: Blake Kimbro, John Herbig, Xin Yuan
Total Sample Depth: 10' Depth to Water: ND

FORMAT FOR CHARACTERIZATION

Ex.1: brown, loose F SILTY-SAND, with some C Gravel
Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0						6" Pavement	
1	0.0		VOC Grab				1 ft. Dark brown sand w/gravel	Grab #1
2	0.0					3 ft.		
3	0.0							
4	0.0						Five-graded gravel w/little sand	Grab #2
5	0.0							
6	0.0						Five-graded gravel w/little sand	Grab #3
7	0.0					2 ft.		Grab #4
8	0.0							
9	0.0							Grab #5
10							End of Boring	
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

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

SOIL BORING LOG

Client: Prismatic Development Corp.	Boring No.: WC14	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336	Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY	Date: 2/3/2015	

Drilling Co: Impact Environmental
Method: Direct Push
Personnel: Blake Kimbro, John Herbig, Xin Yuan
Total Sample Depth: 10' Depth to Water: 7'

FORMAT FOR CHARACTERIZATION

Ex.1: brown, loose F SILTY-SAND, with some C Gravel
Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0						Dark brown sand w/gravel & brick	
1	0.0						Trace coal ash & wood	Grab #1
2	0.0		VOC Grab			3.5 ft.		
3	0.0							Grab #2
4	0.0						Light brown sand @ bottom 1'	
5	0.0							Grab #3
6	0.0						Light brown sand w/gravel	Grab #4
7	0.0					4 ft.		
8	0.0							Grab #5
9	0.0						End of Boring	
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

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

SOIL BORING LOG

Client: Prismatic Development Corp.	Boring No.: WC15	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336	Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY	Date: 2/3/2015	

Drilling Co: Impact Environmental
Method: Direct Push
Personnel: Blake Kimbro, John Herbig, Xin Yuan
Total Sample Depth: 10' Depth to Water: 7'

FORMAT FOR CHARACTERIZATION

Ex.1: brown, loose F SILTY-SAND, with some C Gravel
Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0						6" concrete, gravel & asphalt	
1	0.0						Dark brown & black sand w/brick, gravel & trace ash	Grab #1
2	0.0		VOC Grab			4.5 ft.		
3	0.0							Grab #2
4	0.0							
5	0.0							Grab #3
6	0.0						Dark brown & black sand w/brick, gravel & trace ash	Grab #4
7	0.0					5 ft.		
8	0.0							Grab #5
9	0.0						End of Boring	
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TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: Prismatic Development Corp.	Boring No.: WC16	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336	Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY	Date: 2/3/2015	

Drilling Co: Impact Environmental
Method: Direct Push
Personnel: Blake Kimbro, John Herbig, Xin Yuan
Total Sample Depth: 10' Depth to Water: 8'

FORMAT FOR CHARACTERIZATION

Ex.1: brown, loose F SILTY-SAND, with some C Gravel
Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0						6 ft. concrete & gravel	
1	0.0		VOC Grab					Grab #1
2	0.0					2 ft.	Dark brown sand w/brick	Grab #2
3	0.0							
4	0.0							
5	0.0						Dark brown sand w/brick	Grab #3
6	0.0							Grab #4
7	0.0					3 ft.		
8	0.0						Light brown sand	Grab #5
9	0.0						End of Boring	
10								
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TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: Prismatic Development Corp.	Boring No.: WC17	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336	Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY	Date: 2/3/2015	

Drilling Co: Impact Environmental
Method: Direct Push
Personnel: Blake Kimbro, John Herbig, Xin Yuan
Total Sample Depth: 10' Depth to Water: 7'

FORMAT FOR CHARACTERIZATION

Ex.1: brown, loose F SILTY-SAND, with some C Gravel
Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0						6" asphalt & gravel	
1	0.0		VOC Grab				18" Dark brown sand w/trace brick & ash	Grab #1
2	0.0					4 ft.	1 ft. Dark brown sand w/brick & gravel	Grab #2
3	0.0							
4	0.0						Light brown sand	Grab #3
5	0.0							
6	0.0						Light brown sand	Grab #4
7	0.0					4.5 ft.		
8	0.0							
9	0.0							Grab #5
10							End of Boring	
11								
12								
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15								
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19								
20								

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

SOIL BORING LOG

Client: Prismatic Development Corp.	Boring No.: WC18	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336	Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY	Date: 2/3/2015	

Drilling Co: Impact Environmental
Method: Direct Push
Personnel: Blake Kimbro, John Herbig, Xin Yuan
Total Sample Depth: 10' Depth to Water: 7'

FORMAT FOR CHARACTERIZATION

Ex.1: brown, loose F SILTY-SAND, with some C Gravel
Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0							
1	0.0		VOC Grab				18 inches Dark brown sand w/gravel & brick	Grab #1
2	0.0					3 ft.		
3	0.0							
4	0.0						Light brown sand	Grab #2
5	0.0						Light brown sand w/gravel	Grab #3
6	0.0							
7	0.0					4 ft.	Light brown sand	Grab #4
8	0.0							
9	0.0							Grab #5
10							End of Boring	
11								
12								
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14								
15								
16								
17								
18								
19								
20								

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

SOIL BORING LOG

Client: Prismatic Development Corp.	Boring No.: WC19	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336	Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY	Date: 2/3/2015	

Drilling Co: Impact Environmental
Method: Direct Push
Personnel: Blake Kimbro, John Herbig, Xin Yuan
Total Sample Depth: 10' Depth to Water: 7'

FORMAT FOR CHARACTERIZATION

Ex.1: brown, loose F SILTY-SAND, with some C Gravel
Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0						6" asphalt	
1	0.0		VOC Grab				1 ft. Dark brown sand w/gravel	Grab #1
2	0.0					3 ft.		
3	0.0						Light brown sand	Grab #2
4	0.0							
5	0.0						Light brown sand	Grab #3
6	0.0							Grab #4
7	0.0					4 ft.	Light brown sand	
8	0.0							Grab #5
9	0.0						End of Boring	
10								
11								
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16								
17								
18								
19								
20								

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

SOIL BORING LOG

Client: Prismatic Development Corp.	Boring No.: WC20	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336	Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY	Date: 2/3/2015	

Drilling Co: Impact Environmental
Method: Direct Push
Personnel: Blake Kimbro, John Herbig, Xin Yuan
Total Sample Depth: 12' Depth to Water: 6'

FORMAT FOR CHARACTERIZATION

Ex.1: brown, loose F SILTY-SAND, with some C Gravel
Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0							
1	0.0		VOC Grab				2 ft. Dark brown sand w/gravel & brick	Grab #1
2	0.0					4 ft.		
3	0.0						Light brown sand	Grab #2
4	0.0							
5	0.0							Grab #3
6	0.0							
7	0.0					4 ft.	Light brown sand	
8	0.0							Grab #4
9	0.0							
10	0.0					1 ft.		Grab #5
11	0.0						End of Boring	
12								
13								
14								
15								
16								
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18								
19								
20								

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

SOIL BORING LOG

Client: Prismatic Development Corp.	Boring No.: WC21	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336	Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY	Date: 1/30/2015	

Drilling Co: Impact Environmental
Method: Direct Push
Personnel: Blake Kimbro, John Herbig, Xin Yuan
Total Sample Depth: 8' Depth to Water: 7'

FORMAT FOR CHARACTERIZATION

Ex.1: brown, loose F SILTY-SAND, with some C Gravel
Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0							
1	0.0						1 ft. pavement	Grab #1
2	0.0					3 ft.	Light brown sand	Grab #2
3	0.0							
4	0.0		VOC Grab					Grab #3
5	0.0						Light brown sand	Grab #4
6	0.0					3 ft.		Grab #5
7	0.0							
8							End of Boring	
9								
10								
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17								
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TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: Prismatic Development Corp.	Boring No.: WC22	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336	Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY	Date: 2/5/2015	

Drilling Co: Impact Environmental
Method: Direct Push
Personnel: Blake Kimbro, John Herbig, Xin Yuan
Total Sample Depth: 8' Depth to Water: 7'

FORMAT FOR CHARACTERIZATION

Ex.1: brown, loose F SILTY-SAND, with some C Gravel
Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0						6" gravel & asphalt	
1	0.0							Grab #1
2	0.0					3 ft.	Light brown sand w/gravel & concrete	Grab #2
3	0.0							
4	0.0		VOC Grab					Grab #3
5	0.0						Light brown sand w/gravel & concrete	Grab #4
6	0.0					2 ft.		
7	0.0							Grab #5
8							End of Boring	
9								
10								
11								
12								
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18								
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20								

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

SOIL BORING LOG

Client: Prismatic Development Corp.	Boring No.: WC23	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336	Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY	Date: 2/5/2015	

Drilling Co: Impact Environmental
Method: Direct Push
Personnel: Blake Kimbro, John Herbig, Xin Yuan
Total Sample Depth: 9' Depth to Water: 8'

FORMAT FOR CHARACTERIZATION

Ex.1: brown, loose F SILTY-SAND, with some C Gravel
Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0							
1	0.0		VOC Grab				Dark brown sand w/gravel & trace ash	Grab #1
2	0.0					3 ft.		
3	0.0							
4	0.0						Trace wood	Grab #2
5	0.0							Grab #3
6	0.0					3 ft.		
7	0.0						Dark brown sand w/concrete & trace wood	Grab #4
8	0.0							Grab #5
9							End of Boring	
10								
11								
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16								
17								
18								
19								
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TRACE = 1 - 10% LITTLE = 11 - 20% SOME = 21 - 35% AND = 36 - 50 %

SOIL BORING LOG

Client: Prismatic Development Corp.	Boring No.: WC24	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336	Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY	Date: 2/5/2015	

Drilling Co: Impact Environmental
Method: Direct Push
Personnel: Blake Kimbro, John Herbig, Xin Yuan
Total Sample Depth: 9' Depth to Water: 7'

FORMAT FOR CHARACTERIZATION

Ex.1: brown, loose F SILTY-SAND, with some C Gravel
Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0							
1	0.0		VOC Grab				Dark brown sand w/concrete, trace brick & ash	Grab #1
2	0.0					3 ft.		
3	0.0							
4	0.0							Grab #2
5	0.0							Grab #3
6	0.0					2 ft.	Light brown sand w/brick & concrete	
7	0.0							Grab #4
8	0.0							Grab #5
9							End of Boring	
10								
11								
12								
13								
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16								
17								
18								
19								
20								

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

SOIL BORING LOG

Client: Prismatic Development Corp.	Boring No.: WC25	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336	Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY	Date: 2/5/2015	

Drilling Co: Impact Environmental
Method: Direct Push
Personnel: Blake Kimbro, John Herbig, Xin Yuan
Total Sample Depth: 9' Depth to Water: 8'

FORMAT FOR CHARACTERIZATION

Ex.1: brown, loose F SILTY-SAND, with some C Gravel
Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0							
1	0.0		VOC Grab				Dark brown sand w/brick, concrete & gravel	Grab #1
2	0.0					4 ft.		
3	0.0							Grab #2
4	0.0							
5	0.0						Dark brown sand w/gravel, brick, & trace ash	Grab #3
6	0.0					3 ft.		
7	0.0						Dark brown sand w/concrete & trace wood	Grab #4
8	0.0							Grab #5
9							End of Boring	
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

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

SOIL BORING LOG

Client: Prismatic Development Corp.	Boring No.: WC26	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336	Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY	Date: 2/5/2015	

Drilling Co: Impact Environmental
Method: Direct Push
Personnel: Blake Kimbro, John Herbig, Xin Yuan
Total Sample Depth: 11' Depth to Water: 8'

FORMAT FOR CHARACTERIZATION

Ex.1: brown, loose F SILTY-SAND, with some C Gravel
Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0							
1	0.0						Dark brown sand w/concrete & trace ash	Grab #1
2	0.0		VOC Grab			3 ft.		
3	0.0							Grab #2
4	0.0						Light brown sand & concrete	
5	0.0							
6	0.0							Grab #3
7	0.0						Light brown sand & trace ash	
8	0.0					3 ft.		Grab #4
9	0.0							
10	0.0					1 ft.	Light brown sand End of Boring	Grab #5
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

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

SOIL BORING LOG

Client: Prismatic Development Corp.	Boring No.: WC27	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336	Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY	Date: 2/3/2015	

Drilling Co: Impact Environmental
Method: Direct Push
Personnel: Blake Kimbro, John Herbig, Xin Yuan
Total Sample Depth: 12' Depth to Water: 6'

FORMAT FOR CHARACTERIZATION

Ex.1: brown, loose F SILTY-SAND, with some C Gravel
Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0							
1	0.0		VOC Grab				18" Dark brown sand w/gravel & trace ash	Grab #1
2	0.0					3 ft.		
3	0.0						Dark brown sand	Grab #2
4	0.0							
5	0.0						Dark brown sand w/trace gravel	Grab #3
6	0.0						Light brown sand	
7	0.0					3 ft.		Grab #4
8	0.0							
9	0.0							
10	0.0					2 ft.	Dark brown sand	Grab #5
11	0.0						End of Boring	
12								
13								
14								
15								
16								
17								
18								
19								
20								

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

SOIL BORING LOG

Client: Prismatic Development Corp.	Boring No.: WC28	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336	Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY	Date: 1/30/2015	

Drilling Co: Impact Environmental
Method: Direct Push
Personnel: Blake Kimbro, John Herbig, Xin Yuan
Total Sample Depth: 9' Depth to Water: 7'

FORMAT FOR CHARACTERIZATION

Ex.1: brown, loose F SILTY-SAND, with some C Gravel
Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0						6" Pavement	
1	0.0		VOC Grab				Light brown sand	Grab #1
2	0.0					3 ft.		Grab #2
3	0.0							
4	0.0							Grab #3
5	0.0							
6	0.0						Light brown sand	Grab #4
7	0.0					2 ft.		
8	0.0							Grab #5
9							End of Boring	
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

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

SOIL BORING LOG

Client: Prismatic Development Corp.		Boring No.: WC29	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336		Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY		Date: 2/3/2015	
Drilling Co: Impact Environmental		*FORMAT FOR CHARACTERIZATION*	
Method: Direct Push		**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Blake Kimbro, John Herbig, Xin Yuan		**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Sample Depth: 12'	Depth to Water: 5'		

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0						Dark brown sand w/gravel & concrete Trace brick & ash	Grab #1
1	0.0							
2	0.0		VOC Grab			3 ft.		
3	0.0							Grab #2
4	0.0							
5	0.0						1 ft. Dark brown sand w/gravel	Grab #3
6	0.0						Light brown sand	
7	0.0					3 ft.		Grab #4
8	0.0							
9	0.0							
10	0.0					2 ft.	Light brown sand	Grab #5
11	0.0						End of Boring	
12								
13								
14								
15								
16								
17								
18								
19								
20								

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

SOIL BORING LOG

Client: Prismatic Development Corp.	Boring No.: WC30	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336	Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY	Date: 1/29/2015	

Drilling Co: Impact Environmental
Method: Direct Push
Personnel: Blake Kimbro, John Herbig, Xin Yuan
Total Sample Depth: 8' Depth to Water: 7'

FORMAT FOR CHARACTERIZATION

Ex.1: brown, loose F SILTY-SAND, with some C Gravel
Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0						6" Pavement	
1	0.0		VOC Grab				1 ft. Dark brown sand	Grab #1
2	0.0					3 ft.		Grab #2
3	0.0						Light brown sand	
4	0.0							Grab #3
5	0.0						Light brown sand w/gravel & concrete	Grab #4
6	0.0					3 ft.		Grab #5
7	0.0						End of Boring	
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

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

SOIL BORING LOG

Client: Prismatic Development Corp.	Boring No.: WC31	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336	Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY	Date: 2/5/2015	

Drilling Co: Impact Environmental
Method: Direct Push
Personnel: Blake Kimbro, John Herbig, Xin Yuan
Total Sample Depth: 8' Depth to Water: 7'

FORMAT FOR CHARACTERIZATION

Ex.1: brown, loose F SILTY-SAND, with some C Gravel
Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0						6" asphalt/gravel	
1	0.0		VOC Grab				Dark brown sand w/brick & gravel	Grab #1
2	0.0					3 ft.		Grab #2
3	0.0							
4	0.0							Grab #3
5	0.0						Light brown sand w/gravel & concrete	Grab #4
6	0.0					2 ft.		Grab #5
7	0.0						End of Boring	
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

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

SOIL BORING LOG

Client: Prismatic Development Corp.	Boring No.: WC32	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336	Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY	Date: 2/3/2015	

Drilling Co: Impact Environmental
Method: Direct Push
Personnel: Blake Kimbro, John Herbig, Xin Yuan
Total Sample Depth: 12' Depth to Water: 7'

FORMAT FOR CHARACTERIZATION

Ex.1: brown, loose F SILTY-SAND, with some C Gravel
Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0						1 ft. Asphalt	
1	0.0						2 ft. Dark brown sand w/gravel w/gravel & trace ash	Grab #1
2	0.0		VOC Grab			4 ft.		
3	0.0						Light brown sand	Grab #2
4	0.0							
5	0.0						2 ft. Dark brown sand w/trace gravel	Grab #3
6	0.0						Light brown sand (Wet)	
7	0.0					4 ft		Grab #4
8	0.0							
9	0.0							
10	0.0						Light brown sand (Wet)	Grab #5
11	0.0					2 ft.	End of Boring	
12								
13								
14								
15								
16								
17								
18								
19								
20								

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

SOIL BORING LOG

Client: Prismatic Development Corp.		Boring No.: WC33	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336		Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY		Date: 1/29/2015	
Drilling Co: Impact Environmental		*FORMAT FOR CHARACTERIZATION*	
Method: Direct Push		**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Blake Kimbro, John Herbig, Xin Yuan		**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Sample Depth: 9'	Depth to Water: 7'		

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0						2 ft. Concrete & asphalt	
1	0.0						6" Dark brown sand w/gravel	Grab #1
2	0.0					3 ft.		
3	0.0		VOC Grab				Light brown sand	Grab #2
4	0.0							
5	0.0							Grab #3
6	0.0					4 ft.		
7	0.0						Light brown sand w/trace gravel	Grab #4
8	0.0							Grab #5
9							End of Boring	
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

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

SOIL BORING LOG

Client: Prismatic Development Corp.		Boring No.: WC34	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336		Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY		Date: 2/5/2015	
Drilling Co: Impact Environmental		*FORMAT FOR CHARACTERIZATION*	
Method: Direct Push		**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Blake Kimbro, John Herbig, Xin Yuan		**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Sample Depth: 11'	Depth to Water: 8'		

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0						6" Asphalt/gravel	
1	0.0						Dark brown sand w/brick & trace ash	Grab #1
2	0.0		VOC Grab			3 ft.		
3	0.0							Grab #2
4	0.0							
5	0.0						Light brown sand w/gravel	Grab #3
6	0.0							
7	0.0					3 ft.		Grab #4
8	0.0							
9	0.0							Grab #5
10	0.0					1 ft.	End of Boring	
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

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

SOIL BORING LOG

Client: Prismatic Development Corp.	Boring No.: WC35	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336	Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY	Date: 2/3/2015	

Drilling Co: Impact Environmental
Method: Direct Push
Personnel: Blake Kimbro, John Herbig, Xin Yuan
Total Sample Depth: 12' Depth to Water: 6'

FORMAT FOR CHARACTERIZATION

Ex.1: brown, loose F SILTY-SAND, with some C Gravel
Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0						2 ft. Dark brown sand w/gravel & trace brick & ash	
1	0.0		VOC Grab					Grab #1
2	0.0					4 ft.		
3	0.0						Light brown sand	Grab #2
4	0.0							
5	0.0						1 ft. Dark brown sand w/gravel	Grab #3
6	0.0							
7	0.0					3 ft.	Light brown sand	Grab #4
8	0.0							
9	0.0							
10	0.0					2 ft.	Light brown sand	Grab #5
11	0.0						End of Boring	
12								
13								
14								
15								
16								
17								
18								
19								
20								

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

SOIL BORING LOG

Client: Prismatic Development Corp.	Boring No.: WC36	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336	Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY	Date: 1/29/2015	

Drilling Co: Impact Environmental
Method: Direct Push
Personnel: Blake Kimbro, John Herbig, Xin Yuan
Total Sample Depth: 8' Depth to Water: 6'

FORMAT FOR CHARACTERIZATION

Ex.1: brown, loose F SILTY-SAND, with some C Gravel
Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0						1 ft. Concrete	
1	0.0						6" Gravel & dark brown sand	Grab #1
2	0.0		VOC Grab			3 ft.		Grab #2
3	0.0							
4	0.0						Trace coal/coal ash	Grab #3
5	0.0						Dark brown sand w/gravel	Grab #4
6	0.0					3 ft.	w/gravel	
7	0.0						Light brown sand	Grab #5
8							End of Boring	
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

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

SOIL BORING LOG

Client: Prismatic Development Corp.	Boring No.: WC37	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336	Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY	Date: 2/4/2015	

Drilling Co: Impact Environmental
Method: Direct Push
Personnel: Blake Kimbro, John Herbig, Xin Yuan
Total Sample Depth: 8' Depth to Water: ND

FORMAT FOR CHARACTERIZATION

Ex.1: brown, loose F SILTY-SAND, with some C Gravel
Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0						6" Gravel & asphalt	
1	0.0						Dark brown & light brown sand w/gravel & brick	Grab #1
2	0.0					3 ft.		
3	0.0							Grab #2
4	0.0		VOC Grab					
5	0.0							Grab #3
6	0.0					3 ft.	Light brown sand w/gravel	Grab #4
7	0.0						Trace Ash	Grab #5
8							End of Boring	
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

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

SOIL BORING LOG

Client: Prismatic Development Corp.	Boring No.: WC38	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336	Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY	Date: 2/4/2015	

Drilling Co: Impact Environmental
Method: Direct Push
Personnel: Blake Kimbro, John Herbig, Xin Yuan
Total Sample Depth: 9' Depth to Water: 8'

FORMAT FOR CHARACTERIZATION

Ex.1: brown, loose F SILTY-SAND, with some C Gravel
Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0						2.5 ft. Dark brown sand w/gravel, asphalt, brick, & trace ash	
1	0.0		VOC Grab					Grab #1
2	0.0					4.5 ft.		Grab #2
3	0.0							
4	0.0						Light brown sand w/gravel	Grab #3
5	0.0							Grab #4
6	0.0					2 ft.	Light brown sand w/gravel	
7	0.0							Grab #5
8	0.0						End of Boring	
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

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

SOIL BORING LOG

Client: Prismatic Development Corp.	Boring No.: WC39	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336	Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY	Date: 2/5/2015	

Drilling Co: Impact Environmental
Method: Direct Push
Personnel: Blake Kimbro, John Herbig, Xin Yuan
Total Sample Depth: 12' Depth to Water: 9'

FORMAT FOR CHARACTERIZATION

Ex.1: brown, loose F SILTY-SAND, with some C Gravel
Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0						Dark brown sand w/brick, concrete, trace ash, & coal	
1	0.0							Grab #1
2	0.0		VOC Grab			5 ft.		
3	0.0							Grab #2
4	0.0							
5	0.0						Dark brown sand w/brick & gravel	Grab #3
6	0.0							
7	0.0					4 ft.		Grab #4
8	0.0							
9	0.0							
10	0.0					2 ft.	Brick & gravel	Grab #5
11	0.0						End of Boring	
12								
13								
14								
15								
16								
17								
18								
19								
20								

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

SOIL BORING LOG

Client: Prismatic Development Corp.	Boring No.: WC40	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336	Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY	Date: 2/3/2015	

Drilling Co: Impact Environmental
Method: Direct Push
Personnel: Blake Kimbro, John Herbig, Xin Yuan
Total Sample Depth: 12' Depth to Water: 7'

FORMAT FOR CHARACTERIZATION

Ex.1: brown, loose F SILTY-SAND, with some C Gravel
Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0						2 ft. Dark brown sand w/gravel, trace brick, & trace ash	
1	0.0		VOC Grab					Grab #1
2	0.0					4 ft.		
3	0.0						Light brown sand	Grab #2
4	0.0							
5	0.0						Dark brown sand w/gravel	Grab #3
6	0.0							
7	0.0					3 ft.	Light brown sand	Grab #4
8	0.0							
9	0.0							
10	0.0					1 ft.	Light brown sand	Grab #5
11	0.0						End of Boring	
12								
13								
14								
15								
16								
17								
18								
19								
20								

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

SOIL BORING LOG

Client: Prismatic Development Corp.	Boring No.: WC41	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336	Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY	Date: 1/29/2015	

Drilling Co: Impact Environmental
Method: Direct Push
Personnel: Blake Kimbro, John Herbig, Xin Yuan
Total Sample Depth: 9' Depth to Water: 8'

FORMAT FOR CHARACTERIZATION

Ex.1: brown, loose F SILTY-SAND, with some C Gravel
Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0						1 ft. Concrete	
1	0.0		VOC Grab				Dark brown sand w/gravel	Grab #1
2	0.0					3 ft.		Grab #2
3	0.0						Dark brown sand	
4	0.0							Grab #3
5	0.0					4 ft.	Dark brown sand w/gravel	Grab #4
6	0.0						Dark brown sand	
7	0.0						Light brown sand (Wet)	Grab #5
8	0.0						End of Boring	
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

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

SOIL BORING LOG

Client: Prismatic Development Corp.	Boring No.: WC42	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336	Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY	Date: 2/4/2015	

Drilling Co: Impact Environmental
Method: Direct Push
Personnel: Blake Kimbro, John Herbig, Xin Yuan
Total Sample Depth: 8' Depth to Water: ND

FORMAT FOR CHARACTERIZATION

Ex.1: brown, loose F SILTY-SAND, with some C Gravel
Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0							
1	0.0		VOC Grab				Dark brown sand w/gravel & brick Trace ash	Grab #1
2	0.0					2 ft.		Grab #2
3	0.0						Rock at 4 ft.	
4	0.0						Light brown sand	Grab #3
5	0.0							Grab #4
6	0.0					3 ft.	Light brown sand w/brick	
7	0.0							Grab #5
8							End of Boring	
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

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

SOIL BORING LOG

Client: Prismatic Development Corp.	Boring No.: WC43	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336	Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY	Date: 2/4/2015	

Drilling Co: Impact Environmental
Method: Direct Push
Personnel: Blake Kimbro, John Herbig, Xin Yuan
Total Sample Depth: 8' Depth to Water: 7'

FORMAT FOR CHARACTERIZATION

Ex.1: brown, loose F SILTY-SAND, with some C Gravel
Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0							
1	0.0		VOC Grab				Dark brown sand w/gravel, brick, concrete	Grab #1
2	0.0					3 ft.		Grab #2
3	0.0						Trace ash	
4	0.0							Grab #3
5	0.0						Dark brown sand w/gravel, brick, & concrete	Grab #4
6	0.0					2 ft.		Grab #5
7	0.0							
8							End of Boring	
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

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

SOIL BORING LOG

Client: Prismatic Development Corp.	Boring No.: WC44	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336	Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY	Date: 2/4/2015	

Drilling Co: Impact Environmental
Method: Direct Push
Personnel: Blake Kimbro, John Herbig, Xin Yuan
Total Sample Depth: 10' Depth to Water: 7'

FORMAT FOR CHARACTERIZATION

Ex.1: brown, loose F SILTY-SAND, with some C Gravel
Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0						Dark brown sand w/gravel, brick, trace ash, wood, & concrete fragments	
1	0.0		VOC Grab					Grab #1
2	0.0					5 ft.		
3	0.0							Grab #2
4	0.0							
5	0.0						2 ft. Dark brown sand w/gravel w/gravel	Grab #3
6	0.0							
7	0.0					5 ft.		Grab #4
8	0.0						Light brown sand	
9	0.0							Grab #5
10							End of Boring	
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

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

SOIL BORING LOG

Client: Prismatic Development Corp.	Boring No.: WC45	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336	Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY	Date: 2/4/2015	

Drilling Co: Impact Environmental
Method: Direct Push
Personnel: Blake Kimbro, John Herbig, Xin Yuan
Total Sample Depth: 12' Depth to Water: 8'

FORMAT FOR CHARACTERIZATION

Ex.1: brown, loose F SILTY-SAND, with some C Gravel
Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0						2.5 ft. Dark brown sand w/gravel, incidental asphalt, brick, & trace ash	
1	0.0							Grab #1
2	0.0		VOC Grab			4 ft.	w/gravel & brick	
3	0.0						Light brown sand w/gravel & trace wood	Grab #2
4	0.0							
5	0.0						1 ft. Light brown sand w/gravel	Grab #3
6	0.0							
7	0.0					4 ft.	Dark brown sand w/gravel	Grab #4
8	0.0							
9	0.0							
10	0.0					1 ft.	Light brown sand	Grab #5
11	0.0						End of Boring	
12								
13								
14								
15								
16								
17								
18								
19								
20								

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

SOIL BORING LOG

Client: Prismatic Development Corp.		Boring No.: WC46	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336		Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY		Date: 1/29/2015	
Drilling Co: Impact Environmental		*FORMAT FOR CHARACTERIZATION*	
Method: Direct Push		**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Blake Kimbro, John Herbig, Xin Yuan		**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Sample Depth: 9'	Depth to Water: 8'		

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0						1 ft. Concrete 1 ft. Gravel & sand w/gravel, asphalt, brick, & trace ash	
1	0.0							Grab #1
2	0.0		VOC Grab			3 ft.	Light brown sand	Grab #2
3	0.0							
4	0.0							Grab #3
5	0.0						Light brown sand	Grab #4
6	0.0					3 ft.		
7	0.0							Grab #5
8	0.0						End of Boring	
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

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

SOIL BORING LOG

Client: Prismatic Development Corp.	Boring No.: WC47	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336	Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY	Date: 2/4/2015	

Drilling Co: Impact Environmental
Method: Direct Push
Personnel: Blake Kimbro, John Herbig, Xin Yuan
Total Sample Depth: 7' Depth to Water: N/A

FORMAT FOR CHARACTERIZATION

Ex.1: brown, loose F SILTY-SAND, with some C Gravel
Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0						6" Gravel & asphalt	
1	0.0							Grab #1
2	0.0		VOC Grab			3 ft.	Dark brown sand w/gravel & brick	Grab #2
3	0.0							
4	0.0						Trace coal/coal ash	Grab #3
5	0.0						Dark brown sand w/gravel & trace ash	Grab #4
6	0.0					2 ft.		
7							End of Boring	Grab #5
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

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

SOIL BORING LOG

Client: Prismatic Development Corp.	Boring No.: WC48	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336	Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY	Date: 2/4/2015	

Drilling Co: Impact Environmental
Method: Direct Push
Personnel: Blake Kimbro, John Herbig, Xin Yuan
Total Sample Depth: 8' Depth to Water: ND

FORMAT FOR CHARACTERIZATION

Ex.1: brown, loose F SILTY-SAND, with some C Gravel
Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0						6" Gravel	
1	0.0						Dark brown sand w/gravel & brick	Grab #1
2	0.0		VOC Grab			3 ft.		Grab #2
3	0.0						Trace coal	
4	0.0							Grab #3
5	0.0						Dark brown sand w/gravel w/gravel	Grab #4
6	0.0					1 ft.	Light brown sand	Grab #5
7	0.0						End of Boring	
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

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

SOIL BORING LOG

Client: Prismatic Development Corp.	Boring No.: WC49	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336	Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY	Date: 2/4/2015	

Drilling Co: Impact Environmental
Method: Direct Push
Personnel: Blake Kimbro, John Herbig, Xin Yuan
Total Sample Depth: 10.5' Depth to Water: 8'

FORMAT FOR CHARACTERIZATION

Ex.1: brown, loose F SILTY-SAND, with some C Gravel
Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0						6" Asphalt	
1								Grab #1
	0.0		VOC Grab				Dark brown sand w/gravel & brick	
2								
	0.0					4 ft.		Grab #2
3								
	0.0							
4								
	0.0							
5								
	0.0						Dark brown sand w/brick, gravel, & trace ash	Grab #3
6								
	0.0							Grab #4
7								
	0.0					3 ft.		
8								
	0.0						Light brown sand (Coarse to Fine)	
9								
	0.0							
10							Sandy silt with trace ash	Grab #5
	0.0					0.5 ft.	End of Boring	
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

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

SOIL BORING LOG

Client: Prismatic Development Corp.	Boring No.: WC50	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336	Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY	Date: 2/4/2015	

Drilling Co: Impact Environmental
Method: Direct Push
Personnel: Blake Kimbro, John Herbig, Xin Yuan
Total Sample Depth: 8' Depth to Water: 7'

FORMAT FOR CHARACTERIZATION

Ex.1: brown, loose F SILTY-SAND, with some C Gravel
Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0						6" Gravel	
1	0.0						6" Gravel & sand	Grab #1
2	0.0		VOC Grab			5 ft.	Dark brown sand w/brick, concrete, & gravel	
3	0.0						Trace ash	Grab #2
4	0.0							
5	0.0						6" Dark brown sand w/gravel	Grab #3
6	0.0					3 ft.	Light brown sand	Grab #4
7	0.0							Grab #5
8							End of Boring	
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

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

SOIL BORING LOG

Client: Prismatic Development Corp.	Boring No.: WC51	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336	Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY	Date: 2/4/2015	

Drilling Co: Impact Environmental
Method: Direct Push
Personnel: Blake Kimbro, John Herbig, Xin Yuan
Total Sample Depth: 8' Depth to Water: 7'

FORMAT FOR CHARACTERIZATION

Ex.1: brown, loose F SILTY-SAND, with some C Gravel
Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0						1 ft. Asphalt & gravel	
1	0.0							Grab #1
2	0.0		VOC Grab			3 ft.	2 ft. Dark brown sand w/brick & gravel	
3	0.0						Trace coal ash	Grab #2
4	0.0							
5	0.0						Light brown sand	Grab #3
6	0.0					3 ft.		Grab #4
7	0.0							Grab #5
8							End of Boring	
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

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

SOIL BORING LOG

Client: Prismatic Development Corp.	Boring No.: WC52	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336	Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY	Date: 1/26/2015	

Drilling Co: Impact Environmental
Method: Direct Push
Personnel: Blake Kimbro, John Herbig, Xin Yuan
Total Sample Depth: 10' Depth to Water: 7'

FORMAT FOR CHARACTERIZATION

Ex.1: brown, loose F SILTY-SAND, with some C Gravel
Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0						Dark brown sand to light brown sand w/brick fragments	
1	0.0							Grab #1
2	0.0		VOC Grab			4 ft.		
3	0.0							Grab #2
4	0.0							
5	0.0						Light brown sand w/gravel	Grab #3
6	0.0							Grab #4
7	0.0					5 ft.		
8	0.0						Light brown sand	Grab #5
9	0.0						End of Boring	
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

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

SOIL BORING LOG

Client: Prismatic Development Corp.	Boring No.: WC53	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336	Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY	Date: 1/26/2015	

Drilling Co: Impact Environmental
Method: Direct Push
Personnel: Blake Kimbro, John Herbig, Xin Yuan
Total Sample Depth: 10' Depth to Water: 7'

FORMAT FOR CHARACTERIZATION

Ex.1: brown, loose F SILTY-SAND, with some C Gravel
Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0						18" Pavement, gravel, & brick	
1	0.0							Grab #1
2	0.0					4 ft.		
3	0.0							Grab #2
4	0.0							
5	0.0						6" gravel & sand	Grab #3
6	0.0		VOC Grab					Grab #4
7	0.0					5 ft.		
8	0.0						Light brown sand	Grab #5
9	0.0						End of Boring	
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

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

SOIL BORING LOG

Client: Prismatic Development Corp.		Boring No.: WC54	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336		Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY		Date: 1/26/2015	
Drilling Co: Impact Environmental		*FORMAT FOR CHARACTERIZATION*	
Method: Direct Push		**Ex.1:** brown, loose F SILTY-SAND, with some C Gravel	
Personnel: Blake Kimbro, John Herbig, Xin Yuan		**Ex.2:** grey & brown mottled soft CLAY and brown F SAND, with trace organics	
Total Sample Depth: 15' Depth to Water: 7'			

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0						18" Pavement, gravel, & sandy till	
1	0.0							Grab #1
2	0.0		VOC Grab			5 ft.		
3	0.0						Dark brown sand & brick	Grab #2
4	0.0							
5	0.0						1 ft. Gravel, sandy fill	Grab #3
6	0.0							
7	0.0					3 ft.	Light brown sand	Grab #4
8	0.0							
9	0.0							
10	0.0						Light brown sand	Grab #5
11	0.0							
12	0.0					2.5 ft.		
13	0.0							
14	0.0						End of Boring	
15								
16								
17								
18								
19								
20								

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

SOIL BORING LOG

Client: Prismatic Development Corp.	Boring No.: WC55	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336	Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY	Date: 1/29/2015	

Drilling Co: Impact Environmental
Method: Direct Push
Personnel: Blake Kimbro, John Herbig, Xin Yuan
Total Sample Depth: 9' Depth to Water: 8'

FORMAT FOR CHARACTERIZATION

Ex.1: brown, loose F SILTY-SAND, with some C Gravel
Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0						1 ft. Concrete & pavement	
1	0.0						1 ft. Sand & gravel	Grab #1
2	0.0					3 ft.	1 ft. Light brown sand	Grab #2
3	0.0		VOC Grab					
4	0.0							
5	0.0						Light brown sand & gravel	Grab #3
6	0.0					3 ft.		Grab #4
7	0.0						Light brown sand (Wet)	Grab #5
8	0.0						End of Boring	
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

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

SOIL BORING LOG

Client: Prismatic Development Corp.	Boring No.: WC56	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336	Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY	Date: 1/26/2015	

Drilling Co: Impact Environmental
Method: Direct Push
Personnel: Blake Kimbro, John Herbig, Xin Yuan
Total Sample Depth: 10' Depth to Water: 6.5'

FORMAT FOR CHARACTERIZATION

Ex.1: brown, loose F SILTY-SAND, with some C Gravel
Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0						1 ft. Pavement, gravel, & sandy till	
1	0.0							Grab #1
2	0.0					2.5 ft.		
3	0.0						Wood pieces	Grab #2
4	0.0		VOC Grab					
5	0.0						Light brown sand	Grab #3
6	0.0							Grab #4
7	0.0					4 ft.		
8	0.0							Grab #5
9	0.0						End of Boring	
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

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

SOIL BORING LOG

Client: Prismatic Development Corp.	Boring No.: WC57	Impact Environmental 170 Keyland Court Bohemia, NY 11217 (631) 269-8800
Project # : 7336	Sheet 1 of 1	
Site Location: SW Marine Transfer Station, Brooklyn, NY	Date: 2/3/2015	

Drilling Co: Impact Environmental
Method: Direct Push
Personnel: Blake Kimbro, John Herbig, Xin Yuan
Total Sample Depth: 12' Depth to Water: 6'

FORMAT FOR CHARACTERIZATION

Ex.1: brown, loose F SILTY-SAND, with some C Gravel
Ex.2: grey & brown mottled soft CLAY and brown F SAND, with trace organics

depth (feet)	PID (ppm)	Blow Counts	Sample ID	Depth (From-To)	Moisture Content	Recovery (inches)	Soil Classification	Remarks
	0.0						1 ft. Concrete & pavement w/gravel, trace brick, Gravel & dark brown sand	
1	0.0							Grab #1
2	0.0		VOC Grab			4 ft.		
3	0.0						Light brown sand	Grab #2
4	0.0							
5	0.0						Light brown sand (Wet)	Grab #3
6	0.0							
7	0.0					2 ft.	Light brown sand	Grab #4
8	0.0							
9	0.0							
10	0.0					2 ft.	Light brown sand	Grab #5
11	0.0						End of Boring	
12								
13								
14								
15								
16								
17								
18								
19								
20								

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

Appendix B: Daily Project Summary Quality Control Reports

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DAILY PROJECT SUMMARY QUALITY CONTROL REPORT

(REPORT NO. 1 DATE: 1/26/15)

PROJECT INFORMATION

IMP Project No.: 7336	Contract No.: S216-399A
Weather: Snow	
Site: Brooklyn Southwest Marine Transfer Station	
Work Performed: Soil Sampling	
Areas Sampled: WC 52, 53, 54, 56.	
Samples Collected: see above.	

PERSONNEL INFORMATION

Sampling Staff: XY.	Quality Control Manager On-site: [signature]
Subcontractors On Site & Task: NA.	
Equipment On Site: Geoprobe.	

QUALITY ASSURANCE AND CONTROL CHECKLIST

1. Equipment Decontamination Checklist

- ☒ Sampling tools decontaminated prior arrival on the site and/or apply on a new sample location[1]
- ☒ Drilling rigs and/or hand auger decontaminated prior arrival on the site and/or apply on a new sample location[1]
- ☒ PID meter calibrated prior to use

2. Sample Collection Quality Assurance Checklist

- ☒ Enough soil was recovered from the sampling tools to make up composite samples
- ☒ The location of discrete sample to be analyzed for VOCs was bias to the highest PID meter reading recorded and/or the most visual and olfactory contaminated location
- ☒ Disposable gloves were used during sample collection
- ☒ Disposable sampling collectors (e.g., aluminum mixture container and zip log disposable plastic bags) used

☒ Laboratory supplied glassware used
☒ Samples were placed into cooler at 4 degrees Celsius after retrieve from the sampling core

3. Sample Transfer Quality Assurance Checklist

☒ Samples were properly named as the location where that were collected
☒ Chain of Custody Form has been completed and supplied when transfer the cooler to the laboratory courier
☒ Laboratory courier signed off the Chain of Custody From
☒ The cooler was maintain at 4 C

4. Laboratory Quality Control Checklist

☒ Acknowledge of the laboratory director in receipt of the samples

LIST OF ATTACHMENTS (E.G., FIELD NOTES, BORING LOGS, AND SKETCH OF SAMPLING MAP):

Boring logs.

PREPARED BY: _____ (PRINT AND SIGNATURE) DATED 1/26/15

CHECKED BY: _____ (PRINT AND SIGNATURE) DATED 1/26/15

Note 1: Equipment decontamination shall follow the following methods as descripted in the ISSAP Section 6.0: using the following methods: 1) remove all adherent material with stiff bristle brush; 2) wash with a laboratory grade glassware detergent or Alconox; 3) Triple rinse with tap water.

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DAILY PROJECT SUMMARY QUALITY CONTROL REPORT

(REPORT NO. #2. DATE: 1/29/12

PROJECT INFORMATION

IMP Project No.: 7336	Contract No.: S216-399A
Weather: sunny	
Site: Brooklyn Southwest Marine Transfer Station	
Work Performed: Soil Sampling	
Areas Sampled: WC 1, 8, 30, 33, 36, 41, 46, 55, 57	
Samples Collected: ✓	

PERSONNEL INFORMATION

Sampling Staff: XY	Quality Control Manager On-site: Grant Macdonald
Subcontractors On Site & Task: N.A.	
Equipment On Site: Geoprobe.	

QUALITY ASSURANCE AND CONTROL CHECKLIST

1. Equipment Decontamination Checklist

- ☒ Sampling tools decontaminated prior arrival on the site and/or apply on a new sample location[1]
- ☒ Drilling rigs and/or hand auger decontaminated prior arrival on the site and/or apply on a new sample location[1]
- ☒ PID meter calibrated prior to use

2. Sample Collection Quality Assurance Checklist

- ☒ Enough soil was recovered from the sampling tools to make up composite samples
- ☒ The location of discrete sample to be analyzed for VOCs was bias to the highest PID meter reading recorded and/or the most visual and olfactory contaminated location
- ☒ Disposable gloves were used during sample collection
- ☒ Disposable sampling collectors (e.g., aluminum mixture container and zip log disposable plastic bags) used

☒ Laboratory supplied glassware used

☒ Samples were placed into cooler at 4 degrees Celsius after retrieve from the sampling core

3. Sample Transfer Quality Assurance Checklist

☒ Samples were properly named as the location where that were collected

☒ Chain of Custody Form has been completed and supplied when transfer the cooler to the laboratory courier

☒ Laboratory courier signed off the Chain of Custody From

☒ The cooler was maintain at 4 C

4. Laboratory Quality Control Checklist

☒ Acknowledge of the laboratory director in receipt of the samples

LIST OF ATTACHMENTS (E.G., FIELD NOTES, BORING LOGS, AND SKETCH OF SAMPLING MAP):

Boring Logs

PREPARED BY: _____ DATED 1/29/15
(PRINT AND SIGNATURE)

CHECKED BY: Richard Tonnesen _____ DATED 1/29/15
(PRINT AND SIGNATURE)

Note 1: Equipment decontamination shall follow the following methods as descripted in the ISSAP Section 6.0: using the following methods: 1) remove all adherent material with stiff bristle brush; 2) wash with a laboratory grade glassware detergent or Alconox; 3) Triple rinse with tap water.

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DAILY PROJECT SUMMARY QUALITY CONTROL REPORT

(REPORT NO. 3 DATE: 1/30)

PROJECT INFORMATION

IMP Project No.: 7336	Contract No.: S216-399A
Weather: Snow, Sunny / cloudy	
Site: Brooklyn Southwest Marine Transfer Station	
Work Performed: Soil Sampling	
Areas Sampled: WC 2, 3, 4, 5, 9, 10, 11, 12, 21, 28.	
Samples Collected: see above	

PERSONNEL INFORMATION

Sampling Staff: XY	Quality Control Manager On-site:
Subcontractors On Site & Task: N.A.	
Equipment On Site: Geoprobe	

QUALITY ASSURANCE AND CONTROL CHECKLIST

1. Equipment Decontamination Checklist

- ☒ Sampling tools decontaminated prior arrival on the site and/or apply on a new sample location[1]
- ☒ Drilling rigs and/or hand auger decontaminated prior arrival on the site and/or apply on a new sample location[1]
- ☒ PID meter calibrated prior to use

2. Sample Collection Quality Assurance Checklist

- ☒ Enough soil was recovered from the sampling tools to make up composite samples
- ☒ The location of discrete sample to be analyzed for VOCs was bias to the highest PID meter reading recorded and/or the most visual and olfactory contaminated location
- ☒ Disposable gloves were used during sample collection
- ☒ Disposable sampling collectors (e.g., aluminum mixture container and zip log disposable plastic bags) used

☒ Laboratory supplied glassware used
☒ Samples were placed into cooler at 4 degrees Celsius after retrieve from the sampling core

3. Sample Transfer Quality Assurance Checklist

☒ Samples were properly named as the location where that were collected
☒ Chain of Custody Form has been completed and supplied when transfer the cooler to the laboratory courier
☒ Laboratory courier signed off the Chain of Custody From
☒ The cooler was maintain at 4 C

4. Laboratory Quality Control Checklist

☐ Acknowledge of the laboratory director in receipt of the samples

LIST OF ATTACHMENTS (E.G., FIELD NOTES, BORING LOGS, AND SKETCH OF SAMPLING MAP):

PREPARED BY: Xin Yuan (PRINT AND SIGNATURE) DATED 1/30/15

CHECKED BY: Richard Tonnesen (PRINT AND SIGNATURE) DATED 1/30/15

Note 1: Equipment decontamination shall follow the following methods as descripted in the ISSAP Section 6.0: using the following methods: 1) remove all adherent material with stiff bristle brush; 2) wash with a laboratory grade glassware detergent or Alconox; 3) Triple rinse with tap water.

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DAILY PROJECT SUMMARY QUALITY CONTROL REPORT

(REPORT NO. 4 DATE: 2/3/15)

PROJECT INFORMATION

IMP Project No.: 7336	Contract No.: S216-399A
Weather: Sunny	
Site: Brooklyn Southwest Marine Transfer Station	
Work Performed: Soil Sampling	
Areas Sampled: WC14, 15, 16, 17, 18, 19, 20, 27, 29, 32, 35, 40.	
Samples Collected: see above	

PERSONNEL INFORMATION

Sampling Staff: XY	Quality Control Manager On-site:
Subcontractors On Site & Task: N.A.	
Equipment On Site: Geoprobe	

QUALITY ASSURANCE AND CONTROL CHECKLIST

1. Equipment Decontamination Checklist

- ☒ Sampling tools decontaminated prior arrival on the site and/or apply on a new sample location[1]
- ☒ Drilling rigs and/or hand auger decontaminated prior arrival on the site and/or apply on a new sample location[1]
- ☒ PID meter calibrated prior to use

2. Sample Collection Quality Assurance Checklist

- ☒ Enough soil was recovered from the sampling tools to make up composite samples
- ☒ The location of discrete sample to be analyzed for VOCs was bias to the highest PID meter reading recorded and/or the most visual and olfactory contaminated location
- ☒ Disposable gloves were used during sample collection
- ☒ Disposable sampling collectors (e.g., aluminum mixture container and zip log disposable plastic bags) used

☒ Laboratory supplied glassware used
☒ Samples were placed into cooler at 4 degrees Celsius after retrieve from the sampling core

3. Sample Transfer Quality Assurance Checklist

☒ Samples were properly named as the location where that were collected
☒ Chain of Custody Form has been completed and supplied when transfer the cooler to the laboratory courier
☒ Laboratory courier signed off the Chain of Custody From
☒ The cooler was maintain at 4 C

4. Laboratory Quality Control Checklist

☒ Acknowledge of the laboratory director in receipt of the samples

LIST OF ATTACHMENTS (E.G., FIELD NOTES, BORING LOGS, AND SKETCH OF SAMPLING MAP):

Boring Logs

PREPARED BY: Xin Yuan [signature] DATED 2/3/15
(PRINT AND SIGNATURE)

CHECKED BY: Richard Bonaesa [signature] DATED 2/3/15
(PRINT AND SIGNATURE)

Note 1: Equipment decontamination shall follow the following methods as descripted in the ISSAP Section 6.0: using the following methods: 1) remove all adherent material with stiff bristle brush; 2) wash with a laboratory grade glassware detergent or Alconox; 3) Triple rinse with tap water.

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DAILY PROJECT SUMMARY QUALITY CONTROL REPORT

(REPORT NO. 5 DATE: 2/4/15

PROJECT INFORMATION

IMP Project No.: 7336	Contract No.: S216-399A
Weather: overcast	
Site: Brooklyn Southwest Marine Transfer Station	
Work Performed: Soil Sampling	
Areas Sampled: WC 13, 37, 38, 42, 43, 44, 45, 47, 48, 49, 50, 51.	
Samples Collected: see above.	

PERSONNEL INFORMATION

Sampling Staff: XY	Quality Control Manager On-site:
Subcontractors On Site & Task: N.A.	
Equipment On Site: Geoprobe	

QUALITY ASSURANCE AND CONTROL CHECKLIST

1. Equipment Decontamination Checklist

- ☒ Sampling tools decontaminated prior arrival on the site and/or apply on a new sample location[1]
- ☒ Drilling rigs and/or hand auger decontaminated prior arrival on the site and/or apply on a new sample location[1]
- ☒ PID meter calibrated prior to use

2. Sample Collection Quality Assurance Checklist

- ☒ Enough soil was recovered from the sampling tools to make up composite samples
- ☒ The location of discrete sample to be analyzed for VOCs was bias to the highest PID meter reading recorded and/or the most visual and olfactory contaminated location
- ☒ Disposable gloves were used during sample collection
- ☒ Disposable sampling collectors (e.g., aluminum mixture container and zip log disposable plastic bags) used

☒ Laboratory supplied glassware used
☒ Samples were placed into cooler at 4 degrees Celsius after retrieve from the sampling core

3. Sample Transfer Quality Assurance Checklist

☒ Samples were properly named as the location where that were collected
☒ Chain of Custody Form has been completed and supplied when transfer the cooler to the laboratory courier
☒ Laboratory courier signed off the Chain of Custody From
☒ The cooler was maintain at 4 C

4. Laboratory Quality Control Checklist

☒ Acknowledge of the laboratory director in receipt of the samples

LIST OF ATTACHMENTS (E.G., FIELD NOTES, BORING LOGS, AND SKETCH OF SAMPLING MAP):

Boring Logs

PREPARED BY: Xin Yuan [signature] DATED 2/4/15
(PRINT AND SIGNATURE)

CHECKED BY: Richard Jonnson [signature] DATED 2/4/15
(PRINT AND SIGNATURE)

Note 1: Equipment decontamination shall follow the following methods as descripted in the ISSAP Section 6.0: using the following methods: 1) remove all adherent material with stiff bristle brush; 2) wash with a laboratory grade glassware detergent or Alconox; 3) Triple rinse with tap water.

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DAILY PROJECT SUMMARY QUALITY CONTROL REPORT

(REPORT NO. 6 DATE: 2/5/15)

PROJECT INFORMATION

IMP Project No.: 7336	Contract No.: S216-399A
Weather: Snow	
Site: Brooklyn Southwest Marine Transfer Station	
Work Performed: Soil Sampling	
Areas Sampled: WC 6, 7, 22, 23, 24, 25, 26, 31, 34, 38,	
Samples Collected: see above	

PERSONNEL INFORMATION

Sampling Staff: XY	Quality Control Manager On-site:
Subcontractors On Site & Task: N.A.	
Equipment On Site: Geoprobe	

QUALITY ASSURANCE AND CONTROL CHECKLIST

1. Equipment Decontamination Checklist

- ☒ Sampling tools decontaminated prior arrival on the site and/or apply on a new sample location[1]
- ☒ Drilling rigs and/or hand auger decontaminated prior arrival on the site and/or apply on a new sample location[1]
- ☒ PID meter calibrated prior to use

2. Sample Collection Quality Assurance Checklist

- ☒ Enough soil was recovered from the sampling tools to make up composite samples
- ☒ The location of discrete sample to be analyzed for VOCs was bias to the highest PID meter reading recorded and/or the most visual and olfactory contaminated location
- ☒ Disposable gloves were used during sample collection
- ☒ Disposable sampling collectors (e.g., aluminum mixture container and zip log disposable plastic bags) used

☒ Laboratory supplied glassware used
☒ Samples were placed into cooler at 4 degrees Celsius after retrieve from the sampling core

3. Sample Transfer Quality Assurance Checklist

☒ Samples were properly named as the location where that were collected
☒ Chain of Custody Form has been completed and supplied when transfer the cooler to the laboratory courier
☒ Laboratory courier signed off the Chain of Custody From
☒ The cooler was maintain at 4 C

4. Laboratory Quality Control Checklist

☒ Acknowledge of the laboratory director in receipt of the samples

LIST OF ATTACHMENTS (E.G., FIELD NOTES, BORING LOGS, AND SKETCH OF SAMPLING MAP):

Boring logs

PREPARED BY: Xin Yuan [signature] DATED 2/5/15.
(PRINT AND SIGNATURE)

CHECKED BY: Richard Tanwosen [signature] DATED 2/5/15
(PRINT AND SIGNATURE)

Note 1: Equipment decontamination shall follow the following methods as descripted in the ISSAP Section 6.0: using the following methods: 1) remove all adherent material with stiff bristle brush; 2) wash with a laboratory grade glassware detergent or Alconox; 3) Triple rinse with tap water.

Appendix C: Laboratory Analytical Reports

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

NY # 11301

Analysis Report

February 11, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/05/15	9:15
Location Code:	IMPACT	Received by:	SW	02/05/15	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70938
Phoenix ID: BH70938

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 22 1-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/05/15	i	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	2.5	0.50	ug/Kg	02/06/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	2.5	0.50	ug/Kg	02/06/15	JLI	SW8260
1,3-Dichlorobenzene	ND	2.5	0.50	ug/Kg	02/06/15	JLI	SW8260
Naphthalene	ND	2.5	0.67	ug/Kg	02/06/15	JLI	SW8260
n-Butylbenzene	ND	2.5	0.50	ug/Kg	02/06/15	JLI	SW8260
n-Propylbenzene	ND	2.5	0.50	ug/Kg	02/06/15	JLI	SW8260
p-Isopropyltoluene	ND	2.5	0.50	ug/Kg	02/06/15	JLI	SW8260
sec-Butylbenzene	ND	2.5	0.50	ug/Kg	02/06/15	JLI	SW8260
tert-Butylbenzene	ND	2.5	0.50	ug/Kg	02/06/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	98			%	02/06/15	JLI	SW8260
% Bromofluorobenzene	97			%	02/06/15	JLI	SW8260
% Dibromofluoromethane	105			%	02/06/15	JLI	SW8260
% Toluene-d8	89			%	02/06/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	50	50	ug/kg	02/06/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	2.5	0.50	ug/Kg	02/06/15	JLI	SW8260
1,1,1-Trichloroethane	ND	2.5	0.50	ug/Kg	02/06/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	2.5	0.36	ug/Kg	02/06/15	JLI	SW8260
1,1,2-Trichloroethane	ND	2.5	0.25	ug/Kg	02/06/15	JLI	SW8260
1,1-Dichloroethane	ND	2.5	0.50	ug/Kg	02/06/15	JLI	SW8260
1,1-Dichloroethene	ND	2.5	0.55	ug/Kg	02/06/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 22 1-2

Phoenix I.D.: BH70938

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		2.5	0.34	ug/Kg	02/06/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		2.5	0.30	ug/Kg	02/06/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		2.5	0.67	ug/Kg	02/06/15	JLI	SW8260
1,2-Dibromoethane	ND		2.5	0.67	ug/Kg	02/06/15	JLI	SW8260
1,2-Dichlorobenzene	ND		2.5	0.28	ug/Kg	02/06/15	JLI	SW8260
1,2-Dichloroethane	ND		2.5	0.22	ug/Kg	02/06/15	JLI	SW8260
1,2-Dichloropropane	ND		2.5	0.36	ug/Kg	02/06/15	JLI	SW8260
1,3-Dichlorobenzene	ND		2.5	0.37	ug/Kg	02/06/15	JLI	SW8260
1,4-Dichlorobenzene	ND		2.5	0.40	ug/Kg	02/06/15	JLI	SW8260
2-Hexanone	ND		13	1.1	ug/Kg	02/06/15	JLI	SW8260
4-Methyl-2-pentanone	ND		13	0.60	ug/Kg	02/06/15	JLI	SW8260
Acetone	ND		25	2.5	ug/Kg	02/06/15	JLI	SW8260
Acrolein	ND		13	2.0	ug/Kg	02/06/15	JLI	SW8260
Acrylonitrile	ND		5.0	1.4	ug/Kg	02/06/15	JLI	SW8260
Benzene	ND		2.5	0.50	ug/Kg	02/06/15	JLI	SW8260
Bromochloromethane	ND		2.5	0.37	ug/Kg	02/06/15	JLI	SW8260
Bromodichloromethane	ND		2.5	0.31	ug/Kg	02/06/15	JLI	SW8260
Bromoform	ND		2.5	0.35	ug/Kg	02/06/15	JLI	SW8260
Bromomethane	ND		2.5	1.9	ug/Kg	02/06/15	JLI	SW8260
Carbon Disulfide	ND		2.5	0.41	ug/Kg	02/06/15	JLI	SW8260
Carbon tetrachloride	ND		2.5	0.29	ug/Kg	02/06/15	JLI	SW8260
Chlorobenzene	ND		2.5	0.37	ug/Kg	02/06/15	JLI	SW8260
Chloroethane	ND		2.5	0.59	ug/Kg	02/06/15	JLI	SW8260
Chloroform	ND		2.5	0.46	ug/Kg	02/06/15	JLI	SW8260
Chloromethane	ND		2.5	1.3	ug/Kg	02/06/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		2.5	0.55	ug/Kg	02/06/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		2.5	0.27	ug/Kg	02/06/15	JLI	SW8260
Cyclohexane	ND		2.5	2.5	ug/Kg	02/06/15	JLI	SW8260
Dibromochloromethane	ND		2.5	0.28	ug/Kg	02/06/15	JLI	SW8260
Dichlorodifluoromethane	ND		2.5	0.67	ug/Kg	02/06/15	JLI	SW8260
Ethylbenzene	ND		2.5	0.46	ug/Kg	02/06/15	JLI	SW8260
Isopropylbenzene	ND		2.5	0.48	ug/Kg	02/06/15	JLI	SW8260
m&p-Xylene	ND		2.5	0.99	ug/Kg	02/06/15	JLI	SW8260
Methyl ethyl ketone	ND		15	2.2	ug/Kg	02/06/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		5.0	0.69	ug/Kg	02/06/15	JLI	SW8260
Methylacetate	ND		2.5	2.5	ug/Kg	02/06/15	JLI	SW8260
Methylcyclohexane	ND		2.5	2.5	ug/Kg	02/06/15	JLI	SW8260
Methylene chloride	0.55	JS	2.5	0.41	ug/Kg	02/06/15	JLI	SW8260
o-Xylene	ND		2.5	0.96	ug/Kg	02/06/15	JLI	SW8260
Styrene	ND		2.5	0.72	ug/Kg	02/06/15	JLI	SW8260
tert-butyl alcohol	ND		50	50	ug/Kg	02/06/15	JLI	SW8260
Tetrachloroethene	ND		2.5	0.53	ug/Kg	02/06/15	JLI	SW8260
Toluene	ND		2.5	0.40	ug/Kg	02/06/15	JLI	SW8260
Total Xylenes	ND		2.5	2.5	ug/Kg	02/06/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		2.5	0.50	ug/Kg	02/06/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		2.5	0.51	ug/Kg	02/06/15	JLI	SW8260
Trichloroethene	ND		2.5	0.53	ug/Kg	02/06/15	JLI	SW8260
Trichlorofluoromethane	ND		2.5	0.56	ug/Kg	02/06/15	JLI	SW8260
Trichlorotrifluoroethane	ND		2.5	0.39	ug/Kg	02/06/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION

Client ID: WC 22 1-2

Phoenix I.D.: BH70938

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	2.5	0.81	ug/Kg	02/06/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	98			%	02/06/15	JLI	70 - 130 %	
% Bromofluorobenzene	94			%	02/06/15	JLI	70 - 130 %	
% Dibromofluoromethane	106			%	02/06/15	JLI	70 - 130 %	
% Toluene-d8	89			%	02/06/15	JLI	70 - 130 %	
Vinyl Acetate	ND	25	25	ug/Kg	02/06/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

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 11, 2015

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 11, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/05/15	9:15
Location Code:	IMPACT	Received by:	SW	02/05/15	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70938
Phoenix ID: BH70939

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 22 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.32	0.32	0.32	mg/Kg	02/06/15	LK	SW6010	
Aluminum	1240	4.9	0.65	mg/Kg	02/06/15	LK	SW6010	
Arsenic	0.9	0.6	0.65	mg/Kg	02/06/15	LK	SW6010	
Barium	9.86	0.32	0.32	mg/Kg	02/06/15	LK	SW6010	
Beryllium	< 0.26	0.26	0.13	mg/Kg	02/06/15	LK	SW6010	
Calcium	795	4.9	3.0	mg/Kg	02/06/15	LK	SW6010	
Cadmium	< 0.32	0.32	0.13	mg/Kg	02/06/15	LK	SW6010	
Cobalt	1.20	0.32	0.32	mg/Kg	02/06/15	LK	SW6010	
Chromium	4.06	0.32	0.32	mg/Kg	02/06/15	LK	SW6010	
Copper	6.22	0.32	0.32	mg/kg	02/06/15	LK	SW6010	
Iron	2880	4.9	3.2	mg/Kg	02/06/15	LK	SW6010	B
Mercury	0.04	0.03	0.02	mg/Kg	02/06/15	RS	SW-7471	
Potassium	194	4.9	2.5	mg/Kg	02/06/15	LK	SW6010	
Magnesium	767	4.9	3.2	mg/Kg	02/06/15	LK	SW6010	
Manganese	51.9	0.32	0.32	mg/Kg	02/06/15	LK	SW6010	
Sodium	150	4.9	2.8	mg/Kg	02/06/15	LK	SW6010	
Nickel	4.35	0.32	0.32	mg/Kg	02/06/15	LK	SW6010	B
Lead	18.7	0.32	0.32	mg/Kg	02/06/15	LK	SW6010	
Antimony	< 3.2	3.2	1.6	mg/Kg	02/06/15	LK	SW6010	
Selenium	< 1.3	1.3	1.1	mg/Kg	02/06/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/06/15	EK	SW6010	
TCLP Barium	0.38	0.10	0.010	mg/L	02/06/15	EK	SW6010	B
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/06/15	EK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/06/15	RS	SW7470	
TCLP Lead	0.12	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/06/15	EK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 22 COMP

Phoenix I.D.: BH70939

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 2.9	2.9	1.3	mg/Kg	02/06/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/06/15	I/I	SW3005	
Trivalent Chromium	4.06	0.50		mg/kg	02/10/15	CL	Calculation	
Vanadium	4.94	0.32	0.32	mg/Kg	02/06/15	LK	SW6010	
Zinc	22.9	0.32	0.32	mg/Kg	02/06/15	LK	SW6010	
Percent Solid	94			%	02/05/15	i	SW846	
Corrosivity	Negative			Pos/Neg	02/05/15	DH/KDB	SW846	1
Flash Point	>200	200		degree F	02/06/15	Y	SW1010	
Chromium, Hexavalent	< 0.43	0.43	0.43	mg/Kg	02/10/15 10:46	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/06/15	Y	SW846	1
pH - Soil	8.85	0.10		pH Units	02/05/15 22:00	DH/KDB	4500-H B/9045	1
Reactivity Cyanide	< 5.3	5.3	0.027	mg/Kg	02/06/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/06/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/06/15	EG	SW 846-7.3	1
Redox Potential	180	1.0		mV	02/05/15	DH/KDB	SM2580B	1
Total Cyanide	< 0.48	0.48	0.24	mg/Kg	02/05/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				02/05/15	JC/H	SW3545	
Soil Extraction for Pesticide	Completed				02/05/15	JC	SW3545	
Soil Extraction for SVOA	Completed				02/05/15	JJ/VH	SW3545	
Mercury Digestion	Completed				02/06/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/05/15	P/D	SW8151	
TCLP Digestion Mercury	Completed				02/06/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/06/15	F/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				02/05/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				02/05/15	I	1311	
TCLP Pesticides Extraction	Completed				02/06/15	L	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/06/15	L	SW3510	
TCLP Extraction Volatiles	Completed				02/05/15	Y	EPA 1311	
Total Metals Digest	Completed				02/05/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				02/05/15	CC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	44	44	ug/Kg	02/07/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	44	44	ug/Kg	02/07/15	BB	SW8151	
2,4-D	ND	44	44	ug/Kg	02/07/15	BB	SW8151	
2,4-DB	ND	440	440	ug/Kg	02/07/15	BB	SW8151	
Dalapon	ND	44	44	ug/Kg	02/07/15	BB	SW8151	
Dicamba	ND	89	89	ug/Kg	02/07/15	BB	SW8151	
Dichloroprop	ND	44	44	ug/Kg	02/07/15	BB	SW8151	
Dinoseb	ND	89	89	ug/Kg	02/07/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	62			%	02/07/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	70	70	ug/Kg	02/06/15	AW	SW 8082	
PCB-1221	ND	70	70	ug/Kg	02/06/15	AW	SW 8082	
PCB-1232	ND	70	70	ug/Kg	02/06/15	AW	SW 8082	
PCB-1242	ND	70	70	ug/Kg	02/06/15	AW	SW 8082	
PCB-1248	ND	70	70	ug/Kg	02/06/15	AW	SW 8082	
PCB-1254	ND	70	70	ug/Kg	02/06/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 22 COMP

Phoenix I.D.: BH70939

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	70	70	ug/Kg	02/06/15	AW	SW 8082
PCB-1262	ND	70	70	ug/Kg	02/06/15	AW	SW 8082
PCB-1268	ND	70	70	ug/Kg	02/06/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	87			%	02/06/15	AW	30 - 150 %
% TCMX	86			%	02/06/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.1	2.1	ug/Kg	02/06/15	CE	SW8081
4,4' -DDE	ND	2.1	2.1	ug/Kg	02/06/15	CE	SW8081
4,4' -DDT	ND	2.1	2.1	ug/Kg	02/06/15	CE	SW8081
a-BHC	ND	7.0	7.0	ug/Kg	02/06/15	CE	SW8081
a-Chlordane	ND	3.5	3.5	ug/Kg	02/06/15	CE	SW8081
Aldrin	ND	3.5	3.5	ug/Kg	02/06/15	CE	SW8081
b-BHC	ND	7.0	7.0	ug/Kg	02/06/15	CE	SW8081
Chlordane	ND	35	35	ug/Kg	02/06/15	CE	SW8081
d-BHC	ND	7.0	7.0	ug/Kg	02/06/15	CE	SW8081
Dieldrin	ND	3.5	3.5	ug/Kg	02/06/15	CE	SW8081
Endosulfan I	ND	7.0	7.0	ug/Kg	02/06/15	CE	SW8081
Endosulfan II	ND	7.0	7.0	ug/Kg	02/06/15	CE	SW8081
Endosulfan sulfate	ND	7.0	7.0	ug/Kg	02/06/15	CE	SW8081
Endrin	ND	7.0	7.0	ug/Kg	02/06/15	CE	SW8081
Endrin aldehyde	ND	7.0	7.0	ug/Kg	02/06/15	CE	SW8081
Endrin ketone	ND	7.0	7.0	ug/Kg	02/06/15	CE	SW8081
g-BHC	ND	1.4	1.4	ug/Kg	02/06/15	CE	SW8081
g-Chlordane	ND	3.5	3.5	ug/Kg	02/06/15	CE	SW8081
Heptachlor	ND	7.0	7.0	ug/Kg	02/06/15	CE	SW8081
Heptachlor epoxide	ND	7.0	7.0	ug/Kg	02/06/15	CE	SW8081
Methoxychlor	ND	35	35	ug/Kg	02/06/15	CE	SW8081
Toxaphene	ND	140	140	ug/Kg	02/06/15	CE	SW8081
QA/QC Surrogates							
% DCBP	82			%	02/06/15	CE	30 - 150 %
% TCMX	76			%	02/06/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
QA/QC Surrogates							
% DCAA	81			%	02/10/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/08/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/08/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/08/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/08/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/08/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/08/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/08/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/08/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/08/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/08/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/08/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/08/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/08/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	83			%	02/08/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	78			%	02/08/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	53	53	mg/Kg	02/07/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	76			%	02/07/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/06/15	MH	SW8260
Benzene	ND	25	25	ug/L	02/06/15	MH	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/06/15	MH	SW8260
Chlorobenzene	ND	25	25	ug/L	02/06/15	MH	SW8260
Chloroform	ND	25	25	ug/L	02/06/15	MH	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/06/15	MH	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
Trichloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
Vinyl chloride	ND	25	25	ug/L	02/06/15	MH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101			%	02/06/15	MH	70 - 130 %
% Bromofluorobenzene	90			%	02/06/15	MH	70 - 130 %
% Dibromofluoromethane	95			%	02/06/15	MH	70 - 130 %
% Toluene-d8	96			%	02/06/15	MH	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	250	110	ug/Kg	02/06/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	250	120	ug/Kg	02/06/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	350	350	ug/Kg	02/06/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	250	160	ug/Kg	02/06/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	02/06/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	02/06/15	DD	SW 8270
2,4-Dichlorophenol	ND	140	120	ug/Kg	02/06/15	DD	SW 8270
2,4-Dimethylphenol	ND	250	87	ug/Kg	02/06/15	DD	SW 8270
2,4-Dinitrophenol	ND	250	250	ug/Kg	02/06/15	DD	SW 8270
2,4-Dinitrotoluene	ND	140	140	ug/Kg	02/06/15	DD	SW 8270
2,6-Dinitrotoluene	ND	140	110	ug/Kg	02/06/15	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	02/06/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 22 COMP

Phoenix I.D.: BH70939

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND	250	100	ug/Kg	02/06/15	DD	SW 8270	
2-Methylnaphthalene	ND	250	100	ug/Kg	02/06/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	02/06/15	DD	SW 8270	
2-Nitroaniline	ND	1800	360	ug/Kg	02/06/15	DD	SW 8270	
2-Nitrophenol	ND	250	220	ug/Kg	02/06/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	02/06/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	140	170	ug/Kg	02/06/15	DD	SW 8270	
3-Nitroaniline	ND	1800	770	ug/Kg	02/06/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	250	380	ug/Kg	02/06/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	02/06/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND	250	120	ug/Kg	02/06/15	DD	SW 8270	
4-Chloroaniline	ND	700	160	ug/Kg	02/06/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	02/06/15	DD	SW 8270	
4-Nitroaniline	ND	1800	120	ug/Kg	02/06/15	DD	SW 8270	
4-Nitrophenol	ND	1800	160	ug/Kg	02/06/15	DD	SW 8270	
Acenaphthene	ND	250	110	ug/Kg	02/06/15	DD	SW 8270	
Acenaphthylene	ND	140	99	ug/Kg	02/06/15	DD	SW 8270	
Acetophenone	ND	250	110	ug/Kg	02/06/15	DD	SW 8270	
Anthracene	ND	250	120	ug/Kg	02/06/15	DD	SW 8270	
Atrazine	ND	140	160	ug/Kg	02/06/15	DD	SW 8270	
Benz(a)anthracene	ND	250	120	ug/Kg	02/06/15	DD	SW 8270	
Benzaldehyde	ND	250	100	ug/Kg	02/06/15	DD	SW 8270	
Benzidine	ND	530	530	ug/Kg	02/06/15	DD	SW 8270	
Benzo(a)pyrene	ND	140	110	ug/Kg	02/06/15	DD	SW 8270	
Benzo(b)fluoranthene	ND	250	120	ug/Kg	02/06/15	DD	SW 8270	
Benzo(ghi)perylene	ND	250	110	ug/Kg	02/06/15	DD	SW 8270	
Benzo(k)fluoranthene	ND	250	120	ug/Kg	02/06/15	DD	SW 8270	
Benzyl Alcohol	ND	350	350	ug/Kg	02/06/15	DD	SW 8270	
Benzyl butyl phthalate	ND	250	91	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	250	97	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	140	95	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	250	98	ug/Kg	02/06/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	02/06/15	DD	SW 8270	
Caprolactam	ND	250	630	ug/Kg	02/06/15	DD	SW 8270	
Carbazole	ND	1800	270	ug/Kg	02/06/15	DD	SW 8270	
Chrysene	ND	250	120	ug/Kg	02/06/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND	140	110	ug/Kg	02/06/15	DD	SW 8270	
Dibenzofuran	ND	250	100	ug/Kg	02/06/15	DD	SW 8270	
Diethyl phthalate	ND	250	110	ug/Kg	02/06/15	DD	SW 8270	
Dimethylphthalate	ND	250	110	ug/Kg	02/06/15	DD	SW 8270	
Di-n-butylphthalate	ND	250	94	ug/Kg	02/06/15	DD	SW 8270	
Di-n-octylphthalate	ND	250	91	ug/Kg	02/06/15	DD	SW 8270	
Fluoranthene	ND	250	110	ug/Kg	02/06/15	DD	SW 8270	
Fluorene	ND	250	120	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorobenzene	ND	140	100	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorobutadiene	ND	250	130	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	02/06/15	DD	SW 8270	
Hexachloroethane	ND	140	110	ug/Kg	02/06/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	02/06/15	DD	SW 8270	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND	140	99	ug/Kg	02/06/15	DD	SW 8270	
Naphthalene	ND	250	100	ug/Kg	02/06/15	DD	SW 8270	
Nitrobenzene	ND	140	120	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodimethylamine	ND	250	99	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	140	110	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND	140	140	ug/Kg	02/06/15	DD	SW 8270	
Pentachlorophenol	ND	250	130	ug/Kg	02/06/15	DD	SW 8270	
Phenanthrene	ND	140	100	ug/Kg	02/06/15	DD	SW 8270	
Phenol	ND	250	110	ug/Kg	02/06/15	DD	SW 8270	
Pyrene	ND	250	120	ug/Kg	02/06/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	73			%	02/06/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	87			%	02/06/15	DD	30 - 130 %	
% 2-Fluorophenol	77			%	02/06/15	DD	30 - 130 %	
% Nitrobenzene-d5	68			%	02/06/15	DD	30 - 130 %	
% Phenol-d5	77			%	02/06/15	DD	30 - 130 %	
% Terphenyl-d14	86			%	02/06/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral								
1,4-Dichlorobenzene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND	83	83	ug/L	02/08/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND	83	83	ug/L	02/08/15	DD	SW 8270	
2,4-Dinitrotoluene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	83	83	ug/L	02/08/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Hexachlorobenzene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Hexachlorobutadiene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Hexachloroethane	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Nitrobenzene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Pentachlorophenol	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Pyridine	ND	83	83	ug/L	02/08/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	92			%	02/08/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	69			%	02/08/15	DD	30 - 130 %	
% 2-Fluorophenol	51			%	02/08/15	DD	15 - 110 %	
% Nitrobenzene-d5	68			%	02/08/15	DD	30 - 130 %	
% Phenol-d5	45			%	02/08/15	DD	15 - 110 %	
% Terphenyl-d14	88			%	02/08/15	DD	30 - 130 %	
Aniline	ND	330		ug/Kg	02/06/15	DD	SW8270	
Benzoic Acid	ND	330		ug/Kg	02/06/15	DD	SW8270	1
Parathion	ND	350	140	ug/Kg	02/06/15	DD	SW8270	1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

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

Comments:

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

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-tir

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This metho no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
February 11, 2015

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 11, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/05/15	9:35
Location Code:	IMPACT	Received by:	SW	02/05/15	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70938
Phoenix ID: BH70940

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 26 2-3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/05/15	i	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	260	52	ug/Kg	02/05/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	260	52	ug/Kg	02/05/15	JLI	SW8260
1,3-Dichlorobenzene	ND	260	52	ug/Kg	02/05/15	JLI	SW8260
Naphthalene	ND	260	70	ug/Kg	02/05/15	JLI	SW8260
n-Butylbenzene	ND	260	52	ug/Kg	02/05/15	JLI	SW8260
n-Propylbenzene	ND	260	52	ug/Kg	02/05/15	JLI	SW8260
p-Isopropyltoluene	ND	260	52	ug/Kg	02/05/15	JLI	SW8260
sec-Butylbenzene	ND	260	52	ug/Kg	02/05/15	JLI	SW8260
tert-Butylbenzene	ND	260	52	ug/Kg	02/05/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	95			%	02/05/15	JLI	SW8260
% Bromofluorobenzene	68			%	02/07/15	JLI	SW8260
% Dibromofluoromethane	109			%	02/07/15	JLI	SW8260
% Toluene-d8	83			%	02/07/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	68	68	ug/kg	02/07/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	3.4	0.68	ug/Kg	02/07/15	JLI	SW8260
1,1,1-Trichloroethane	ND	3.4	0.68	ug/Kg	02/07/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	3.4	0.48	ug/Kg	02/07/15	JLI	SW8260
1,1,2-Trichloroethane	ND	3.4	0.33	ug/Kg	02/07/15	JLI	SW8260
1,1-Dichloroethane	ND	3.4	0.67	ug/Kg	02/07/15	JLI	SW8260
1,1-Dichloroethene	ND	3.4	0.74	ug/Kg	02/07/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 26 2-3

Phoenix I.D.: BH70940

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		260	35	ug/Kg	02/05/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		260	31	ug/Kg	02/05/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		80	70	ug/Kg	02/05/15	JLI	SW8260
1,2-Dibromoethane	ND		3.4	0.90	ug/Kg	02/07/15	JLI	SW8260
1,2-Dichlorobenzene	ND		260	29	ug/Kg	02/05/15	JLI	SW8260
1,2-Dichloroethane	ND		3.4	0.30	ug/Kg	02/07/15	JLI	SW8260
1,2-Dichloropropane	ND		3.4	0.48	ug/Kg	02/07/15	JLI	SW8260
1,3-Dichlorobenzene	ND		260	39	ug/Kg	02/05/15	JLI	SW8260
1,4-Dichlorobenzene	ND		260	41	ug/Kg	02/05/15	JLI	SW8260
2-Hexanone	ND		17	1.5	ug/Kg	02/07/15	JLI	SW8260
4-Methyl-2-pentanone	ND		17	0.81	ug/Kg	02/07/15	JLI	SW8260
Acetone	ND		34	3.4	ug/Kg	02/07/15	JLI	SW8260
Acrolein	ND		17	2.7	ug/Kg	02/07/15	JLI	SW8260
Acrylonitrile	ND		6.8	1.9	ug/Kg	02/07/15	JLI	SW8260
Benzene	ND		3.4	0.67	ug/Kg	02/07/15	JLI	SW8260
Bromochloromethane	ND		3.4	0.50	ug/Kg	02/07/15	JLI	SW8260
Bromodichloromethane	ND		3.4	0.42	ug/Kg	02/07/15	JLI	SW8260
Bromoform	ND		3.4	0.48	ug/Kg	02/07/15	JLI	SW8260
Bromomethane	ND		3.4	2.6	ug/Kg	02/07/15	JLI	SW8260
Carbon Disulfide	ND		3.4	0.55	ug/Kg	02/07/15	JLI	SW8260
Carbon tetrachloride	ND		3.4	0.39	ug/Kg	02/07/15	JLI	SW8260
Chlorobenzene	ND		3.4	0.50	ug/Kg	02/07/15	JLI	SW8260
Chloroethane	ND		3.4	0.80	ug/Kg	02/07/15	JLI	SW8260
Chloroform	ND		3.4	0.62	ug/Kg	02/07/15	JLI	SW8260
Chloromethane	ND		3.4	1.8	ug/Kg	02/07/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		3.4	0.74	ug/Kg	02/07/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		3.4	0.37	ug/Kg	02/07/15	JLI	SW8260
Cyclohexane	ND		3.4	3.4	ug/Kg	02/07/15	JLI	SW8260
Dibromochloromethane	ND		3.4	0.38	ug/Kg	02/07/15	JLI	SW8260
Dichlorodifluoromethane	ND		3.4	0.90	ug/Kg	02/07/15	JLI	SW8260
Ethylbenzene	ND		3.4	0.62	ug/Kg	02/07/15	JLI	SW8260
Isopropylbenzene	ND		260	50	ug/Kg	02/05/15	JLI	SW8260
m&p-Xylene	ND		3.4	1.3	ug/Kg	02/07/15	JLI	SW8260
Methyl ethyl ketone	ND		20	3.0	ug/Kg	02/07/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		6.8	0.94	ug/Kg	02/07/15	JLI	SW8260
Methylacetate	ND		3.4	3.4	ug/Kg	02/07/15	JLI	SW8260
Methylcyclohexane	ND		3.4	3.4	ug/Kg	02/07/15	JLI	SW8260
Methylene chloride	0.73	JS	3.4	0.56	ug/Kg	02/07/15	JLI	SW8260
o-Xylene	ND		3.4	1.3	ug/Kg	02/07/15	JLI	SW8260
Styrene	ND		3.4	0.98	ug/Kg	02/07/15	JLI	SW8260
tert-butyl alcohol	ND		68	68	ug/Kg	02/07/15	JLI	SW8260
Tetrachloroethene	ND		3.4	0.71	ug/Kg	02/07/15	JLI	SW8260
Toluene	0.56	J	3.4	0.54	ug/Kg	02/07/15	JLI	SW8260
Total Xylenes	ND		3.4	3.4	ug/Kg	02/07/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		3.4	0.68	ug/Kg	02/07/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		3.4	0.69	ug/Kg	02/07/15	JLI	SW8260
Trichloroethene	ND		3.4	0.72	ug/Kg	02/07/15	JLI	SW8260
Trichlorofluoromethane	ND		3.4	0.75	ug/Kg	02/07/15	JLI	SW8260
Trichlorotrifluoroethane	ND		3.4	0.53	ug/Kg	02/07/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 26 2-3

Phoenix I.D.: BH70940

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	3.4	1.1	ug/Kg	02/07/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	96			%	02/05/15	JLI	70 - 130 %	
% Bromofluorobenzene	93			%	02/05/15	JLI	70 - 130 %	
% Dibromofluoromethane	109			%	02/07/15	JLI	70 - 130 %	
% Toluene-d8	83			%	02/07/15	JLI	70 - 130 %	
Vinyl Acetate	ND	34	34	ug/Kg	02/07/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the metha
preserved high level analysis which did not exhibit this interference.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
February 11, 2015

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 11, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/05/15	9:35
Location Code:	IMPACT	Received by:	SW	02/05/15	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70938
Phoenix ID: BH70941

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 26 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.40	0.40	0.40	mg/Kg	02/06/15	LK	SW6010	
Aluminum	3260	60	8.0	mg/Kg	02/06/15	LK	SW6010	
Arsenic	5.0	0.8	0.80	mg/Kg	02/06/15	LK	SW6010	
Barium	70.1	0.40	0.40	mg/Kg	02/06/15	LK	SW6010	
Beryllium	0.39	0.32	0.16	mg/Kg	02/06/15	LK	SW6010	
Calcium	3370	6.0	3.7	mg/Kg	02/06/15	LK	SW6010	
Cadmium	< 0.40	0.40	0.16	mg/Kg	02/06/15	LK	SW6010	
Cobalt	3.84	0.40	0.40	mg/Kg	02/06/15	LK	SW6010	
Chromium	10.7	0.40	0.40	mg/Kg	02/06/15	LK	SW6010	
Copper	16.6	0.40	0.40	mg/kg	02/06/15	LK	SW6010	
Iron	6440	6.0	4.0	mg/Kg	02/06/15	LK	SW6010	B
Mercury	0.09	0.03	0.02	mg/Kg	02/06/15	RS	SW-7471	
Potassium	866	6.0	3.1	mg/Kg	02/06/15	LK	SW6010	
Magnesium	1780	6.0	4.0	mg/Kg	02/06/15	LK	SW6010	
Manganese	103	0.40	0.40	mg/Kg	02/06/15	LK	SW6010	
Sodium	183	6.0	3.5	mg/Kg	02/06/15	LK	SW6010	
Nickel	12.2	0.40	0.40	mg/Kg	02/06/15	LK	SW6010	B
Lead	61.0	0.40	0.40	mg/Kg	02/06/15	LK	SW6010	
Antimony	< 4.0	4.0	2.0	mg/Kg	02/06/15	LK	SW6010	
Selenium	< 1.6	1.6	1.4	mg/Kg	02/06/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/06/15	EK	SW6010	
TCLP Barium	0.92	0.10	0.010	mg/L	02/06/15	EK	SW6010	B
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/06/15	EK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/06/15	RS	SW7470	
TCLP Lead	0.29	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/06/15	EK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 26 COMP

Phoenix I.D.: BH70941

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.6	3.6	1.6	mg/Kg	02/06/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/06/15	I/I	SW3005	
Trivalent Chromium	10.7	0.50		mg/kg	02/10/15	CL	Calculation	
Vanadium	9.98	0.40	0.40	mg/Kg	02/06/15	LK	SW6010	
Zinc	97.5	0.40	0.40	mg/Kg	02/06/15	LK	SW6010	
Percent Solid	89			%	02/05/15	i	SW846	
Corrosivity	Negative			Pos/Neg	02/05/15	DH/KDB	SW846	1
Flash Point	>200	200		degree F	02/06/15	Y	SW1010	
Chromium, Hexavalent	< 0.45	0.45	0.45	mg/Kg	02/10/15 10:46	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/06/15	Y	SW846	1
pH - Soil	9.36	0.10		pH Units	02/05/15 22:00	DH/KDB	4500-H B/9045	1
Reactivity Cyanide	< 5.5	5.5	0.027	mg/Kg	02/06/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/06/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/06/15	EG	SW 846-7.3	1
Redox Potential	150	1.0		mV	02/05/15	DH/KDB	SM2580B	1
Total Cyanide	< 0.56	0.56	0.28	mg/Kg	02/05/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				02/05/15	JC/H	SW3545	
Soil Extraction for Pesticide	Completed				02/05/15	JC	SW3545	
Soil Extraction for SVOA	Completed				02/05/15	JJ/VH	SW3545	
Mercury Digestion	Completed				02/06/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/05/15	P/D	SW8151	
TCLP Digestion Mercury	Completed				02/06/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/06/15	F/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				02/05/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				02/05/15	I	1311	
TCLP Pesticides Extraction	Completed				02/06/15	L	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/06/15	L	SW3510	
TCLP Extraction Volatiles	Completed				02/05/15	Y	EPA 1311	
Total Metals Digest	Completed				02/05/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				02/05/15	CC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	46	46	ug/Kg	02/07/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	46	46	ug/Kg	02/07/15	BB	SW8151	
2,4-D	ND	46	46	ug/Kg	02/07/15	BB	SW8151	
2,4-DB	ND	460	460	ug/Kg	02/07/15	BB	SW8151	
Dalapon	ND	46	46	ug/Kg	02/07/15	BB	SW8151	
Dicamba	ND	92	92	ug/Kg	02/07/15	BB	SW8151	
Dichloroprop	ND	46	46	ug/Kg	02/07/15	BB	SW8151	
Dinoseb	ND	92	92	ug/Kg	02/07/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	66			%	02/07/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	75	75	ug/Kg	02/06/15	AW	SW 8082	
PCB-1221	ND	75	75	ug/Kg	02/06/15	AW	SW 8082	
PCB-1232	ND	75	75	ug/Kg	02/06/15	AW	SW 8082	
PCB-1242	ND	75	75	ug/Kg	02/06/15	AW	SW 8082	
PCB-1248	ND	75	75	ug/Kg	02/06/15	AW	SW 8082	
PCB-1254	ND	75	75	ug/Kg	02/06/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 26 COMP

Phoenix I.D.: BH70941

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	75	75	ug/Kg	02/06/15	AW	SW 8082
PCB-1262	ND	75	75	ug/Kg	02/06/15	AW	SW 8082
PCB-1268	ND	75	75	ug/Kg	02/06/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	83			%	02/06/15	AW	30 - 150 %
% TCMX	90			%	02/06/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.2	2.2	ug/Kg	02/07/15	CE	SW8081
4,4' -DDE	ND	2.2	2.2	ug/Kg	02/07/15	CE	SW8081
4,4' -DDT	ND	2.2	2.2	ug/Kg	02/07/15	CE	SW8081
a-BHC	ND	7.5	7.5	ug/Kg	02/07/15	CE	SW8081
a-Chlordane	ND	3.7	3.7	ug/Kg	02/07/15	CE	SW8081
Aldrin	ND	3.7	3.7	ug/Kg	02/07/15	CE	SW8081
b-BHC	ND	7.5	7.5	ug/Kg	02/07/15	CE	SW8081
Chlordane	ND	37	37	ug/Kg	02/07/15	CE	SW8081
d-BHC	ND	7.5	7.5	ug/Kg	02/07/15	CE	SW8081
Dieldrin	ND	3.7	3.7	ug/Kg	02/07/15	CE	SW8081
Endosulfan I	ND	7.5	7.5	ug/Kg	02/07/15	CE	SW8081
Endosulfan II	ND	7.5	7.5	ug/Kg	02/07/15	CE	SW8081
Endosulfan sulfate	ND	7.5	7.5	ug/Kg	02/07/15	CE	SW8081
Endrin	ND	7.5	7.5	ug/Kg	02/07/15	CE	SW8081
Endrin aldehyde	ND	7.5	7.5	ug/Kg	02/07/15	CE	SW8081
Endrin ketone	ND	7.5	7.5	ug/Kg	02/07/15	CE	SW8081
g-BHC	ND	1.5	1.5	ug/Kg	02/07/15	CE	SW8081
g-Chlordane	ND	3.7	3.7	ug/Kg	02/07/15	CE	SW8081
Heptachlor	ND	7.5	7.5	ug/Kg	02/07/15	CE	SW8081
Heptachlor epoxide	ND	7.5	7.5	ug/Kg	02/07/15	CE	SW8081
Methoxychlor	ND	37	37	ug/Kg	02/07/15	CE	SW8081
Toxaphene	ND	150	150	ug/Kg	02/07/15	CE	SW8081
QA/QC Surrogates							
% DCBP	42			%	02/07/15	CE	30 - 150 %
% TCMX	65			%	02/07/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
QA/QC Surrogates							
% DCAA	66			%	02/10/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/08/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/08/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/08/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/08/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/08/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/08/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/08/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/08/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/08/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/08/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/08/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/08/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/08/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	79			%	02/08/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	77			%	02/08/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	56	56	mg/Kg	02/07/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	93			%	02/07/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/06/15	MH	SW8260
Benzene	ND	25	25	ug/L	02/06/15	MH	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/06/15	MH	SW8260
Chlorobenzene	ND	25	25	ug/L	02/06/15	MH	SW8260
Chloroform	ND	25	25	ug/L	02/06/15	MH	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/06/15	MH	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
Trichloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
Vinyl chloride	ND	25	25	ug/L	02/06/15	MH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101			%	02/06/15	MH	70 - 130 %
% Bromofluorobenzene	92			%	02/06/15	MH	70 - 130 %
% Dibromofluoromethane	96			%	02/06/15	MH	70 - 130 %
% Toluene-d8	97			%	02/06/15	MH	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	260	110	ug/Kg	02/06/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	02/06/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	370	370	ug/Kg	02/06/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	260	170	ug/Kg	02/06/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	02/06/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	02/06/15	DD	SW 8270
2,4-Dichlorophenol	ND	150	130	ug/Kg	02/06/15	DD	SW 8270
2,4-Dimethylphenol	ND	260	91	ug/Kg	02/06/15	DD	SW 8270
2,4-Dinitrophenol	ND	260	260	ug/Kg	02/06/15	DD	SW 8270
2,4-Dinitrotoluene	ND	150	140	ug/Kg	02/06/15	DD	SW 8270
2,6-Dinitrotoluene	ND	150	120	ug/Kg	02/06/15	DD	SW 8270
2-Chloronaphthalene	ND	260	100	ug/Kg	02/06/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 26 COMP

Phoenix I.D.: BH70941

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		260	100	ug/Kg	02/06/15	DD	SW 8270	
2-Methylnaphthalene	ND		260	110	ug/Kg	02/06/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		260	170	ug/Kg	02/06/15	DD	SW 8270	
2-Nitroaniline	ND		1800	370	ug/Kg	02/06/15	DD	SW 8270	
2-Nitrophenol	ND		260	230	ug/Kg	02/06/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		260	140	ug/Kg	02/06/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		150	170	ug/Kg	02/06/15	DD	SW 8270	
3-Nitroaniline	ND		1800	800	ug/Kg	02/06/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		260	400	ug/Kg	02/06/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		260	110	ug/Kg	02/06/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		260	130	ug/Kg	02/06/15	DD	SW 8270	
4-Chloroaniline	ND		740	170	ug/Kg	02/06/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		260	120	ug/Kg	02/06/15	DD	SW 8270	
4-Nitroaniline	ND		1800	120	ug/Kg	02/06/15	DD	SW 8270	
4-Nitrophenol	ND		1800	170	ug/Kg	02/06/15	DD	SW 8270	
Acenaphthene	ND		260	110	ug/Kg	02/06/15	DD	SW 8270	
Acenaphthylene	ND		150	100	ug/Kg	02/06/15	DD	SW 8270	
Acetophenone	ND		260	110	ug/Kg	02/06/15	DD	SW 8270	
Anthracene	ND		260	120	ug/Kg	02/06/15	DD	SW 8270	
Atrazine	ND		150	160	ug/Kg	02/06/15	DD	SW 8270	
Benz(a)anthracene	280		260	120	ug/Kg	02/06/15	DD	SW 8270	
Benzaldehyde	ND		260	110	ug/Kg	02/06/15	DD	SW 8270	
Benzidine	ND		550	550	ug/Kg	02/06/15	DD	SW 8270	
Benzo(a)pyrene	280		150	120	ug/Kg	02/06/15	DD	SW 8270	
Benzo(b)fluoranthene	490		260	130	ug/Kg	02/06/15	DD	SW 8270	
Benzo(ghi)perylene	ND		260	120	ug/Kg	02/06/15	DD	SW 8270	
Benzo(k)fluoranthene	180	J	260	120	ug/Kg	02/06/15	DD	SW 8270	
Benzyl Alcohol	ND		370	370	ug/Kg	02/06/15	DD	SW 8270	
Benzyl butyl phthalate	ND		260	95	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		260	100	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		150	99	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		260	100	ug/Kg	02/06/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		260	110	ug/Kg	02/06/15	DD	SW 8270	
Caprolactam	ND		260	660	ug/Kg	02/06/15	DD	SW 8270	
Carbazole	ND		1800	280	ug/Kg	02/06/15	DD	SW 8270	
Chrysene	350		260	120	ug/Kg	02/06/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		150	120	ug/Kg	02/06/15	DD	SW 8270	
Dibenzofuran	ND		260	110	ug/Kg	02/06/15	DD	SW 8270	
Diethyl phthalate	ND		260	120	ug/Kg	02/06/15	DD	SW 8270	
Dimethylphthalate	ND		260	110	ug/Kg	02/06/15	DD	SW 8270	
Di-n-butylphthalate	ND		260	98	ug/Kg	02/06/15	DD	SW 8270	
Di-n-octylphthalate	ND		260	95	ug/Kg	02/06/15	DD	SW 8270	
Fluoranthene	620		260	120	ug/Kg	02/06/15	DD	SW 8270	
Fluorene	ND		260	120	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorobenzene	ND		150	110	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorobutadiene	ND		260	130	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		260	110	ug/Kg	02/06/15	DD	SW 8270	
Hexachloroethane	ND		150	110	ug/Kg	02/06/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND		260	120	ug/Kg	02/06/15	DD	SW 8270	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 26 COMP

Phoenix I.D.: BH70941

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND	150	100	ug/Kg	02/06/15	DD	SW 8270	
Naphthalene	ND	260	110	ug/Kg	02/06/15	DD	SW 8270	
Nitrobenzene	ND	150	130	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodimethylamine	ND	260	100	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	150	120	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND	150	140	ug/Kg	02/06/15	DD	SW 8270	
Pentachlorophenol	ND	260	140	ug/Kg	02/06/15	DD	SW 8270	
Phenanthrene	460	150	110	ug/Kg	02/06/15	DD	SW 8270	
Phenol	ND	260	120	ug/Kg	02/06/15	DD	SW 8270	
Pyrene	520	260	130	ug/Kg	02/06/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	77			%	02/06/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	92			%	02/06/15	DD	30 - 130 %	
% 2-Fluorophenol	88			%	02/06/15	DD	30 - 130 %	
% Nitrobenzene-d5	80			%	02/06/15	DD	30 - 130 %	
% Phenol-d5	87			%	02/06/15	DD	30 - 130 %	
% Terphenyl-d14	101			%	02/06/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral								
1,4-Dichlorobenzene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND	83	83	ug/L	02/08/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND	83	83	ug/L	02/08/15	DD	SW 8270	
2,4-Dinitrotoluene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	83	83	ug/L	02/08/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Hexachlorobenzene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Hexachlorobutadiene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Hexachloroethane	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Nitrobenzene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Pentachlorophenol	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Pyridine	ND	83	83	ug/L	02/08/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	102			%	02/08/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	80			%	02/08/15	DD	30 - 130 %	
% 2-Fluorophenol	61			%	02/08/15	DD	15 - 110 %	
% Nitrobenzene-d5	85			%	02/08/15	DD	30 - 130 %	
% Phenol-d5	53			%	02/08/15	DD	15 - 110 %	
% Terphenyl-d14	104			%	02/08/15	DD	30 - 130 %	
Aniline	ND	330		ug/Kg	02/06/15	DD	SW8270	
Benzoic Acid	ND	330		ug/Kg	02/06/15	DD	SW8270	1
Parathion	ND	370	150	ug/Kg	02/06/15	DD	SW8270	1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

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

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-tir

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This metho no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
February 11, 2015

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 11, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/05/15	10:00
Location Code:	IMPACT	Received by:	SW	02/05/15	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70938
Phoenix ID: BH70942

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 34 2-3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/05/15	i	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	3.4	0.67	ug/Kg	02/07/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	3.4	0.67	ug/Kg	02/07/15	JLI	SW8260
1,3-Dichlorobenzene	ND	3.4	0.67	ug/Kg	02/07/15	JLI	SW8260
Naphthalene	ND	3.4	0.90	ug/Kg	02/07/15	JLI	SW8260
n-Butylbenzene	ND	3.4	0.67	ug/Kg	02/07/15	JLI	SW8260
n-Propylbenzene	ND	3.4	0.67	ug/Kg	02/07/15	JLI	SW8260
p-Isopropyltoluene	ND	3.4	0.67	ug/Kg	02/07/15	JLI	SW8260
sec-Butylbenzene	ND	3.4	0.67	ug/Kg	02/07/15	JLI	SW8260
tert-Butylbenzene	ND	3.4	0.67	ug/Kg	02/07/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	95			%	02/07/15	JLI	SW8260
% Bromofluorobenzene	89			%	02/07/15	JLI	SW8260
% Dibromofluoromethane	40			%	02/07/15	JLI	SW8260
% Toluene-d8	87			%	02/07/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	67	67	ug/kg	02/07/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	3.4	0.67	ug/Kg	02/07/15	JLI	SW8260
1,1,1-Trichloroethane	ND	3.4	0.67	ug/Kg	02/07/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	3.4	0.48	ug/Kg	02/07/15	JLI	SW8260
1,1,2-Trichloroethane	ND	3.4	0.33	ug/Kg	02/07/15	JLI	SW8260
1,1-Dichloroethane	ND	3.4	0.66	ug/Kg	02/07/15	JLI	SW8260
1,1-Dichloroethene	ND	3.4	0.73	ug/Kg	02/07/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 34 2-3

Phoenix I.D.: BH70942

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		3.4	0.45	ug/Kg	02/07/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		3.4	0.40	ug/Kg	02/07/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		3.4	0.90	ug/Kg	02/07/15	JLI	SW8260
1,2-Dibromoethane	ND		3.4	0.89	ug/Kg	02/07/15	JLI	SW8260
1,2-Dichlorobenzene	0.65	J	3.4	0.37	ug/Kg	02/07/15	JLI	SW8260
1,2-Dichloroethane	ND		3.4	0.29	ug/Kg	02/07/15	JLI	SW8260
1,2-Dichloropropane	ND		3.4	0.48	ug/Kg	02/07/15	JLI	SW8260
1,3-Dichlorobenzene	ND		3.4	0.50	ug/Kg	02/07/15	JLI	SW8260
1,4-Dichlorobenzene	ND		3.4	0.53	ug/Kg	02/07/15	JLI	SW8260
2-Hexanone	ND		17	1.5	ug/Kg	02/07/15	JLI	SW8260
4-Methyl-2-pentanone	ND		17	0.80	ug/Kg	02/07/15	JLI	SW8260
Acetone	11	JS	34	3.3	ug/Kg	02/07/15	JLI	SW8260
Acrolein	ND		17	2.7	ug/Kg	02/07/15	JLI	SW8260
Acrylonitrile	ND		6.7	1.9	ug/Kg	02/07/15	JLI	SW8260
Benzene	ND		3.4	0.66	ug/Kg	02/07/15	JLI	SW8260
Bromochloromethane	ND		3.4	0.49	ug/Kg	02/07/15	JLI	SW8260
Bromodichloromethane	ND		3.4	0.42	ug/Kg	02/07/15	JLI	SW8260
Bromoform	ND		3.4	0.47	ug/Kg	02/07/15	JLI	SW8260
Bromomethane	ND		3.4	2.6	ug/Kg	02/07/15	JLI	SW8260
Carbon Disulfide	3.2	J	3.4	0.54	ug/Kg	02/07/15	JLI	SW8260
Carbon tetrachloride	ND		3.4	0.39	ug/Kg	02/07/15	JLI	SW8260
Chlorobenzene	ND		3.4	0.50	ug/Kg	02/07/15	JLI	SW8260
Chloroethane	ND		3.4	0.78	ug/Kg	02/07/15	JLI	SW8260
Chloroform	0.94	J	3.4	0.61	ug/Kg	02/07/15	JLI	SW8260
Chloromethane	ND		3.4	1.8	ug/Kg	02/07/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		3.4	0.73	ug/Kg	02/07/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		3.4	0.36	ug/Kg	02/07/15	JLI	SW8260
Cyclohexane	ND		3.4	3.4	ug/Kg	02/07/15	JLI	SW8260
Dibromochloromethane	ND		3.4	0.38	ug/Kg	02/07/15	JLI	SW8260
Dichlorodifluoromethane	ND		3.4	0.89	ug/Kg	02/07/15	JLI	SW8260
Ethylbenzene	ND		3.4	0.61	ug/Kg	02/07/15	JLI	SW8260
Isopropylbenzene	ND		3.4	0.64	ug/Kg	02/07/15	JLI	SW8260
m&p-Xylene	ND		3.4	1.3	ug/Kg	02/07/15	JLI	SW8260
Methyl ethyl ketone	ND		20	2.9	ug/Kg	02/07/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		6.7	0.92	ug/Kg	02/07/15	JLI	SW8260
Methylacetate	ND		3.4	3.4	ug/Kg	02/07/15	JLI	SW8260
Methylcyclohexane	ND		3.4	3.4	ug/Kg	02/07/15	JLI	SW8260
Methylene chloride	1.2	JS	3.4	0.55	ug/Kg	02/07/15	JLI	SW8260
o-Xylene	ND		3.4	1.3	ug/Kg	02/07/15	JLI	SW8260
Styrene	ND		3.4	0.96	ug/Kg	02/07/15	JLI	SW8260
tert-butyl alcohol	ND		67	67	ug/Kg	02/07/15	JLI	SW8260
Tetrachloroethene	ND		3.4	0.70	ug/Kg	02/07/15	JLI	SW8260
Toluene	ND		3.4	0.53	ug/Kg	02/07/15	JLI	SW8260
Total Xylenes	ND		3.4	3.4	ug/Kg	02/07/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		3.4	0.67	ug/Kg	02/07/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		3.4	0.68	ug/Kg	02/07/15	JLI	SW8260
Trichloroethene	ND		3.4	0.71	ug/Kg	02/07/15	JLI	SW8260
Trichlorofluoromethane	ND		3.4	0.74	ug/Kg	02/07/15	JLI	SW8260
Trichlorotrifluoroethane	ND		3.4	0.52	ug/Kg	02/07/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 34 2-3

Phoenix I.D.: BH70942

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	3.4	1.1	ug/Kg	02/07/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	95			%	02/07/15	JLI	70 - 130 %	
% Bromofluorobenzene	86			%	02/07/15	JLI	70 - 130 %	
% Dibromofluoromethane	40			%	02/07/15	JLI	70 - 130 %	3
% Toluene-d8	87			%	02/07/15	JLI	70 - 130 %	
Vinyl Acetate	ND	34	34	ug/Kg	02/07/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

Volatile Comment:

**Poor surrogate recovery was observed for volatiles due to matrix interference.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
February 11, 2015

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

NY # 11301

Analysis Report

February 11, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/05/15	10:00
Location Code:	IMPACT	Received by:	SW	02/05/15	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70938
Phoenix ID: BH70943

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 34 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.33	0.33	0.33	mg/Kg	02/06/15	LK	SW6010	
Aluminum	3390	50	6.7	mg/Kg	02/06/15	LK	SW6010	
Arsenic	4.3	0.7	0.67	mg/Kg	02/06/15	LK	SW6010	
Barium	44.1	0.33	0.33	mg/Kg	02/06/15	LK	SW6010	
Beryllium	0.32	0.27	0.13	mg/Kg	02/06/15	LK	SW6010	
Calcium	15800	50	31	mg/Kg	02/06/15	LK	SW6010	
Cadmium	0.37	0.33	0.13	mg/Kg	02/06/15	LK	SW6010	
Cobalt	4.44	0.33	0.33	mg/Kg	02/06/15	LK	SW6010	
Chromium	11.1	0.33	0.33	mg/Kg	02/06/15	LK	SW6010	
Copper	18.5	0.33	0.33	mg/kg	02/06/15	LK	SW6010	
Iron	12100	50	33	mg/Kg	02/06/15	LK	SW6010	B
Mercury	0.10	0.03	0.02	mg/Kg	02/06/15	RS	SW-7471	
Potassium	883	5.0	2.6	mg/Kg	02/06/15	LK	SW6010	
Magnesium	8240	50	33	mg/Kg	02/06/15	LK	SW6010	
Manganese	138	3.3	3.3	mg/Kg	02/06/15	LK	SW6010	
Sodium	151	5.0	2.9	mg/Kg	02/06/15	LK	SW6010	
Nickel	11.0	0.33	0.33	mg/Kg	02/06/15	LK	SW6010	B
Lead	50.9	0.33	0.33	mg/Kg	02/06/15	LK	SW6010	
Antimony	< 3.3	3.3	1.7	mg/Kg	02/06/15	LK	SW6010	
Selenium	< 1.3	1.3	1.1	mg/Kg	02/06/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/06/15	EK	SW6010	
TCLP Barium	0.87	0.10	0.010	mg/L	02/06/15	EK	SW6010	B
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/06/15	EK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/06/15	RS	SW7470	
TCLP Lead	0.20	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/06/15	EK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 34 COMP

Phoenix I.D.: BH70943

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.0	3.0	1.3	mg/Kg	02/06/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/06/15	I/I	SW3005	
Trivalent Chromium	11.1	0.50		mg/kg	02/10/15	CL	Calculation	
Vanadium	14.6	0.33	0.33	mg/Kg	02/06/15	LK	SW6010	
Zinc	109	0.33	0.33	mg/Kg	02/06/15	LK	SW6010	
Percent Solid	90			%	02/05/15	i	SW846	
Corrosivity	Negative			Pos/Neg	02/05/15	DH/KDB	SW846	1
Flash Point	>200	200		degree F	02/06/15	Y	SW1010	
Chromium, Hexavalent	< 0.44	0.44	0.44	mg/Kg	02/10/15 10:46	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/06/15	Y	SW846	1
pH - Soil	10.51	0.10		pH Units	02/05/15 22:00	DH/KDB	4500-H B/9045	1
Reactivity Cyanide	< 5.6	5.6	0.028	mg/Kg	02/06/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/06/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/06/15	EG	SW 846-7.3	1
Redox Potential	120	1.0		mV	02/05/15	DH/KDB	SM2580B	1
Total Cyanide	< 0.56	0.56	0.28	mg/Kg	02/05/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				02/05/15	JC/H	SW3545	
Soil Extraction for Pesticide	Completed				02/05/15	JC	SW3545	
Soil Extraction for SVOA	Completed				02/05/15	JJ/VH	SW3545	
Mercury Digestion	Completed				02/06/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/05/15	P/D	SW8151	
TCLP Digestion Mercury	Completed				02/06/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/06/15	F/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				02/05/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				02/05/15	I	1311	
TCLP Pesticides Extraction	Completed				02/06/15	L	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/06/15	L	SW3510	
TCLP Extraction Volatiles	Completed				02/05/15	Y	EPA 1311	
Total Metals Digest	Completed				02/05/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				02/05/15	CC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	46	46	ug/Kg	02/07/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	46	46	ug/Kg	02/07/15	BB	SW8151	
2,4-D	ND	46	46	ug/Kg	02/07/15	BB	SW8151	
2,4-DB	ND	460	460	ug/Kg	02/07/15	BB	SW8151	
Dalapon	ND	46	46	ug/Kg	02/07/15	BB	SW8151	
Dicamba	ND	93	93	ug/Kg	02/07/15	BB	SW8151	
Dichloroprop	ND	46	46	ug/Kg	02/07/15	BB	SW8151	
Dinoseb	ND	93	93	ug/Kg	02/07/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	56			%	02/07/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	74	74	ug/Kg	02/06/15	AW	SW 8082	
PCB-1221	ND	74	74	ug/Kg	02/06/15	AW	SW 8082	
PCB-1232	ND	74	74	ug/Kg	02/06/15	AW	SW 8082	
PCB-1242	ND	74	74	ug/Kg	02/06/15	AW	SW 8082	
PCB-1248	ND	74	74	ug/Kg	02/06/15	AW	SW 8082	
PCB-1254	ND	74	74	ug/Kg	02/06/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 34 COMP

Phoenix I.D.: BH70943

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	74	74	ug/Kg	02/06/15	AW	SW 8082
PCB-1262	ND	74	74	ug/Kg	02/06/15	AW	SW 8082
PCB-1268	ND	74	74	ug/Kg	02/06/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	75			%	02/06/15	AW	30 - 150 %
% TCMX	83			%	02/06/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.2	2.2	ug/Kg	02/07/15	CE	SW8081
4,4' -DDE	ND	2.2	2.2	ug/Kg	02/07/15	CE	SW8081
4,4' -DDT	ND	2.2	2.2	ug/Kg	02/07/15	CE	SW8081
a-BHC	ND	7.4	7.4	ug/Kg	02/07/15	CE	SW8081
a-Chlordane	ND	3.7	3.7	ug/Kg	02/07/15	CE	SW8081
Aldrin	ND	3.7	3.7	ug/Kg	02/07/15	CE	SW8081
b-BHC	ND	7.4	7.4	ug/Kg	02/07/15	CE	SW8081
Chlordane	ND	37	37	ug/Kg	02/07/15	CE	SW8081
d-BHC	ND	7.4	7.4	ug/Kg	02/07/15	CE	SW8081
Dieldrin	ND	3.7	3.7	ug/Kg	02/07/15	CE	SW8081
Endosulfan I	ND	7.4	7.4	ug/Kg	02/07/15	CE	SW8081
Endosulfan II	ND	7.4	7.4	ug/Kg	02/07/15	CE	SW8081
Endosulfan sulfate	ND	7.4	7.4	ug/Kg	02/07/15	CE	SW8081
Endrin	ND	7.4	7.4	ug/Kg	02/07/15	CE	SW8081
Endrin aldehyde	ND	7.4	7.4	ug/Kg	02/07/15	CE	SW8081
Endrin ketone	ND	7.4	7.4	ug/Kg	02/07/15	CE	SW8081
g-BHC	ND	1.5	1.5	ug/Kg	02/07/15	CE	SW8081
g-Chlordane	ND	3.7	3.7	ug/Kg	02/07/15	CE	SW8081
Heptachlor	ND	7.4	7.4	ug/Kg	02/07/15	CE	SW8081
Heptachlor epoxide	ND	7.4	7.4	ug/Kg	02/07/15	CE	SW8081
Methoxychlor	ND	37	37	ug/Kg	02/07/15	CE	SW8081
Toxaphene	ND	150	150	ug/Kg	02/07/15	CE	SW8081
QA/QC Surrogates							
% DCBP	83			%	02/07/15	CE	30 - 150 %
% TCMX	78			%	02/07/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
QA/QC Surrogates							
% DCAA	67			%	02/10/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/08/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/08/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/08/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/08/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/08/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/08/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/08/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/08/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/08/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/08/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/08/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/08/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/08/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	87			%	02/08/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	77			%	02/08/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	54	54	mg/Kg	02/10/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	91			%	02/10/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/06/15	MH	SW8260
Benzene	ND	25	25	ug/L	02/06/15	MH	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/06/15	MH	SW8260
Chlorobenzene	ND	25	25	ug/L	02/06/15	MH	SW8260
Chloroform	ND	25	25	ug/L	02/06/15	MH	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/06/15	MH	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
Trichloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
Vinyl chloride	ND	25	25	ug/L	02/06/15	MH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100			%	02/06/15	MH	70 - 130 %
% Bromofluorobenzene	91			%	02/06/15	MH	70 - 130 %
% Dibromofluoromethane	91			%	02/06/15	MH	70 - 130 %
% Toluene-d8	97			%	02/06/15	MH	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	250	110	ug/Kg	02/06/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	02/06/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	360	360	ug/Kg	02/06/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	250	170	ug/Kg	02/06/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	02/06/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	02/06/15	DD	SW 8270
2,4-Dichlorophenol	ND	150	130	ug/Kg	02/06/15	DD	SW 8270
2,4-Dimethylphenol	ND	250	90	ug/Kg	02/06/15	DD	SW 8270
2,4-Dinitrophenol	ND	250	250	ug/Kg	02/06/15	DD	SW 8270
2,4-Dinitrotoluene	ND	150	140	ug/Kg	02/06/15	DD	SW 8270
2,6-Dinitrotoluene	ND	150	110	ug/Kg	02/06/15	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	02/06/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 34 COMP

Phoenix I.D.: BH70943

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		250	100	ug/Kg	02/06/15	DD	SW 8270	
2-Methylnaphthalene	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		250	170	ug/Kg	02/06/15	DD	SW 8270	
2-Nitroaniline	ND		1800	370	ug/Kg	02/06/15	DD	SW 8270	
2-Nitrophenol	ND		250	230	ug/Kg	02/06/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		250	140	ug/Kg	02/06/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		150	170	ug/Kg	02/06/15	DD	SW 8270	
3-Nitroaniline	ND		1800	790	ug/Kg	02/06/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		250	390	ug/Kg	02/06/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		250	130	ug/Kg	02/06/15	DD	SW 8270	
4-Chloroaniline	ND		730	170	ug/Kg	02/06/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	
4-Nitroaniline	ND		1800	120	ug/Kg	02/06/15	DD	SW 8270	
4-Nitrophenol	ND		1800	160	ug/Kg	02/06/15	DD	SW 8270	
Acenaphthene	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Acenaphthylene	ND		150	100	ug/Kg	02/06/15	DD	SW 8270	
Acetophenone	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Anthracene	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	
Atrazine	ND		150	160	ug/Kg	02/06/15	DD	SW 8270	
Benz(a)anthracene	130	J	250	120	ug/Kg	02/06/15	DD	SW 8270	
Benzaldehyde	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Benzidine	ND		540	540	ug/Kg	02/06/15	DD	SW 8270	
Benzo(a)pyrene	130	J	150	120	ug/Kg	02/06/15	DD	SW 8270	
Benzo(b)fluoranthene	200	J	250	120	ug/Kg	02/06/15	DD	SW 8270	
Benzo(ghi)perylene	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	
Benzo(k)fluoranthene	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	
Benzyl Alcohol	ND		360	360	ug/Kg	02/06/15	DD	SW 8270	
Benzyl butyl phthalate	ND		250	94	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		250	100	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		150	98	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		250	100	ug/Kg	02/06/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		250	100	ug/Kg	02/06/15	DD	SW 8270	
Caprolactam	ND		250	650	ug/Kg	02/06/15	DD	SW 8270	
Carbazole	ND		1800	280	ug/Kg	02/06/15	DD	SW 8270	
Chrysene	170	J	250	120	ug/Kg	02/06/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		150	120	ug/Kg	02/06/15	DD	SW 8270	
Dibenzofuran	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Diethyl phthalate	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Dimethylphthalate	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Di-n-butylphthalate	ND		250	97	ug/Kg	02/06/15	DD	SW 8270	
Di-n-octylphthalate	ND		250	94	ug/Kg	02/06/15	DD	SW 8270	
Fluoranthene	200	J	250	120	ug/Kg	02/06/15	DD	SW 8270	
Fluorene	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorobenzene	ND		150	110	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorobutadiene	ND		250	130	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Hexachloroethane	ND		150	110	ug/Kg	02/06/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 34 COMP

Phoenix I.D.: BH70943

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND		150	100	ug/Kg	02/06/15	DD	SW 8270	
Naphthalene	ND		250	100	ug/Kg	02/06/15	DD	SW 8270	
Nitrobenzene	ND		150	130	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodimethylamine	ND		250	100	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		150	120	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND		150	140	ug/Kg	02/06/15	DD	SW 8270	
Pentachlorophenol	ND		250	140	ug/Kg	02/06/15	DD	SW 8270	
Phenanthrene	180		150	100	ug/Kg	02/06/15	DD	SW 8270	
Phenol	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	
Pyrene	210	J	250	120	ug/Kg	02/06/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	69				%	02/06/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	84				%	02/06/15	DD	30 - 130 %	
% 2-Fluorophenol	77				%	02/06/15	DD	30 - 130 %	
% Nitrobenzene-d5	71				%	02/06/15	DD	30 - 130 %	
% Phenol-d5	80				%	02/06/15	DD	30 - 130 %	
% Terphenyl-d14	91				%	02/06/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral									
1,4-Dichlorobenzene	ND		83	83	ug/L	02/08/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND		83	83	ug/L	02/08/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND		83	83	ug/L	02/08/15	DD	SW 8270	
2,4-Dinitrotoluene	ND		83	83	ug/L	02/08/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		83	83	ug/L	02/08/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND		83	83	ug/L	02/08/15	DD	SW 8270	
Hexachlorobenzene	ND		83	83	ug/L	02/08/15	DD	SW 8270	
Hexachlorobutadiene	ND		83	83	ug/L	02/08/15	DD	SW 8270	
Hexachloroethane	ND		83	83	ug/L	02/08/15	DD	SW 8270	
Nitrobenzene	ND		83	83	ug/L	02/08/15	DD	SW 8270	
Pentachlorophenol	ND		83	83	ug/L	02/08/15	DD	SW 8270	
Pyridine	ND		83	83	ug/L	02/08/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	91				%	02/08/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	69				%	02/08/15	DD	30 - 130 %	
% 2-Fluorophenol	54				%	02/08/15	DD	15 - 110 %	
% Nitrobenzene-d5	71				%	02/08/15	DD	30 - 130 %	
% Phenol-d5	45				%	02/08/15	DD	15 - 110 %	
% Terphenyl-d14	97				%	02/08/15	DD	30 - 130 %	
Aniline	ND		330		ug/Kg	02/06/15	DD	SW8270	
Benzoic Acid	ND		330		ug/Kg	02/06/15	DD	SW8270	1
Parathion	ND		360	150	ug/Kg	02/06/15	DD	SW8270	1

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 34 COMP

Phoenix I.D.: BH70943

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

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

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-tir

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This metho no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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

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

Phyllis Shiller, Laboratory Director
February 11, 2015

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

NY # 11301

Analysis Report

February 11, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/05/15	10:30
Location Code:	IMPACT	Received by:	SW	02/05/15	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70938
Phoenix ID: BH70944

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 6 1-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/05/15	i	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	3.6	0.72	ug/Kg	02/06/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	3.6	0.72	ug/Kg	02/06/15	JLI	SW8260
1,3-Dichlorobenzene	ND	3.6	0.72	ug/Kg	02/06/15	JLI	SW8260
Naphthalene	ND	3.6	0.96	ug/Kg	02/06/15	JLI	SW8260
n-Butylbenzene	ND	3.6	0.72	ug/Kg	02/06/15	JLI	SW8260
n-Propylbenzene	ND	3.6	0.72	ug/Kg	02/06/15	JLI	SW8260
p-Isopropyltoluene	ND	3.6	0.72	ug/Kg	02/06/15	JLI	SW8260
sec-Butylbenzene	ND	3.6	0.72	ug/Kg	02/06/15	JLI	SW8260
tert-Butylbenzene	ND	3.6	0.72	ug/Kg	02/06/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	98			%	02/06/15	JLI	SW8260
% Bromofluorobenzene	86			%	02/06/15	JLI	SW8260
% Dibromofluoromethane	97			%	02/06/15	JLI	SW8260
% Toluene-d8	90			%	02/06/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	72	72	ug/kg	02/06/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	3.6	0.72	ug/Kg	02/06/15	JLI	SW8260
1,1,1-Trichloroethane	ND	3.6	0.72	ug/Kg	02/06/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	3.6	0.51	ug/Kg	02/06/15	JLI	SW8260
1,1,2-Trichloroethane	ND	3.6	0.35	ug/Kg	02/06/15	JLI	SW8260
1,1-Dichloroethane	ND	3.6	0.71	ug/Kg	02/06/15	JLI	SW8260
1,1-Dichloroethene	ND	3.6	0.78	ug/Kg	02/06/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 6 1-2

Phoenix I.D.: BH70944

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		3.6	0.48	ug/Kg	02/06/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		3.6	0.42	ug/Kg	02/06/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		3.6	0.96	ug/Kg	02/06/15	JLI	SW8260
1,2-Dibromoethane	ND		3.6	0.96	ug/Kg	02/06/15	JLI	SW8260
1,2-Dichlorobenzene	ND		3.6	0.40	ug/Kg	02/06/15	JLI	SW8260
1,2-Dichloroethane	ND		3.6	0.32	ug/Kg	02/06/15	JLI	SW8260
1,2-Dichloropropane	ND		3.6	0.51	ug/Kg	02/06/15	JLI	SW8260
1,3-Dichlorobenzene	ND		3.6	0.53	ug/Kg	02/06/15	JLI	SW8260
1,4-Dichlorobenzene	ND		3.6	0.57	ug/Kg	02/06/15	JLI	SW8260
2-Hexanone	ND		18	1.6	ug/Kg	02/06/15	JLI	SW8260
4-Methyl-2-pentanone	ND		18	0.86	ug/Kg	02/06/15	JLI	SW8260
Acetone	16	JS	36	3.6	ug/Kg	02/06/15	JLI	SW8260
Acrolein	ND		18	2.9	ug/Kg	02/06/15	JLI	SW8260
Acrylonitrile	ND		7.2	2.0	ug/Kg	02/06/15	JLI	SW8260
Benzene	ND		3.6	0.71	ug/Kg	02/06/15	JLI	SW8260
Bromochloromethane	ND		3.6	0.53	ug/Kg	02/06/15	JLI	SW8260
Bromodichloromethane	ND		3.6	0.45	ug/Kg	02/06/15	JLI	SW8260
Bromoform	ND		3.6	0.50	ug/Kg	02/06/15	JLI	SW8260
Bromomethane	ND		3.6	2.8	ug/Kg	02/06/15	JLI	SW8260
Carbon Disulfide	1.8	J	3.6	0.58	ug/Kg	02/06/15	JLI	SW8260
Carbon tetrachloride	ND		3.6	0.42	ug/Kg	02/06/15	JLI	SW8260
Chlorobenzene	ND		3.6	0.53	ug/Kg	02/06/15	JLI	SW8260
Chloroethane	ND		3.6	0.84	ug/Kg	02/06/15	JLI	SW8260
Chloroform	ND		3.6	0.66	ug/Kg	02/06/15	JLI	SW8260
Chloromethane	ND		3.6	1.9	ug/Kg	02/06/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		3.6	0.78	ug/Kg	02/06/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		3.6	0.39	ug/Kg	02/06/15	JLI	SW8260
Cyclohexane	ND		3.6	3.6	ug/Kg	02/06/15	JLI	SW8260
Dibromochloromethane	ND		3.6	0.40	ug/Kg	02/06/15	JLI	SW8260
Dichlorodifluoromethane	ND		3.6	0.96	ug/Kg	02/06/15	JLI	SW8260
Ethylbenzene	ND		3.6	0.66	ug/Kg	02/06/15	JLI	SW8260
Isopropylbenzene	ND		3.6	0.69	ug/Kg	02/06/15	JLI	SW8260
m&p-Xylene	ND		3.6	1.4	ug/Kg	02/06/15	JLI	SW8260
Methyl ethyl ketone	4.2	J	22	3.1	ug/Kg	02/06/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		7.2	0.99	ug/Kg	02/06/15	JLI	SW8260
Methylacetate	ND		3.6	3.6	ug/Kg	02/06/15	JLI	SW8260
Methylcyclohexane	ND		3.6	3.6	ug/Kg	02/06/15	JLI	SW8260
Methylene chloride	0.99	JS	3.6	0.59	ug/Kg	02/06/15	JLI	SW8260
o-Xylene	ND		3.6	1.4	ug/Kg	02/06/15	JLI	SW8260
Styrene	ND		3.6	1.0	ug/Kg	02/06/15	JLI	SW8260
tert-butyl alcohol	ND		72	72	ug/Kg	02/06/15	JLI	SW8260
Tetrachloroethene	ND		3.6	0.76	ug/Kg	02/06/15	JLI	SW8260
Toluene	ND		3.6	0.57	ug/Kg	02/06/15	JLI	SW8260
Total Xylenes	ND		3.6	3.6	ug/Kg	02/06/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		3.6	0.72	ug/Kg	02/06/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		3.6	0.73	ug/Kg	02/06/15	JLI	SW8260
Trichloroethene	ND		3.6	0.76	ug/Kg	02/06/15	JLI	SW8260
Trichlorofluoromethane	ND		3.6	0.80	ug/Kg	02/06/15	JLI	SW8260
Trichlorotrifluoroethane	ND		3.6	0.56	ug/Kg	02/06/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 6 1-2

Phoenix I.D.: BH70944

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	3.6	1.2	ug/Kg	02/06/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	98			%	02/06/15	JLI	70 - 130 %	
% Bromofluorobenzene	83			%	02/06/15	JLI	70 - 130 %	
% Dibromofluoromethane	98			%	02/06/15	JLI	70 - 130 %	
% Toluene-d8	90			%	02/06/15	JLI	70 - 130 %	
Vinyl Acetate	ND	36	36	ug/Kg	02/06/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

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 11, 2015

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

NY # 11301

Analysis Report

February 11, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/05/15	10:30
Location Code:	IMPACT	Received by:	SW	02/05/15	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70938
Phoenix ID: BH70945

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 6 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.37	0.37	0.37	mg/Kg	02/06/15	LK	SW6010	
Aluminum	6220	56	7.4	mg/Kg	02/06/15	LK	SW6010	
Arsenic	3.4	0.7	0.74	mg/Kg	02/06/15	LK	SW6010	
Barium	67.6	0.37	0.37	mg/Kg	02/06/15	LK	SW6010	
Beryllium	0.81	0.30	0.15	mg/Kg	02/06/15	LK	SW6010	
Calcium	3670	5.6	3.4	mg/Kg	02/06/15	LK	SW6010	
Cadmium	< 0.37	0.37	0.15	mg/Kg	02/06/15	LK	SW6010	
Cobalt	10.4	0.37	0.37	mg/Kg	02/06/15	LK	SW6010	
Chromium	20.1	0.37	0.37	mg/Kg	02/06/15	LK	SW6010	
Copper	96.3	0.37	0.37	mg/kg	02/06/15	LK	SW6010	
Iron	13300	56	37	mg/Kg	02/06/15	LK	SW6010	B
Mercury	0.13	0.03	0.02	mg/Kg	02/06/15	RS	SW-7471	
Potassium	1000	5.6	2.9	mg/Kg	02/06/15	LK	SW6010	
Magnesium	2180	5.6	3.7	mg/Kg	02/06/15	LK	SW6010	
Manganese	193	3.7	3.7	mg/Kg	02/06/15	LK	SW6010	
Sodium	2330	5.6	3.2	mg/Kg	02/06/15	LK	SW6010	
Nickel	72.4	0.37	0.37	mg/Kg	02/06/15	LK	SW6010	B
Lead	189	3.7	3.7	mg/Kg	02/06/15	LK	SW6010	
Antimony	< 3.7	3.7	1.9	mg/Kg	02/06/15	LK	SW6010	
Selenium	< 1.5	1.5	1.3	mg/Kg	02/06/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/06/15	EK	SW6010	
TCLP Barium	0.54	0.10	0.010	mg/L	02/06/15	EK	SW6010	B
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/06/15	EK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/06/15	RS	SW7470	
TCLP Lead	0.43	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/06/15	EK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 6 COMP

Phoenix I.D.: BH70945

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.4	3.4	1.5	mg/Kg	02/06/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/06/15	I/I	SW3005	
Trivalent Chromium	20.1	0.50		mg/kg	02/10/15	CL	Calculation	
Vanadium	21.6	0.37	0.37	mg/Kg	02/06/15	LK	SW6010	
Zinc	307	3.7	3.7	mg/Kg	02/06/15	LK	SW6010	
Percent Solid	92			%	02/05/15	i	SW846	
Corrosivity	Negative			Pos/Neg	02/05/15	DH/KDB	SW846	1
Flash Point	>200	200		degree F	02/06/15	Y	SW1010	
Chromium, Hexavalent	< 0.42	0.42	0.42	mg/Kg	02/10/15 10:46	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/06/15	Y	SW846	1
pH - Soil	9.88	0.10		pH Units	02/05/15 22:00	DH/KDB	4500-H B/9045	1
Reactivity Cyanide	< 5.4	5.4	0.027	mg/Kg	02/06/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/06/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/06/15	EG	SW 846-7.3	1
Redox Potential	130	1.0		mV	02/05/15	DH/KDB	SM2580B	1
Total Cyanide	< 0.54	0.54	0.27	mg/Kg	02/05/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				02/05/15	JC/H	SW3545	
Soil Extraction for Pesticide	Completed				02/05/15	JC	SW3545	
Soil Extraction for SVOA	Completed				02/05/15	JJ/VH	SW3545	
Mercury Digestion	Completed				02/06/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/05/15	P/D	SW8151	
TCLP Digestion Mercury	Completed				02/06/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/06/15	F/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				02/05/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				02/05/15	I	1311	
TCLP Pesticides Extraction	Completed				02/06/15	L	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/06/15	L	SW3510	
TCLP Extraction Volatiles	Completed				02/05/15	Y	EPA 1311	
Total Metals Digest	Completed				02/05/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				02/05/15	CC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	45	45	ug/Kg	02/07/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	45	45	ug/Kg	02/07/15	BB	SW8151	
2,4-D	ND	45	45	ug/Kg	02/07/15	BB	SW8151	
2,4-DB	ND	450	450	ug/Kg	02/07/15	BB	SW8151	
Dalapon	ND	45	45	ug/Kg	02/07/15	BB	SW8151	
Dicamba	ND	90	90	ug/Kg	02/07/15	BB	SW8151	
Dichloroprop	ND	45	45	ug/Kg	02/07/15	BB	SW8151	
Dinoseb	ND	90	90	ug/Kg	02/07/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	52			%	02/07/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	71	71	ug/Kg	02/06/15	AW	SW 8082	
PCB-1221	ND	71	71	ug/Kg	02/06/15	AW	SW 8082	
PCB-1232	ND	71	71	ug/Kg	02/06/15	AW	SW 8082	
PCB-1242	ND	71	71	ug/Kg	02/06/15	AW	SW 8082	
PCB-1248	ND	71	71	ug/Kg	02/06/15	AW	SW 8082	
PCB-1254	ND	71	71	ug/Kg	02/06/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 6 COMP

Phoenix I.D.: BH70945

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	71	71	ug/Kg	02/06/15	AW	SW 8082
PCB-1262	ND	71	71	ug/Kg	02/06/15	AW	SW 8082
PCB-1268	ND	71	71	ug/Kg	02/06/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	83			%	02/06/15	AW	30 - 150 %
% TCMX	94			%	02/06/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.1	2.1	ug/Kg	02/07/15	CE	SW8081
4,4' -DDE	ND	2.1	2.1	ug/Kg	02/07/15	CE	SW8081
4,4' -DDT	ND	2.1	2.1	ug/Kg	02/07/15	CE	SW8081
a-BHC	ND	7.1	7.1	ug/Kg	02/07/15	CE	SW8081
a-Chlordane	11	3.5	3.5	ug/Kg	02/07/15	CE	SW8081
Aldrin	ND	3.5	3.5	ug/Kg	02/07/15	CE	SW8081
b-BHC	ND	7.1	7.1	ug/Kg	02/07/15	CE	SW8081
Chlordane	65	35	35	ug/Kg	02/07/15	CE	SW8081
d-BHC	ND	7.1	7.1	ug/Kg	02/07/15	CE	SW8081
Dieldrin	ND	3.5	3.5	ug/Kg	02/07/15	CE	SW8081
Endosulfan I	ND	7.1	7.1	ug/Kg	02/07/15	CE	SW8081
Endosulfan II	ND	7.1	7.1	ug/Kg	02/07/15	CE	SW8081
Endosulfan sulfate	ND	7.1	7.1	ug/Kg	02/07/15	CE	SW8081
Endrin	ND	7.1	7.1	ug/Kg	02/07/15	CE	SW8081
Endrin aldehyde	ND	7.1	7.1	ug/Kg	02/07/15	CE	SW8081
Endrin ketone	ND	7.1	7.1	ug/Kg	02/07/15	CE	SW8081
g-BHC	ND	1.4	1.4	ug/Kg	02/07/15	CE	SW8081
g-Chlordane	8.2	3.5	3.5	ug/Kg	02/07/15	CE	SW8081
Heptachlor	ND	7.1	7.1	ug/Kg	02/07/15	CE	SW8081
Heptachlor epoxide	ND	7.1	7.1	ug/Kg	02/07/15	CE	SW8081
Methoxychlor	ND	35	35	ug/Kg	02/07/15	CE	SW8081
Toxaphene	ND	140	140	ug/Kg	02/07/15	CE	SW8081
QA/QC Surrogates							
% DCBP	85			%	02/07/15	CE	30 - 150 %
% TCMX	78			%	02/07/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
QA/QC Surrogates							
% DCAA	60			%	02/10/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/08/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/08/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/08/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/08/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/08/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/08/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/08/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/08/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/08/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/08/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/08/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/08/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/08/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	76			%	02/08/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	79			%	02/08/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	54	54	mg/Kg	02/07/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	91			%	02/07/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/06/15	MH	SW8260
Benzene	ND	25	25	ug/L	02/06/15	MH	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/06/15	MH	SW8260
Chlorobenzene	ND	25	25	ug/L	02/06/15	MH	SW8260
Chloroform	ND	25	25	ug/L	02/06/15	MH	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/06/15	MH	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
Trichloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
Vinyl chloride	ND	25	25	ug/L	02/06/15	MH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100			%	02/06/15	MH	70 - 130 %
% Bromofluorobenzene	93			%	02/06/15	MH	70 - 130 %
% Dibromofluoromethane	90			%	02/06/15	MH	70 - 130 %
% Toluene-d8	96			%	02/06/15	MH	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	250	110	ug/Kg	02/06/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	250	120	ug/Kg	02/06/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	350	350	ug/Kg	02/06/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	250	170	ug/Kg	02/06/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	02/06/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	02/06/15	DD	SW 8270
2,4-Dichlorophenol	ND	140	120	ug/Kg	02/06/15	DD	SW 8270
2,4-Dimethylphenol	ND	250	88	ug/Kg	02/06/15	DD	SW 8270
2,4-Dinitrophenol	ND	250	250	ug/Kg	02/06/15	DD	SW 8270
2,4-Dinitrotoluene	ND	140	140	ug/Kg	02/06/15	DD	SW 8270
2,6-Dinitrotoluene	ND	140	110	ug/Kg	02/06/15	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	02/06/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 6 COMP

Phoenix I.D.: BH70945

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		250	100	ug/Kg	02/06/15	DD	SW 8270	
2-Methylnaphthalene	130	J	250	110	ug/Kg	02/06/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		250	170	ug/Kg	02/06/15	DD	SW 8270	
2-Nitroaniline	ND		1800	360	ug/Kg	02/06/15	DD	SW 8270	
2-Nitrophenol	ND		250	220	ug/Kg	02/06/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		250	140	ug/Kg	02/06/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		140	170	ug/Kg	02/06/15	DD	SW 8270	
3-Nitroaniline	ND		1800	770	ug/Kg	02/06/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		250	380	ug/Kg	02/06/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		250	100	ug/Kg	02/06/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	
4-Chloroaniline	ND		710	160	ug/Kg	02/06/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	
4-Nitroaniline	ND		1800	120	ug/Kg	02/06/15	DD	SW 8270	
4-Nitrophenol	ND		1800	160	ug/Kg	02/06/15	DD	SW 8270	
Acenaphthene	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Acenaphthylene	ND		140	99	ug/Kg	02/06/15	DD	SW 8270	
Acetophenone	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Anthracene	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	
Atrazine	ND		140	160	ug/Kg	02/06/15	DD	SW 8270	
Benz(a)anthracene	210	J	250	120	ug/Kg	02/06/15	DD	SW 8270	
Benzaldehyde	ND		250	100	ug/Kg	02/06/15	DD	SW 8270	
Benzidine	ND		530	530	ug/Kg	02/06/15	DD	SW 8270	
Benzo(a)pyrene	220		140	120	ug/Kg	02/06/15	DD	SW 8270	
Benzo(b)fluoranthene	330		250	120	ug/Kg	02/06/15	DD	SW 8270	
Benzo(ghi)perylene	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Benzo(k)fluoranthene	120	J	250	120	ug/Kg	02/06/15	DD	SW 8270	
Benzyl Alcohol	ND		350	350	ug/Kg	02/06/15	DD	SW 8270	
Benzyl butyl phthalate	ND		250	91	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		250	97	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		140	95	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		250	98	ug/Kg	02/06/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		250	100	ug/Kg	02/06/15	DD	SW 8270	
Caprolactam	ND		250	630	ug/Kg	02/06/15	DD	SW 8270	
Carbazole	ND		1800	270	ug/Kg	02/06/15	DD	SW 8270	
Chrysene	230	J	250	120	ug/Kg	02/06/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		140	110	ug/Kg	02/06/15	DD	SW 8270	
Dibenzofuran	ND		250	100	ug/Kg	02/06/15	DD	SW 8270	
Diethyl phthalate	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Dimethylphthalate	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Di-n-butylphthalate	ND		250	94	ug/Kg	02/06/15	DD	SW 8270	
Di-n-octylphthalate	ND		250	91	ug/Kg	02/06/15	DD	SW 8270	
Fluoranthene	330		250	110	ug/Kg	02/06/15	DD	SW 8270	
Fluorene	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorobenzene	ND		140	100	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorobutadiene	ND		250	130	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Hexachloroethane	ND		140	110	ug/Kg	02/06/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 6 COMP

Phoenix I.D.: BH70945

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND	140	99	ug/Kg	02/06/15	DD	SW 8270	
Naphthalene	ND	250	100	ug/Kg	02/06/15	DD	SW 8270	
Nitrobenzene	ND	140	120	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodimethylamine	ND	250	100	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	140	110	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND	140	140	ug/Kg	02/06/15	DD	SW 8270	
Pentachlorophenol	ND	250	130	ug/Kg	02/06/15	DD	SW 8270	
Phenanthrene	260	140	100	ug/Kg	02/06/15	DD	SW 8270	
Phenol	ND	250	110	ug/Kg	02/06/15	DD	SW 8270	
Pyrene	330	250	120	ug/Kg	02/06/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	75			%	02/06/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	90			%	02/06/15	DD	30 - 130 %	
% 2-Fluorophenol	86			%	02/06/15	DD	30 - 130 %	
% Nitrobenzene-d5	79			%	02/06/15	DD	30 - 130 %	
% Phenol-d5	85			%	02/06/15	DD	30 - 130 %	
% Terphenyl-d14	94			%	02/06/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral								
1,4-Dichlorobenzene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND	83	83	ug/L	02/08/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND	83	83	ug/L	02/08/15	DD	SW 8270	
2,4-Dinitrotoluene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	83	83	ug/L	02/08/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Hexachlorobenzene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Hexachlorobutadiene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Hexachloroethane	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Nitrobenzene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Pentachlorophenol	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Pyridine	ND	83	83	ug/L	02/08/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	97			%	02/08/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	79			%	02/08/15	DD	30 - 130 %	
% 2-Fluorophenol	62			%	02/08/15	DD	15 - 110 %	
% Nitrobenzene-d5	85			%	02/08/15	DD	30 - 130 %	
% Phenol-d5	53			%	02/08/15	DD	15 - 110 %	
% Terphenyl-d14	101			%	02/08/15	DD	30 - 130 %	
Aniline	ND	330		ug/Kg	02/06/15	DD	SW8270	
Benzoic Acid	ND	330		ug/Kg	02/06/15	DD	SW8270	1
Parathion	ND	350	140	ug/Kg	02/06/15	DD	SW8270	1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

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

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-tir

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This metho no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
February 11, 2015

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 11, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/05/15	11:00
Location Code:	IMPACT	Received by:	SW	02/05/15	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70938
Phoenix ID: BH70946

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 7 1-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/05/15	i	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	2.5	0.49	ug/Kg	02/06/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	2.5	0.49	ug/Kg	02/06/15	JLI	SW8260
1,3-Dichlorobenzene	ND	2.5	0.49	ug/Kg	02/06/15	JLI	SW8260
Naphthalene	ND	2.5	0.66	ug/Kg	02/06/15	JLI	SW8260
n-Butylbenzene	ND	2.5	0.49	ug/Kg	02/06/15	JLI	SW8260
n-Propylbenzene	ND	2.5	0.49	ug/Kg	02/06/15	JLI	SW8260
p-Isopropyltoluene	ND	2.5	0.49	ug/Kg	02/06/15	JLI	SW8260
sec-Butylbenzene	ND	2.5	0.49	ug/Kg	02/06/15	JLI	SW8260
tert-Butylbenzene	ND	2.5	0.49	ug/Kg	02/06/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	97			%	02/06/15	JLI	SW8260
% Bromofluorobenzene	95			%	02/06/15	JLI	SW8260
% Dibromofluoromethane	98			%	02/06/15	JLI	SW8260
% Toluene-d8	87			%	02/06/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	49	49	ug/kg	02/06/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	2.5	0.49	ug/Kg	02/06/15	JLI	SW8260
1,1,1-Trichloroethane	ND	2.5	0.49	ug/Kg	02/06/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	2.5	0.35	ug/Kg	02/06/15	JLI	SW8260
1,1,2-Trichloroethane	ND	2.5	0.24	ug/Kg	02/06/15	JLI	SW8260
1,1-Dichloroethane	ND	2.5	0.49	ug/Kg	02/06/15	JLI	SW8260
1,1-Dichloroethene	ND	2.5	0.53	ug/Kg	02/06/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 7 1-2

Phoenix I.D.: BH70946

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		2.5	0.33	ug/Kg	02/06/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		2.5	0.29	ug/Kg	02/06/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		2.5	0.66	ug/Kg	02/06/15	JLI	SW8260
1,2-Dibromoethane	ND		2.5	0.65	ug/Kg	02/06/15	JLI	SW8260
1,2-Dichlorobenzene	ND		2.5	0.27	ug/Kg	02/06/15	JLI	SW8260
1,2-Dichloroethane	ND		2.5	0.22	ug/Kg	02/06/15	JLI	SW8260
1,2-Dichloropropane	ND		2.5	0.35	ug/Kg	02/06/15	JLI	SW8260
1,3-Dichlorobenzene	ND		2.5	0.36	ug/Kg	02/06/15	JLI	SW8260
1,4-Dichlorobenzene	ND		2.5	0.39	ug/Kg	02/06/15	JLI	SW8260
2-Hexanone	ND		12	1.1	ug/Kg	02/06/15	JLI	SW8260
4-Methyl-2-pentanone	ND		12	0.58	ug/Kg	02/06/15	JLI	SW8260
Acetone	2.9	JS	25	2.4	ug/Kg	02/06/15	JLI	SW8260
Acrolein	ND		12	2.0	ug/Kg	02/06/15	JLI	SW8260
Acrylonitrile	ND		4.9	1.4	ug/Kg	02/06/15	JLI	SW8260
Benzene	ND		2.5	0.49	ug/Kg	02/06/15	JLI	SW8260
Bromochloromethane	ND		2.5	0.36	ug/Kg	02/06/15	JLI	SW8260
Bromodichloromethane	ND		2.5	0.30	ug/Kg	02/06/15	JLI	SW8260
Bromoform	ND		2.5	0.34	ug/Kg	02/06/15	JLI	SW8260
Bromomethane	ND		2.5	1.9	ug/Kg	02/06/15	JLI	SW8260
Carbon Disulfide	ND		2.5	0.40	ug/Kg	02/06/15	JLI	SW8260
Carbon tetrachloride	ND		2.5	0.28	ug/Kg	02/06/15	JLI	SW8260
Chlorobenzene	0.82	J	2.5	0.36	ug/Kg	02/06/15	JLI	SW8260
Chloroethane	ND		2.5	0.57	ug/Kg	02/06/15	JLI	SW8260
Chloroform	ND		2.5	0.45	ug/Kg	02/06/15	JLI	SW8260
Chloromethane	ND		2.5	1.3	ug/Kg	02/06/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		2.5	0.53	ug/Kg	02/06/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		2.5	0.26	ug/Kg	02/06/15	JLI	SW8260
Cyclohexane	ND		2.5	2.5	ug/Kg	02/06/15	JLI	SW8260
Dibromochloromethane	ND		2.5	0.27	ug/Kg	02/06/15	JLI	SW8260
Dichlorodifluoromethane	ND		2.5	0.65	ug/Kg	02/06/15	JLI	SW8260
Ethylbenzene	ND		2.5	0.45	ug/Kg	02/06/15	JLI	SW8260
Isopropylbenzene	ND		2.5	0.47	ug/Kg	02/06/15	JLI	SW8260
m&p-Xylene	ND		2.5	0.97	ug/Kg	02/06/15	JLI	SW8260
Methyl ethyl ketone	ND		15	2.1	ug/Kg	02/06/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		4.9	0.68	ug/Kg	02/06/15	JLI	SW8260
Methylacetate	ND		2.5	2.5	ug/Kg	02/06/15	JLI	SW8260
Methylcyclohexane	ND		2.5	2.5	ug/Kg	02/06/15	JLI	SW8260
Methylene chloride	1.1	JS	2.5	0.40	ug/Kg	02/06/15	JLI	SW8260
o-Xylene	ND		2.5	0.94	ug/Kg	02/06/15	JLI	SW8260
Styrene	ND		2.5	0.71	ug/Kg	02/06/15	JLI	SW8260
tert-butyl alcohol	ND		49	49	ug/Kg	02/06/15	JLI	SW8260
Tetrachloroethene	ND		2.5	0.51	ug/Kg	02/06/15	JLI	SW8260
Toluene	ND		2.5	0.39	ug/Kg	02/06/15	JLI	SW8260
Total Xylenes	ND		2.5	2.5	ug/Kg	02/06/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		2.5	0.49	ug/Kg	02/06/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		2.5	0.50	ug/Kg	02/06/15	JLI	SW8260
Trichloroethene	ND		2.5	0.52	ug/Kg	02/06/15	JLI	SW8260
Trichlorofluoromethane	ND		2.5	0.54	ug/Kg	02/06/15	JLI	SW8260
Trichlorotrifluoroethane	ND		2.5	0.38	ug/Kg	02/06/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 7 1-2

Phoenix I.D.: BH70946

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	2.5	0.79	ug/Kg	02/06/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	97			%	02/06/15	JLI	70 - 130 %	
% Bromofluorobenzene	91			%	02/06/15	JLI	70 - 130 %	
% Dibromofluoromethane	99			%	02/06/15	JLI	70 - 130 %	
% Toluene-d8	87			%	02/06/15	JLI	70 - 130 %	
Vinyl Acetate	ND	25	25	ug/Kg	02/06/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

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 11, 2015

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 11, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/05/15	11:00
Location Code:	IMPACT	Received by:	SW	02/05/15	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70938
Phoenix ID: BH70947

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 7 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.34	0.34	0.34	mg/Kg	02/06/15	LK	SW6010	
Aluminum	5460	51	6.8	mg/Kg	02/06/15	LK	SW6010	
Arsenic	1.9	0.7	0.68	mg/Kg	02/06/15	LK	SW6010	
Barium	37.1	0.34	0.34	mg/Kg	02/06/15	LK	SW6010	
Beryllium	0.39	0.27	0.14	mg/Kg	02/06/15	LK	SW6010	
Calcium	11900	51	31	mg/Kg	02/06/15	LK	SW6010	
Cadmium	< 0.34	0.34	0.14	mg/Kg	02/06/15	LK	SW6010	
Cobalt	10.3	0.34	0.34	mg/Kg	02/06/15	LK	SW6010	
Chromium	35.2	0.34	0.34	mg/Kg	02/06/15	LK	SW6010	
Copper	54.9	0.34	0.34	mg/kg	02/06/15	LK	SW6010	
Iron	19300	51	34	mg/Kg	02/06/15	LK	SW6010	B
Mercury	0.04	0.03	0.02	mg/Kg	02/06/15	RS	SW-7471	
Potassium	2060	5.1	2.7	mg/Kg	02/06/15	LK	SW6010	
Magnesium	6170	51	34	mg/Kg	02/06/15	LK	SW6010	
Manganese	206	3.4	3.4	mg/Kg	02/06/15	LK	SW6010	
Sodium	945	5.1	2.9	mg/Kg	02/06/15	LK	SW6010	
Nickel	21.5	0.34	0.34	mg/Kg	02/06/15	LK	SW6010	B
Lead	33.0	0.34	0.34	mg/Kg	02/06/15	LK	SW6010	
Antimony	< 3.4	3.4	1.7	mg/Kg	02/06/15	LK	SW6010	
Selenium	< 1.4	1.4	1.2	mg/Kg	02/06/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/06/15	EK	SW6010	
TCLP Barium	0.53	0.10	0.010	mg/L	02/06/15	EK	SW6010	B
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/06/15	EK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/06/15	RS	SW7470	
TCLP Lead	< 0.10	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/06/15	EK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 7 COMP

Phoenix I.D.: BH70947

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.1	3.1	1.4	mg/Kg	02/06/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/06/15	I/I	SW3005	
Trivalent Chromium	35.2	0.50		mg/kg	02/10/15	CL	Calculation	
Vanadium	40.5	0.34	0.34	mg/Kg	02/06/15	LK	SW6010	
Zinc	34.0	0.34	0.34	mg/Kg	02/06/15	LK	SW6010	
Percent Solid	93			%	02/05/15	i	SW846	
Corrosivity	Negative			Pos/Neg	02/05/15	DH/KDB	SW846	1
Flash Point	>200	200		degree F	02/06/15	Y	SW1010	
Chromium, Hexavalent	< 0.43	0.43	0.43	mg/Kg	02/10/15 10:46	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/06/15	Y	SW846	1
pH - Soil	11.11	0.10		pH Units	02/05/15 22:00	DH/KDB	4500-H B/9045	1
Reactivity Cyanide	< 5.4	5.4	0.027	mg/Kg	02/06/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/06/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/06/15	EG	SW 846-7.3	1
Redox Potential	82	1.0		mV	02/05/15	DH/KDB	SM2580B	1
Total Cyanide	< 0.54	0.54	0.27	mg/Kg	02/05/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				02/05/15	JC/H	SW3545	
Soil Extraction for Pesticide	Completed				02/05/15	JC	SW3545	
Soil Extraction for SVOA	Completed				02/05/15	JJ/VH	SW3545	
Mercury Digestion	Completed				02/06/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/05/15	P/D	SW8151	
TCLP Digestion Mercury	Completed				02/06/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/06/15	F/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				02/05/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				02/05/15	I	1311	
TCLP Pesticides Extraction	Completed				02/06/15	TL	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/06/15	L	SW3510	
TCLP Extraction Volatiles	Completed				02/05/15	Y	EPA 1311	
Total Metals Digest	Completed				02/05/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				02/05/15	CC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	44	44	ug/Kg	02/07/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	44	44	ug/Kg	02/07/15	BB	SW8151	
2,4-D	ND	44	44	ug/Kg	02/07/15	BB	SW8151	
2,4-DB	ND	440	440	ug/Kg	02/07/15	BB	SW8151	
Dalapon	ND	44	44	ug/Kg	02/07/15	BB	SW8151	
Dicamba	ND	88	88	ug/Kg	02/07/15	BB	SW8151	
Dichloroprop	ND	44	44	ug/Kg	02/07/15	BB	SW8151	
Dinoseb	ND	88	88	ug/Kg	02/07/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	58			%	02/07/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	70	70	ug/Kg	02/06/15	AW	SW 8082	
PCB-1221	ND	70	70	ug/Kg	02/06/15	AW	SW 8082	
PCB-1232	ND	70	70	ug/Kg	02/06/15	AW	SW 8082	
PCB-1242	ND	70	70	ug/Kg	02/06/15	AW	SW 8082	
PCB-1248	ND	70	70	ug/Kg	02/06/15	AW	SW 8082	
PCB-1254	ND	70	70	ug/Kg	02/06/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 7 COMP

Phoenix I.D.: BH70947

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	70	70	ug/Kg	02/06/15	AW	SW 8082
PCB-1262	ND	70	70	ug/Kg	02/06/15	AW	SW 8082
PCB-1268	ND	70	70	ug/Kg	02/06/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	70			%	02/06/15	AW	30 - 150 %
% TCMX	86			%	02/06/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.1	2.1	ug/Kg	02/07/15	CE	SW8081
4,4' -DDE	ND	2.1	2.1	ug/Kg	02/07/15	CE	SW8081
4,4' -DDT	ND	2.1	2.1	ug/Kg	02/07/15	CE	SW8081
a-BHC	ND	7.0	7.0	ug/Kg	02/07/15	CE	SW8081
a-Chlordane	ND	3.5	3.5	ug/Kg	02/07/15	CE	SW8081
Aldrin	ND	3.5	3.5	ug/Kg	02/07/15	CE	SW8081
b-BHC	ND	7.0	7.0	ug/Kg	02/07/15	CE	SW8081
Chlordane	ND	35	35	ug/Kg	02/07/15	CE	SW8081
d-BHC	ND	7.0	7.0	ug/Kg	02/07/15	CE	SW8081
Dieldrin	ND	3.5	3.5	ug/Kg	02/07/15	CE	SW8081
Endosulfan I	ND	7.0	7.0	ug/Kg	02/07/15	CE	SW8081
Endosulfan II	ND	7.0	7.0	ug/Kg	02/07/15	CE	SW8081
Endosulfan sulfate	ND	7.0	7.0	ug/Kg	02/07/15	CE	SW8081
Endrin	ND	7.0	7.0	ug/Kg	02/07/15	CE	SW8081
Endrin aldehyde	ND	7.0	7.0	ug/Kg	02/07/15	CE	SW8081
Endrin ketone	ND	7.0	7.0	ug/Kg	02/07/15	CE	SW8081
g-BHC	ND	1.4	1.4	ug/Kg	02/07/15	CE	SW8081
g-Chlordane	ND	3.5	3.5	ug/Kg	02/07/15	CE	SW8081
Heptachlor	ND	7.0	7.0	ug/Kg	02/07/15	CE	SW8081
Heptachlor epoxide	ND	7.0	7.0	ug/Kg	02/07/15	CE	SW8081
Methoxychlor	ND	35	35	ug/Kg	02/07/15	CE	SW8081
Toxaphene	ND	140	140	ug/Kg	02/07/15	CE	SW8081
QA/QC Surrogates							
% DCBP	70			%	02/07/15	CE	30 - 150 %
% TCMX	80			%	02/07/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
QA/QC Surrogates							
% DCAA	65			%	02/10/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/08/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/08/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/08/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/08/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/08/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/08/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/08/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/08/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/08/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/08/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/08/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/08/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/08/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	93			%	02/08/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	78			%	02/08/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	52	52	mg/Kg	02/07/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	79			%	02/07/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/06/15	MH	SW8260
Benzene	ND	25	25	ug/L	02/06/15	MH	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/06/15	MH	SW8260
Chlorobenzene	ND	25	25	ug/L	02/06/15	MH	SW8260
Chloroform	ND	25	25	ug/L	02/06/15	MH	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/06/15	MH	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
Trichloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
Vinyl chloride	ND	25	25	ug/L	02/06/15	MH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100			%	02/06/15	MH	70 - 130 %
% Bromofluorobenzene	91			%	02/06/15	MH	70 - 130 %
% Dibromofluoromethane	92			%	02/06/15	MH	70 - 130 %
% Toluene-d8	98			%	02/06/15	MH	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	250	110	ug/Kg	02/06/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	02/06/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	360	360	ug/Kg	02/06/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	250	170	ug/Kg	02/06/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	02/06/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	02/06/15	DD	SW 8270
2,4-Dichlorophenol	ND	140	130	ug/Kg	02/06/15	DD	SW 8270
2,4-Dimethylphenol	ND	250	88	ug/Kg	02/06/15	DD	SW 8270
2,4-Dinitrophenol	ND	250	250	ug/Kg	02/06/15	DD	SW 8270
2,4-Dinitrotoluene	ND	140	140	ug/Kg	02/06/15	DD	SW 8270
2,6-Dinitrotoluene	ND	140	110	ug/Kg	02/06/15	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	02/06/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 7 COMP

Phoenix I.D.: BH70947

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		250	100	ug/Kg	02/06/15	DD	SW 8270	
2-Methylnaphthalene	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		250	170	ug/Kg	02/06/15	DD	SW 8270	
2-Nitroaniline	ND		1800	360	ug/Kg	02/06/15	DD	SW 8270	
2-Nitrophenol	ND		250	230	ug/Kg	02/06/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		250	140	ug/Kg	02/06/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		140	170	ug/Kg	02/06/15	DD	SW 8270	
3-Nitroaniline	ND		1800	780	ug/Kg	02/06/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		250	380	ug/Kg	02/06/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		250	100	ug/Kg	02/06/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		250	130	ug/Kg	02/06/15	DD	SW 8270	
4-Chloroaniline	ND		710	170	ug/Kg	02/06/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	
4-Nitroaniline	ND		1800	120	ug/Kg	02/06/15	DD	SW 8270	
4-Nitrophenol	ND		1800	160	ug/Kg	02/06/15	DD	SW 8270	
Acenaphthene	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Acenaphthylene	ND		140	100	ug/Kg	02/06/15	DD	SW 8270	
Acetophenone	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Anthracene	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	
Atrazine	ND		140	160	ug/Kg	02/06/15	DD	SW 8270	
Benz(a)anthracene	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	
Benzaldehyde	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Benzidine	ND		530	530	ug/Kg	02/06/15	DD	SW 8270	
Benzo(a)pyrene	ND		140	120	ug/Kg	02/06/15	DD	SW 8270	
Benzo(b)fluoranthene	170	J	250	120	ug/Kg	02/06/15	DD	SW 8270	
Benzo(ghi)perylene	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	
Benzo(k)fluoranthene	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	
Benzyl Alcohol	ND		360	360	ug/Kg	02/06/15	DD	SW 8270	
Benzyl butyl phthalate	ND		250	92	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		250	98	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		140	96	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		250	99	ug/Kg	02/06/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		250	100	ug/Kg	02/06/15	DD	SW 8270	
Caprolactam	ND		250	640	ug/Kg	02/06/15	DD	SW 8270	
Carbazole	ND		1800	270	ug/Kg	02/06/15	DD	SW 8270	
Chrysene	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		140	120	ug/Kg	02/06/15	DD	SW 8270	
Dibenzofuran	ND		250	100	ug/Kg	02/06/15	DD	SW 8270	
Diethyl phthalate	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Dimethylphthalate	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Di-n-butylphthalate	ND		250	95	ug/Kg	02/06/15	DD	SW 8270	
Di-n-octylphthalate	ND		250	92	ug/Kg	02/06/15	DD	SW 8270	
Fluoranthene	200	J	250	120	ug/Kg	02/06/15	DD	SW 8270	
Fluorene	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorobenzene	ND		140	100	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorobutadiene	ND		250	130	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Hexachloroethane	ND		140	110	ug/Kg	02/06/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 7 COMP

Phoenix I.D.: BH70947

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND		140	100	ug/Kg	02/06/15	DD	SW 8270	
Naphthalene	ND		250	100	ug/Kg	02/06/15	DD	SW 8270	
Nitrobenzene	ND		140	120	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodimethylamine	ND		250	100	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		140	120	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND		140	140	ug/Kg	02/06/15	DD	SW 8270	
Pentachlorophenol	ND		250	130	ug/Kg	02/06/15	DD	SW 8270	
Phenanthrene	130	J	140	100	ug/Kg	02/06/15	DD	SW 8270	
Phenol	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Pyrene	160	J	250	120	ug/Kg	02/06/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	62				%	02/06/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	92				%	02/06/15	DD	30 - 130 %	
% 2-Fluorophenol	77				%	02/06/15	DD	30 - 130 %	
% Nitrobenzene-d5	75				%	02/06/15	DD	30 - 130 %	
% Phenol-d5	81				%	02/06/15	DD	30 - 130 %	
% Terphenyl-d14	98				%	02/06/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral									
1,4-Dichlorobenzene	ND		83	83	ug/L	02/08/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND		83	83	ug/L	02/08/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND		83	83	ug/L	02/08/15	DD	SW 8270	
2,4-Dinitrotoluene	ND		83	83	ug/L	02/08/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		83	83	ug/L	02/08/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND		83	83	ug/L	02/08/15	DD	SW 8270	
Hexachlorobenzene	ND		83	83	ug/L	02/08/15	DD	SW 8270	
Hexachlorobutadiene	ND		83	83	ug/L	02/08/15	DD	SW 8270	
Hexachloroethane	ND		83	83	ug/L	02/08/15	DD	SW 8270	
Nitrobenzene	ND		83	83	ug/L	02/08/15	DD	SW 8270	
Pentachlorophenol	ND		83	83	ug/L	02/08/15	DD	SW 8270	
Pyridine	ND		83	83	ug/L	02/08/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	94				%	02/08/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	71				%	02/08/15	DD	30 - 130 %	
% 2-Fluorophenol	57				%	02/08/15	DD	15 - 110 %	
% Nitrobenzene-d5	77				%	02/08/15	DD	30 - 130 %	
% Phenol-d5	49				%	02/08/15	DD	15 - 110 %	
% Terphenyl-d14	98				%	02/08/15	DD	30 - 130 %	
Aniline	ND		330		ug/Kg	02/06/15	DD	SW8270	
Benzoic Acid	ND		330		ug/Kg	02/06/15	DD	SW8270	1
Parathion	ND		360	140	ug/Kg	02/06/15	DD	SW8270	1

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 7 COMP

Phoenix I.D.: BH70947

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

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

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-tir

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This metho no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
February 11, 2015

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 11, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/05/15	7:20
Location Code:	IMPACT	Received by:	SW	02/05/15	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70938
Phoenix ID: BH70948

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 25 1-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/05/15	i	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	4.4	0.88	ug/Kg	02/06/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	4.4	0.88	ug/Kg	02/06/15	JLI	SW8260
1,3-Dichlorobenzene	ND	4.4	0.88	ug/Kg	02/06/15	JLI	SW8260
Naphthalene	ND	4.4	1.2	ug/Kg	02/06/15	JLI	SW8260
n-Butylbenzene	ND	4.4	0.88	ug/Kg	02/06/15	JLI	SW8260
n-Propylbenzene	ND	4.4	0.88	ug/Kg	02/06/15	JLI	SW8260
p-Isopropyltoluene	ND	4.4	0.88	ug/Kg	02/06/15	JLI	SW8260
sec-Butylbenzene	ND	4.4	0.88	ug/Kg	02/06/15	JLI	SW8260
tert-Butylbenzene	ND	4.4	0.88	ug/Kg	02/06/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	97			%	02/06/15	JLI	SW8260
% Bromofluorobenzene	94			%	02/06/15	JLI	SW8260
% Dibromofluoromethane	75			%	02/06/15	JLI	SW8260
% Toluene-d8	88			%	02/06/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	88	88	ug/kg	02/06/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	4.4	0.88	ug/Kg	02/06/15	JLI	SW8260
1,1,1-Trichloroethane	ND	4.4	0.88	ug/Kg	02/06/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	4.4	0.62	ug/Kg	02/06/15	JLI	SW8260
1,1,2-Trichloroethane	ND	4.4	0.43	ug/Kg	02/06/15	JLI	SW8260
1,1-Dichloroethane	ND	4.4	0.87	ug/Kg	02/06/15	JLI	SW8260
1,1-Dichloroethene	ND	4.4	0.96	ug/Kg	02/06/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 25 1-2

Phoenix I.D.: BH70948

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		4.4	0.59	ug/Kg	02/06/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		4.4	0.52	ug/Kg	02/06/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		4.4	1.2	ug/Kg	02/06/15	JLI	SW8260
1,2-Dibromoethane	ND		4.4	1.2	ug/Kg	02/06/15	JLI	SW8260
1,2-Dichlorobenzene	5.1		4.4	0.48	ug/Kg	02/06/15	JLI	SW8260
1,2-Dichloroethane	ND		4.4	0.39	ug/Kg	02/06/15	JLI	SW8260
1,2-Dichloropropane	ND		4.4	0.62	ug/Kg	02/06/15	JLI	SW8260
1,3-Dichlorobenzene	ND		4.4	0.65	ug/Kg	02/06/15	JLI	SW8260
1,4-Dichlorobenzene	1.6	J	4.4	0.70	ug/Kg	02/06/15	JLI	SW8260
2-Hexanone	ND		22	2.0	ug/Kg	02/06/15	JLI	SW8260
4-Methyl-2-pentanone	ND		22	1.0	ug/Kg	02/06/15	JLI	SW8260
Acetone	11	JS	44	4.4	ug/Kg	02/06/15	JLI	SW8260
Acrolein	ND		22	3.5	ug/Kg	02/06/15	JLI	SW8260
Acrylonitrile	ND		8.8	2.5	ug/Kg	02/06/15	JLI	SW8260
Benzene	ND		4.4	0.87	ug/Kg	02/06/15	JLI	SW8260
Bromochloromethane	ND		4.4	0.64	ug/Kg	02/06/15	JLI	SW8260
Bromodichloromethane	ND		4.4	0.55	ug/Kg	02/06/15	JLI	SW8260
Bromoform	ND		4.4	0.62	ug/Kg	02/06/15	JLI	SW8260
Bromomethane	ND		4.4	3.4	ug/Kg	02/06/15	JLI	SW8260
Carbon Disulfide	ND		4.4	0.71	ug/Kg	02/06/15	JLI	SW8260
Carbon tetrachloride	ND		4.4	0.51	ug/Kg	02/06/15	JLI	SW8260
Chlorobenzene	ND		4.4	0.65	ug/Kg	02/06/15	JLI	SW8260
Chloroethane	ND		4.4	1.0	ug/Kg	02/06/15	JLI	SW8260
Chloroform	ND		4.4	0.80	ug/Kg	02/06/15	JLI	SW8260
Chloromethane	ND		4.4	2.3	ug/Kg	02/06/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		4.4	0.96	ug/Kg	02/06/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		4.4	0.48	ug/Kg	02/06/15	JLI	SW8260
Cyclohexane	ND		4.4	4.4	ug/Kg	02/06/15	JLI	SW8260
Dibromochloromethane	ND		4.4	0.49	ug/Kg	02/06/15	JLI	SW8260
Dichlorodifluoromethane	ND		4.4	1.2	ug/Kg	02/06/15	JLI	SW8260
Ethylbenzene	ND		4.4	0.80	ug/Kg	02/06/15	JLI	SW8260
Isopropylbenzene	ND		4.4	0.84	ug/Kg	02/06/15	JLI	SW8260
m&p-Xylene	ND		4.4	1.7	ug/Kg	02/06/15	JLI	SW8260
Methyl ethyl ketone	ND		26	3.8	ug/Kg	02/06/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		8.8	1.2	ug/Kg	02/06/15	JLI	SW8260
Methylacetate	ND		4.4	4.4	ug/Kg	02/06/15	JLI	SW8260
Methylcyclohexane	ND		4.4	4.4	ug/Kg	02/06/15	JLI	SW8260
Methylene chloride	1.3	JS	4.4	0.72	ug/Kg	02/06/15	JLI	SW8260
o-Xylene	ND		4.4	1.7	ug/Kg	02/06/15	JLI	SW8260
Styrene	ND		4.4	1.3	ug/Kg	02/06/15	JLI	SW8260
tert-butyl alcohol	ND		88	88	ug/Kg	02/06/15	JLI	SW8260
Tetrachloroethene	ND		4.4	0.92	ug/Kg	02/06/15	JLI	SW8260
Toluene	ND		4.4	0.70	ug/Kg	02/06/15	JLI	SW8260
Total Xylenes	ND		4.4	4.4	ug/Kg	02/06/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		4.4	0.88	ug/Kg	02/06/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		4.4	0.90	ug/Kg	02/06/15	JLI	SW8260
Trichloroethene	ND		4.4	0.93	ug/Kg	02/06/15	JLI	SW8260
Trichlorofluoromethane	ND		4.4	0.98	ug/Kg	02/06/15	JLI	SW8260
Trichlorotrifluoroethane	ND		4.4	0.69	ug/Kg	02/06/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 25 1-2

Phoenix I.D.: BH70948

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	4.4	1.4	ug/Kg	02/06/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	97			%	02/06/15	JLI	70 - 130 %	
% Bromofluorobenzene	91			%	02/06/15	JLI	70 - 130 %	
% Dibromofluoromethane	76			%	02/06/15	JLI	70 - 130 %	
% Toluene-d8	88			%	02/06/15	JLI	70 - 130 %	
Vinyl Acetate	ND	44	44	ug/Kg	02/06/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

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 11, 2015

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 11, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/05/15	7:20
Location Code:	IMPACT	Received by:	SW	02/05/15	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70938
Phoenix ID: BH70949

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 25 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.39	0.39	0.39	mg/Kg	02/06/15	LK	SW6010	
Aluminum	4900	58	7.8	mg/Kg	02/06/15	LK	SW6010	
Arsenic	3.1	0.8	0.78	mg/Kg	02/06/15	LK	SW6010	
Barium	53.5	0.39	0.39	mg/Kg	02/06/15	LK	SW6010	
Beryllium	< 0.31	0.31	0.16	mg/Kg	02/06/15	LK	SW6010	
Calcium	20200	58	36	mg/Kg	02/06/15	LK	SW6010	
Cadmium	5.41	0.39	0.16	mg/Kg	02/06/15	LK	SW6010	
Cobalt	3.55	0.39	0.39	mg/Kg	02/06/15	LK	SW6010	
Chromium	24.4	0.39	0.39	mg/Kg	02/06/15	LK	SW6010	
Copper	29.6	0.39	0.39	mg/kg	02/06/15	LK	SW6010	
Iron	10200	58	39	mg/Kg	02/06/15	LK	SW6010	B
Mercury	0.21	0.03	0.02	mg/Kg	02/06/15	RS	SW-7471	
Potassium	803	5.8	3.0	mg/Kg	02/06/15	LK	SW6010	
Magnesium	3160	5.8	3.9	mg/Kg	02/06/15	LK	SW6010	
Manganese	148	0.39	0.39	mg/Kg	02/06/15	LK	SW6010	
Sodium	303	5.8	3.3	mg/Kg	02/06/15	LK	SW6010	
Nickel	16.2	0.39	0.39	mg/Kg	02/06/15	LK	SW6010	B
Lead	238	3.9	3.9	mg/Kg	02/06/15	LK	SW6010	
Antimony	< 3.9	3.9	1.9	mg/Kg	02/06/15	LK	SW6010	
Selenium	< 1.6	1.6	1.3	mg/Kg	02/06/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/06/15	EK	SW6010	
TCLP Barium	0.58	0.10	0.010	mg/L	02/06/15	EK	SW6010	B
TCLP Cadmium	0.137	0.050	0.0050	mg/L	02/06/15	LK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/06/15	RS	SW7470	
TCLP Lead	0.39	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/06/15	EK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 25 COMP

Phoenix I.D.: BH70949

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.5	3.5	1.6	mg/Kg	02/06/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/06/15	I/I	SW3005	
Trivalent Chromium	23.4	0.50		mg/kg	02/10/15	CL	Calculation	
Vanadium	16.1	0.39	0.39	mg/Kg	02/06/15	LK	SW6010	
Zinc	495	3.9	3.9	mg/Kg	02/06/15	LK	SW6010	
Percent Solid	86			%	02/05/15	i	SW846	
Corrosivity	Negative			Pos/Neg	02/05/15	DH/KDB	SW846	1
Flash Point	>200	200		degree F	02/06/15	Y	SW1010	
Chromium, Hexavalent	0.980	0.47	0.47	mg/Kg	02/10/15 10:46	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/06/15	Y	SW846	1
pH - Soil	11.94	0.10		pH Units	02/05/15 22:00	DH/KDB	4500-H B/9045	1
Reactivity Cyanide	< 5.8	5.8	0.029	mg/Kg	02/06/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/06/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/06/15	EG	SW 846-7.3	1
Redox Potential	11	1.0		mV	02/05/15	DH/KDB	SM2580B	1
Total Cyanide	< 0.53	0.53	0.26	mg/Kg	02/05/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				02/05/15	JC/H	SW3545	
Soil Extraction for Pesticide	Completed				02/05/15	JC	SW3545	
Soil Extraction for SVOA	Completed				02/05/15	JJ/VH	SW3545	
Mercury Digestion	Completed				02/06/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/05/15	P/D	SW8151	
TCLP Digestion Mercury	Completed				02/06/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/06/15	F/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				02/05/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				02/05/15	I	1311	
TCLP Pesticides Extraction	Completed				02/06/15	TL	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/06/15	L	SW3510	
TCLP Extraction Volatiles	Completed				02/05/15	Y	EPA 1311	
Total Metals Digest	Completed				02/05/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				02/05/15	CC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	48	48	ug/Kg	02/07/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	48	48	ug/Kg	02/07/15	BB	SW8151	
2,4-D	ND	48	48	ug/Kg	02/07/15	BB	SW8151	
2,4-DB	ND	480	480	ug/Kg	02/07/15	BB	SW8151	
Dalapon	ND	48	48	ug/Kg	02/07/15	BB	SW8151	
Dicamba	ND	96	96	ug/Kg	02/07/15	BB	SW8151	
Dichloroprop	ND	48	48	ug/Kg	02/07/15	BB	SW8151	
Dinoseb	ND	96	96	ug/Kg	02/07/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	50			%	02/07/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	850	76	76	ug/Kg	02/06/15	AW	SW 8082	
PCB-1221	ND	76	76	ug/Kg	02/06/15	AW	SW 8082	
PCB-1232	ND	76	76	ug/Kg	02/06/15	AW	SW 8082	
PCB-1242	ND	76	76	ug/Kg	02/06/15	AW	SW 8082	
PCB-1248	ND	76	76	ug/Kg	02/06/15	AW	SW 8082	
PCB-1254	ND	76	76	ug/Kg	02/06/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 25 COMP

Phoenix I.D.: BH70949

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	76	76	ug/Kg	02/06/15	AW	SW 8082
PCB-1262	ND	76	76	ug/Kg	02/06/15	AW	SW 8082
PCB-1268	ND	76	76	ug/Kg	02/06/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	69			%	02/06/15	AW	30 - 150 %
% TCMX	73			%	02/06/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.3	2.3	ug/Kg	02/07/15	CE	SW8081
4,4' -DDE	ND	2.3	2.3	ug/Kg	02/07/15	CE	SW8081
4,4' -DDT	ND	2.3	2.3	ug/Kg	02/07/15	CE	SW8081
a-BHC	ND	7.6	7.6	ug/Kg	02/07/15	CE	SW8081
a-Chlordane	ND	3.8	3.8	ug/Kg	02/07/15	CE	SW8081
Aldrin	ND	3.8	3.8	ug/Kg	02/07/15	CE	SW8081
b-BHC	ND	7.6	7.6	ug/Kg	02/07/15	CE	SW8081
Chlordane	ND	38	38	ug/Kg	02/07/15	CE	SW8081
d-BHC	ND	7.6	7.6	ug/Kg	02/07/15	CE	SW8081
Dieldrin	ND	3.8	3.8	ug/Kg	02/07/15	CE	SW8081
Endosulfan I	ND	7.6	7.6	ug/Kg	02/07/15	CE	SW8081
Endosulfan II	ND	7.6	7.6	ug/Kg	02/07/15	CE	SW8081
Endosulfan sulfate	ND	7.6	7.6	ug/Kg	02/07/15	CE	SW8081
Endrin	ND	7.6	7.6	ug/Kg	02/07/15	CE	SW8081
Endrin aldehyde	ND	7.6	7.6	ug/Kg	02/07/15	CE	SW8081
Endrin ketone	ND	7.6	7.6	ug/Kg	02/07/15	CE	SW8081
g-BHC	ND	10	10	ug/Kg	02/07/15	CE	SW8081
g-Chlordane	ND	3.8	3.8	ug/Kg	02/07/15	CE	SW8081
Heptachlor	ND	7.6	7.6	ug/Kg	02/07/15	CE	SW8081
Heptachlor epoxide	ND	7.6	7.6	ug/Kg	02/07/15	CE	SW8081
Methoxychlor	ND	38	38	ug/Kg	02/07/15	CE	SW8081
Toxaphene	ND	150	150	ug/Kg	02/07/15	CE	SW8081
QA/QC Surrogates							
% DCBP	78			%	02/07/15	CE	30 - 150 %
% TCMX	71			%	02/07/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
QA/QC Surrogates							
% DCAA	80			%	02/10/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/08/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/08/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/08/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/08/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/08/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/08/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/08/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/08/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/08/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/08/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/08/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/08/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/08/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	93			%	02/08/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	82			%	02/08/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	58	58	mg/Kg	02/07/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	84			%	02/07/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/06/15	MH	SW8260
Benzene	ND	25	25	ug/L	02/06/15	MH	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/06/15	MH	SW8260
Chlorobenzene	ND	25	25	ug/L	02/06/15	MH	SW8260
Chloroform	ND	25	25	ug/L	02/06/15	MH	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/06/15	MH	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
Trichloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
Vinyl chloride	ND	25	25	ug/L	02/06/15	MH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	103			%	02/06/15	MH	70 - 130 %
% Bromofluorobenzene	93			%	02/06/15	MH	70 - 130 %
% Dibromofluoromethane	95			%	02/06/15	MH	70 - 130 %
% Toluene-d8	97			%	02/06/15	MH	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	260	120	ug/Kg	02/06/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	02/06/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	380	380	ug/Kg	02/06/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	260	180	ug/Kg	02/06/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	210	ug/Kg	02/06/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	02/06/15	DD	SW 8270
2,4-Dichlorophenol	ND	150	130	ug/Kg	02/06/15	DD	SW 8270
2,4-Dimethylphenol	ND	260	94	ug/Kg	02/06/15	DD	SW 8270
2,4-Dinitrophenol	ND	260	260	ug/Kg	02/06/15	DD	SW 8270
2,4-Dinitrotoluene	ND	150	150	ug/Kg	02/06/15	DD	SW 8270
2,6-Dinitrotoluene	ND	150	120	ug/Kg	02/06/15	DD	SW 8270
2-Chloronaphthalene	ND	260	110	ug/Kg	02/06/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 25 COMP

Phoenix I.D.: BH70949

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		260	110	ug/Kg	02/06/15	DD	SW 8270	
2-Methylnaphthalene	ND		260	110	ug/Kg	02/06/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		260	180	ug/Kg	02/06/15	DD	SW 8270	
2-Nitroaniline	ND		1900	380	ug/Kg	02/06/15	DD	SW 8270	
2-Nitrophenol	ND		260	240	ug/Kg	02/06/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		260	150	ug/Kg	02/06/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		150	180	ug/Kg	02/06/15	DD	SW 8270	
3-Nitroaniline	ND		1900	820	ug/Kg	02/06/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		260	410	ug/Kg	02/06/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		260	110	ug/Kg	02/06/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		260	130	ug/Kg	02/06/15	DD	SW 8270	
4-Chloroaniline	ND		750	180	ug/Kg	02/06/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		260	130	ug/Kg	02/06/15	DD	SW 8270	
4-Nitroaniline	ND		1900	130	ug/Kg	02/06/15	DD	SW 8270	
4-Nitrophenol	ND		1900	170	ug/Kg	02/06/15	DD	SW 8270	
Acenaphthene	180	J	260	110	ug/Kg	02/06/15	DD	SW 8270	
Acenaphthylene	ND		150	110	ug/Kg	02/06/15	DD	SW 8270	
Acetophenone	ND		260	120	ug/Kg	02/06/15	DD	SW 8270	
Anthracene	510		260	120	ug/Kg	02/06/15	DD	SW 8270	
Atrazine	ND		150	170	ug/Kg	02/06/15	DD	SW 8270	
Benz(a)anthracene	1200		260	130	ug/Kg	02/06/15	DD	SW 8270	
Benzaldehyde	ND		260	110	ug/Kg	02/06/15	DD	SW 8270	
Benzidine	ND		570	570	ug/Kg	02/06/15	DD	SW 8270	
Benzo(a)pyrene	950		150	120	ug/Kg	02/06/15	DD	SW 8270	
Benzo(b)fluoranthene	1600		260	130	ug/Kg	02/06/15	DD	SW 8270	
Benzo(ghi)perylene	220	J	260	120	ug/Kg	02/06/15	DD	SW 8270	
Benzo(k)fluoranthene	590		260	130	ug/Kg	02/06/15	DD	SW 8270	
Benzyl Alcohol	ND		380	380	ug/Kg	02/06/15	DD	SW 8270	
Benzyl butyl phthalate	ND		260	97	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		260	100	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		150	100	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		260	100	ug/Kg	02/06/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	120	J	260	110	ug/Kg	02/06/15	DD	SW 8270	
Caprolactam	ND		260	670	ug/Kg	02/06/15	DD	SW 8270	
Carbazole	350	J	1900	290	ug/Kg	02/06/15	DD	SW 8270	
Chrysene	1100		260	130	ug/Kg	02/06/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		150	120	ug/Kg	02/06/15	DD	SW 8270	
Dibenzofuran	ND		260	110	ug/Kg	02/06/15	DD	SW 8270	
Diethyl phthalate	ND		260	120	ug/Kg	02/06/15	DD	SW 8270	
Dimethylphthalate	ND		260	120	ug/Kg	02/06/15	DD	SW 8270	
Di-n-butylphthalate	ND		260	100	ug/Kg	02/06/15	DD	SW 8270	
Di-n-octylphthalate	ND		260	97	ug/Kg	02/06/15	DD	SW 8270	
Fluoranthene	2100		260	120	ug/Kg	02/06/15	DD	SW 8270	
Fluorene	190	J	260	120	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorobenzene	ND		150	110	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorobutadiene	ND		260	140	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		260	120	ug/Kg	02/06/15	DD	SW 8270	
Hexachloroethane	ND		150	110	ug/Kg	02/06/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	210	J	260	130	ug/Kg	02/06/15	DD	SW 8270	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 25 COMP

Phoenix I.D.: BH70949

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND	150	110	ug/Kg	02/06/15	DD	SW 8270	
Naphthalene	ND	260	110	ug/Kg	02/06/15	DD	SW 8270	
Nitrobenzene	ND	150	130	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodimethylamine	ND	260	110	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	150	120	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND	150	140	ug/Kg	02/06/15	DD	SW 8270	
Pentachlorophenol	ND	260	140	ug/Kg	02/06/15	DD	SW 8270	
Phenanthrene	1800	150	110	ug/Kg	02/06/15	DD	SW 8270	
Phenol	ND	260	120	ug/Kg	02/06/15	DD	SW 8270	
Pyrene	2100	260	130	ug/Kg	02/06/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	52			%	02/06/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	84			%	02/06/15	DD	30 - 130 %	
% 2-Fluorophenol	72			%	02/06/15	DD	30 - 130 %	
% Nitrobenzene-d5	77			%	02/06/15	DD	30 - 130 %	
% Phenol-d5	83			%	02/06/15	DD	30 - 130 %	
% Terphenyl-d14	94			%	02/06/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral								
1,4-Dichlorobenzene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND	83	83	ug/L	02/08/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND	83	83	ug/L	02/08/15	DD	SW 8270	
2,4-Dinitrotoluene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	83	83	ug/L	02/08/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Hexachlorobenzene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Hexachlorobutadiene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Hexachloroethane	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Nitrobenzene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Pentachlorophenol	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Pyridine	ND	83	83	ug/L	02/08/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	95			%	02/08/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	71			%	02/08/15	DD	30 - 130 %	
% 2-Fluorophenol	53			%	02/08/15	DD	15 - 110 %	
% Nitrobenzene-d5	76			%	02/08/15	DD	30 - 130 %	
% Phenol-d5	47			%	02/08/15	DD	15 - 110 %	
% Terphenyl-d14	96			%	02/08/15	DD	30 - 130 %	
Aniline	ND	330		ug/Kg	02/06/15	DD	SW8270	
Benzoic Acid	ND	330		ug/Kg	02/06/15	DD	SW8270	1
Parathion	ND	380	150	ug/Kg	02/06/15	DD	SW8270	1

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 25 COMP

Phoenix I.D.: BH70949

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

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

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-tir

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This metho no longer listed in the current version of SW-846.

Pesticide Comment:
Due to matrix interference caused by the presence of PCBs in the sample, an elevated RL was reported.

Hexavalent Chromium:
This sample is in a reducing state.

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

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

Phyllis Shiller, Laboratory Director
February 11, 2015

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 11, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/05/15	7:40
Location Code:	IMPACT	Received by:	SW	02/05/15	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70938
Phoenix ID: BH70950

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 39 2-3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/05/15	i	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	3.0	0.60	ug/Kg	02/06/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	3.0	0.60	ug/Kg	02/06/15	JLI	SW8260
1,3-Dichlorobenzene	ND	3.0	0.60	ug/Kg	02/06/15	JLI	SW8260
Naphthalene	ND	3.0	0.80	ug/Kg	02/06/15	JLI	SW8260
n-Butylbenzene	ND	3.0	0.60	ug/Kg	02/06/15	JLI	SW8260
n-Propylbenzene	ND	3.0	0.60	ug/Kg	02/06/15	JLI	SW8260
p-Isopropyltoluene	ND	3.0	0.60	ug/Kg	02/06/15	JLI	SW8260
sec-Butylbenzene	ND	3.0	0.60	ug/Kg	02/06/15	JLI	SW8260
tert-Butylbenzene	ND	3.0	0.60	ug/Kg	02/06/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	115			%	02/06/15	JLI	SW8260
% Bromofluorobenzene	83			%	02/06/15	JLI	SW8260
% Dibromofluoromethane	103			%	02/06/15	JLI	SW8260
% Toluene-d8	89			%	02/06/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	60	60	ug/kg	02/06/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	3.0	0.60	ug/Kg	02/06/15	JLI	SW8260
1,1,1-Trichloroethane	ND	3.0	0.60	ug/Kg	02/06/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	3.0	0.43	ug/Kg	02/06/15	JLI	SW8260
1,1,2-Trichloroethane	ND	3.0	0.29	ug/Kg	02/06/15	JLI	SW8260
1,1-Dichloroethane	ND	3.0	0.59	ug/Kg	02/06/15	JLI	SW8260
1,1-Dichloroethene	ND	3.0	0.65	ug/Kg	02/06/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 39 2-3

Phoenix I.D.: BH70950

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		3.0	0.40	ug/Kg	02/06/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		3.0	0.35	ug/Kg	02/06/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		3.0	0.80	ug/Kg	02/06/15	JLI	SW8260
1,2-Dibromoethane	ND		3.0	0.80	ug/Kg	02/06/15	JLI	SW8260
1,2-Dichlorobenzene	ND		3.0	0.33	ug/Kg	02/06/15	JLI	SW8260
1,2-Dichloroethane	ND		3.0	0.26	ug/Kg	02/06/15	JLI	SW8260
1,2-Dichloropropane	ND		3.0	0.43	ug/Kg	02/06/15	JLI	SW8260
1,3-Dichlorobenzene	ND		3.0	0.44	ug/Kg	02/06/15	JLI	SW8260
1,4-Dichlorobenzene	ND		3.0	0.47	ug/Kg	02/06/15	JLI	SW8260
2-Hexanone	ND		15	1.4	ug/Kg	02/06/15	JLI	SW8260
4-Methyl-2-pentanone	ND		15	0.71	ug/Kg	02/06/15	JLI	SW8260
Acetone	ND		30	3.0	ug/Kg	02/06/15	JLI	SW8260
Acrolein	ND		15	2.4	ug/Kg	02/06/15	JLI	SW8260
Acrylonitrile	ND		6.0	1.7	ug/Kg	02/06/15	JLI	SW8260
Benzene	ND		3.0	0.59	ug/Kg	02/06/15	JLI	SW8260
Bromochloromethane	ND		3.0	0.44	ug/Kg	02/06/15	JLI	SW8260
Bromodichloromethane	ND		3.0	0.37	ug/Kg	02/06/15	JLI	SW8260
Bromoform	ND		3.0	0.42	ug/Kg	02/06/15	JLI	SW8260
Bromomethane	ND		3.0	2.3	ug/Kg	02/06/15	JLI	SW8260
Carbon Disulfide	ND		3.0	0.49	ug/Kg	02/06/15	JLI	SW8260
Carbon tetrachloride	ND		3.0	0.35	ug/Kg	02/06/15	JLI	SW8260
Chlorobenzene	ND		3.0	0.44	ug/Kg	02/06/15	JLI	SW8260
Chloroethane	ND		3.0	0.70	ug/Kg	02/06/15	JLI	SW8260
Chloroform	ND		3.0	0.55	ug/Kg	02/06/15	JLI	SW8260
Chloromethane	ND		3.0	1.6	ug/Kg	02/06/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		3.0	0.65	ug/Kg	02/06/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		3.0	0.32	ug/Kg	02/06/15	JLI	SW8260
Cyclohexane	ND		3.0	3.0	ug/Kg	02/06/15	JLI	SW8260
Dibromochloromethane	ND		3.0	0.34	ug/Kg	02/06/15	JLI	SW8260
Dichlorodifluoromethane	ND		3.0	0.80	ug/Kg	02/06/15	JLI	SW8260
Ethylbenzene	ND		3.0	0.55	ug/Kg	02/06/15	JLI	SW8260
Isopropylbenzene	ND		3.0	0.58	ug/Kg	02/06/15	JLI	SW8260
m&p-Xylene	ND		3.0	1.2	ug/Kg	02/06/15	JLI	SW8260
Methyl ethyl ketone	ND		18	2.6	ug/Kg	02/06/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		6.0	0.83	ug/Kg	02/06/15	JLI	SW8260
Methylacetate	ND		3.0	3.0	ug/Kg	02/06/15	JLI	SW8260
Methylcyclohexane	ND		3.0	3.0	ug/Kg	02/06/15	JLI	SW8260
Methylene chloride	0.76	JS	3.0	0.49	ug/Kg	02/06/15	JLI	SW8260
o-Xylene	ND		3.0	1.1	ug/Kg	02/06/15	JLI	SW8260
Styrene	ND		3.0	0.86	ug/Kg	02/06/15	JLI	SW8260
tert-butyl alcohol	ND		60	60	ug/Kg	02/06/15	JLI	SW8260
Tetrachloroethene	ND		3.0	0.63	ug/Kg	02/06/15	JLI	SW8260
Toluene	ND		3.0	0.47	ug/Kg	02/06/15	JLI	SW8260
Total Xylenes	ND		3.0	3.0	ug/Kg	02/06/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		3.0	0.60	ug/Kg	02/06/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		3.0	0.61	ug/Kg	02/06/15	JLI	SW8260
Trichloroethene	ND		3.0	0.64	ug/Kg	02/06/15	JLI	SW8260
Trichlorofluoromethane	ND		3.0	0.67	ug/Kg	02/06/15	JLI	SW8260
Trichlorotrifluoroethane	ND		3.0	0.47	ug/Kg	02/06/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 39 2-3

Phoenix I.D.: BH70950

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	3.0	0.97	ug/Kg	02/06/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	116			%	02/06/15	JLI	70 - 130 %	
% Bromofluorobenzene	80			%	02/06/15	JLI	70 - 130 %	
% Dibromofluoromethane	103			%	02/06/15	JLI	70 - 130 %	
% Toluene-d8	89			%	02/06/15	JLI	70 - 130 %	
Vinyl Acetate	ND	30	30	ug/Kg	02/06/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

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 11, 2015

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

NY # 11301

Analysis Report

February 11, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/05/15	7:40
Location Code:	IMPACT	Received by:	SW	02/05/15	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70938
Phoenix ID: BH70951

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 39 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 1.0	1.0	0.39	mg/Kg	02/06/15	LK	SW6010	
Aluminum	10100	58	7.8	mg/Kg	02/06/15	LK	SW6010	
Arsenic	4.5	0.8	0.78	mg/Kg	02/06/15	LK	SW6010	
Barium	96.1	0.39	0.39	mg/Kg	02/06/15	LK	SW6010	
Beryllium	0.35	0.31	0.16	mg/Kg	02/06/15	LK	SW6010	
Calcium	35200	58	36	mg/Kg	02/06/15	LK	SW6010	
Cadmium	20.6	0.39	0.16	mg/Kg	02/06/15	LK	SW6010	
Cobalt	4.65	0.39	0.39	mg/Kg	02/06/15	LK	SW6010	
Chromium	58.9	0.39	0.39	mg/Kg	02/06/15	LK	SW6010	
Copper	59.9	0.39	0.39	mg/kg	02/06/15	LK	SW6010	
Iron	15400	58	39	mg/Kg	02/06/15	LK	SW6010	B
Mercury	0.40	0.03	0.02	mg/Kg	02/06/15	RS	SW-7471	
Potassium	1150	5.8	3.0	mg/Kg	02/06/15	LK	SW6010	
Magnesium	3180	5.8	3.9	mg/Kg	02/06/15	LK	SW6010	
Manganese	217	3.9	3.9	mg/Kg	02/06/15	LK	SW6010	
Sodium	556	5.8	3.3	mg/Kg	02/06/15	LK	SW6010	
Nickel	23.1	0.39	0.39	mg/Kg	02/06/15	LK	SW6010	B
Lead	712	3.9	3.9	mg/Kg	02/06/15	LK	SW6010	
Antimony	< 10	10	1.9	mg/Kg	02/06/15	LK	SW6010	
Selenium	< 1.6	1.6	1.3	mg/Kg	02/06/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/06/15	EK	SW6010	
TCLP Barium	0.35	0.10	0.010	mg/L	02/06/15	EK	SW6010	B
TCLP Cadmium	0.190	0.050	0.0050	mg/L	02/06/15	LK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/06/15	RS	SW7470	
TCLP Lead	0.14	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/06/15	EK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 39 COMP

Phoenix I.D.: BH70951

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.5	3.5	1.6	mg/Kg	02/06/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/06/15	I/I	SW3005	
Trivalent Chromium	57.8	0.50		mg/kg	02/10/15	CL	Calculation	
Vanadium	25.0	0.39	0.39	mg/Kg	02/06/15	LK	SW6010	
Zinc	840	3.9	3.9	mg/Kg	02/06/15	LK	SW6010	
Percent Solid	87			%	02/05/15	i	SW846	
Corrosivity	Negative			Pos/Neg	02/05/15	DH/KDB	SW846	1
Flash Point	>200	200		degree F	02/06/15	Y	SW1010	
Chromium, Hexavalent	1.14	0.46	0.46	mg/Kg	02/10/15 10:46	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/06/15	Y	SW846	1
pH - Soil	11.20	0.10		pH Units	02/05/15 22:00	DH/KDB	4500-H B/9045	1
Reactivity Cyanide	< 5.6	5.6	0.028	mg/Kg	02/06/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/06/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/06/15	EG	SW 846-7.3	1
Redox Potential	23	1.0		mV	02/05/15	DH/KDB	SM2580B	1
Total Cyanide	< 0.57	0.57	0.29	mg/Kg	02/05/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				02/05/15	JC/H	SW3545	
Soil Extraction for Pesticide	Completed				02/05/15	JC	SW3545	
Soil Extraction for SVOA	Completed				02/05/15	JJ/VH	SW3545	
Mercury Digestion	Completed				02/06/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/05/15	P/D	SW8151	
TCLP Digestion Mercury	Completed				02/06/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/06/15	F/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				02/05/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				02/05/15	I	1311	
TCLP Pesticides Extraction	Completed				02/06/15	TL	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/06/15	L	SW3510	
TCLP Extraction Volatiles	Completed				02/05/15	Y	EPA 1311	
Total Metals Digest	Completed				02/05/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				02/05/15	CC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	48	48	ug/Kg	02/07/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	48	48	ug/Kg	02/07/15	BB	SW8151	
2,4-D	ND	48	48	ug/Kg	02/07/15	BB	SW8151	
2,4-DB	ND	480	480	ug/Kg	02/07/15	BB	SW8151	
Dalapon	ND	48	48	ug/Kg	02/07/15	BB	SW8151	
Dicamba	ND	96	96	ug/Kg	02/07/15	BB	SW8151	
Dichloroprop	ND	48	48	ug/Kg	02/07/15	BB	SW8151	
Dinoseb	ND	96	96	ug/Kg	02/07/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	50			%	02/07/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	870	75	75	ug/Kg	02/06/15	AW	SW 8082	
PCB-1221	ND	75	75	ug/Kg	02/06/15	AW	SW 8082	
PCB-1232	ND	75	75	ug/Kg	02/06/15	AW	SW 8082	
PCB-1242	ND	75	75	ug/Kg	02/06/15	AW	SW 8082	
PCB-1248	ND	75	75	ug/Kg	02/06/15	AW	SW 8082	
PCB-1254	ND	75	75	ug/Kg	02/06/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 39 COMP

Phoenix I.D.: BH70951

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	75	75	ug/Kg	02/06/15	AW	SW 8082
PCB-1262	ND	75	75	ug/Kg	02/06/15	AW	SW 8082
PCB-1268	ND	75	75	ug/Kg	02/06/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	79			%	02/06/15	AW	30 - 150 %
% TCMX	78			%	02/06/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.3	2.3	ug/Kg	02/07/15	CE	SW8081
4,4' -DDE	ND	2.3	2.3	ug/Kg	02/07/15	CE	SW8081
4,4' -DDT	ND	2.3	2.3	ug/Kg	02/07/15	CE	SW8081
a-BHC	ND	7.5	7.5	ug/Kg	02/07/15	CE	SW8081
a-Chlordane	ND	3.8	3.8	ug/Kg	02/07/15	CE	SW8081
Aldrin	ND	3.8	3.8	ug/Kg	02/07/15	CE	SW8081
b-BHC	ND	7.5	7.5	ug/Kg	02/07/15	CE	SW8081
Chlordane	ND	38	38	ug/Kg	02/07/15	CE	SW8081
d-BHC	ND	7.5	7.5	ug/Kg	02/07/15	CE	SW8081
Dieldrin	ND	3.8	3.8	ug/Kg	02/07/15	CE	SW8081
Endosulfan I	ND	7.5	7.5	ug/Kg	02/07/15	CE	SW8081
Endosulfan II	ND	7.5	7.5	ug/Kg	02/07/15	CE	SW8081
Endosulfan sulfate	ND	7.5	7.5	ug/Kg	02/07/15	CE	SW8081
Endrin	ND	7.5	7.5	ug/Kg	02/07/15	CE	SW8081
Endrin aldehyde	ND	7.5	7.5	ug/Kg	02/07/15	CE	SW8081
Endrin ketone	ND	7.5	7.5	ug/Kg	02/07/15	CE	SW8081
g-BHC	ND	10	10	ug/Kg	02/07/15	CE	SW8081
g-Chlordane	ND	3.8	3.8	ug/Kg	02/07/15	CE	SW8081
Heptachlor	ND	7.5	7.5	ug/Kg	02/07/15	CE	SW8081
Heptachlor epoxide	ND	7.5	7.5	ug/Kg	02/07/15	CE	SW8081
Methoxychlor	ND	38	38	ug/Kg	02/07/15	CE	SW8081
Toxaphene	ND	150	150	ug/Kg	02/07/15	CE	SW8081
QA/QC Surrogates							
% DCBP	55			%	02/07/15	CE	30 - 150 %
% TCMX	65			%	02/07/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
QA/QC Surrogates							
% DCAA	66			%	02/10/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/08/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/08/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/08/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/08/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/08/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/08/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/08/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/08/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/08/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/08/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/08/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/08/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/08/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	89			%	02/08/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	79			%	02/08/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	75	57	57	mg/Kg	02/07/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	84			%	02/07/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/06/15	MH	SW8260
Benzene	ND	25	25	ug/L	02/06/15	MH	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/06/15	MH	SW8260
Chlorobenzene	ND	25	25	ug/L	02/06/15	MH	SW8260
Chloroform	ND	25	25	ug/L	02/06/15	MH	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/06/15	MH	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
Trichloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
Vinyl chloride	ND	25	25	ug/L	02/06/15	MH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100			%	02/06/15	MH	70 - 130 %
% Bromofluorobenzene	96			%	02/06/15	MH	70 - 130 %
% Dibromofluoromethane	89			%	02/06/15	MH	70 - 130 %
% Toluene-d8	98			%	02/06/15	MH	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	260	110	ug/Kg	02/06/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	02/06/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	370	370	ug/Kg	02/06/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	260	170	ug/Kg	02/06/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	02/06/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	02/06/15	DD	SW 8270
2,4-Dichlorophenol	ND	150	130	ug/Kg	02/06/15	DD	SW 8270
2,4-Dimethylphenol	ND	260	93	ug/Kg	02/06/15	DD	SW 8270
2,4-Dinitrophenol	ND	260	260	ug/Kg	02/06/15	DD	SW 8270
2,4-Dinitrotoluene	ND	150	150	ug/Kg	02/06/15	DD	SW 8270
2,6-Dinitrotoluene	ND	150	120	ug/Kg	02/06/15	DD	SW 8270
2-Chloronaphthalene	ND	260	110	ug/Kg	02/06/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 39 COMP

Phoenix I.D.: BH70951

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		260	110	ug/Kg	02/06/15	DD	SW 8270	
2-Methylnaphthalene	ND		260	110	ug/Kg	02/06/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		260	180	ug/Kg	02/06/15	DD	SW 8270	
2-Nitroaniline	ND		1900	380	ug/Kg	02/06/15	DD	SW 8270	
2-Nitrophenol	ND		260	240	ug/Kg	02/06/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		260	150	ug/Kg	02/06/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		150	180	ug/Kg	02/06/15	DD	SW 8270	
3-Nitroaniline	ND		1900	810	ug/Kg	02/06/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		260	400	ug/Kg	02/06/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		260	110	ug/Kg	02/06/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		260	130	ug/Kg	02/06/15	DD	SW 8270	
4-Chloroaniline	ND		750	170	ug/Kg	02/06/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		260	130	ug/Kg	02/06/15	DD	SW 8270	
4-Nitroaniline	ND		1900	120	ug/Kg	02/06/15	DD	SW 8270	
4-Nitrophenol	ND		1900	170	ug/Kg	02/06/15	DD	SW 8270	
Acenaphthene	440		260	110	ug/Kg	02/06/15	DD	SW 8270	
Acenaphthylene	ND		150	100	ug/Kg	02/06/15	DD	SW 8270	
Acetophenone	ND		260	120	ug/Kg	02/06/15	DD	SW 8270	
Anthracene	1200		260	120	ug/Kg	02/06/15	DD	SW 8270	
Atrazine	ND		150	170	ug/Kg	02/06/15	DD	SW 8270	
Benz(a)anthracene	3100		260	130	ug/Kg	02/06/15	DD	SW 8270	
Benzaldehyde	ND		260	110	ug/Kg	02/06/15	DD	SW 8270	
Benzidine	ND		560	560	ug/Kg	02/06/15	DD	SW 8270	
Benzo(a)pyrene	2500		150	120	ug/Kg	02/06/15	DD	SW 8270	
Benzo(b)fluoranthene	4200		260	130	ug/Kg	02/06/15	DD	SW 8270	
Benzo(ghi)perylene	640		260	120	ug/Kg	02/06/15	DD	SW 8270	
Benzo(k)fluoranthene	1300		260	120	ug/Kg	02/06/15	DD	SW 8270	
Benzyl Alcohol	ND		370	370	ug/Kg	02/06/15	DD	SW 8270	
Benzyl butyl phthalate	ND		260	96	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		260	100	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		150	100	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		260	100	ug/Kg	02/06/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	940		260	110	ug/Kg	02/06/15	DD	SW 8270	
Caprolactam	ND		260	670	ug/Kg	02/06/15	DD	SW 8270	
Carbazole	820	J	1900	280	ug/Kg	02/06/15	DD	SW 8270	
Chrysene	2800		260	130	ug/Kg	02/06/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		150	120	ug/Kg	02/06/15	DD	SW 8270	
Dibenzofuran	240	J	260	110	ug/Kg	02/06/15	DD	SW 8270	
Diethyl phthalate	ND		260	120	ug/Kg	02/06/15	DD	SW 8270	
Dimethylphthalate	ND		260	120	ug/Kg	02/06/15	DD	SW 8270	
Di-n-butylphthalate	ND		260	99	ug/Kg	02/06/15	DD	SW 8270	
Di-n-octylphthalate	ND		260	96	ug/Kg	02/06/15	DD	SW 8270	
Fluoranthene	5500		1300	610	ug/Kg	02/06/15	DD	SW 8270	
Fluorene	420		260	120	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorobenzene	ND		150	110	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorobutadiene	ND		260	140	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		260	110	ug/Kg	02/06/15	DD	SW 8270	
Hexachloroethane	ND		150	110	ug/Kg	02/06/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	620		260	120	ug/Kg	02/06/15	DD	SW 8270	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 39 COMP

Phoenix I.D.: BH70951

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND	150	100	ug/Kg	02/06/15	DD	SW 8270	
Naphthalene	ND	260	110	ug/Kg	02/06/15	DD	SW 8270	
Nitrobenzene	ND	150	130	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodimethylamine	ND	260	110	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	150	120	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND	150	140	ug/Kg	02/06/15	DD	SW 8270	
Pentachlorophenol	ND	260	140	ug/Kg	02/06/15	DD	SW 8270	
Phenanthrene	4000	150	110	ug/Kg	02/06/15	DD	SW 8270	
Phenol	ND	260	120	ug/Kg	02/06/15	DD	SW 8270	
Pyrene	4900	1300	640	ug/Kg	02/06/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	57			%	02/06/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	90			%	02/06/15	DD	30 - 130 %	
% 2-Fluorophenol	81			%	02/06/15	DD	30 - 130 %	
% Nitrobenzene-d5	80			%	02/06/15	DD	30 - 130 %	
% Phenol-d5	87			%	02/06/15	DD	30 - 130 %	
% Terphenyl-d14	105			%	02/06/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral								
1,4-Dichlorobenzene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND	83	83	ug/L	02/08/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND	83	83	ug/L	02/08/15	DD	SW 8270	
2,4-Dinitrotoluene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	83	83	ug/L	02/08/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Hexachlorobenzene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Hexachlorobutadiene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Hexachloroethane	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Nitrobenzene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Pentachlorophenol	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Pyridine	ND	83	83	ug/L	02/08/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	101			%	02/08/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	81			%	02/08/15	DD	30 - 130 %	
% 2-Fluorophenol	70			%	02/08/15	DD	15 - 110 %	
% Nitrobenzene-d5	90			%	02/08/15	DD	30 - 130 %	
% Phenol-d5	57			%	02/08/15	DD	15 - 110 %	
% Terphenyl-d14	98			%	02/08/15	DD	30 - 130 %	
Aniline	ND	330		ug/Kg	02/06/15	DD	SW8270	
Benzoic Acid	ND	330		ug/Kg	02/06/15	DD	SW8270	1
Parathion	ND	370	150	ug/Kg	02/06/15	DD	SW8270	1

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 39 COMP

Phoenix I.D.: BH70951

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

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

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-tir

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This metho no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
February 11, 2015

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

NY # 11301

Analysis Report

February 11, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/05/15	8:00
Location Code:	IMPACT	Received by:	SW	02/05/15	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70938
Phoenix ID: BH70952

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 23 1-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/05/15	i	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	2.5	0.49	ug/Kg	02/06/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	2.5	0.49	ug/Kg	02/06/15	JLI	SW8260
1,3-Dichlorobenzene	ND	2.5	0.49	ug/Kg	02/06/15	JLI	SW8260
Naphthalene	ND	2.5	0.66	ug/Kg	02/06/15	JLI	SW8260
n-Butylbenzene	ND	2.5	0.49	ug/Kg	02/06/15	JLI	SW8260
n-Propylbenzene	ND	2.5	0.49	ug/Kg	02/06/15	JLI	SW8260
p-Isopropyltoluene	ND	2.5	0.49	ug/Kg	02/06/15	JLI	SW8260
sec-Butylbenzene	ND	2.5	0.49	ug/Kg	02/06/15	JLI	SW8260
tert-Butylbenzene	ND	2.5	0.49	ug/Kg	02/06/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	105			%	02/06/15	JLI	SW8260
% Bromofluorobenzene	93			%	02/06/15	JLI	SW8260
% Dibromofluoromethane	81			%	02/06/15	JLI	SW8260
% Toluene-d8	88			%	02/06/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	49	49	ug/kg	02/06/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	2.5	0.49	ug/Kg	02/06/15	JLI	SW8260
1,1,1-Trichloroethane	ND	2.5	0.49	ug/Kg	02/06/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	2.5	0.35	ug/Kg	02/06/15	JLI	SW8260
1,1,2-Trichloroethane	ND	2.5	0.24	ug/Kg	02/06/15	JLI	SW8260
1,1-Dichloroethane	ND	2.5	0.49	ug/Kg	02/06/15	JLI	SW8260
1,1-Dichloroethene	ND	2.5	0.53	ug/Kg	02/06/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 23 1-2

Phoenix I.D.: BH70952

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		2.5	0.33	ug/Kg	02/06/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		2.5	0.29	ug/Kg	02/06/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		2.5	0.66	ug/Kg	02/06/15	JLI	SW8260
1,2-Dibromoethane	ND		2.5	0.65	ug/Kg	02/06/15	JLI	SW8260
1,2-Dichlorobenzene	ND		2.5	0.27	ug/Kg	02/06/15	JLI	SW8260
1,2-Dichloroethane	ND		2.5	0.22	ug/Kg	02/06/15	JLI	SW8260
1,2-Dichloropropane	ND		2.5	0.35	ug/Kg	02/06/15	JLI	SW8260
1,3-Dichlorobenzene	ND		2.5	0.36	ug/Kg	02/06/15	JLI	SW8260
1,4-Dichlorobenzene	ND		2.5	0.39	ug/Kg	02/06/15	JLI	SW8260
2-Hexanone	ND		12	1.1	ug/Kg	02/06/15	JLI	SW8260
4-Methyl-2-pentanone	ND		12	0.58	ug/Kg	02/06/15	JLI	SW8260
Acetone	16	JS	25	2.4	ug/Kg	02/06/15	JLI	SW8260
Acrolein	ND		12	2.0	ug/Kg	02/06/15	JLI	SW8260
Acrylonitrile	ND		4.9	1.4	ug/Kg	02/06/15	JLI	SW8260
Benzene	ND		2.5	0.49	ug/Kg	02/06/15	JLI	SW8260
Bromochloromethane	ND		2.5	0.36	ug/Kg	02/06/15	JLI	SW8260
Bromodichloromethane	ND		2.5	0.30	ug/Kg	02/06/15	JLI	SW8260
Bromoform	ND		2.5	0.34	ug/Kg	02/06/15	JLI	SW8260
Bromomethane	ND		2.5	1.9	ug/Kg	02/06/15	JLI	SW8260
Carbon Disulfide	2.3	J	2.5	0.40	ug/Kg	02/06/15	JLI	SW8260
Carbon tetrachloride	ND		2.5	0.28	ug/Kg	02/06/15	JLI	SW8260
Chlorobenzene	ND		2.5	0.36	ug/Kg	02/06/15	JLI	SW8260
Chloroethane	ND		2.5	0.57	ug/Kg	02/06/15	JLI	SW8260
Chloroform	ND		2.5	0.45	ug/Kg	02/06/15	JLI	SW8260
Chloromethane	ND		2.5	1.3	ug/Kg	02/06/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		2.5	0.53	ug/Kg	02/06/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		2.5	0.26	ug/Kg	02/06/15	JLI	SW8260
Cyclohexane	ND		2.5	2.5	ug/Kg	02/06/15	JLI	SW8260
Dibromochloromethane	ND		2.5	0.27	ug/Kg	02/06/15	JLI	SW8260
Dichlorodifluoromethane	ND		2.5	0.65	ug/Kg	02/06/15	JLI	SW8260
Ethylbenzene	ND		2.5	0.45	ug/Kg	02/06/15	JLI	SW8260
Isopropylbenzene	ND		2.5	0.47	ug/Kg	02/06/15	JLI	SW8260
m&p-Xylene	ND		2.5	0.97	ug/Kg	02/06/15	JLI	SW8260
Methyl ethyl ketone	ND		15	2.1	ug/Kg	02/06/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		4.9	0.68	ug/Kg	02/06/15	JLI	SW8260
Methylacetate	ND		2.5	2.5	ug/Kg	02/06/15	JLI	SW8260
Methylcyclohexane	ND		2.5	2.5	ug/Kg	02/06/15	JLI	SW8260
Methylene chloride	0.57	JS	2.5	0.40	ug/Kg	02/06/15	JLI	SW8260
o-Xylene	ND		2.5	0.94	ug/Kg	02/06/15	JLI	SW8260
Styrene	ND		2.5	0.71	ug/Kg	02/06/15	JLI	SW8260
tert-butyl alcohol	ND		49	49	ug/Kg	02/06/15	JLI	SW8260
Tetrachloroethene	ND		2.5	0.51	ug/Kg	02/06/15	JLI	SW8260
Toluene	ND		2.5	0.39	ug/Kg	02/06/15	JLI	SW8260
Total Xylenes	ND		2.5	2.5	ug/Kg	02/06/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		2.5	0.49	ug/Kg	02/06/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		2.5	0.50	ug/Kg	02/06/15	JLI	SW8260
Trichloroethene	ND		2.5	0.52	ug/Kg	02/06/15	JLI	SW8260
Trichlorofluoromethane	ND		2.5	0.54	ug/Kg	02/06/15	JLI	SW8260
Trichlorotrifluoroethane	ND		2.5	0.38	ug/Kg	02/06/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 23 1-2

Phoenix I.D.: BH70952

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	2.5	0.79	ug/Kg	02/06/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	106			%	02/06/15	JLI	70 - 130 %	
% Bromofluorobenzene	90			%	02/06/15	JLI	70 - 130 %	
% Dibromofluoromethane	81			%	02/06/15	JLI	70 - 130 %	
% Toluene-d8	88			%	02/06/15	JLI	70 - 130 %	
Vinyl Acetate	ND	25	25	ug/Kg	02/06/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

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 11, 2015

PHOENIX

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

Analysis Report

February 11, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/05/15	8:00
Location Code:	IMPACT	Received by:	SW	02/05/15	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70938
Phoenix ID: BH70953

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 23 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.35	0.35	0.35	mg/Kg	02/06/15	LK	SW6010	
Aluminum	5390	53	7.0	mg/Kg	02/06/15	LK	SW6010	
Arsenic	3.6	0.7	0.70	mg/Kg	02/06/15	LK	SW6010	
Barium	52.6	0.35	0.35	mg/Kg	02/06/15	LK	SW6010	
Beryllium	0.33	0.28	0.14	mg/Kg	02/06/15	LK	SW6010	
Calcium	16100	53	32	mg/Kg	02/06/15	LK	SW6010	
Cadmium	0.72	0.35	0.14	mg/Kg	02/06/15	LK	SW6010	
Cobalt	4.74	0.35	0.35	mg/Kg	02/06/15	LK	SW6010	
Chromium	15.4	0.35	0.35	mg/Kg	02/06/15	LK	SW6010	
Copper	21.7	0.35	0.35	mg/kg	02/06/15	LK	SW6010	
Iron	9370	53	35	mg/Kg	02/06/15	LK	SW6010	B
Mercury	0.25	0.03	0.02	mg/Kg	02/06/15	RS	SW-7471	
Potassium	1030	5.3	2.7	mg/Kg	02/06/15	LK	SW6010	
Magnesium	3570	5.3	3.5	mg/Kg	02/06/15	LK	SW6010	
Manganese	146	3.5	3.5	mg/Kg	02/06/15	LK	SW6010	
Sodium	254	5.3	3.0	mg/Kg	02/06/15	LK	SW6010	
Nickel	17.7	0.35	0.35	mg/Kg	02/06/15	LK	SW6010	B
Lead	93.6	0.35	0.35	mg/Kg	02/06/15	LK	SW6010	
Antimony	< 3.5	3.5	1.8	mg/Kg	02/06/15	LK	SW6010	
Selenium	< 1.4	1.4	1.2	mg/Kg	02/06/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/06/15	EK	SW6010	
TCLP Barium	0.54	0.10	0.010	mg/L	02/06/15	EK	SW6010	B
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/06/15	EK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/06/15	RS	SW7470	
TCLP Lead	0.32	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/06/15	EK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 23 COMP

Phoenix I.D.: BH70953

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.2	3.2	1.4	mg/Kg	02/06/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/06/15	I/I	SW3005	
Trivalent Chromium	15.4	0.50		mg/kg	02/10/15	CL	Calculation	
Vanadium	18.6	0.35	0.35	mg/Kg	02/06/15	LK	SW6010	
Zinc	91.0	0.35	0.35	mg/Kg	02/06/15	LK	SW6010	
Percent Solid	89			%	02/05/15	i	SW846	
Corrosivity	Negative			Pos/Neg	02/05/15	DH/KDB	SW846	1
Flash Point	>200	200		degree F	02/06/15	Y	SW1010	
Chromium, Hexavalent	< 0.45	0.45	0.45	mg/Kg	02/10/15 10:46	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/06/15	Y	SW846	1
pH - Soil	12.00	0.10		pH Units	02/05/15 22:00	DH/KDB	4500-H B/9045	1
Reactivity Cyanide	< 5.5	5.5	0.028	mg/Kg	02/06/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/06/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/06/15	EG	SW 846-7.3	1
Redox Potential	-0.8	1.0		mV	02/05/15	DH/KDB	SM2580B	1
Total Cyanide	< 0.56	0.56	0.28	mg/Kg	02/05/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				02/05/15	JC/H	SW3545	
Soil Extraction for Pesticide	Completed				02/05/15	JC	SW3545	
Soil Extraction for SVOA	Completed				02/05/15	JJ/VH	SW3545	
Mercury Digestion	Completed				02/06/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/05/15	P/D	SW8151	
TCLP Digestion Mercury	Completed				02/06/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/06/15	F/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				02/05/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				02/05/15	I	1311	
TCLP Pesticides Extraction	Completed				02/06/15	TL	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/06/15	L	SW3510	
TCLP Extraction Volatiles	Completed				02/05/15	Y	EPA 1311	
Total Metals Digest	Completed				02/05/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				02/05/15	CC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	46	46	ug/Kg	02/07/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	46	46	ug/Kg	02/07/15	BB	SW8151	
2,4-D	ND	46	46	ug/Kg	02/07/15	BB	SW8151	
2,4-DB	ND	460	460	ug/Kg	02/07/15	BB	SW8151	
Dalapon	ND	46	46	ug/Kg	02/07/15	BB	SW8151	
Dicamba	ND	92	92	ug/Kg	02/07/15	BB	SW8151	
Dichloroprop	ND	46	46	ug/Kg	02/07/15	BB	SW8151	
Dinoseb	ND	92	92	ug/Kg	02/07/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	52			%	02/07/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	73	73	ug/Kg	02/06/15	AW	SW 8082	
PCB-1221	ND	73	73	ug/Kg	02/06/15	AW	SW 8082	
PCB-1232	ND	73	73	ug/Kg	02/06/15	AW	SW 8082	
PCB-1242	ND	73	73	ug/Kg	02/06/15	AW	SW 8082	
PCB-1248	ND	73	73	ug/Kg	02/06/15	AW	SW 8082	
PCB-1254	ND	73	73	ug/Kg	02/06/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 23 COMP

Phoenix I.D.: BH70953

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	73	73	ug/Kg	02/06/15	AW	SW 8082
PCB-1262	ND	73	73	ug/Kg	02/06/15	AW	SW 8082
PCB-1268	ND	73	73	ug/Kg	02/06/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	71			%	02/06/15	AW	30 - 150 %
% TCMX	69			%	02/06/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.2	2.2	ug/Kg	02/07/15	CE	SW8081
4,4' -DDE	ND	2.2	2.2	ug/Kg	02/07/15	CE	SW8081
4,4' -DDT	ND	2.2	2.2	ug/Kg	02/07/15	CE	SW8081
a-BHC	ND	7.3	7.3	ug/Kg	02/07/15	CE	SW8081
a-Chlordane	ND	3.7	3.7	ug/Kg	02/07/15	CE	SW8081
Aldrin	ND	3.7	3.7	ug/Kg	02/07/15	CE	SW8081
b-BHC	ND	7.3	7.3	ug/Kg	02/07/15	CE	SW8081
Chlordane	ND	37	37	ug/Kg	02/07/15	CE	SW8081
d-BHC	ND	7.3	7.3	ug/Kg	02/07/15	CE	SW8081
Dieldrin	ND	3.7	3.7	ug/Kg	02/07/15	CE	SW8081
Endosulfan I	ND	7.3	7.3	ug/Kg	02/07/15	CE	SW8081
Endosulfan II	ND	7.3	7.3	ug/Kg	02/07/15	CE	SW8081
Endosulfan sulfate	ND	7.3	7.3	ug/Kg	02/07/15	CE	SW8081
Endrin	ND	7.3	7.3	ug/Kg	02/07/15	CE	SW8081
Endrin aldehyde	ND	7.3	7.3	ug/Kg	02/07/15	CE	SW8081
Endrin ketone	ND	7.3	7.3	ug/Kg	02/07/15	CE	SW8081
g-BHC	ND	1.5	1.5	ug/Kg	02/07/15	CE	SW8081
g-Chlordane	ND	3.7	3.7	ug/Kg	02/07/15	CE	SW8081
Heptachlor	ND	7.3	7.3	ug/Kg	02/07/15	CE	SW8081
Heptachlor epoxide	ND	7.3	7.3	ug/Kg	02/07/15	CE	SW8081
Methoxychlor	ND	37	37	ug/Kg	02/07/15	CE	SW8081
Toxaphene	ND	150	150	ug/Kg	02/07/15	CE	SW8081
QA/QC Surrogates							
% DCBP	31			%	02/07/15	CE	30 - 150 %
% TCMX	44			%	02/07/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
QA/QC Surrogates							
% DCAA	64			%	02/10/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/08/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/08/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/08/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/08/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/08/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/08/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/08/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/08/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/08/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/08/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/08/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/08/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/08/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	89			%	02/08/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	82			%	02/08/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	55	55	mg/Kg	02/07/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	82			%	02/07/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/06/15	MH	SW8260
Benzene	ND	25	25	ug/L	02/06/15	MH	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/06/15	MH	SW8260
Chlorobenzene	ND	25	25	ug/L	02/06/15	MH	SW8260
Chloroform	ND	25	25	ug/L	02/06/15	MH	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/06/15	MH	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
Trichloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
Vinyl chloride	ND	25	25	ug/L	02/06/15	MH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102			%	02/06/15	MH	70 - 130 %
% Bromofluorobenzene	93			%	02/06/15	MH	70 - 130 %
% Dibromofluoromethane	92			%	02/06/15	MH	70 - 130 %
% Toluene-d8	97			%	02/06/15	MH	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	260	110	ug/Kg	02/06/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	02/06/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	370	370	ug/Kg	02/06/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	260	170	ug/Kg	02/06/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	02/06/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	02/06/15	DD	SW 8270
2,4-Dichlorophenol	ND	150	130	ug/Kg	02/06/15	DD	SW 8270
2,4-Dimethylphenol	ND	260	93	ug/Kg	02/06/15	DD	SW 8270
2,4-Dinitrophenol	ND	260	260	ug/Kg	02/06/15	DD	SW 8270
2,4-Dinitrotoluene	ND	150	150	ug/Kg	02/06/15	DD	SW 8270
2,6-Dinitrotoluene	ND	150	120	ug/Kg	02/06/15	DD	SW 8270
2-Chloronaphthalene	ND	260	110	ug/Kg	02/06/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 23 COMP

Phoenix I.D.: BH70953

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		260	110	ug/Kg	02/06/15	DD	SW 8270	
2-Methylnaphthalene	ND		260	110	ug/Kg	02/06/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		260	180	ug/Kg	02/06/15	DD	SW 8270	
2-Nitroaniline	ND		1900	380	ug/Kg	02/06/15	DD	SW 8270	
2-Nitrophenol	ND		260	240	ug/Kg	02/06/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		260	150	ug/Kg	02/06/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		150	180	ug/Kg	02/06/15	DD	SW 8270	
3-Nitroaniline	ND		1900	810	ug/Kg	02/06/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		260	400	ug/Kg	02/06/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		260	110	ug/Kg	02/06/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		260	130	ug/Kg	02/06/15	DD	SW 8270	
4-Chloroaniline	ND		750	170	ug/Kg	02/06/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		260	130	ug/Kg	02/06/15	DD	SW 8270	
4-Nitroaniline	ND		1900	120	ug/Kg	02/06/15	DD	SW 8270	
4-Nitrophenol	ND		1900	170	ug/Kg	02/06/15	DD	SW 8270	
Acenaphthene	ND		260	110	ug/Kg	02/06/15	DD	SW 8270	
Acenaphthylene	ND		150	100	ug/Kg	02/06/15	DD	SW 8270	
Acetophenone	ND		260	120	ug/Kg	02/06/15	DD	SW 8270	
Anthracene	ND		260	120	ug/Kg	02/06/15	DD	SW 8270	
Atrazine	ND		150	170	ug/Kg	02/06/15	DD	SW 8270	
Benz(a)anthracene	280		260	130	ug/Kg	02/06/15	DD	SW 8270	
Benzaldehyde	ND		260	110	ug/Kg	02/06/15	DD	SW 8270	
Benzidine	ND		560	560	ug/Kg	02/06/15	DD	SW 8270	
Benzo(a)pyrene	280		150	120	ug/Kg	02/06/15	DD	SW 8270	
Benzo(b)fluoranthene	480		260	130	ug/Kg	02/06/15	DD	SW 8270	
Benzo(ghi)perylene	ND		260	120	ug/Kg	02/06/15	DD	SW 8270	
Benzo(k)fluoranthene	200	J	260	120	ug/Kg	02/06/15	DD	SW 8270	
Benzyl Alcohol	ND		370	370	ug/Kg	02/06/15	DD	SW 8270	
Benzyl butyl phthalate	ND		260	96	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		260	100	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		150	100	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		260	100	ug/Kg	02/06/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	230	J	260	110	ug/Kg	02/06/15	DD	SW 8270	
Caprolactam	ND		260	670	ug/Kg	02/06/15	DD	SW 8270	
Carbazole	ND		1900	280	ug/Kg	02/06/15	DD	SW 8270	
Chrysene	270		260	130	ug/Kg	02/06/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		150	120	ug/Kg	02/06/15	DD	SW 8270	
Dibenzofuran	ND		260	110	ug/Kg	02/06/15	DD	SW 8270	
Diethyl phthalate	ND		260	120	ug/Kg	02/06/15	DD	SW 8270	
Dimethylphthalate	ND		260	120	ug/Kg	02/06/15	DD	SW 8270	
Di-n-butylphthalate	ND		260	99	ug/Kg	02/06/15	DD	SW 8270	
Di-n-octylphthalate	ND		260	96	ug/Kg	02/06/15	DD	SW 8270	
Fluoranthene	470		260	120	ug/Kg	02/06/15	DD	SW 8270	
Fluorene	ND		260	120	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorobenzene	ND		150	110	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorobutadiene	ND		260	140	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		260	110	ug/Kg	02/06/15	DD	SW 8270	
Hexachloroethane	ND		150	110	ug/Kg	02/06/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND		260	120	ug/Kg	02/06/15	DD	SW 8270	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 23 COMP

Phoenix I.D.: BH70953

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND	150	100	ug/Kg	02/06/15	DD	SW 8270	
Naphthalene	ND	260	110	ug/Kg	02/06/15	DD	SW 8270	
Nitrobenzene	ND	150	130	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodimethylamine	ND	260	110	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	150	120	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND	150	140	ug/Kg	02/06/15	DD	SW 8270	
Pentachlorophenol	ND	260	140	ug/Kg	02/06/15	DD	SW 8270	
Phenanthrene	350	150	110	ug/Kg	02/06/15	DD	SW 8270	
Phenol	ND	260	120	ug/Kg	02/06/15	DD	SW 8270	
Pyrene	450	260	130	ug/Kg	02/06/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	43			%	02/06/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	80			%	02/06/15	DD	30 - 130 %	
% 2-Fluorophenol	55			%	02/06/15	DD	30 - 130 %	
% Nitrobenzene-d5	68			%	02/06/15	DD	30 - 130 %	
% Phenol-d5	75			%	02/06/15	DD	30 - 130 %	
% Terphenyl-d14	91			%	02/06/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral								
1,4-Dichlorobenzene	ND	83	83	ug/L	02/09/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND	83	83	ug/L	02/09/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND	83	83	ug/L	02/09/15	DD	SW 8270	
2,4-Dinitrotoluene	ND	83	83	ug/L	02/09/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	83	83	ug/L	02/09/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND	83	83	ug/L	02/09/15	DD	SW 8270	
Hexachlorobenzene	ND	83	83	ug/L	02/09/15	DD	SW 8270	
Hexachlorobutadiene	ND	83	83	ug/L	02/09/15	DD	SW 8270	
Hexachloroethane	ND	83	83	ug/L	02/09/15	DD	SW 8270	
Nitrobenzene	ND	83	83	ug/L	02/09/15	DD	SW 8270	
Pentachlorophenol	ND	83	83	ug/L	02/09/15	DD	SW 8270	
Pyridine	ND	83	83	ug/L	02/09/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	95			%	02/09/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	75			%	02/09/15	DD	30 - 130 %	
% 2-Fluorophenol	60			%	02/09/15	DD	15 - 110 %	
% Nitrobenzene-d5	79			%	02/09/15	DD	30 - 130 %	
% Phenol-d5	51			%	02/09/15	DD	15 - 110 %	
% Terphenyl-d14	98			%	02/09/15	DD	30 - 130 %	
Aniline	ND	330		ug/Kg	02/06/15	DD	SW8270	
Benzoic Acid	ND	330		ug/Kg	02/06/15	DD	SW8270	1
Parathion	ND	370	150	ug/Kg	02/06/15	DD	SW8270	1

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 23 COMP

Phoenix I.D.: BH70953

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

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

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-tir

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This metho no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
February 11, 2015

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

NY # 11301

Analysis Report

February 11, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/05/15	8:20
Location Code:	IMPACT	Received by:	SW	02/05/15	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70938
Phoenix ID: BH70954

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 24 1-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/05/15	i	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	2.4	0.47	ug/Kg	02/06/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	2.4	0.47	ug/Kg	02/06/15	JLI	SW8260
1,3-Dichlorobenzene	ND	2.4	0.47	ug/Kg	02/06/15	JLI	SW8260
Naphthalene	ND	2.4	0.63	ug/Kg	02/06/15	JLI	SW8260
n-Butylbenzene	ND	2.4	0.47	ug/Kg	02/06/15	JLI	SW8260
n-Propylbenzene	ND	2.4	0.47	ug/Kg	02/06/15	JLI	SW8260
p-Isopropyltoluene	ND	2.4	0.47	ug/Kg	02/06/15	JLI	SW8260
sec-Butylbenzene	ND	2.4	0.47	ug/Kg	02/06/15	JLI	SW8260
tert-Butylbenzene	ND	2.4	0.47	ug/Kg	02/06/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	98			%	02/06/15	JLI	SW8260
% Bromofluorobenzene	96			%	02/06/15	JLI	SW8260
% Dibromofluoromethane	63			%	02/06/15	JLI	SW8260
% Toluene-d8	89			%	02/06/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	46	46	ug/kg	02/07/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	2.3	0.46	ug/Kg	02/07/15	JLI	SW8260
1,1,1-Trichloroethane	ND	2.3	0.46	ug/Kg	02/07/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	2.3	0.33	ug/Kg	02/07/15	JLI	SW8260
1,1,2-Trichloroethane	ND	2.3	0.23	ug/Kg	02/07/15	JLI	SW8260
1,1-Dichloroethane	ND	2.3	0.46	ug/Kg	02/07/15	JLI	SW8260
1,1-Dichloroethene	ND	2.3	0.50	ug/Kg	02/07/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 24 1-2

Phoenix I.D.: BH70954

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		2.3	0.31	ug/Kg	02/07/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		2.3	0.27	ug/Kg	02/07/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		2.3	0.62	ug/Kg	02/07/15	JLI	SW8260
1,2-Dibromoethane	ND		2.3	0.61	ug/Kg	02/07/15	JLI	SW8260
1,2-Dichlorobenzene	ND		2.3	0.25	ug/Kg	02/07/15	JLI	SW8260
1,2-Dichloroethane	ND		2.3	0.20	ug/Kg	02/07/15	JLI	SW8260
1,2-Dichloropropane	ND		2.3	0.33	ug/Kg	02/07/15	JLI	SW8260
1,3-Dichlorobenzene	ND		2.3	0.34	ug/Kg	02/07/15	JLI	SW8260
1,4-Dichlorobenzene	ND		2.3	0.36	ug/Kg	02/07/15	JLI	SW8260
2-Hexanone	ND		12	1.0	ug/Kg	02/07/15	JLI	SW8260
4-Methyl-2-pentanone	ND		12	0.55	ug/Kg	02/07/15	JLI	SW8260
Acetone	18	JS	23	2.3	ug/Kg	02/07/15	JLI	SW8260
Acrolein	ND		12	1.8	ug/Kg	02/07/15	JLI	SW8260
Acrylonitrile	ND		4.6	1.3	ug/Kg	02/07/15	JLI	SW8260
Benzene	ND		2.3	0.46	ug/Kg	02/07/15	JLI	SW8260
Bromochloromethane	ND		2.3	0.34	ug/Kg	02/07/15	JLI	SW8260
Bromodichloromethane	ND		2.3	0.29	ug/Kg	02/07/15	JLI	SW8260
Bromoform	ND		2.3	0.32	ug/Kg	02/07/15	JLI	SW8260
Bromomethane	ND		2.3	1.8	ug/Kg	02/07/15	JLI	SW8260
Carbon Disulfide	0.55	J	2.3	0.37	ug/Kg	02/07/15	JLI	SW8260
Carbon tetrachloride	ND		2.3	0.27	ug/Kg	02/07/15	JLI	SW8260
Chlorobenzene	ND		2.3	0.34	ug/Kg	02/07/15	JLI	SW8260
Chloroethane	ND		2.3	0.54	ug/Kg	02/07/15	JLI	SW8260
Chloroform	ND		2.3	0.42	ug/Kg	02/07/15	JLI	SW8260
Chloromethane	ND		2.3	1.2	ug/Kg	02/07/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		2.3	0.50	ug/Kg	02/07/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		2.3	0.25	ug/Kg	02/07/15	JLI	SW8260
Cyclohexane	ND		2.3	2.3	ug/Kg	02/07/15	JLI	SW8260
Dibromochloromethane	ND		2.3	0.26	ug/Kg	02/07/15	JLI	SW8260
Dichlorodifluoromethane	ND		2.3	0.61	ug/Kg	02/07/15	JLI	SW8260
Ethylbenzene	0.54	J	2.3	0.42	ug/Kg	02/07/15	JLI	SW8260
Isopropylbenzene	ND		2.3	0.44	ug/Kg	02/07/15	JLI	SW8260
m&p-Xylene	2.9		2.3	0.91	ug/Kg	02/07/15	JLI	SW8260
Methyl ethyl ketone	2.8	J	14	2.0	ug/Kg	02/07/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		4.6	0.63	ug/Kg	02/07/15	JLI	SW8260
Methylacetate	ND		2.3	2.3	ug/Kg	02/07/15	JLI	SW8260
Methylcyclohexane	ND		2.3	2.3	ug/Kg	02/07/15	JLI	SW8260
Methylene chloride	0.62	JS	2.3	0.38	ug/Kg	02/07/15	JLI	SW8260
o-Xylene	ND		2.3	0.88	ug/Kg	02/07/15	JLI	SW8260
Styrene	ND		2.3	0.66	ug/Kg	02/07/15	JLI	SW8260
tert-butyl alcohol	ND		46	46	ug/Kg	02/07/15	JLI	SW8260
Tetrachloroethene	ND		2.3	0.48	ug/Kg	02/07/15	JLI	SW8260
Toluene	ND		2.3	0.36	ug/Kg	02/07/15	JLI	SW8260
Total Xylenes	2.9		2.3	2.3	ug/Kg	02/07/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		2.3	0.46	ug/Kg	02/07/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		2.3	0.47	ug/Kg	02/07/15	JLI	SW8260
Trichloroethene	ND		2.3	0.49	ug/Kg	02/07/15	JLI	SW8260
Trichlorofluoromethane	ND		2.3	0.51	ug/Kg	02/07/15	JLI	SW8260
Trichlorotrifluoroethane	ND		2.3	0.36	ug/Kg	02/07/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION

Client ID: WC 24 1-2

Phoenix I.D.: BH70954

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	2.3	0.75	ug/Kg	02/07/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	97			%	02/07/15	JLI	70 - 130 %	
% Bromofluorobenzene	92			%	02/07/15	JLI	70 - 130 %	
% Dibromofluoromethane	69			%	02/07/15	JLI	70 - 130 %	3
% Toluene-d8	89			%	02/07/15	JLI	70 - 130 %	
Vinyl Acetate	ND	24	24	ug/Kg	02/06/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

Volatile Comment:

**Poor surrogate recovery was observed for volatiles. Sample was analyzed twice with similar results indicating matrix interferenc

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 11, 2015

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 11, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/05/15	8:20
Location Code:	IMPACT	Received by:	SW	02/05/15	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70938
Phoenix ID: BH70955

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 24 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.34	0.34	0.34	mg/Kg	02/06/15	LK	SW6010	
Aluminum	3710	52	6.9	mg/Kg	02/06/15	LK	SW6010	
Arsenic	2.5	0.7	0.69	mg/Kg	02/06/15	LK	SW6010	
Barium	30.9	0.34	0.34	mg/Kg	02/06/15	LK	SW6010	
Beryllium	< 0.27	0.27	0.14	mg/Kg	02/06/15	LK	SW6010	
Calcium	12700	52	32	mg/Kg	02/06/15	LK	SW6010	
Cadmium	< 0.34	0.34	0.14	mg/Kg	02/06/15	LK	SW6010	
Cobalt	2.81	0.34	0.34	mg/Kg	02/06/15	LK	SW6010	
Chromium	9.19	0.34	0.34	mg/Kg	02/06/15	LK	SW6010	
Copper	13.3	0.34	0.34	mg/kg	02/06/15	LK	SW6010	
Iron	7110	52	34	mg/Kg	02/06/15	LK	SW6010	B
Mercury	0.15	0.03	0.02	mg/Kg	02/06/15	RS	SW-7471	
Potassium	704	5.2	2.7	mg/Kg	02/06/15	LK	SW6010	
Magnesium	1550	5.2	3.4	mg/Kg	02/06/15	LK	SW6010	
Manganese	110	0.34	0.34	mg/Kg	02/06/15	LK	SW6010	
Sodium	154	5.2	3.0	mg/Kg	02/06/15	LK	SW6010	
Nickel	11.7	0.34	0.34	mg/Kg	02/06/15	LK	SW6010	B
Lead	42.2	0.34	0.34	mg/Kg	02/06/15	LK	SW6010	
Antimony	< 3.4	3.4	1.7	mg/Kg	02/06/15	LK	SW6010	
Selenium	< 1.4	1.4	1.2	mg/Kg	02/06/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/06/15	EK	SW6010	
TCLP Barium	0.38	0.10	0.010	mg/L	02/06/15	EK	SW6010	B
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/06/15	EK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/06/15	RS	SW7470	
TCLP Lead	0.18	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/06/15	EK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 24 COMP

Phoenix I.D.: BH70955

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.1	3.1	1.4	mg/Kg	02/06/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/06/15	I/I	SW3005	
Trivalent Chromium	9.19	0.50		mg/kg	02/10/15	CL	Calculation	
Vanadium	12.1	0.34	0.34	mg/Kg	02/06/15	LK	SW6010	
Zinc	52.3	0.34	0.34	mg/Kg	02/06/15	LK	SW6010	
Percent Solid	91			%	02/05/15	i	SW846	
Corrosivity	Negative			Pos/Neg	02/05/15	DH/KDB	SW846	1
Flash Point	>200	200		degree F	02/06/15	Y	SW1010	
Chromium, Hexavalent	< 0.42	0.42	0.42	mg/Kg	02/10/15 10:46	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/06/15	Y	SW846	1
pH - Soil	11.69	0.10		pH Units	02/05/15 22:00	DH/KDB	4500-H B/9045	1
Reactivity Cyanide	< 5.5	5.5	0.027	mg/Kg	02/06/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/06/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/06/15	EG	SW 846-7.3	1
Redox Potential	-11	1.0		mV	02/05/15	DH/KDB	SM2580B	1
Total Cyanide	< 0.55	0.55	0.27	mg/Kg	02/05/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				02/05/15	JC/H	SW3545	
Soil Extraction for Pesticide	Completed				02/05/15	JC	SW3545	
Soil Extraction for SVOA	Completed				02/05/15	JJ/VH	SW3545	
Mercury Digestion	Completed				02/06/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/05/15	P/D	SW8151	
TCLP Digestion Mercury	Completed				02/06/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/06/15	F/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				02/05/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				02/05/15	I	1311	
TCLP Pesticides Extraction	Completed				02/06/15	TL	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/06/15	L	SW3510	
TCLP Extraction Volatiles	Completed				02/05/15	Y	EPA 1311	
Total Metals Digest	Completed				02/05/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				02/05/15	CC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	46	46	ug/Kg	02/07/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	46	46	ug/Kg	02/07/15	BB	SW8151	
2,4-D	ND	46	46	ug/Kg	02/07/15	BB	SW8151	
2,4-DB	ND	460	460	ug/Kg	02/07/15	BB	SW8151	
Dalapon	ND	46	46	ug/Kg	02/07/15	BB	SW8151	
Dicamba	ND	91	91	ug/Kg	02/07/15	BB	SW8151	
Dichloroprop	ND	46	46	ug/Kg	02/07/15	BB	SW8151	
Dinoseb	ND	91	91	ug/Kg	02/07/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	58			%	02/07/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	73	73	ug/Kg	02/06/15	AW	SW 8082	
PCB-1221	ND	73	73	ug/Kg	02/06/15	AW	SW 8082	
PCB-1232	ND	73	73	ug/Kg	02/06/15	AW	SW 8082	
PCB-1242	ND	73	73	ug/Kg	02/06/15	AW	SW 8082	
PCB-1248	ND	73	73	ug/Kg	02/06/15	AW	SW 8082	
PCB-1254	ND	73	73	ug/Kg	02/06/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 24 COMP

Phoenix I.D.: BH70955

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	73	73	ug/Kg	02/06/15	AW	SW 8082
PCB-1262	ND	73	73	ug/Kg	02/06/15	AW	SW 8082
PCB-1268	ND	73	73	ug/Kg	02/06/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	68			%	02/06/15	AW	30 - 150 %
% TCMX	74			%	02/06/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.2	2.2	ug/Kg	02/07/15	CE	SW8081
4,4' -DDE	ND	2.2	2.2	ug/Kg	02/07/15	CE	SW8081
4,4' -DDT	ND	2.2	2.2	ug/Kg	02/07/15	CE	SW8081
a-BHC	ND	7.3	7.3	ug/Kg	02/07/15	CE	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	02/07/15	CE	SW8081
Aldrin	ND	3.6	3.6	ug/Kg	02/07/15	CE	SW8081
b-BHC	ND	7.3	7.3	ug/Kg	02/07/15	CE	SW8081
Chlordane	ND	36	36	ug/Kg	02/07/15	CE	SW8081
d-BHC	ND	7.3	7.3	ug/Kg	02/07/15	CE	SW8081
Dieldrin	ND	3.6	3.6	ug/Kg	02/07/15	CE	SW8081
Endosulfan I	ND	7.3	7.3	ug/Kg	02/07/15	CE	SW8081
Endosulfan II	ND	7.3	7.3	ug/Kg	02/07/15	CE	SW8081
Endosulfan sulfate	ND	7.3	7.3	ug/Kg	02/07/15	CE	SW8081
Endrin	ND	7.3	7.3	ug/Kg	02/07/15	CE	SW8081
Endrin aldehyde	ND	7.3	7.3	ug/Kg	02/07/15	CE	SW8081
Endrin ketone	ND	7.3	7.3	ug/Kg	02/07/15	CE	SW8081
g-BHC	ND	1.5	1.5	ug/Kg	02/07/15	CE	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	02/07/15	CE	SW8081
Heptachlor	ND	7.3	7.3	ug/Kg	02/07/15	CE	SW8081
Heptachlor epoxide	ND	7.3	7.3	ug/Kg	02/07/15	CE	SW8081
Methoxychlor	ND	36	36	ug/Kg	02/07/15	CE	SW8081
Toxaphene	ND	150	150	ug/Kg	02/07/15	CE	SW8081
QA/QC Surrogates							
% DCBP	88			%	02/07/15	CE	30 - 150 %
% TCMX	77			%	02/07/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
QA/QC Surrogates							
% DCAA	64			%	02/10/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/08/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/08/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/08/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/08/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/08/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/08/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 24 COMP

Phoenix I.D.: BH70955

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/08/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/08/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/08/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/08/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/08/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/08/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/08/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	93			%	02/08/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	78			%	02/08/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	54	54	mg/Kg	02/07/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	90			%	02/07/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/06/15	MH	SW8260
Benzene	ND	25	25	ug/L	02/06/15	MH	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/06/15	MH	SW8260
Chlorobenzene	ND	25	25	ug/L	02/06/15	MH	SW8260
Chloroform	ND	25	25	ug/L	02/06/15	MH	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/06/15	MH	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
Trichloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
Vinyl chloride	ND	25	25	ug/L	02/06/15	MH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101			%	02/06/15	MH	70 - 130 %
% Bromofluorobenzene	95			%	02/06/15	MH	70 - 130 %
% Dibromofluoromethane	92			%	02/06/15	MH	70 - 130 %
% Toluene-d8	97			%	02/06/15	MH	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	250	110	ug/Kg	02/06/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	02/06/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	360	360	ug/Kg	02/06/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	250	170	ug/Kg	02/06/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	02/06/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	02/06/15	DD	SW 8270
2,4-Dichlorophenol	ND	140	130	ug/Kg	02/06/15	DD	SW 8270
2,4-Dimethylphenol	ND	250	88	ug/Kg	02/06/15	DD	SW 8270
2,4-Dinitrophenol	ND	250	250	ug/Kg	02/06/15	DD	SW 8270
2,4-Dinitrotoluene	ND	140	140	ug/Kg	02/06/15	DD	SW 8270
2,6-Dinitrotoluene	ND	140	110	ug/Kg	02/06/15	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	02/06/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 24 COMP

Phoenix I.D.: BH70955

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		250	100	ug/Kg	02/06/15	DD	SW 8270	
2-Methylnaphthalene	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		250	170	ug/Kg	02/06/15	DD	SW 8270	
2-Nitroaniline	ND		1800	360	ug/Kg	02/06/15	DD	SW 8270	
2-Nitrophenol	ND		250	230	ug/Kg	02/06/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		250	140	ug/Kg	02/06/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		140	170	ug/Kg	02/06/15	DD	SW 8270	
3-Nitroaniline	ND		1800	780	ug/Kg	02/06/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		250	380	ug/Kg	02/06/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		250	100	ug/Kg	02/06/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		250	130	ug/Kg	02/06/15	DD	SW 8270	
4-Chloroaniline	ND		710	170	ug/Kg	02/06/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	
4-Nitroaniline	ND		1800	120	ug/Kg	02/06/15	DD	SW 8270	
4-Nitrophenol	ND		1800	160	ug/Kg	02/06/15	DD	SW 8270	
Acenaphthene	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Acenaphthylene	ND		140	100	ug/Kg	02/06/15	DD	SW 8270	
Acetophenone	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Anthracene	210	J	250	120	ug/Kg	02/06/15	DD	SW 8270	
Atrazine	ND		140	160	ug/Kg	02/06/15	DD	SW 8270	
Benz(a)anthracene	880		250	120	ug/Kg	02/06/15	DD	SW 8270	
Benzaldehyde	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Benzidine	ND		530	530	ug/Kg	02/06/15	DD	SW 8270	
Benzo(a)pyrene	800		140	120	ug/Kg	02/06/15	DD	SW 8270	
Benzo(b)fluoranthene	1300		250	120	ug/Kg	02/06/15	DD	SW 8270	
Benzo(ghi)perylene	210	J	250	120	ug/Kg	02/06/15	DD	SW 8270	
Benzo(k)fluoranthene	520		250	120	ug/Kg	02/06/15	DD	SW 8270	
Benzyl Alcohol	ND		360	360	ug/Kg	02/06/15	DD	SW 8270	
Benzyl butyl phthalate	ND		250	92	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		250	98	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		140	96	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		250	99	ug/Kg	02/06/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		250	100	ug/Kg	02/06/15	DD	SW 8270	
Caprolactam	ND		250	640	ug/Kg	02/06/15	DD	SW 8270	
Carbazole	ND		1800	270	ug/Kg	02/06/15	DD	SW 8270	
Chrysene	820		250	120	ug/Kg	02/06/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		140	120	ug/Kg	02/06/15	DD	SW 8270	
Dibenzofuran	ND		250	100	ug/Kg	02/06/15	DD	SW 8270	
Diethyl phthalate	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Dimethylphthalate	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Di-n-butylphthalate	ND		250	95	ug/Kg	02/06/15	DD	SW 8270	
Di-n-octylphthalate	ND		250	92	ug/Kg	02/06/15	DD	SW 8270	
Fluoranthene	1700		250	120	ug/Kg	02/06/15	DD	SW 8270	
Fluorene	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorobenzene	ND		140	100	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorobutadiene	ND		250	130	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Hexachloroethane	ND		140	110	ug/Kg	02/06/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	200	J	250	120	ug/Kg	02/06/15	DD	SW 8270	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 24 COMP

Phoenix I.D.: BH70955

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND	140	100	ug/Kg	02/06/15	DD	SW 8270	
Naphthalene	ND	250	100	ug/Kg	02/06/15	DD	SW 8270	
Nitrobenzene	ND	140	120	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodimethylamine	ND	250	100	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	140	120	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND	140	140	ug/Kg	02/06/15	DD	SW 8270	
Pentachlorophenol	ND	250	130	ug/Kg	02/06/15	DD	SW 8270	
Phenanthrene	1100	140	100	ug/Kg	02/06/15	DD	SW 8270	
Phenol	ND	250	110	ug/Kg	02/06/15	DD	SW 8270	
Pyrene	1400	250	120	ug/Kg	02/06/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	53			%	02/06/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	91			%	02/06/15	DD	30 - 130 %	
% 2-Fluorophenol	78			%	02/06/15	DD	30 - 130 %	
% Nitrobenzene-d5	74			%	02/06/15	DD	30 - 130 %	
% Phenol-d5	84			%	02/06/15	DD	30 - 130 %	
% Terphenyl-d14	98			%	02/06/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral								
1,4-Dichlorobenzene	ND	83	83	ug/L	02/09/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND	83	83	ug/L	02/09/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND	83	83	ug/L	02/09/15	DD	SW 8270	
2,4-Dinitrotoluene	ND	83	83	ug/L	02/09/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	83	83	ug/L	02/09/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND	83	83	ug/L	02/09/15	DD	SW 8270	
Hexachlorobenzene	ND	83	83	ug/L	02/09/15	DD	SW 8270	
Hexachlorobutadiene	ND	83	83	ug/L	02/09/15	DD	SW 8270	
Hexachloroethane	ND	83	83	ug/L	02/09/15	DD	SW 8270	
Nitrobenzene	ND	83	83	ug/L	02/09/15	DD	SW 8270	
Pentachlorophenol	ND	83	83	ug/L	02/09/15	DD	SW 8270	
Pyridine	ND	83	83	ug/L	02/09/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	109			%	02/09/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	84			%	02/09/15	DD	30 - 130 %	
% 2-Fluorophenol	66			%	02/09/15	DD	15 - 110 %	
% Nitrobenzene-d5	89			%	02/09/15	DD	30 - 130 %	
% Phenol-d5	56			%	02/09/15	DD	15 - 110 %	
% Terphenyl-d14	100			%	02/09/15	DD	30 - 130 %	
Aniline	ND	330		ug/Kg	02/06/15	DD	SW8270	
Benzoic Acid	ND	330		ug/Kg	02/06/15	DD	SW8270	1
Parathion	ND	360	140	ug/Kg	02/06/15	DD	SW8270	1

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 24 COMP

Phoenix I.D.: BH70955

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

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

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-tir

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This metho no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
February 11, 2015

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 11, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/05/15	8:45
Location Code:	IMPACT	Received by:	SW	02/05/15	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70938
Phoenix ID: BH70956

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 31 1-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/05/15	i	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	2.7	0.53	ug/Kg	02/06/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	2.7	0.53	ug/Kg	02/06/15	JLI	SW8260
1,3-Dichlorobenzene	ND	2.7	0.53	ug/Kg	02/06/15	JLI	SW8260
Naphthalene	ND	2.7	0.71	ug/Kg	02/06/15	JLI	SW8260
n-Butylbenzene	ND	2.7	0.53	ug/Kg	02/06/15	JLI	SW8260
n-Propylbenzene	ND	2.7	0.53	ug/Kg	02/06/15	JLI	SW8260
p-Isopropyltoluene	ND	2.7	0.53	ug/Kg	02/06/15	JLI	SW8260
sec-Butylbenzene	ND	2.7	0.53	ug/Kg	02/06/15	JLI	SW8260
tert-Butylbenzene	ND	2.7	0.53	ug/Kg	02/06/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	109			%	02/06/15	JLI	SW8260
% Bromofluorobenzene	85			%	02/06/15	JLI	SW8260
% Dibromofluoromethane	98			%	02/06/15	JLI	SW8260
% Toluene-d8	89			%	02/06/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	46	46	ug/kg	02/07/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	2.3	0.46	ug/Kg	02/07/15	JLI	SW8260
1,1,1-Trichloroethane	ND	2.3	0.46	ug/Kg	02/07/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	2.3	0.33	ug/Kg	02/07/15	JLI	SW8260
1,1,2-Trichloroethane	ND	2.3	0.23	ug/Kg	02/07/15	JLI	SW8260
1,1-Dichloroethane	ND	2.3	0.46	ug/Kg	02/07/15	JLI	SW8260
1,1-Dichloroethene	ND	2.3	0.50	ug/Kg	02/07/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 31 1-2

Phoenix I.D.: BH70956

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		2.3	0.31	ug/Kg	02/07/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		2.3	0.27	ug/Kg	02/07/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		2.3	0.62	ug/Kg	02/07/15	JLI	SW8260
1,2-Dibromoethane	ND		2.3	0.61	ug/Kg	02/07/15	JLI	SW8260
1,2-Dichlorobenzene	ND		2.3	0.25	ug/Kg	02/07/15	JLI	SW8260
1,2-Dichloroethane	ND		2.3	0.20	ug/Kg	02/07/15	JLI	SW8260
1,2-Dichloropropane	ND		2.3	0.33	ug/Kg	02/07/15	JLI	SW8260
1,3-Dichlorobenzene	ND		2.3	0.34	ug/Kg	02/07/15	JLI	SW8260
1,4-Dichlorobenzene	ND		2.3	0.36	ug/Kg	02/07/15	JLI	SW8260
2-Hexanone	ND		12	1.0	ug/Kg	02/07/15	JLI	SW8260
4-Methyl-2-pentanone	ND		12	0.55	ug/Kg	02/07/15	JLI	SW8260
Acetone	3.0	JS	23	2.3	ug/Kg	02/07/15	JLI	SW8260
Acrolein	ND		12	1.8	ug/Kg	02/07/15	JLI	SW8260
Acrylonitrile	ND		4.6	1.3	ug/Kg	02/07/15	JLI	SW8260
Benzene	ND		2.3	0.46	ug/Kg	02/07/15	JLI	SW8260
Bromochloromethane	ND		2.3	0.34	ug/Kg	02/07/15	JLI	SW8260
Bromodichloromethane	ND		2.3	0.29	ug/Kg	02/07/15	JLI	SW8260
Bromoform	ND		2.3	0.32	ug/Kg	02/07/15	JLI	SW8260
Bromomethane	ND		2.3	1.8	ug/Kg	02/07/15	JLI	SW8260
Carbon Disulfide	ND		2.3	0.37	ug/Kg	02/07/15	JLI	SW8260
Carbon tetrachloride	ND		2.3	0.27	ug/Kg	02/07/15	JLI	SW8260
Chlorobenzene	ND		2.3	0.34	ug/Kg	02/07/15	JLI	SW8260
Chloroethane	ND		2.3	0.54	ug/Kg	02/07/15	JLI	SW8260
Chloroform	ND		2.3	0.42	ug/Kg	02/07/15	JLI	SW8260
Chloromethane	ND		2.3	1.2	ug/Kg	02/07/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		2.3	0.50	ug/Kg	02/07/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		2.3	0.25	ug/Kg	02/07/15	JLI	SW8260
Cyclohexane	ND		2.3	2.3	ug/Kg	02/07/15	JLI	SW8260
Dibromochloromethane	ND		2.3	0.26	ug/Kg	02/07/15	JLI	SW8260
Dichlorodifluoromethane	ND		2.3	0.61	ug/Kg	02/07/15	JLI	SW8260
Ethylbenzene	ND		2.3	0.42	ug/Kg	02/07/15	JLI	SW8260
Isopropylbenzene	ND		2.3	0.44	ug/Kg	02/07/15	JLI	SW8260
m&p-Xylene	ND		2.3	0.91	ug/Kg	02/07/15	JLI	SW8260
Methyl ethyl ketone	ND		14	2.0	ug/Kg	02/07/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		4.6	0.63	ug/Kg	02/07/15	JLI	SW8260
Methylacetate	ND		2.3	2.3	ug/Kg	02/07/15	JLI	SW8260
Methylcyclohexane	ND		2.3	2.3	ug/Kg	02/07/15	JLI	SW8260
Methylene chloride	0.45	JS	2.3	0.38	ug/Kg	02/07/15	JLI	SW8260
o-Xylene	ND		2.3	0.88	ug/Kg	02/07/15	JLI	SW8260
Styrene	ND		2.3	0.66	ug/Kg	02/07/15	JLI	SW8260
tert-butyl alcohol	ND		46	46	ug/Kg	02/07/15	JLI	SW8260
Tetrachloroethene	ND		2.3	0.48	ug/Kg	02/07/15	JLI	SW8260
Toluene	ND		2.3	0.36	ug/Kg	02/07/15	JLI	SW8260
Total Xylenes	ND		2.3	2.3	ug/Kg	02/07/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		2.3	0.46	ug/Kg	02/07/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		2.3	0.47	ug/Kg	02/07/15	JLI	SW8260
Trichloroethene	ND		2.3	0.49	ug/Kg	02/07/15	JLI	SW8260
Trichlorofluoromethane	ND		2.3	0.51	ug/Kg	02/07/15	JLI	SW8260
Trichlorotrifluoroethane	ND		2.3	0.36	ug/Kg	02/07/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 31 1-2

Phoenix I.D.: BH70956

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	2.3	0.75	ug/Kg	02/07/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	125			%	02/07/15	JLI	70 - 130 %	
% Bromofluorobenzene	79			%	02/07/15	JLI	70 - 130 %	
% Dibromofluoromethane	100			%	02/07/15	JLI	70 - 130 %	
% Toluene-d8	89			%	02/07/15	JLI	70 - 130 %	
Vinyl Acetate	ND	23	23	ug/Kg	02/07/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

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 11, 2015

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 11, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/05/15	8:45
Location Code:	IMPACT	Received by:	SW	02/05/15	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70938
Phoenix ID: BH70957

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 31 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.35	0.35	0.35	mg/Kg	02/06/15	LK	SW6010	
Aluminum	3610	52	7.0	mg/Kg	02/06/15	LK	SW6010	
Arsenic	2.2	0.7	0.70	mg/Kg	02/06/15	LK	SW6010	
Barium	32.7	0.35	0.35	mg/Kg	02/06/15	LK	SW6010	
Beryllium	< 0.28	0.28	0.14	mg/Kg	02/06/15	LK	SW6010	
Calcium	2180	5.2	3.2	mg/Kg	02/06/15	LK	SW6010	
Cadmium	< 0.35	0.35	0.14	mg/Kg	02/06/15	LK	SW6010	
Cobalt	3.48	0.35	0.35	mg/Kg	02/06/15	LK	SW6010	
Chromium	11.1	0.35	0.35	mg/Kg	02/06/15	LK	SW6010	
Copper	15.6	0.35	0.35	mg/kg	02/06/15	LK	SW6010	
Iron	7310	52	35	mg/Kg	02/06/15	LK	SW6010	B
Mercury	0.09	0.03	0.02	mg/Kg	02/06/15	RS	SW-7471	
Potassium	545	5.2	2.7	mg/Kg	02/06/15	LK	SW6010	
Magnesium	1550	5.2	3.5	mg/Kg	02/06/15	LK	SW6010	
Manganese	125	0.35	0.35	mg/Kg	02/06/15	LK	SW6010	
Sodium	251	5.2	3.0	mg/Kg	02/06/15	LK	SW6010	
Nickel	14.1	0.35	0.35	mg/Kg	02/06/15	LK	SW6010	B
Lead	54.4	0.35	0.35	mg/Kg	02/06/15	LK	SW6010	
Antimony	< 3.5	3.5	1.7	mg/Kg	02/06/15	LK	SW6010	
Selenium	< 1.4	1.4	1.2	mg/Kg	02/06/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/06/15	EK	SW6010	
TCLP Barium	0.47	0.10	0.010	mg/L	02/06/15	EK	SW6010	B
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/06/15	EK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/06/15	RS	SW7470	
TCLP Lead	0.16	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/06/15	EK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 31 COMP

Phoenix I.D.: BH70957

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.1	3.1	1.4	mg/Kg	02/06/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/06/15	I/I	SW3005	
Trivalent Chromium	11.1	0.50		mg/kg	02/10/15	CL	Calculation	
Vanadium	10.4	0.35	0.35	mg/Kg	02/06/15	LK	SW6010	
Zinc	51.4	0.35	0.35	mg/Kg	02/06/15	LK	SW6010	
Percent Solid	93			%	02/05/15	i	SW846	
Corrosivity	Negative			Pos/Neg	02/05/15	DH/KDB	SW846	1
Flash Point	>200	200		degree F	02/06/15	Y	SW1010	
Chromium, Hexavalent	< 0.43	0.43	0.43	mg/Kg	02/10/15 10:46	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/06/15	Y	SW846	1
pH - Soil	9.61	0.10		pH Units	02/05/15 22:00	DH/KDB	4500-H B/9045	1
Reactivity Cyanide	< 5.3	5.3	0.027	mg/Kg	02/06/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/06/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/06/15	EG	SW 846-7.3	1
Redox Potential	84	1.0		mV	02/05/15	DH/KDB	SM2580B	1
Total Cyanide	< 0.54	0.54	0.27	mg/Kg	02/05/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				02/05/15	JC/H	SW3545	
Soil Extraction for Pesticide	Completed				02/05/15	JC	SW3545	
Soil Extraction for SVOA	Completed				02/05/15	JJ/VH	SW3545	
Mercury Digestion	Completed				02/06/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/05/15	P/D	SW8151	
TCLP Digestion Mercury	Completed				02/06/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/06/15	F/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				02/05/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				02/05/15	I	1311	
TCLP Pesticides Extraction	Completed				02/06/15	TL	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/06/15	L	SW3510	
TCLP Extraction Volatiles	Completed				02/05/15	Y	EPA 1311	
Total Metals Digest	Completed				02/05/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				02/05/15	JC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	45	45	ug/Kg	02/10/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	45	45	ug/Kg	02/10/15	BB	SW8151	
2,4-D	ND	45	45	ug/Kg	02/10/15	BB	SW8151	
2,4-DB	ND	450	450	ug/Kg	02/10/15	BB	SW8151	
Dalapon	ND	45	45	ug/Kg	02/10/15	BB	SW8151	
Dicamba	ND	89	89	ug/Kg	02/10/15	BB	SW8151	
Dichloroprop	ND	45	45	ug/Kg	02/10/15	BB	SW8151	
Dinoseb	ND	89	89	ug/Kg	02/10/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	57			%	02/10/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	71	71	ug/Kg	02/06/15	AW	SW 8082	
PCB-1221	ND	71	71	ug/Kg	02/06/15	AW	SW 8082	
PCB-1232	ND	71	71	ug/Kg	02/06/15	AW	SW 8082	
PCB-1242	ND	71	71	ug/Kg	02/06/15	AW	SW 8082	
PCB-1248	ND	71	71	ug/Kg	02/06/15	AW	SW 8082	
PCB-1254	ND	71	71	ug/Kg	02/06/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 31 COMP

Phoenix I.D.: BH70957

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	71	71	ug/Kg	02/06/15	AW	SW 8082
PCB-1262	ND	71	71	ug/Kg	02/06/15	AW	SW 8082
PCB-1268	ND	71	71	ug/Kg	02/06/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	82			%	02/06/15	AW	30 - 150 %
% TCMX	90			%	02/06/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.1	2.1	ug/Kg	02/06/15	CE	SW8081
4,4' -DDE	ND	2.1	2.1	ug/Kg	02/06/15	CE	SW8081
4,4' -DDT	ND	2.1	2.1	ug/Kg	02/06/15	CE	SW8081
a-BHC	ND	7.1	7.1	ug/Kg	02/06/15	CE	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	02/06/15	CE	SW8081
Aldrin	ND	3.6	3.6	ug/Kg	02/06/15	CE	SW8081
b-BHC	ND	7.1	7.1	ug/Kg	02/06/15	CE	SW8081
Chlordane	ND	36	36	ug/Kg	02/06/15	CE	SW8081
d-BHC	ND	7.1	7.1	ug/Kg	02/06/15	CE	SW8081
Dieldrin	ND	3.6	3.6	ug/Kg	02/06/15	CE	SW8081
Endosulfan I	ND	7.1	7.1	ug/Kg	02/06/15	CE	SW8081
Endosulfan II	ND	7.1	7.1	ug/Kg	02/06/15	CE	SW8081
Endosulfan sulfate	ND	7.1	7.1	ug/Kg	02/06/15	CE	SW8081
Endrin	ND	7.1	7.1	ug/Kg	02/06/15	CE	SW8081
Endrin aldehyde	ND	7.1	7.1	ug/Kg	02/06/15	CE	SW8081
Endrin ketone	ND	7.1	7.1	ug/Kg	02/06/15	CE	SW8081
g-BHC	ND	1.4	1.4	ug/Kg	02/06/15	CE	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	02/06/15	CE	SW8081
Heptachlor	ND	7.1	7.1	ug/Kg	02/06/15	CE	SW8081
Heptachlor epoxide	ND	7.1	7.1	ug/Kg	02/06/15	CE	SW8081
Methoxychlor	ND	36	36	ug/Kg	02/06/15	CE	SW8081
Toxaphene	ND	140	140	ug/Kg	02/06/15	CE	SW8081
QA/QC Surrogates							
% DCBP	95			%	02/06/15	CE	30 - 150 %
% TCMX	82			%	02/06/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
QA/QC Surrogates							
% DCAA	54			%	02/10/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/08/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/08/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/08/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/08/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/08/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/08/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/08/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/08/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/08/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/08/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/08/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/08/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/08/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	89			%	02/08/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	81			%	02/08/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	53	53	mg/Kg	02/06/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	73			%	02/06/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/06/15	MH	SW8260
Benzene	ND	25	25	ug/L	02/06/15	MH	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/06/15	MH	SW8260
Chlorobenzene	ND	25	25	ug/L	02/06/15	MH	SW8260
Chloroform	ND	25	25	ug/L	02/06/15	MH	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/06/15	MH	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
Trichloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
Vinyl chloride	ND	25	25	ug/L	02/06/15	MH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	103			%	02/06/15	MH	70 - 130 %
% Bromofluorobenzene	95			%	02/06/15	MH	70 - 130 %
% Dibromofluoromethane	92			%	02/06/15	MH	70 - 130 %
% Toluene-d8	99			%	02/06/15	MH	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	250	110	ug/Kg	02/06/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	02/06/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	360	360	ug/Kg	02/06/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	250	170	ug/Kg	02/06/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	02/06/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	02/06/15	DD	SW 8270
2,4-Dichlorophenol	ND	140	130	ug/Kg	02/06/15	DD	SW 8270
2,4-Dimethylphenol	ND	250	89	ug/Kg	02/06/15	DD	SW 8270
2,4-Dinitrophenol	ND	250	250	ug/Kg	02/06/15	DD	SW 8270
2,4-Dinitrotoluene	ND	140	140	ug/Kg	02/06/15	DD	SW 8270
2,6-Dinitrotoluene	ND	140	110	ug/Kg	02/06/15	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	02/06/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 31 COMP

Phoenix I.D.: BH70957

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		250	100	ug/Kg	02/06/15	DD	SW 8270	
2-Methylnaphthalene	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		250	170	ug/Kg	02/06/15	DD	SW 8270	
2-Nitroaniline	ND		1800	360	ug/Kg	02/06/15	DD	SW 8270	
2-Nitrophenol	ND		250	230	ug/Kg	02/06/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		250	140	ug/Kg	02/06/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		140	170	ug/Kg	02/06/15	DD	SW 8270	
3-Nitroaniline	ND		1800	780	ug/Kg	02/06/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		250	380	ug/Kg	02/06/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		250	130	ug/Kg	02/06/15	DD	SW 8270	
4-Chloroaniline	ND		710	170	ug/Kg	02/06/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	
4-Nitroaniline	ND		1800	120	ug/Kg	02/06/15	DD	SW 8270	
4-Nitrophenol	ND		1800	160	ug/Kg	02/06/15	DD	SW 8270	
Acenaphthene	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Acenaphthylene	ND		140	100	ug/Kg	02/06/15	DD	SW 8270	
Acetophenone	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Anthracene	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	
Atrazine	ND		140	160	ug/Kg	02/06/15	DD	SW 8270	
Benz(a)anthracene	200	J	250	120	ug/Kg	02/06/15	DD	SW 8270	
Benzaldehyde	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Benzidine	ND		540	540	ug/Kg	02/06/15	DD	SW 8270	
Benzo(a)pyrene	190		140	120	ug/Kg	02/06/15	DD	SW 8270	
Benzo(b)fluoranthene	300		250	120	ug/Kg	02/06/15	DD	SW 8270	
Benzo(ghi)perylene	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	
Benzo(k)fluoranthene	160	J	250	120	ug/Kg	02/06/15	DD	SW 8270	
Benzyl Alcohol	ND		360	360	ug/Kg	02/06/15	DD	SW 8270	
Benzyl butyl phthalate	ND		250	92	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		250	99	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		140	96	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		250	99	ug/Kg	02/06/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		250	100	ug/Kg	02/06/15	DD	SW 8270	
Caprolactam	ND		250	640	ug/Kg	02/06/15	DD	SW 8270	
Carbazole	ND		1800	270	ug/Kg	02/06/15	DD	SW 8270	
Chrysene	190	J	250	120	ug/Kg	02/06/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		140	120	ug/Kg	02/06/15	DD	SW 8270	
Dibenzofuran	ND		250	100	ug/Kg	02/06/15	DD	SW 8270	
Diethyl phthalate	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Dimethylphthalate	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Di-n-butylphthalate	ND		250	95	ug/Kg	02/06/15	DD	SW 8270	
Di-n-octylphthalate	ND		250	92	ug/Kg	02/06/15	DD	SW 8270	
Fluoranthene	320		250	120	ug/Kg	02/06/15	DD	SW 8270	
Fluorene	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorobenzene	ND		140	100	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorobutadiene	ND		250	130	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Hexachloroethane	ND		140	110	ug/Kg	02/06/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 31 COMP

Phoenix I.D.: BH70957

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND	140	100	ug/Kg	02/06/15	DD	SW 8270	
Naphthalene	ND	250	100	ug/Kg	02/06/15	DD	SW 8270	
Nitrobenzene	ND	140	130	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodimethylamine	ND	250	100	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	140	120	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND	140	140	ug/Kg	02/06/15	DD	SW 8270	
Pentachlorophenol	ND	250	140	ug/Kg	02/06/15	DD	SW 8270	
Phenanthrene	280	140	100	ug/Kg	02/06/15	DD	SW 8270	
Phenol	ND	250	110	ug/Kg	02/06/15	DD	SW 8270	
Pyrene	270	250	120	ug/Kg	02/06/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	73			%	02/06/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	86			%	02/06/15	DD	30 - 130 %	
% 2-Fluorophenol	78			%	02/06/15	DD	30 - 130 %	
% Nitrobenzene-d5	69			%	02/06/15	DD	30 - 130 %	
% Phenol-d5	78			%	02/06/15	DD	30 - 130 %	
% Terphenyl-d14	85			%	02/06/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral								
1,4-Dichlorobenzene	ND	83	83	ug/L	02/09/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND	83	83	ug/L	02/09/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND	83	83	ug/L	02/09/15	DD	SW 8270	
2,4-Dinitrotoluene	ND	83	83	ug/L	02/09/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	83	83	ug/L	02/09/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND	83	83	ug/L	02/09/15	DD	SW 8270	
Hexachlorobenzene	ND	83	83	ug/L	02/09/15	DD	SW 8270	
Hexachlorobutadiene	ND	83	83	ug/L	02/09/15	DD	SW 8270	
Hexachloroethane	ND	83	83	ug/L	02/09/15	DD	SW 8270	
Nitrobenzene	ND	83	83	ug/L	02/09/15	DD	SW 8270	
Pentachlorophenol	ND	83	83	ug/L	02/09/15	DD	SW 8270	
Pyridine	ND	83	83	ug/L	02/09/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	102			%	02/09/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	86			%	02/09/15	DD	30 - 130 %	
% 2-Fluorophenol	70			%	02/09/15	DD	15 - 110 %	
% Nitrobenzene-d5	93			%	02/09/15	DD	30 - 130 %	
% Phenol-d5	58			%	02/09/15	DD	15 - 110 %	
% Terphenyl-d14	98			%	02/09/15	DD	30 - 130 %	
Aniline	ND	330		ug/Kg	02/06/15	DD	SW8270	
Benzoic Acid	ND	330		ug/Kg	02/06/15	DD	SW8270	1
Parathion	ND	360	140	ug/Kg	02/06/15	DD	SW8270	1

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 31 COMP

Phoenix I.D.: BH70957

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

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

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-tir

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This metho no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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

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

Phyllis Shiller, Laboratory Director
February 11, 2015

Criteria: NJ: RC; NY: 375

State: NY

Sample Criteria Exceedences Report

GBH70938 - IMPACT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH70941	$DPSVNJ_TCL	Benzo(a)pyrene	NJ / Soil Remediation Standard / Res. Direct Contact	280	150	200	200	ug/Kg
BH70945	$DPSVNJ_TCL	Benzo(a)pyrene	NJ / Soil Remediation Standard / Res. Direct Contact	220	140	200	200	ug/Kg
BH70945	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	96.3	0.37	50	50	mg/kg
BH70945	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	72.4	0.37	30	30	mg/Kg
BH70945	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	189	3.7	63	63	mg/Kg
BH70945	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	307	3.7	109	109	mg/Kg
BH70947	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	35.2	0.34	30		mg/Kg
BH70947	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	54.9	0.34	50	50	mg/kg
BH70947	TRI-CRSM	Trivalent Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	35.2	0.50	30	30	mg/kg
BH70949	$DPSVNJ_TCL	Benzo(a)pyrene	NJ / Soil Remediation Standard / Res. Direct Contact	950	150	200	200	ug/Kg
BH70949	$DPSVNJ_TCL	Benzo(b)fluoranthene	NJ / Soil Remediation Standard / Res. Direct Contact	1600	260	600	200	ug/Kg
BH70949	$DPSVNJ_TCL	Benz(a)anthracene	NJ / Soil Remediation Standard / Res. Direct Contact	1200	260	600	200	ug/Kg
BH70949	$DPSVNJ_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1600	260	1000	1000	ug/Kg
BH70949	$DPSVNJ_TCL	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1100	260	1000	1000	ug/Kg
BH70949	$DPSVNJ_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1200	260	1000	1000	ug/Kg
BH70949	$PCB_SMR	PCB-1016	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	850	76	100	100	ug/Kg
BH70949	CD-SM	Cadmium	NY / 375-6.8 Metals / Unrestricted Use Soil	5.41	0.39	2.5	2.5	mg/Kg
BH70949	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.21	0.03	0.18	0.18	mg/Kg
BH70949	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	238	3.9	63	63	mg/Kg
BH70949	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	495	3.9	109	109	mg/Kg
BH70951	$DPSVNJ_TCL	Benzo(b)fluoranthene	NJ / Soil Remediation Standard / Res. Direct Contact	4200	260	600	200	ug/Kg
BH70951	$DPSVNJ_TCL	Benzo(a)pyrene	NJ / Soil Remediation Standard / Res. Direct Contact	2500	150	200	200	ug/Kg
BH70951	$DPSVNJ_TCL	Benz(a)anthracene	NJ / Soil Remediation Standard / Res. Direct Contact	3100	260	600	200	ug/Kg
BH70951	$DPSVNJ_TCL	Indeno(1,2,3-cd)pyrene	NJ / Soil Remediation Standard / Res. Direct Contact	620	260	600	200	ug/Kg
BH70951	$DPSVNJ_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4200	260	1000	1000	ug/Kg
BH70951	$DPSVNJ_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3100	260	1000	1000	ug/Kg
BH70951	$DPSVNJ_TCL	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1300	260	800	800	ug/Kg
BH70951	$DPSVNJ_TCL	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2800	260	1000	1000	ug/Kg
BH70951	$DPSVNJ_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	620	260	500	500	ug/Kg
BH70951	$DPSVNJ_TCL	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2500	150	1000	1000	ug/Kg
BH70951	$PCB_SMR	PCB-1016	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	870	75	100	100	ug/Kg
BH70951	CD-SM	Cadmium	NY / 375-6.8 Metals / Unrestricted Use Soil	20.6	0.39	2.5	2.5	mg/Kg
BH70951	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	58.9	0.39	30		mg/Kg
BH70951	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	59.9	0.39	50	50	mg/kg
BH70951	HEXCRSM	Chromium, Hexavalent	NY / 375-6.8 Metals / Unrestricted Use Soil	1.14	0.46	1	1	mg/Kg
BH70951	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.40	0.03	0.18	0.18	mg/Kg
BH70951	PB-SM	Lead	NJ / Soil Remediation Standard / Res. Direct Contact	712	3.9	400	1	mg/Kg
BH70951	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	712	3.9	63	63	mg/Kg
BH70951	TRI-CRSM	Trivalent Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	57.8	0.50	30	30	mg/kg

Criteria: NJ: RC; NY: 375

State: NY

Sample Criteria Exceedences Report

GBH70938 - IMPACT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH70951	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	840	3.9	109	109	mg/Kg
BH70953	$DPSVNJ_TCL	Benzo(a)pyrene	NJ / Soil Remediation Standard / Res. Direct Contact	280	150	200	200	ug/Kg
BH70953	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.25	0.03	0.18	0.18	mg/Kg
BH70953	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	93.6	0.35	63	63	mg/Kg
BH70955	$DPSVNJ_TCL	Benz(a)anthracene	NJ / Soil Remediation Standard / Res. Direct Contact	880	250	600	200	ug/Kg
BH70955	$DPSVNJ_TCL	Benzo(a)pyrene	NJ / Soil Remediation Standard / Res. Direct Contact	800	140	200	200	ug/Kg
BH70955	$DPSVNJ_TCL	Benzo(b)fluoranthene	NJ / Soil Remediation Standard / Res. Direct Contact	1300	250	600	200	ug/Kg
BH70955	$DPSVNJ_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1300	250	1000	1000	ug/Kg

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

CHAIN OF CUSTODY

IMPACT ENVIRONMENTAL
170 Keyland Court, Bohemia, New York 11716
(Tel.) 631-269-8800 (Fax) 631-269-1599

Page ____ of ____

LAB NAME: Phoenix 4 wk TP

RECEIVED DATE:

Client Information

Company Name: Impact Environmental
Address: 170 Keyland Court
City: Bohemia
Project Contact: Xin Yuan
Phone #: 631-269-8800 Fax #: 631-269-1599
E-mail: xyuan@impactenvironmental.com

Project Information

Project Name: SW Marine Transfer Station
Street: 1824 Shore Parkway
City: Brooklyn State: NY Zip:
Project #: 7336
Sampler's Name: Xin Yuan
Sampler's Signature:

LAB SAMPLE # (LAB USE ONLY)	Sample ID	TEC Project Code	Matrix Code	Sample Type	Sample Date	Time	Total # of bottles	Impact Analytical Package A*	Impact Analytical Package B**	Impact Analytical Package C***	VOC 8260 (Analyte List for NY Part 375 and NJ NRDCSL)	GPH2 Analysis	VOCs 8260 (GPH4 Analyte List)	LAB USE ONLY
1	WC 22 1-2		S	G	2/15	9:15	3						X	70938
2	WC 22 Comp			C		9:15				X				70939
3	WC 26 2-3					9:35							X	70940
4	WC 26 Comp					9:35				X				70941
5	WC 34 2-3					10:00							X	70942
6	WC 34 Comp					10:00				X				70943
7	WC 6 1-2					10:30							X	70944
8	WC 6 Comp					10:30				X				70945
9	WC 7 1-2					11:20							X	70946
10	WC 7 Comp					11:20				X				70947

Matrix Codes: Liquid; S - Soil; A - Air; O - Oil; W - Wipe; WC - Paint Chips; SL - Sludge; SD - Solid; DW - Drinking Water; DISS - Dissolved

Sample Type: G - Grab; C - Composite; B - Blank

Turnaround Time (Business Days)

Standard Service
- [ ] Standard - 5 day
- [ ] Standard - 4 day
- [x] Standard - 3 day

Rush Service
- [ ] 48 Hour RUSH
- [ ] 24 Hour RUSH

(LAB USE ONLY) TAT Assigned By / Date:

Data Deliverable Information

- [ ] Results Only (Level-1)
- [ ] Results plus Misc. QC (Level-2)
- [ ] Results plus ALL QC (Level-3)
- [ ] PA QC Package
- [ ] NJ QC Package (Level3NJ)
- [ ] CLP Category A (Level-2)
- [ ] CLP Category B (Level-4)
- [ ] ASP QC Package (Level-4)
- [ ] Other: ____
- [x] EDD Format: pdf + excel

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TRIM, DEN)

REFERENCES

*Package A (proprietary) - Priority Pollutant Metals, SVOCs, Poly/Pest and Herbicides - to match all NJ DESRS & NY Part 375 parameters and detection limits. **Package B (proprietary) Same as Package A plus TCLP Metals & TPH. ***Package C (proprietary)- Same as Package B plus RCRA characteristics and Full TCLP

NOTES/COMMENTS

* Full List per Michael E. Gulo

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

Relinquished by Sampler:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	12/T 2:05	1	2	2/5/15 15:40	2
Relinquished By: 3	Date / Time: 3	Received By: 3	Relinquished By: 4	Date / Time: 4	Received By: 4
Relinquished by: 5	Date / Time: 5	Received By: 5			

COOLER INFORMATION

Cooler temp: ____ pH: ____ [ ] On Ice [ ] Sample Receipt Discrepancy (attach information)

Form SS-2/Nov. 2013

CHAIN OF CUSTODY

IMPACT ENVIRONMENTAL
170 Keyland Court, Bohemia, New York 11716
(Tel.) 631-269-8800 (Fax) 631-269-1599

Page ____ of ____

LAB NAME: Phoenix 4 week TAT

RECEIVED DATE:

Client Information

Company Name: Impact Environmental
Address: 170 Keyland Court
City: Bohemia
Project Contact: Xin Yuan
Phone #: 631 269-8800 Fax #: 631-269-1599
E-mail: xyuan@impactenvironmental.com

Project Information

Project Name: SW Marine Transfer Station
Street: 1839 Shore Parkway
City: Brooklyn State: NY Zip:
Project #: 7336
Sampler's Name: Xin Yuan
Sampler's Signature: Xin Yuan

Analytical Information

Matrix Codes: L - Liquid; S - Soil; A - Air; O - Oil; W - Wipe; PC - Paint Chips; SL - Sludge; SD - Silt; DW - Drinking Water; DSS - Dissolved

Sample Type: G=Grab; C=Composite; B=Blank

LAB SAMPLE # (LAB USE ONLY)	Sample ID	IEC Project Code	Matrix Code	Sample Type	Sample Date	Time	Total # of bottles	Impact Analytical Package A*	Impact Analytical Package B**	Impact Analytical Package C***	VOC 8260 (Analyze List for NY Part 375 and TI NRDCD)	GPRO Analysis	VOCs 8260 (CP51 Analyte List)				(LAB USE ONLY)
1	WC25 1-2		S	G	2/5	7:20	3						X			70948	
2	WC25 Comp			C		7:20				X						70949	
3	WC39 2-3					7:40							X			70950	
4	WC39 Comp					7:40				X						70951	
5	WC23 1-2					8:00							X			70952	
6	WC23 Comp					8:00				X						70953	
7	WC24 1-2					8:20							X			70954	
8	WC24 Comp					8:20				X						70955	
9	WC31 1-2					8:45							X			70956	
10	WC31 Comp					8:45				X						70957	

Turnaround Time (Business Days)

Standard Service
- [ ] Standard - 5 day
- [ ] Standard - 4 day
- [x] Standard - 3 day

Rush Service
- [ ] 48 Hour RUSH
- [ ] 24 Hour RUSH

(LAB USE ONLY) TAT Approved by/Date

Data Deliverable Information
- [ ] Results Only (Level-1)
- [ ] Results plus Misc. QC (Level-2)
- [ ] Results plus ALL QC (Level-3)
- [ ] PA QC Package
- [ ] NJ QC Package (Level-3&4)
- [ ] CLP Category A (Level-2)
- [ ] CLP Category B (Level-4)
- [ ] ASP QC Package (Level-4)
- [ ] Other ____
- [x] EDD Format pdf/excel

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Asdi, TAGM, OEM)

REFERENCES

*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - (0 method of NJ TCSRS & NY Part 375 parameters and detection limits. **Package B (proprietary)-Same as Package A, plus TCLP Metals & TPH. ***Package C (proprietary)- Same as Package B plus RCRA characteristics and Full TCLP

NOTES/COMMENTS

* Test not per Wilcrest

Sample custody must be documented below each time samples change possession, with a signature, date, and time.

Relinquished by Sampler:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	1 2/5 2:00	1	2	2 2-5-15 5:26	2
Relinquished by: 3	Date / Time: 3	Received By: 3	Relinquished By: 4	Date / Time: 4	Received By: 4
Relinquished by: 5	Date / Time: 5	Received By: 5			

COOLER INFORMATION

Cooler Temp: ____ pH: ____ [ ] On Ice [ ] Sample Receipt Discrepancy (attach information)

Form SS-2/Nov. 2013

Bobbi - Phoenixlabs

From: Michael - Phoenixlabs [michael@phoenixlabs.com]
Sent: Friday, February 06, 2015 9:45 AM
To: 'Bobbi - Phoenixlabs'
Subject: FW: Phoenix Labs - GBH70938, SW MARINE TRANSFER STATION - COC Acknowledgement
Attachments: Sample Acknowledgement.pdf

Bobbi:

Please put this and 70936 as a Rush 3 day instead of a Standard 3 day. Thank you.

Regards,
Michael Lapman
Account Manager
Phoenix Environmental Laboratories, Inc.
587 East Middle Turnpike
Manchester, CT 06040
T-860-812-0086 / C-917-449-0850 / F-860-645-0823
www.phoenixlabs.com

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From: clientservices@phoenixlabs.com [mailto:clientservices@phoenixlabs.com]
Sent: Friday, February 06, 2015 9:34 AM
To: michael@phoenixlabs.com
Subject: Phoenix Labs - GBH70938, SW MARINE TRANSFER STATION - COC Acknowledgement

Michael,

Delivery group GBH70938 (SW MARINE TRANSFER STATION) has been logged in for the following samples:

Phoenix Id	Client Id
BH70938	WC 22 1-2
BH70939	WC 22 COMP
BH70940	WC 26 2-3
BH70941	WC 26 COMP
BH70942	WC 34 2-3

BH70943	WC 34 COMP
BH70944	WC 6 1-2
BH70945	WC 6 COMP
BH70946	WC 7 1-2
BH70947	WC 7 COMP
BH70948	WC 25 1-2
BH70949	WC 25 COMP
BH70950	WC 39 2-3
BH70951	WC 39 COMP
BH70952	WC 23 1-2
BH70953	WC 23 COMP
BH70954	WC 24 1-2
BH70955	WC 24 COMP
BH70956	WC 31 1-2
BH70957	WC 31 COMP

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

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

Phoenix Environmental Laboratories, Inc.
587 East Middle Turnpike
P.O. Box 370
Manchester, CT 06374
Tel. (860) 645-1102
Fax. (860) 645-0823
www.phoenixlabs.com

Please do not reply to this email.

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 11, 2015

FOR: Attn: Mr. Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	XY	02/05/15	11:30
Location Code:	IMPACT	Received by:	LB	02/05/15	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70936
Phoenix ID: BH70936

Project ID: 7336
Client ID: DUP WC6 1-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/05/15	i	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	3.3	0.65	ug/Kg	02/06/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	3.3	0.65	ug/Kg	02/06/15	JLI	SW8260
1,3-Dichlorobenzene	ND	3.3	0.65	ug/Kg	02/06/15	JLI	SW8260
Naphthalene	ND	3.3	0.87	ug/Kg	02/06/15	JLI	SW8260
n-Butylbenzene	ND	3.3	0.65	ug/Kg	02/06/15	JLI	SW8260
n-Propylbenzene	ND	3.3	0.65	ug/Kg	02/06/15	JLI	SW8260
p-Isopropyltoluene	ND	3.3	0.65	ug/Kg	02/06/15	JLI	SW8260
sec-Butylbenzene	ND	3.3	0.65	ug/Kg	02/06/15	JLI	SW8260
tert-Butylbenzene	ND	3.3	0.65	ug/Kg	02/06/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102			%	02/06/15	JLI	SW8260
% Bromofluorobenzene	87			%	02/06/15	JLI	SW8260
% Dibromofluoromethane	99			%	02/06/15	JLI	SW8260
% Toluene-d8	89			%	02/06/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	65	65	ug/kg	02/06/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	3.3	0.65	ug/Kg	02/06/15	JLI	SW8260
1,1,1-Trichloroethane	ND	3.3	0.65	ug/Kg	02/06/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	3.3	0.46	ug/Kg	02/06/15	JLI	SW8260
1,1,2-Trichloroethane	ND	3.3	0.32	ug/Kg	02/06/15	JLI	SW8260
1,1-Dichloroethane	ND	3.3	0.64	ug/Kg	02/06/15	JLI	SW8260
1,1-Dichloroethene	ND	3.3	0.71	ug/Kg	02/06/15	JLI	SW8260

Project ID: 7336
Client ID: DUP WC6 1-2

Phoenix I.D.: BH70936

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		3.3	0.44	ug/Kg	02/06/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		3.3	0.38	ug/Kg	02/06/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		3.3	0.87	ug/Kg	02/06/15	JLI	SW8260
1,2-Dibromoethane	ND		3.3	0.86	ug/Kg	02/06/15	JLI	SW8260
1,2-Dichlorobenzene	ND		3.3	0.36	ug/Kg	02/06/15	JLI	SW8260
1,2-Dichloroethane	ND		3.3	0.29	ug/Kg	02/06/15	JLI	SW8260
1,2-Dichloropropane	ND		3.3	0.46	ug/Kg	02/06/15	JLI	SW8260
1,3-Dichlorobenzene	ND		3.3	0.48	ug/Kg	02/06/15	JLI	SW8260
1,4-Dichlorobenzene	ND		3.3	0.51	ug/Kg	02/06/15	JLI	SW8260
2-Hexanone	ND		16	1.5	ug/Kg	02/06/15	JLI	SW8260
4-Methyl-2-pentanone	ND		16	0.77	ug/Kg	02/06/15	JLI	SW8260
Acetone	10	JS	33	3.2	ug/Kg	02/06/15	JLI	SW8260
Acrolein	ND		16	2.6	ug/Kg	02/06/15	JLI	SW8260
Acrylonitrile	ND		6.5	1.8	ug/Kg	02/06/15	JLI	SW8260
Benzene	ND		3.3	0.64	ug/Kg	02/06/15	JLI	SW8260
Bromochloromethane	ND		3.3	0.47	ug/Kg	02/06/15	JLI	SW8260
Bromodichloromethane	ND		3.3	0.40	ug/Kg	02/06/15	JLI	SW8260
Bromoform	ND		3.3	0.46	ug/Kg	02/06/15	JLI	SW8260
Bromomethane	ND		3.3	2.5	ug/Kg	02/06/15	JLI	SW8260
Carbon Disulfide	0.71	J	3.3	0.53	ug/Kg	02/06/15	JLI	SW8260
Carbon tetrachloride	ND		3.3	0.38	ug/Kg	02/06/15	JLI	SW8260
Chlorobenzene	ND		3.3	0.48	ug/Kg	02/06/15	JLI	SW8260
Chloroethane	ND		3.3	0.76	ug/Kg	02/06/15	JLI	SW8260
Chloroform	ND		3.3	0.59	ug/Kg	02/06/15	JLI	SW8260
Chloromethane	ND		3.3	1.7	ug/Kg	02/06/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		3.3	0.71	ug/Kg	02/06/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		3.3	0.35	ug/Kg	02/06/15	JLI	SW8260
Cyclohexane	ND		3.3	3.3	ug/Kg	02/06/15	JLI	SW8260
Dibromochloromethane	ND		3.3	0.36	ug/Kg	02/06/15	JLI	SW8260
Dichlorodifluoromethane	ND		3.3	0.86	ug/Kg	02/06/15	JLI	SW8260
Ethylbenzene	ND		3.3	0.59	ug/Kg	02/06/15	JLI	SW8260
Isopropylbenzene	ND		3.3	0.62	ug/Kg	02/06/15	JLI	SW8260
m&p-Xylene	ND		3.3	1.3	ug/Kg	02/06/15	JLI	SW8260
Methyl ethyl ketone	ND		20	2.8	ug/Kg	02/06/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		6.5	0.90	ug/Kg	02/06/15	JLI	SW8260
Methylacetate	ND		3.3	3.3	ug/Kg	02/06/15	JLI	SW8260
Methylcyclohexane	ND		3.3	3.3	ug/Kg	02/06/15	JLI	SW8260
Methylene chloride	0.90	JS	3.3	0.53	ug/Kg	02/06/15	JLI	SW8260
o-Xylene	ND		3.3	1.2	ug/Kg	02/06/15	JLI	SW8260
Styrene	ND		3.3	0.94	ug/Kg	02/06/15	JLI	SW8260
tert-butyl alcohol	ND		65	65	ug/Kg	02/06/15	JLI	SW8260
Tetrachloroethene	ND		3.3	0.68	ug/Kg	02/06/15	JLI	SW8260
Toluene	ND		3.3	0.51	ug/Kg	02/06/15	JLI	SW8260
Total Xylenes	ND		3.3	3.3	ug/Kg	02/06/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		3.3	0.65	ug/Kg	02/06/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		3.3	0.66	ug/Kg	02/06/15	JLI	SW8260
Trichloroethene	ND		3.3	0.69	ug/Kg	02/06/15	JLI	SW8260
Trichlorofluoromethane	ND		3.3	0.72	ug/Kg	02/06/15	JLI	SW8260
Trichlorotrifluoroethane	ND		3.3	0.51	ug/Kg	02/06/15	JLI	SW8260

Project ID: 7336

Client ID: DUP WC6 1-2

Phoenix I.D.: BH70936

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	3.3	1.1	ug/Kg	02/06/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	102			%	02/06/15	JLI	70 - 130 %	
% Bromofluorobenzene	84			%	02/06/15	JLI	70 - 130 %	
% Dibromofluoromethane	99			%	02/06/15	JLI	70 - 130 %	
% Toluene-d8	89			%	02/06/15	JLI	70 - 130 %	
Vinyl Acetate	ND	33	33	ug/Kg	02/06/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

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 11, 2015

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 11, 2015

FOR: Attn: Mr. Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	XY	02/05/15	11:30
Location Code:	IMPACT	Received by:	LB	02/05/15	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70936
Phoenix ID: BH70937

Project ID: 7336
Client ID: DUP WC6 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.36	0.36	0.36	mg/Kg	02/06/15	LK	SW6010	
Aluminum	7100	54	7.2	mg/Kg	02/06/15	LK	SW6010	
Arsenic	4.5	0.7	0.72	mg/Kg	02/06/15	LK	SW6010	
Barium	59.5	0.36	0.36	mg/Kg	02/06/15	LK	SW6010	
Beryllium	0.55	0.29	0.14	mg/Kg	02/06/15	LK	SW6010	
Calcium	5330	5.4	3.3	mg/Kg	02/06/15	LK	SW6010	
Cadmium	< 0.36	0.36	0.14	mg/Kg	02/06/15	LK	SW6010	
Cobalt	6.97	0.36	0.36	mg/Kg	02/06/15	LK	SW6010	
Chromium	17.3	0.36	0.36	mg/Kg	02/06/15	LK	SW6010	
Copper	32.4	0.36	0.36	mg/kg	02/06/15	LK	SW6010	
Iron	12800	54	36	mg/Kg	02/06/15	LK	SW6010	B
Mercury	0.14	0.03	0.02	mg/Kg	02/06/15	RS	SW-7471	
Potassium	1050	5.4	2.8	mg/Kg	02/06/15	LK	SW6010	
Magnesium	2700	5.4	3.6	mg/Kg	02/06/15	LK	SW6010	
Manganese	185	3.6	3.6	mg/Kg	02/06/15	LK	SW6010	
Sodium	2020	5.4	3.1	mg/Kg	02/06/15	LK	SW6010	
Nickel	26.0	0.36	0.36	mg/Kg	02/06/15	LK	SW6010	B
Lead	129	0.36	0.36	mg/Kg	02/06/15	LK	SW6010	
Antimony	< 3.6	3.6	1.8	mg/Kg	02/06/15	LK	SW6010	
Selenium	< 1.4	1.4	1.2	mg/Kg	02/06/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/06/15	EK	SW6010	
TCLP Barium	0.82	0.10	0.010	mg/L	02/06/15	EK	SW6010	B
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/06/15	EK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/06/15	RS	SW7470	
TCLP Lead	0.73	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/06/15	EK	SW6010	

Project ID: 7336
Client ID: DUP WC6 COMP

Phoenix I.D.: BH70937

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.2	3.2	1.4	mg/Kg	02/06/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/06/15	I/I	SW3005	
Trivalent Chromium	17.3	0.50		mg/kg	02/10/15	CL	Calculation	
Vanadium	21.0	0.36	0.36	mg/Kg	02/06/15	LK	SW6010	
Zinc	97.3	0.36	0.36	mg/Kg	02/06/15	LK	SW6010	
Percent Solid	92			%	02/05/15	i	SW846	
Corrosivity	Negative			Pos/Neg	02/05/15	DH/KDB	SW846	1
Flash Point	>200	200		degree F	02/06/15	Y	SW1010	
Chromium, Hexavalent	< 0.43	0.43	0.43	mg/Kg	02/10/15 10:46	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/06/15	Y	SW846	1
pH - Soil	9.81	0.10		pH Units	02/05/15 22:00	DH/KDB	4500-H B/9045	1
Reactivity Cyanide	< 5.3	5.3	0.027	mg/Kg	02/06/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/06/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/06/15	EG	SW 846-7.3	1
Redox Potential	160	1.0		mV	02/05/15	DH/KDB	SM2580B	1
Total Cyanide	< 0.54	0.54	0.27	mg/Kg	02/05/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				02/05/15	JC/H	SW3545	
Soil Extraction for Pesticide	Completed				02/05/15	JC	SW3545	
Soil Extraction for SVOA	Completed				02/05/15	JJ/VH	SW3545	
Mercury Digestion	Completed				02/06/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/05/15	P/D	SW8151	
TCLP Digestion Mercury	Completed				02/06/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/06/15	F/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				02/05/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				02/05/15	I	1311	
TCLP Pesticides Extraction	Completed				02/06/15	L	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/06/15	L	SW3510	
TCLP Extraction Volatiles	Completed				02/05/15	Y	EPA 1311	
Total Metals Digest	Completed				02/05/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				02/05/15	CC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	45	45	ug/Kg	02/07/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	45	45	ug/Kg	02/07/15	BB	SW8151	
2,4-D	ND	45	45	ug/Kg	02/07/15	BB	SW8151	
2,4-DB	ND	450	450	ug/Kg	02/07/15	BB	SW8151	
Dalapon	ND	45	45	ug/Kg	02/07/15	BB	SW8151	
Dicamba	ND	90	90	ug/Kg	02/07/15	BB	SW8151	
Dichloroprop	ND	45	45	ug/Kg	02/07/15	BB	SW8151	
Dinoseb	ND	90	90	ug/Kg	02/07/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	62			%	02/07/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	72	72	ug/Kg	02/06/15	AW	SW 8082	
PCB-1221	ND	72	72	ug/Kg	02/06/15	AW	SW 8082	
PCB-1232	ND	72	72	ug/Kg	02/06/15	AW	SW 8082	
PCB-1242	ND	72	72	ug/Kg	02/06/15	AW	SW 8082	
PCB-1248	ND	72	72	ug/Kg	02/06/15	AW	SW 8082	
PCB-1254	ND	72	72	ug/Kg	02/06/15	AW	SW 8082	

Project ID: 7336
Client ID: DUP WC6 COMP

Phoenix I.D.: BH70937

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	72	72	ug/Kg	02/06/15	AW	SW 8082
PCB-1262	ND	72	72	ug/Kg	02/06/15	AW	SW 8082
PCB-1268	ND	72	72	ug/Kg	02/06/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	97			%	02/06/15	AW	30 - 150 %
% TCMX	94			%	02/06/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.1	2.1	ug/Kg	02/06/15	CE	SW8081
4,4' -DDE	ND	2.1	2.1	ug/Kg	02/06/15	CE	SW8081
4,4' -DDT	ND	2.1	2.1	ug/Kg	02/06/15	CE	SW8081
a-BHC	ND	7.2	7.2	ug/Kg	02/06/15	CE	SW8081
a-Chlordane	7.2	3.6	3.6	ug/Kg	02/06/15	CE	SW8081
Aldrin	ND	3.6	3.6	ug/Kg	02/06/15	CE	SW8081
b-BHC	ND	7.2	7.2	ug/Kg	02/06/15	CE	SW8081
Chlordane	41	36	36	ug/Kg	02/06/15	CE	SW8081
d-BHC	ND	7.2	7.2	ug/Kg	02/06/15	CE	SW8081
Dieldrin	ND	3.6	3.6	ug/Kg	02/06/15	CE	SW8081
Endosulfan I	ND	7.2	7.2	ug/Kg	02/06/15	CE	SW8081
Endosulfan II	ND	7.2	7.2	ug/Kg	02/06/15	CE	SW8081
Endosulfan sulfate	ND	7.2	7.2	ug/Kg	02/06/15	CE	SW8081
Endrin	ND	7.2	7.2	ug/Kg	02/06/15	CE	SW8081
Endrin aldehyde	ND	7.2	7.2	ug/Kg	02/06/15	CE	SW8081
Endrin ketone	ND	7.2	7.2	ug/Kg	02/06/15	CE	SW8081
g-BHC	ND	1.4	1.4	ug/Kg	02/06/15	CE	SW8081
g-Chlordane	8.6	3.6	3.6	ug/Kg	02/06/15	CE	SW8081
Heptachlor	ND	7.2	7.2	ug/Kg	02/06/15	CE	SW8081
Heptachlor epoxide	ND	7.2	7.2	ug/Kg	02/06/15	CE	SW8081
Methoxychlor	ND	36	36	ug/Kg	02/06/15	CE	SW8081
Toxaphene	ND	140	140	ug/Kg	02/06/15	CE	SW8081
QA/QC Surrogates							
% DCBP	94			%	02/06/15	CE	30 - 150 %
% TCMX	85			%	02/06/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
QA/QC Surrogates							
% DCAA	81			%	02/10/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/08/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/08/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/08/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/08/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/08/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/08/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081

Project ID: 7336
Client ID: DUP WC6 COMP

Phoenix I.D.: BH70937

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/08/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/08/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/08/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/08/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/08/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/08/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/08/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	76			%	02/08/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	77			%	02/08/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	54	54	mg/Kg	02/07/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	68			%	02/07/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/06/15	MH	SW8260
Benzene	ND	25	25	ug/L	02/06/15	MH	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/06/15	MH	SW8260
Chlorobenzene	ND	25	25	ug/L	02/06/15	MH	SW8260
Chloroform	ND	25	25	ug/L	02/06/15	MH	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/06/15	MH	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
Trichloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
Vinyl chloride	ND	25	25	ug/L	02/06/15	MH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99			%	02/06/15	MH	70 - 130 %
% Bromofluorobenzene	89			%	02/06/15	MH	70 - 130 %
% Dibromofluoromethane	88			%	02/06/15	MH	70 - 130 %
% Toluene-d8	96			%	02/06/15	MH	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	250	110	ug/Kg	02/06/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	250	120	ug/Kg	02/06/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	350	350	ug/Kg	02/06/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	250	160	ug/Kg	02/06/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	02/06/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	02/06/15	DD	SW 8270
2,4-Dichlorophenol	ND	140	120	ug/Kg	02/06/15	DD	SW 8270
2,4-Dimethylphenol	ND	250	87	ug/Kg	02/06/15	DD	SW 8270
2,4-Dinitrophenol	ND	250	250	ug/Kg	02/06/15	DD	SW 8270
2,4-Dinitrotoluene	ND	140	140	ug/Kg	02/06/15	DD	SW 8270
2,6-Dinitrotoluene	ND	140	110	ug/Kg	02/06/15	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	02/06/15	DD	SW 8270

Project ID: 7336
Client ID: DUP WC6 COMP

Phoenix I.D.: BH70937

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		250	100	ug/Kg	02/06/15	DD	SW 8270	
2-Methylnaphthalene	180	J	250	100	ug/Kg	02/06/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		250	170	ug/Kg	02/06/15	DD	SW 8270	
2-Nitroaniline	ND		1800	360	ug/Kg	02/06/15	DD	SW 8270	
2-Nitrophenol	ND		250	220	ug/Kg	02/06/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		250	140	ug/Kg	02/06/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		140	170	ug/Kg	02/06/15	DD	SW 8270	
3-Nitroaniline	ND		1800	770	ug/Kg	02/06/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		250	380	ug/Kg	02/06/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		250	100	ug/Kg	02/06/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	
4-Chloroaniline	ND		700	160	ug/Kg	02/06/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	
4-Nitroaniline	ND		1800	120	ug/Kg	02/06/15	DD	SW 8270	
4-Nitrophenol	ND		1800	160	ug/Kg	02/06/15	DD	SW 8270	
Acenaphthene	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Acenaphthylene	ND		140	99	ug/Kg	02/06/15	DD	SW 8270	
Acetophenone	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Anthracene	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	
Atrazine	ND		140	160	ug/Kg	02/06/15	DD	SW 8270	
Benz(a)anthracene	240	J	250	120	ug/Kg	02/06/15	DD	SW 8270	
Benzaldehyde	ND		250	100	ug/Kg	02/06/15	DD	SW 8270	
Benzidine	ND		530	530	ug/Kg	02/06/15	DD	SW 8270	
Benzo(a)pyrene	250		140	110	ug/Kg	02/06/15	DD	SW 8270	
Benzo(b)fluoranthene	360		250	120	ug/Kg	02/06/15	DD	SW 8270	
Benzo(ghi)perylene	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Benzo(k)fluoranthene	130	J	250	120	ug/Kg	02/06/15	DD	SW 8270	
Benzyl Alcohol	ND		350	350	ug/Kg	02/06/15	DD	SW 8270	
Benzyl butyl phthalate	ND		250	91	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		250	97	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		140	95	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		250	98	ug/Kg	02/06/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		250	100	ug/Kg	02/06/15	DD	SW 8270	
Caprolactam	ND		250	630	ug/Kg	02/06/15	DD	SW 8270	
Carbazole	ND		1800	270	ug/Kg	02/06/15	DD	SW 8270	
Chrysene	260		250	120	ug/Kg	02/06/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		140	110	ug/Kg	02/06/15	DD	SW 8270	
Dibenzofuran	ND		250	100	ug/Kg	02/06/15	DD	SW 8270	
Diethyl phthalate	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Dimethylphthalate	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Di-n-butylphthalate	ND		250	94	ug/Kg	02/06/15	DD	SW 8270	
Di-n-octylphthalate	ND		250	91	ug/Kg	02/06/15	DD	SW 8270	
Fluoranthene	360		250	110	ug/Kg	02/06/15	DD	SW 8270	
Fluorene	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorobenzene	ND		140	100	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorobutadiene	ND		250	130	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Hexachloroethane	ND		140	110	ug/Kg	02/06/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	

Project ID: 7336
Client ID: DUP WC6 COMP

Phoenix I.D.: BH70937

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND	140	99	ug/Kg	02/06/15	DD	SW 8270	
Naphthalene	ND	250	100	ug/Kg	02/06/15	DD	SW 8270	
Nitrobenzene	ND	140	120	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodimethylamine	ND	250	99	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	140	110	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND	140	140	ug/Kg	02/06/15	DD	SW 8270	
Pentachlorophenol	ND	250	130	ug/Kg	02/06/15	DD	SW 8270	
Phenanthrene	310	140	100	ug/Kg	02/06/15	DD	SW 8270	
Phenol	ND	250	110	ug/Kg	02/06/15	DD	SW 8270	
Pyrene	350	250	120	ug/Kg	02/06/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	76			%	02/06/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	92			%	02/06/15	DD	30 - 130 %	
% 2-Fluorophenol	87			%	02/06/15	DD	30 - 130 %	
% Nitrobenzene-d5	81			%	02/06/15	DD	30 - 130 %	
% Phenol-d5	86			%	02/06/15	DD	30 - 130 %	
% Terphenyl-d14	96			%	02/06/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral								
1,4-Dichlorobenzene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND	83	83	ug/L	02/08/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND	83	83	ug/L	02/08/15	DD	SW 8270	
2,4-Dinitrotoluene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	83	83	ug/L	02/08/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Hexachlorobenzene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Hexachlorobutadiene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Hexachloroethane	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Nitrobenzene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Pentachlorophenol	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Pyridine	ND	83	83	ug/L	02/08/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	99			%	02/08/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	77			%	02/08/15	DD	30 - 130 %	
% 2-Fluorophenol	61			%	02/08/15	DD	15 - 110 %	
% Nitrobenzene-d5	81			%	02/08/15	DD	30 - 130 %	
% Phenol-d5	51			%	02/08/15	DD	15 - 110 %	
% Terphenyl-d14	102			%	02/08/15	DD	30 - 130 %	
Aniline	ND	330		ug/Kg	02/06/15	DD	SW8270	
Benzoic Acid	ND	330		ug/Kg	02/06/15	DD	SW8270	1
Parathion	ND	350	140	ug/Kg	02/06/15	DD	SW8270	1

Project ID: 7336

Client ID: DUP WC6 COMP

Phoenix I.D.: BH70937

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

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

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-tir

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This metho no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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

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

Phyllis Shiller, Laboratory Director
February 11, 2015

Sample Criteria Exceedences Report

GBH70936 - IMPACT

Criteria: None

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

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

CHAIN OF CUSTODY

IMPACT ENVIRONMENTAL
170 Keyland Court, Bohemia, New York 11716
(Tel.) 631-269-8800 (Fax) 631-269-1599

Page ____ of ____

LAB NAME: Phoenix 4 wk TP

RECEIVED DATE:

Client Information

Company Name: Impact Environmental
Address: 170 Keyland Court
City: Bohemia
Project Contact: Xin Yuan
Phone #: 631-269-8800 Fax #: 631-269-1599
E-mail: xyuan@impactenvironmental.com

Project Information

Project Name: SW Marine Transfer Station
Street: 182X Shore Parkway
City: Brooklyn State: NY Zip:
Project #: 7336
Sampler's Name: Xin Yuan
Sampler's Signature:

LAB SAMPLE # (LAB USE ONLY)	Sample Information: Sample ID	IEC Project Code	Sample Collection: Matrix Code	Sample Type	Sample Date	Time	Sample Containers (Number of Each Preserved Bottle): Total # of bottles	Intact (Y or N)	HS	HC	Method (VOCs, SVOCs, etc.)	Bottle Used for QC/Spike	Impact Analytical Package A*	Impact Analytical Package B**	Impact Analytical Package C***	VOC 8260 (analyte list for NY Part 375 and NC NRCC)	GP682 Analysis	VOCs 8260 (CP51 Analyte List)						Matrix Codes: L - Liquid, S - Soil, A - Air, OIL - Oil, W - Wipe, PC - Paint Chips, SL - Sludge, WO - Waste Oil, DW - Drinking Water, DES - Dissolved	Sample Type: G-Grab, C-Composite, B-Blank	(LAB USE ONLY)
1	DUP WC 6 1-2		S	G	12/5	11:30	3											X									70436
2	DUP WC comp		S	C	"	11:30	1								X												70437
3																											
4																											
5																											
6																											
7																											
8																											
9																											
10																											

Turnaround Time (Business Days)

Standard Service
- [ ] Standard - 5 day
- [ ] Standard - 4 day
- [X] Standard - 3 day

Rush Service
- [ ] 48 Hour *RUSH*
- [ ] 24 Hour *RUSH*

(LAB USE ONLY) Est. Received by: Date:

Data Deliverables Information

- [ ] Results Only (Level-1)
- [ ] Results plus Misc. QC (Level-2)
- [ ] Results plus ALL QC (Level-3)
- [ ] PA QC Package
- [ ] NJ QC Package (Level-4)
- [ ] CLP Category A (Level-2)
- [ ] CLP Category B (Level-4)
- [ ] ASP QC Package (Level-4)
- [ ] Other ____
- [X] EDD Format pitt+ever

(EDD Formats: Excel, pdf, EQUIS, GIS, QUIKKey, SPDES, Ascii, TAGM, Other)

REFERENCES

*Package A (required) - Priority Pollutants Metals, SVOCs, PCB/Pest, and Herbicides - to match at NC DCSRS & NY Part 375 parameters and detection limits. **Package B (proprietary)-Same as Package A, plus TCLP Metals & TPH. ***Package C (proprietary)- Same as Package B plus RCRA characteristics and Full TCLP

NOTES/COMMENTS

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

Relinquished by Sampler	Date / Time	Received By	Relinquished By	Date / Time	Received By
1 Xin Yuan	12/5 2:00	1 [signature]	2 [signature]	2 12-5	2 [signature]
Relinquished by: 3	Date / Time: 3	Received By: 3	Relinquished By: 4	Date / Time: 4	Received By: 4
Relinquished by: 5	Date / Time: 5	Received By: 5			

COOLER INFORMATION

Cooler Temp ____ pH ____ [ ] On Ice [ ] Sample Receipt Discrepancy (attach information)

Form SS-2/Nov. 2013

Bobbi - Phoenixlabs

From: Michael - Phoenixlabs [michael@phoenixlabs.com]
Sent: Friday, February 06, 2015 9:45 AM
To: 'Bobbi - Phoenixlabs'
Subject: FW: Phoenix Labs - GBH70938, SW MARINE TRANSFER STATION - COC Acknowledgement
Attachments: Sample Acknowledgement.pdf

Bobbi:

Please put this and 70936 as a Rush 3 day instead of a Standard 3 day. Thank you.

Regards,
Michael Lapman
Account Manager
Phoenix Environmental Laboratories, Inc.
587 East Middle Turnpike
Manchester, CT 06040
T-860-812-0086 / C-917-449-0850 / F-860-645-0823
www.phoenixlabs.com

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From: clientservices@phoenixlabs.com [mailto:clientservices@phoenixlabs.com]
Sent: Friday, February 06, 2015 9:34 AM
To: michael@phoenixlabs.com
Subject: Phoenix Labs - GBH70938, SW MARINE TRANSFER STATION - COC Acknowledgement

Michael,

Delivery group GBH70938 (SW MARINE TRANSFER STATION) has been logged in for the following samples:

Phoenix Id	Client Id
BH70938	WC 22 1-2
BH70939	WC 22 COMP
BH70940	WC 26 2-3
BH70941	WC 26 COMP
BH70942	WC 34 2-3

BH70943	WC 34 COMP
BH70944	WC 6 1-2
BH70945	WC 6 COMP
BH70946	WC 7 1-2
BH70947	WC 7 COMP
BH70948	WC 25 1-2
BH70949	WC 25 COMP
BH70950	WC 39 2-3
BH70951	WC 39 COMP
BH70952	WC 23 1-2
BH70953	WC 23 COMP
BH70954	WC 24 1-2
BH70955	WC 24 COMP
BH70956	WC 31 1-2
BH70957	WC 31 COMP

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

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

Phoenix Environmental Laboratories, Inc.
587 East Middle Turnpike
P.O. Box 370
Manchester, CT 06374
Tel. (860) 645-1102
Fax. (860) 645-0823
www.phoenixlabs.com

Please do not reply to this email.

Linda - Phoenixlabs

From: Xin Yuan [xyuan@impactenvironmental.com]
Sent: Wednesday, February 11, 2015 12:52 PM
To: Michael - Phoenixlabs; Linda - Phoenixlabs
Cc: Douglas Birkmire
Subject: RE: 7336
Attachments: Pages from Analytical Report_2.pdf

Michael and Linda, can you change DUP WC COMP to DUP WC6 COMP as the revised COC shows? Thanks.

Xin

From: Michael - Phoenixlabs [mailto:michael@phoenixlabs.com]
Sent: Wednesday, February 11, 2015 12:00 PM
To: Xin Yuan
Cc: Douglas Birkmire
Subject: FW: 7336

Attached....

Regards,
Michael Lapman
Account Manager
Phoenix Environmental Laboratories, Inc.
587 East Middle Turnpike
Manchester, CT 06040
T-860-812-0086 / C 917-449-0850 / F-860-645-0823
www.phoenixlabs.com

PHOENIX
Environmental Laboratories, Inc.

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From: Linda - Phoenixlabs [mailto:linda@phoenixlabs.com]
Sent: Wednesday, February 11, 2015 11:58 AM
To: 'Xin Yuan'
Cc: 'Michael - Phoenixlabs'
Subject: 7336

<<...>> <<...>>

CHAIN OF CUSTODY

IMPACT ENVIRONMENTAL
170 Keyland Court, Bohemia, New York 11716
(Tel.) 631-269-8800 (Fax) 631-269-1599

Page ____ of ____

LAB NAME: Phoenix 4 day TP

RECEIVED DATE:

Client Information

Company Name: Impact Environmental
Address: 170 Keyland Court
City: Bohemia
Project Contact: Xin Yuan
Phone #: 631-269-8800 Fax #: 631-269-1599
E-mail: xyuan@impactenvironmental.com

Project Information

Project Name: SW Marine Transfer Station
Street: 1824 Shore Parkway
City: Brooklyn State: NY Zip:
Project #: 7336
Sampler's Name: Xin Yuan
Sampler's Signature:

LAB Sample Log #	Sample Information: Sample ID	Client Project Code	Sample Collection: Matrix Code	Sample Type	Sample Date	Time	Sample Containers (Number of Each Preserved Bottle): Total # of Bottles	Vials	Jars	Poly	Metal Tubes	Bags	Impact Analytical Package #	Impact Analytical Package Item	Impact Analytical Package Code	TVOC/SVOC (analytical for NY Part 375 and NYSDEC)	Lead Analysis	Volatile Organic Aromatic Library					
1	DUP WC6 1-2		S	G	2/5/22	11:20	3											X					
2	DUP WC6 Comp		S	C	"	11:20	3								X								
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							

Matrix Codes: L - Liquid; S - Soil; A - Air; Cu - Oil; W - Water; PC - Paint Chips; SL - Sludge; Wp - Wipe; LW - Leaching Water; DW - Drinking Water

Sample Type: G - Grab; C - Composite; U - Wipe

Turnaround Time

Standard Service
- [ ] Standard - 5 day
- [ ] Standard - 4 day
- [X] Standard - 3 day

Rush Service
- [ ] 48 Hour RUSH
- [ ] 24 Hour RUSH

Data Deliverables
- [ ] Reduced (Level 1)
- [ ] Reduced plus Misc QC (Level 2)
- [ ] Regulatory Full QC (Level 3)
- [ ] PA QC Package
- [ ] NYSDEC Package (Level 4)
- [ ] CLP Category A (Level 3)
- [ ] CLP Category B (Level 4)
- [ ] ASP QC Package (Level 4)
- [ ] Other _____
- [X] EDD Format pdf/excel

(EDD Formats: Excel, pdf, EQuIS, XML, ASCII, SPDES, ASP, TAGM, other)

Remarks

Pesticides (pesticide Y, Pesticide Pollutants Metals, SVOCs, VOCs/Pest, and Herbicides to include all NYSDEC & NYSDOH 375 parameters and detection limits. **Package B (proprietary) Same as Package B plus NYSDEC parameters and detection limits. **Package C (proprietary) Same as Package B plus NYSDEC parameters and full TCLP

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

Relinquished by Sampler:	Date / Time:	Received by:	Relinquished by:	Date / Time:	Received by:
1 Xin Yuan	1 2/5 2:00	1 [signature]	2 [signature]	2 2-5-22	2 [signature]
Relinquished by:	Date / Time:	Received by:	Relinquished by:	Date / Time:	Received by:
3	3	3	4	4	4
Relinquished by:	Date / Time:	Received by:			
5	5	5			

Cooler Temp: ____ Seals: ____ [ ] On Ice [ ] Sample Receipt Exceptions (see back for information)

Form SS-2 Nov. 2013

PHOENIX
Environmental Laboratories, Inc.

Friday, February 13, 2015

Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Project ID: SW MARINE TRANSFER STATION
Sample ID#s: BH70542 - BH70571

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

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

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

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

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

Sincerely yours,

Phyllis Shiller
Laboratory Director

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

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

SDG Comments

February 13, 2015

SDG I.D.: GBH70542

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

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 13, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/04/15	11:30
Location Code:	IMPACT	Received by:	SW	02/04/15	17:06
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70542
Phoenix ID: BH70542

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 48 2-3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/04/15	I	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	3.4	0.67	ug/Kg	02/06/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	3.4	0.67	ug/Kg	02/06/15	JLI	SW8260
1,3-Dichlorobenzene	ND	3.4	0.67	ug/Kg	02/06/15	JLI	SW8260
Naphthalene	ND	3.4	0.90	ug/Kg	02/06/15	JLI	SW8260
n-Butylbenzene	ND	3.4	0.67	ug/Kg	02/06/15	JLI	SW8260
n-Propylbenzene	ND	3.4	0.67	ug/Kg	02/06/15	JLI	SW8260
p-Isopropyltoluene	ND	3.4	0.67	ug/Kg	02/06/15	JLI	SW8260
sec-Butylbenzene	ND	3.4	0.67	ug/Kg	02/06/15	JLI	SW8260
tert-Butylbenzene	ND	3.4	0.67	ug/Kg	02/06/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	96			%	02/06/15	JLI	SW8260
% Bromofluorobenzene	94			%	02/06/15	JLI	SW8260
% Dibromofluoromethane	94			%	02/06/15	JLI	SW8260
% Toluene-d8	91			%	02/06/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	67	67	ug/kg	02/06/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	3.4	0.67	ug/Kg	02/06/15	JLI	SW8260
1,1,1-Trichloroethane	ND	3.4	0.67	ug/Kg	02/06/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	3.4	0.48	ug/Kg	02/06/15	JLI	SW8260
1,1,2-Trichloroethane	ND	3.4	0.33	ug/Kg	02/06/15	JLI	SW8260
1,1-Dichloroethane	ND	3.4	0.66	ug/Kg	02/06/15	JLI	SW8260
1,1-Dichloroethene	ND	3.4	0.73	ug/Kg	02/06/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 48 2-3

Phoenix I.D.: BH70542

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		3.4	0.45	ug/Kg	02/06/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		3.4	0.40	ug/Kg	02/06/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		3.4	0.90	ug/Kg	02/06/15	JLI	SW8260
1,2-Dibromoethane	ND		3.4	0.89	ug/Kg	02/06/15	JLI	SW8260
1,2-Dichlorobenzene	ND		3.4	0.37	ug/Kg	02/06/15	JLI	SW8260
1,2-Dichloroethane	ND		3.4	0.29	ug/Kg	02/06/15	JLI	SW8260
1,2-Dichloropropane	ND		3.4	0.48	ug/Kg	02/06/15	JLI	SW8260
1,3-Dichlorobenzene	ND		3.4	0.50	ug/Kg	02/06/15	JLI	SW8260
1,4-Dichlorobenzene	ND		3.4	0.53	ug/Kg	02/06/15	JLI	SW8260
2-Hexanone	ND		17	1.5	ug/Kg	02/06/15	JLI	SW8260
4-Methyl-2-pentanone	ND		17	0.80	ug/Kg	02/06/15	JLI	SW8260
Acetone	ND		34	3.3	ug/Kg	02/06/15	JLI	SW8260
Acrolein	ND		17	2.7	ug/Kg	02/06/15	JLI	SW8260
Acrylonitrile	ND		6.7	1.9	ug/Kg	02/06/15	JLI	SW8260
Benzene	ND		3.4	0.66	ug/Kg	02/06/15	JLI	SW8260
Bromochloromethane	ND		3.4	0.49	ug/Kg	02/06/15	JLI	SW8260
Bromodichloromethane	ND		3.4	0.42	ug/Kg	02/06/15	JLI	SW8260
Bromoform	ND		3.4	0.47	ug/Kg	02/06/15	JLI	SW8260
Bromomethane	ND		3.4	2.6	ug/Kg	02/06/15	JLI	SW8260
Carbon Disulfide	ND		3.4	0.54	ug/Kg	02/06/15	JLI	SW8260
Carbon tetrachloride	ND		3.4	0.39	ug/Kg	02/06/15	JLI	SW8260
Chlorobenzene	ND		3.4	0.50	ug/Kg	02/06/15	JLI	SW8260
Chloroethane	ND		3.4	0.78	ug/Kg	02/06/15	JLI	SW8260
Chloroform	ND		3.4	0.61	ug/Kg	02/06/15	JLI	SW8260
Chloromethane	ND		3.4	1.8	ug/Kg	02/06/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		3.4	0.73	ug/Kg	02/06/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		3.4	0.36	ug/Kg	02/06/15	JLI	SW8260
Cyclohexane	ND		3.4	3.4	ug/Kg	02/06/15	JLI	SW8260
Dibromochloromethane	ND		3.4	0.38	ug/Kg	02/06/15	JLI	SW8260
Dichlorodifluoromethane	ND		3.4	0.89	ug/Kg	02/06/15	JLI	SW8260
Ethylbenzene	ND		3.4	0.61	ug/Kg	02/06/15	JLI	SW8260
Isopropylbenzene	ND		3.4	0.64	ug/Kg	02/06/15	JLI	SW8260
m&p-Xylene	ND		3.4	1.3	ug/Kg	02/06/15	JLI	SW8260
Methyl ethyl ketone	ND		20	2.9	ug/Kg	02/06/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		6.7	0.92	ug/Kg	02/06/15	JLI	SW8260
Methylacetate	ND		3.4	3.4	ug/Kg	02/06/15	JLI	SW8260
Methylcyclohexane	ND		3.4	3.4	ug/Kg	02/06/15	JLI	SW8260
Methylene chloride	2.0	JS	3.4	0.55	ug/Kg	02/06/15	JLI	SW8260
o-Xylene	ND		3.4	1.3	ug/Kg	02/06/15	JLI	SW8260
Styrene	ND		3.4	0.96	ug/Kg	02/06/15	JLI	SW8260
tert-butyl alcohol	ND		67	67	ug/Kg	02/06/15	JLI	SW8260
Tetrachloroethene	ND		3.4	0.70	ug/Kg	02/06/15	JLI	SW8260
Toluene	ND		3.4	0.53	ug/Kg	02/06/15	JLI	SW8260
Total Xylenes	ND		3.4	3.4	ug/Kg	02/06/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		3.4	0.67	ug/Kg	02/06/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		3.4	0.68	ug/Kg	02/06/15	JLI	SW8260
Trichloroethene	ND		3.4	0.71	ug/Kg	02/06/15	JLI	SW8260
Trichlorofluoromethane	ND		3.4	0.74	ug/Kg	02/06/15	JLI	SW8260
Trichlorotrifluoroethane	ND		3.4	0.52	ug/Kg	02/06/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 48 2-3

Phoenix I.D.: BH70542

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	3.4	1.1	ug/Kg	02/06/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	95			%	02/06/15	JLI	70 - 130 %	
% Bromofluorobenzene	92			%	02/06/15	JLI	70 - 130 %	
% Dibromofluoromethane	94			%	02/06/15	JLI	70 - 130 %	
% Toluene-d8	91			%	02/06/15	JLI	70 - 130 %	
Vinyl Acetate	ND	34	34	ug/Kg	02/06/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

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 13, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 13, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/04/15	11:30
Location Code:	IMPACT	Received by:	SW	02/04/15	17:06
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70542
Phoenix ID: BH70543

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 48 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.34	0.34	0.34	mg/Kg	02/05/15	LK	SW6010	
Aluminum	7110	52	6.9	mg/Kg	02/05/15	LK	SW6010	
Arsenic	4.8	0.7	0.69	mg/Kg	02/05/15	LK	SW6010	
Barium	154	0.34	0.34	mg/Kg	02/05/15	LK	SW6010	
Beryllium	0.43	0.27	0.14	mg/Kg	02/05/15	LK	SW6010	
Calcium	5600	5.2	3.2	mg/Kg	02/05/15	LK	SW6010	B
Cadmium	< 0.34	0.34	0.14	mg/Kg	02/05/15	LK	SW6010	
Cobalt	9.25	0.34	0.34	mg/Kg	02/05/15	LK	SW6010	
Chromium	15.9	0.34	0.34	mg/Kg	02/05/15	LK	SW6010	
Copper	24.4	0.34	0.34	mg/kg	02/05/15	LK	SW6010	
Iron	16200	52	34	mg/Kg	02/05/15	LK	SW6010	
Mercury	0.07	0.03	0.02	mg/Kg	02/05/15	RS	SW-7471	
Potassium	914	5.2	2.7	mg/Kg	02/05/15	LK	SW6010	
Magnesium	2880	5.2	3.4	mg/Kg	02/05/15	LK	SW6010	
Manganese	223	3.4	3.4	mg/Kg	02/05/15	LK	SW6010	
Sodium	190	5.2	3.0	mg/Kg	02/05/15	LK	SW6010	
Nickel	58.7	0.34	0.34	mg/Kg	02/05/15	LK	SW6010	
Lead	53.4	0.34	0.34	mg/Kg	02/05/15	LK	SW6010	
Antimony	< 3.4	3.4	1.7	mg/Kg	02/05/15	LK	SW6010	
Selenium	< 1.4	1.4	1.2	mg/Kg	02/05/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/05/15	EK	SW6010	
TCLP Barium	0.72	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/05/15	EK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/05/15	RS	SW7470	
TCLP Lead	0.14	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/05/15	EK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 48 COMP

Phoenix I.D.: BH70543

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.1	3.1	1.4	mg/Kg	02/05/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/05/15	I/I	SW3005	
Trivalent Chromium	15.9	0.50		mg/kg	02/05/15	CL	Calculation	
Vanadium	21.6	0.34	0.34	mg/Kg	02/05/15	LK	SW6010	
Zinc	69.2	0.34	0.34	mg/Kg	02/05/15	LK	SW6010	
Percent Solid	91			%	02/04/15	I	SW846	
Corrosivity	Negative			Pos/Neg	02/04/15	O/EG	SW846	1
Flash Point	>200	200		degree F	02/05/15	Y	SW1010	
Chromium, Hexavalent	< 0.46	0.46	0.46	mg/Kg	02/05/15 14:55	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/05/15	Y	SW846	1
pH - Soil	8.62	0.10		pH Units	02/04/15 20:00	O/EG	4500-H B/9045	1
Reactivity Cyanide	< 5.4	5.4	0.027	mg/Kg	02/05/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/05/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/05/15	EG	SW 846-7.3	1
Redox Potential	163	1.0		mV	02/04/15	O/EG	SM2580B	1
Total Cyanide	< 0.55	0.55	0.27	mg/Kg	02/05/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				02/04/15	BC/H	SW3545	
Soil Extraction for Pesticide	Completed				02/04/15	BC	SW3545	
Soil Extraction for SVOA	Completed				02/04/15	JJ/VH	SW3545	
Mercury Digestion	Completed				02/05/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/04/15	P/DW	SW8151	
TCLP Digestion Mercury	Completed				02/05/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/05/15	F/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				02/04/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				02/04/15	I	1311	
TCLP Pesticides Extraction	Completed				02/05/15	L	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/05/15	L	SW3510	
TCLP Extraction Volatiles	Completed				02/04/15	Y	EPA 1311	
Total Metals Digest	Completed				02/04/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				02/04/15	BC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	45	45	ug/Kg	02/06/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	45	45	ug/Kg	02/06/15	BB	SW8151	
2,4-D	ND	45	45	ug/Kg	02/06/15	BB	SW8151	
2,4-DB	ND	450	450	ug/Kg	02/06/15	BB	SW8151	
Dalapon	ND	45	45	ug/Kg	02/06/15	BB	SW8151	
Dicamba	ND	91	91	ug/Kg	02/06/15	BB	SW8151	
Dichloroprop	ND	45	45	ug/Kg	02/06/15	BB	SW8151	
Dinoseb	ND	91	91	ug/Kg	02/06/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	66			%	02/06/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	71	71	ug/Kg	02/05/15	AW	SW 8082	
PCB-1221	ND	71	71	ug/Kg	02/05/15	AW	SW 8082	
PCB-1232	ND	71	71	ug/Kg	02/05/15	AW	SW 8082	
PCB-1242	ND	71	71	ug/Kg	02/05/15	AW	SW 8082	
PCB-1248	ND	71	71	ug/Kg	02/05/15	AW	SW 8082	
PCB-1254	ND	71	71	ug/Kg	02/05/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 48 COMP

Phoenix I.D.: BH70543

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	71	71	ug/Kg	02/05/15	AW	SW 8082
PCB-1262	ND	71	71	ug/Kg	02/05/15	AW	SW 8082
PCB-1268	ND	71	71	ug/Kg	02/05/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	77			%	02/05/15	AW	30 - 150 %
% TCMX	80			%	02/05/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.1	2.1	ug/Kg	02/06/15	CE	SW8081
4,4' -DDE	ND	2.1	2.1	ug/Kg	02/06/15	CE	SW8081
4,4' -DDT	ND	2.1	2.1	ug/Kg	02/06/15	CE	SW8081
a-BHC	ND	7.1	7.1	ug/Kg	02/06/15	CE	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	02/06/15	CE	SW8081
Aldrin	ND	3.6	3.6	ug/Kg	02/06/15	CE	SW8081
b-BHC	ND	7.1	7.1	ug/Kg	02/06/15	CE	SW8081
Chlordane	ND	36	36	ug/Kg	02/06/15	CE	SW8081
d-BHC	ND	7.1	7.1	ug/Kg	02/06/15	CE	SW8081
Dieldrin	ND	3.6	3.6	ug/Kg	02/06/15	CE	SW8081
Endosulfan I	ND	7.1	7.1	ug/Kg	02/06/15	CE	SW8081
Endosulfan II	ND	7.1	7.1	ug/Kg	02/06/15	CE	SW8081
Endosulfan sulfate	ND	7.1	7.1	ug/Kg	02/06/15	CE	SW8081
Endrin	ND	7.1	7.1	ug/Kg	02/06/15	CE	SW8081
Endrin aldehyde	ND	7.1	7.1	ug/Kg	02/06/15	CE	SW8081
Endrin ketone	ND	7.1	7.1	ug/Kg	02/06/15	CE	SW8081
g-BHC	ND	1.4	1.4	ug/Kg	02/06/15	CE	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	02/06/15	CE	SW8081
Heptachlor	ND	7.1	7.1	ug/Kg	02/06/15	CE	SW8081
Heptachlor epoxide	ND	7.1	7.1	ug/Kg	02/06/15	CE	SW8081
Methoxychlor	ND	36	36	ug/Kg	02/06/15	CE	SW8081
Toxaphene	ND	140	140	ug/Kg	02/06/15	CE	SW8081
QA/QC Surrogates							
% DCBP	81			%	02/06/15	CE	30 - 150 %
% TCMX	84			%	02/06/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
QA/QC Surrogates							
% DCAA	52			%	02/10/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/07/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/07/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/07/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/07/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/07/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/07/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/07/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/07/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/07/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/07/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/07/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/07/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/07/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/07/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/07/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/07/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	66			%	02/07/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	78			%	02/07/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	54	54	mg/Kg	02/08/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	93			%	02/08/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/05/15	HM	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/05/15	HM	SW8260
Benzene	ND	25	25	ug/L	02/05/15	HM	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/05/15	HM	SW8260
Chlorobenzene	ND	25	25	ug/L	02/05/15	HM	SW8260
Chloroform	ND	25	25	ug/L	02/05/15	HM	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/05/15	HM	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/05/15	HM	SW8260
Trichloroethene	ND	25	25	ug/L	02/05/15	HM	SW8260
Vinyl chloride	ND	25	25	ug/L	02/05/15	HM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100			%	02/05/15	HM	70 - 130 %
% Bromofluorobenzene	110			%	02/05/15	HM	70 - 130 %
% Dibromofluoromethane	103			%	02/05/15	HM	70 - 130 %
% Toluene-d8	104			%	02/05/15	HM	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	260	110	ug/Kg	02/05/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	02/05/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	360	360	ug/Kg	02/05/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	260	170	ug/Kg	02/05/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	02/05/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	02/05/15	DD	SW 8270
2,4-Dichlorophenol	ND	150	130	ug/Kg	02/05/15	DD	SW 8270
2,4-Dimethylphenol	ND	260	90	ug/Kg	02/05/15	DD	SW 8270
2,4-Dinitrophenol	ND	260	260	ug/Kg	02/05/15	DD	SW 8270
2,4-Dinitrotoluene	ND	150	140	ug/Kg	02/05/15	DD	SW 8270
2,6-Dinitrotoluene	ND	150	120	ug/Kg	02/05/15	DD	SW 8270
2-Chloronaphthalene	ND	260	100	ug/Kg	02/05/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 48 COMP

Phoenix I.D.: BH70543

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		260	100	ug/Kg	02/05/15	DD	SW 8270	
2-Methylnaphthalene	ND		260	110	ug/Kg	02/05/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		260	170	ug/Kg	02/05/15	DD	SW 8270	
2-Nitroaniline	ND		1800	370	ug/Kg	02/05/15	DD	SW 8270	
2-Nitrophenol	ND		260	230	ug/Kg	02/05/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		260	140	ug/Kg	02/05/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		150	170	ug/Kg	02/05/15	DD	SW 8270	
3-Nitroaniline	ND		1800	790	ug/Kg	02/05/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		260	390	ug/Kg	02/05/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		260	110	ug/Kg	02/05/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		260	130	ug/Kg	02/05/15	DD	SW 8270	
4-Chloroaniline	ND		730	170	ug/Kg	02/05/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		260	120	ug/Kg	02/05/15	DD	SW 8270	
4-Nitroaniline	ND		1800	120	ug/Kg	02/05/15	DD	SW 8270	
4-Nitrophenol	ND		1800	160	ug/Kg	02/05/15	DD	SW 8270	
Acenaphthene	180	J	260	110	ug/Kg	02/05/15	DD	SW 8270	
Acenaphthylene	ND		150	100	ug/Kg	02/05/15	DD	SW 8270	
Acetophenone	ND		260	110	ug/Kg	02/05/15	DD	SW 8270	
Anthracene	480		260	120	ug/Kg	02/05/15	DD	SW 8270	
Atrazine	ND		150	160	ug/Kg	02/05/15	DD	SW 8270	
Benz(a)anthracene	1200		260	120	ug/Kg	02/05/15	DD	SW 8270	
Benzaldehyde	ND		260	110	ug/Kg	02/05/15	DD	SW 8270	
Benzidine	ND		550	550	ug/Kg	02/05/15	DD	SW 8270	
Benzo(a)pyrene	930		150	120	ug/Kg	02/05/15	DD	SW 8270	
Benzo(b)fluoranthene	1200		260	120	ug/Kg	02/05/15	DD	SW 8270	
Benzo(ghi)perylene	490		260	120	ug/Kg	02/05/15	DD	SW 8270	
Benzo(k)fluoranthene	440		260	120	ug/Kg	02/05/15	DD	SW 8270	
Benzyl Alcohol	ND		360	360	ug/Kg	02/05/15	DD	SW 8270	
Benzyl butyl phthalate	ND		260	94	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		260	100	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		150	98	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		260	100	ug/Kg	02/05/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		260	100	ug/Kg	02/05/15	DD	SW 8270	
Caprolactam	ND		260	650	ug/Kg	02/05/15	DD	SW 8270	
Carbazole	ND		1800	280	ug/Kg	02/05/15	DD	SW 8270	
Chrysene	1200		260	120	ug/Kg	02/05/15	DD	SW 8270	
Dibenz(a,h)anthracene	120	J	150	120	ug/Kg	02/05/15	DD	SW 8270	
Dibenzofuran	ND		260	110	ug/Kg	02/05/15	DD	SW 8270	
Diethyl phthalate	ND		260	120	ug/Kg	02/05/15	DD	SW 8270	
Dimethylphthalate	ND		260	110	ug/Kg	02/05/15	DD	SW 8270	
Di-n-butylphthalate	ND		260	97	ug/Kg	02/05/15	DD	SW 8270	
Di-n-octylphthalate	ND		260	94	ug/Kg	02/05/15	DD	SW 8270	
Fluoranthene	2600		260	120	ug/Kg	02/05/15	DD	SW 8270	
Fluorene	180	J	260	120	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorobenzene	ND		150	110	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorobutadiene	ND		260	130	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		260	110	ug/Kg	02/05/15	DD	SW 8270	
Hexachloroethane	ND		150	110	ug/Kg	02/05/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	530		260	120	ug/Kg	02/05/15	DD	SW 8270	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 48 COMP

Phoenix I.D.: BH70543

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND	150	100	ug/Kg	02/05/15	DD	SW 8270	
Naphthalene	ND	260	100	ug/Kg	02/05/15	DD	SW 8270	
Nitrobenzene	ND	150	130	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodimethylamine	ND	260	100	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	150	120	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND	150	140	ug/Kg	02/05/15	DD	SW 8270	
Pentachlorophenol	ND	260	140	ug/Kg	02/05/15	DD	SW 8270	
Phenanthrene	2000	150	100	ug/Kg	02/05/15	DD	SW 8270	
Phenol	ND	260	120	ug/Kg	02/05/15	DD	SW 8270	
Pyrene	2100	260	130	ug/Kg	02/05/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	99			%	02/05/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	78			%	02/05/15	DD	30 - 130 %	
% 2-Fluorophenol	71			%	02/05/15	DD	30 - 130 %	
% Nitrobenzene-d5	93			%	02/05/15	DD	30 - 130 %	
% Phenol-d5	79			%	02/05/15	DD	30 - 130 %	
% Terphenyl-d14	80			%	02/05/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral								
1,4-Dichlorobenzene	ND	83	83	ug/L	02/06/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND	83	83	ug/L	02/06/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND	83	83	ug/L	02/06/15	DD	SW 8270	
2,4-Dinitrotoluene	ND	83	83	ug/L	02/06/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	83	83	ug/L	02/06/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND	83	83	ug/L	02/06/15	DD	SW 8270	
Hexachlorobenzene	ND	83	83	ug/L	02/06/15	DD	SW 8270	
Hexachlorobutadiene	ND	83	83	ug/L	02/06/15	DD	SW 8270	
Hexachloroethane	ND	83	83	ug/L	02/06/15	DD	SW 8270	
Nitrobenzene	ND	83	83	ug/L	02/06/15	DD	SW 8270	
Pentachlorophenol	ND	83	83	ug/L	02/06/15	DD	SW 8270	
Pyridine	ND	83	83	ug/L	02/06/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	91			%	02/06/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	68			%	02/06/15	DD	30 - 130 %	
% 2-Fluorophenol	56			%	02/06/15	DD	15 - 110 %	
% Nitrobenzene-d5	73			%	02/06/15	DD	30 - 130 %	
% Phenol-d5	48			%	02/06/15	DD	15 - 110 %	
% Terphenyl-d14	100			%	02/06/15	DD	30 - 130 %	
Aniline	ND	330		ug/Kg	02/05/15	DD	SW8270	
Benzoic Acid	ND	330		ug/Kg	02/05/15	DD	SW8270	1
Parathion	ND	5		ug/Kg	02/05/15	DD	SW8270	1

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 48 COMP

Phoenix I.D.: BH70543

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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 13, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 13, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/04/15	11:55
Location Code:	IMPACT	Received by:	SW	02/04/15	17:06
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70542
Phoenix ID: BH70544

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 42 1-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/04/15	I	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	4.9	0.97	ug/Kg	02/06/15	HM	SW8260
1,3,5-Trimethylbenzene	ND	4.9	0.97	ug/Kg	02/06/15	HM	SW8260
1,3-Dichlorobenzene	ND	4.9	0.97	ug/Kg	02/06/15	HM	SW8260
Naphthalene	ND	4.9	1.3	ug/Kg	02/06/15	HM	SW8260
n-Butylbenzene	ND	4.9	0.97	ug/Kg	02/06/15	HM	SW8260
n-Propylbenzene	ND	4.9	0.97	ug/Kg	02/06/15	HM	SW8260
p-Isopropyltoluene	ND	4.9	0.97	ug/Kg	02/06/15	HM	SW8260
sec-Butylbenzene	ND	4.9	0.97	ug/Kg	02/06/15	HM	SW8260
tert-Butylbenzene	ND	4.9	0.97	ug/Kg	02/06/15	HM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	98			%	02/06/15	HM	SW8260
% Bromofluorobenzene	88			%	02/06/15	HM	SW8260
% Dibromofluoromethane	104			%	02/06/15	HM	SW8260
% Toluene-d8	87			%	02/06/15	HM	SW8260
1,4-dioxane							
1,4-dioxane	ND	97	97	ug/kg	02/06/15	HM	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	4.9	0.97	ug/Kg	02/06/15	HM	SW8260
1,1,1-Trichloroethane	ND	4.9	0.97	ug/Kg	02/06/15	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	4.9	0.69	ug/Kg	02/06/15	HM	SW8260
1,1,2-Trichloroethane	ND	4.9	0.48	ug/Kg	02/06/15	HM	SW8260
1,1-Dichloroethane	ND	4.9	0.96	ug/Kg	02/06/15	HM	SW8260
1,1-Dichloroethene	ND	4.9	1.1	ug/Kg	02/06/15	HM	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 42 1-2

Phoenix I.D.: BH70544

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		4.9	0.65	ug/Kg	02/06/15	HM	SW8260
1,2,4-Trichlorobenzene	ND		4.9	0.57	ug/Kg	02/06/15	HM	SW8260
1,2-Dibromo-3-chloropropane	ND		4.9	1.3	ug/Kg	02/06/15	HM	SW8260
1,2-Dibromoethane	ND		4.9	1.3	ug/Kg	02/06/15	HM	SW8260
1,2-Dichlorobenzene	ND		4.9	0.53	ug/Kg	02/06/15	HM	SW8260
1,2-Dichloroethane	ND		4.9	0.43	ug/Kg	02/06/15	HM	SW8260
1,2-Dichloropropane	ND		4.9	0.69	ug/Kg	02/06/15	HM	SW8260
1,3-Dichlorobenzene	ND		4.9	0.72	ug/Kg	02/06/15	HM	SW8260
1,4-Dichlorobenzene	ND		4.9	0.77	ug/Kg	02/06/15	HM	SW8260
2-Hexanone	ND		24	2.2	ug/Kg	02/06/15	HM	SW8260
4-Methyl-2-pentanone	ND		24	1.2	ug/Kg	02/06/15	HM	SW8260
Acetone	ND		49	4.8	ug/Kg	02/06/15	HM	SW8260
Acrolein	ND		24	3.9	ug/Kg	02/06/15	HM	SW8260
Acrylonitrile	ND		9.7	2.7	ug/Kg	02/06/15	HM	SW8260
Benzene	ND		4.9	0.96	ug/Kg	02/06/15	HM	SW8260
Bromochloromethane	ND		4.9	0.71	ug/Kg	02/06/15	HM	SW8260
Bromodichloromethane	ND		4.9	0.60	ug/Kg	02/06/15	HM	SW8260
Bromoform	ND		4.9	0.68	ug/Kg	02/06/15	HM	SW8260
Bromomethane	ND		4.9	3.7	ug/Kg	02/06/15	HM	SW8260
Carbon Disulfide	ND		4.9	0.79	ug/Kg	02/06/15	HM	SW8260
Carbon tetrachloride	ND		4.9	0.56	ug/Kg	02/06/15	HM	SW8260
Chlorobenzene	ND		4.9	0.72	ug/Kg	02/06/15	HM	SW8260
Chloroethane	ND		4.9	1.1	ug/Kg	02/06/15	HM	SW8260
Chloroform	ND		4.9	0.88	ug/Kg	02/06/15	HM	SW8260
Chloromethane	ND		4.9	2.5	ug/Kg	02/06/15	HM	SW8260
cis-1,2-Dichloroethene	ND		4.9	1.1	ug/Kg	02/06/15	HM	SW8260
cis-1,3-Dichloropropene	ND		4.9	0.52	ug/Kg	02/06/15	HM	SW8260
Cyclohexane	ND		4.9	4.9	ug/Kg	02/06/15	HM	SW8260
Dibromochloromethane	ND		4.9	0.54	ug/Kg	02/06/15	HM	SW8260
Dichlorodifluoromethane	ND		4.9	1.3	ug/Kg	02/06/15	HM	SW8260
Ethylbenzene	ND		4.9	0.88	ug/Kg	02/06/15	HM	SW8260
Isopropylbenzene	ND		4.9	0.93	ug/Kg	02/06/15	HM	SW8260
m&p-Xylene	ND		4.9	1.9	ug/Kg	02/06/15	HM	SW8260
Methyl ethyl ketone	ND		29	4.2	ug/Kg	02/06/15	HM	SW8260
Methyl t-butyl ether (MTBE)	ND		9.7	1.3	ug/Kg	02/06/15	HM	SW8260
Methylacetate	ND		4.9	4.9	ug/Kg	02/06/15	HM	SW8260
Methylcyclohexane	ND		4.9	4.9	ug/Kg	02/06/15	HM	SW8260
Methylene chloride	1.5	JS	4.9	0.80	ug/Kg	02/06/15	HM	SW8260
o-Xylene	ND		4.9	1.9	ug/Kg	02/06/15	HM	SW8260
Styrene	ND		4.9	1.4	ug/Kg	02/06/15	HM	SW8260
tert-butyl alcohol	ND		97	97	ug/Kg	02/06/15	HM	SW8260
Tetrachloroethene	ND		4.9	1.0	ug/Kg	02/06/15	HM	SW8260
Toluene	ND		4.9	0.77	ug/Kg	02/06/15	HM	SW8260
Total Xylenes	ND		4.9	4.9	ug/Kg	02/06/15	HM	SW8260
trans-1,2-Dichloroethene	ND		4.9	0.97	ug/Kg	02/06/15	HM	SW8260
trans-1,3-Dichloropropene	ND		4.9	0.99	ug/Kg	02/06/15	HM	SW8260
Trichloroethene	ND		4.9	1.0	ug/Kg	02/06/15	HM	SW8260
Trichlorofluoromethane	ND		4.9	1.1	ug/Kg	02/06/15	HM	SW8260
Trichlorotrifluoroethane	ND		4.9	0.76	ug/Kg	02/06/15	HM	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 42 1-2

Phoenix I.D.: BH70544

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	4.9	1.6	ug/Kg	02/06/15	HM	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	98			%	02/06/15	HM	70 - 130 %	
% Bromofluorobenzene	85			%	02/06/15	HM	70 - 130 %	
% Dibromofluoromethane	104			%	02/06/15	HM	70 - 130 %	
% Toluene-d8	87			%	02/06/15	HM	70 - 130 %	
Vinyl Acetate	ND	49	49	ug/Kg	02/06/15	HM	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

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 13, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 13, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/04/15	11:55
Location Code:	IMPACT	Received by:	SW	02/04/15	17:06
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70542
Phoenix ID: BH70545

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 42 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.33	0.33	0.33	mg/Kg	02/05/15	LK	SW6010	
Aluminum	5970	50	6.7	mg/Kg	02/05/15	LK	SW6010	
Arsenic	4.9	0.7	0.67	mg/Kg	02/05/15	LK	SW6010	
Barium	59.3	0.33	0.33	mg/Kg	02/05/15	LK	SW6010	
Beryllium	0.34	0.27	0.13	mg/Kg	02/05/15	LK	SW6010	
Calcium	3110	5.0	3.1	mg/Kg	02/05/15	LK	SW6010	B
Cadmium	< 0.33	0.33	0.13	mg/Kg	02/05/15	LK	SW6010	
Cobalt	4.81	0.33	0.33	mg/Kg	02/05/15	LK	SW6010	
Chromium	14.5	0.33	0.33	mg/Kg	02/05/15	LK	SW6010	
Copper	16.2	0.33	0.33	mg/kg	02/05/15	LK	SW6010	
Iron	10800	50	33	mg/Kg	02/05/15	LK	SW6010	
Mercury	0.21	0.03	0.02	mg/Kg	02/05/15	RS	SW-7471	
Potassium	872	5.0	2.6	mg/Kg	02/05/15	LK	SW6010	
Magnesium	3170	5.0	3.3	mg/Kg	02/05/15	LK	SW6010	
Manganese	234	3.3	3.3	mg/Kg	02/05/15	LK	SW6010	
Sodium	207	5.0	2.9	mg/Kg	02/05/15	LK	SW6010	
Nickel	19.8	0.33	0.33	mg/Kg	02/05/15	LK	SW6010	
Lead	57.8	0.33	0.33	mg/Kg	02/05/15	LK	SW6010	
Antimony	< 3.3	3.3	1.7	mg/Kg	02/05/15	LK	SW6010	
Selenium	< 1.3	1.3	1.1	mg/Kg	02/05/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/05/15	EK	SW6010	
TCLP Barium	0.56	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/05/15	EK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/05/15	RS	SW7470	
TCLP Lead	0.15	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/05/15	EK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 42 COMP

Phoenix I.D.: BH70545

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.0	3.0	1.3	mg/Kg	02/05/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/05/15	I/I	SW3005	
Trivalent Chromium	14.5	0.50		mg/kg	02/05/15	CL	Calculation	
Vanadium	17.5	0.33	0.33	mg/Kg	02/05/15	LK	SW6010	
Zinc	75.9	0.33	0.33	mg/Kg	02/05/15	LK	SW6010	
Percent Solid	89			%	02/04/15	I	SW846	
Corrosivity	Negative			Pos/Neg	02/04/15	O/EG	SW846	1
Flash Point	>200	200		degree F	02/05/15	Y	SW1010	
Chromium, Hexavalent	< 0.45	0.45	0.45	mg/Kg	02/05/15 14:55	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/05/15	Y	SW846	1
pH - Soil	10.29	0.10		pH Units	02/04/15 20:00	O/EG	4500-H B/9045	1
Reactivity Cyanide	< 5.6	5.6	0.028	mg/Kg	02/05/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/05/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/05/15	EG	SW 846-7.3	1
Redox Potential	146	1.0		mV	02/04/15	O/EG	SM2580B	1
Total Cyanide	< 0.56	0.56	0.28	mg/Kg	02/05/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				02/04/15	BC/H	SW3545	
Soil Extraction for Pesticide	Completed				02/04/15	BC	SW3545	
Soil Extraction for SVOA	Completed				02/04/15	JJ/VH	SW3545	
Mercury Digestion	Completed				02/05/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/04/15	P/DW	SW8151	
TCLP Digestion Mercury	Completed				02/05/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/05/15	F/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				02/04/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				02/04/15	I	1311	
TCLP Pesticides Extraction	Completed				02/05/15	T	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/05/15	L	SW3510	
TCLP Extraction Volatiles	Completed				02/04/15	Y	EPA 1311	
Total Metals Digest	Completed				02/04/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				02/04/15	BC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	46	46	ug/Kg	02/06/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	46	46	ug/Kg	02/06/15	BB	SW8151	
2,4-D	ND	46	46	ug/Kg	02/06/15	BB	SW8151	
2,4-DB	ND	460	460	ug/Kg	02/06/15	BB	SW8151	
Dalapon	ND	46	46	ug/Kg	02/06/15	BB	SW8151	
Dicamba	ND	93	93	ug/Kg	02/06/15	BB	SW8151	
Dichloroprop	ND	46	46	ug/Kg	02/06/15	BB	SW8151	
Dinoseb	ND	93	93	ug/Kg	02/06/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	60			%	02/06/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	73	73	ug/Kg	02/05/15	AW	SW 8082	
PCB-1221	ND	73	73	ug/Kg	02/05/15	AW	SW 8082	
PCB-1232	ND	73	73	ug/Kg	02/05/15	AW	SW 8082	
PCB-1242	ND	73	73	ug/Kg	02/05/15	AW	SW 8082	
PCB-1248	ND	73	73	ug/Kg	02/05/15	AW	SW 8082	
PCB-1254	ND	73	73	ug/Kg	02/05/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 42 COMP

Phoenix I.D.: BH70545

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	73	73	ug/Kg	02/05/15	AW	SW 8082
PCB-1262	ND	73	73	ug/Kg	02/05/15	AW	SW 8082
PCB-1268	ND	73	73	ug/Kg	02/05/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	73			%	02/05/15	AW	30 - 150 %
% TCMX	77			%	02/05/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.2	2.2	ug/Kg	02/06/15	CE	SW8081
4,4' -DDE	ND	2.2	2.2	ug/Kg	02/06/15	CE	SW8081
4,4' -DDT	ND	2.2	2.2	ug/Kg	02/06/15	CE	SW8081
a-BHC	ND	7.3	7.3	ug/Kg	02/06/15	CE	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	02/06/15	CE	SW8081
Aldrin	ND	3.6	3.6	ug/Kg	02/06/15	CE	SW8081
b-BHC	ND	7.3	7.3	ug/Kg	02/06/15	CE	SW8081
Chlordane	ND	36	36	ug/Kg	02/06/15	CE	SW8081
d-BHC	ND	7.3	7.3	ug/Kg	02/06/15	CE	SW8081
Dieldrin	ND	3.6	3.6	ug/Kg	02/06/15	CE	SW8081
Endosulfan I	ND	7.3	7.3	ug/Kg	02/06/15	CE	SW8081
Endosulfan II	ND	7.3	7.3	ug/Kg	02/06/15	CE	SW8081
Endosulfan sulfate	ND	7.3	7.3	ug/Kg	02/06/15	CE	SW8081
Endrin	ND	7.3	7.3	ug/Kg	02/06/15	CE	SW8081
Endrin aldehyde	ND	7.3	7.3	ug/Kg	02/06/15	CE	SW8081
Endrin ketone	ND	7.3	7.3	ug/Kg	02/06/15	CE	SW8081
g-BHC	ND	1.5	1.5	ug/Kg	02/06/15	CE	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	02/06/15	CE	SW8081
Heptachlor	ND	7.3	7.3	ug/Kg	02/06/15	CE	SW8081
Heptachlor epoxide	ND	7.3	7.3	ug/Kg	02/06/15	CE	SW8081
Methoxychlor	ND	36	36	ug/Kg	02/06/15	CE	SW8081
Toxaphene	ND	150	150	ug/Kg	02/06/15	CE	SW8081
QA/QC Surrogates							
% DCBP	80			%	02/06/15	CE	30 - 150 %
% TCMX	76			%	02/06/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
QA/QC Surrogates							
% DCAA	64			%	02/10/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/07/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/07/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/07/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/07/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/07/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/07/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/07/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/07/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/07/15	CE	SW 8081

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 42 COMP

Phoenix I.D.: BH70545

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/07/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/07/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/07/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/07/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/07/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/07/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/07/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	96			%	02/07/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	86			%	02/07/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	55	55	mg/Kg	02/08/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	85			%	02/08/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/05/15	HM	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/05/15	HM	SW8260
Benzene	ND	25	25	ug/L	02/05/15	HM	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/05/15	HM	SW8260
Chlorobenzene	ND	25	25	ug/L	02/05/15	HM	SW8260
Chloroform	ND	25	25	ug/L	02/05/15	HM	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/05/15	HM	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/05/15	HM	SW8260
Trichloroethene	ND	25	25	ug/L	02/05/15	HM	SW8260
Vinyl chloride	ND	25	25	ug/L	02/05/15	HM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99			%	02/05/15	HM	70 - 130 %
% Bromofluorobenzene	97			%	02/05/15	HM	70 - 130 %
% Dibromofluoromethane	100			%	02/05/15	HM	70 - 130 %
% Toluene-d8	101			%	02/05/15	HM	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	510	220	ug/Kg	02/05/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	510	260	ug/Kg	02/05/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	700	730	ug/Kg	02/05/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	510	340	ug/Kg	02/05/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	510	400	ug/Kg	02/05/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	290	230	ug/Kg	02/05/15	DD	SW 8270
2,4-Dichlorophenol	ND	290	260	ug/Kg	02/05/15	DD	SW 8270
2,4-Dimethylphenol	ND	510	180	ug/Kg	02/05/15	DD	SW 8270
2,4-Dinitrophenol	ND	510	510	ug/Kg	02/05/15	DD	SW 8270
2,4-Dinitrotoluene	ND	290	290	ug/Kg	02/05/15	DD	SW 8270
2,6-Dinitrotoluene	ND	290	230	ug/Kg	02/05/15	DD	SW 8270
2-Chloronaphthalene	ND	510	210	ug/Kg	02/05/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 42 COMP

Phoenix I.D.: BH70545

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		510	210	ug/Kg	02/05/15	DD	SW 8270	
2-Methylnaphthalene	ND		510	220	ug/Kg	02/05/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		330	340	ug/Kg	02/05/15	DD	SW 8270	
2-Nitroaniline	ND		3600	730	ug/Kg	02/05/15	DD	SW 8270	
2-Nitrophenol	ND		510	460	ug/Kg	02/05/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		510	290	ug/Kg	02/05/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		290	340	ug/Kg	02/05/15	DD	SW 8270	
3-Nitroaniline	ND		3600	1600	ug/Kg	02/05/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		510	780	ug/Kg	02/05/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		510	210	ug/Kg	02/05/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		510	260	ug/Kg	02/05/15	DD	SW 8270	
4-Chloroaniline	ND		1500	340	ug/Kg	02/05/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		510	240	ug/Kg	02/05/15	DD	SW 8270	
4-Nitroaniline	ND		3600	240	ug/Kg	02/05/15	DD	SW 8270	
4-Nitrophenol	ND		3600	330	ug/Kg	02/05/15	DD	SW 8270	
Acenaphthene	ND		510	220	ug/Kg	02/05/15	DD	SW 8270	
Acenaphthylene	ND		290	200	ug/Kg	02/05/15	DD	SW 8270	
Acetophenone	ND		510	230	ug/Kg	02/05/15	DD	SW 8270	
Anthracene	ND		510	240	ug/Kg	02/05/15	DD	SW 8270	
Atrazine	ND		290	330	ug/Kg	02/05/15	DD	SW 8270	
Benz(a)anthracene	ND		510	240	ug/Kg	02/05/15	DD	SW 8270	
Benzaldehyde	ND		510	220	ug/Kg	02/05/15	DD	SW 8270	
Benzidine	ND		700	1100	ug/Kg	02/05/15	DD	SW 8270	
Benzo(a)pyrene	ND		200	240	ug/Kg	02/05/15	DD	SW 8270	
Benzo(b)fluoranthene	300	J	510	250	ug/Kg	02/05/15	DD	SW 8270	
Benzo(ghi)perylene	ND		510	240	ug/Kg	02/05/15	DD	SW 8270	
Benzo(k)fluoranthene	ND		510	240	ug/Kg	02/05/15	DD	SW 8270	
Benzyl Alcohol	ND		730	730	ug/Kg	02/05/15	DD	SW 8270	
Benzyl butyl phthalate	ND		510	190	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		510	200	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		290	200	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		510	200	ug/Kg	02/05/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		510	210	ug/Kg	02/05/15	DD	SW 8270	
Caprolactam	ND		510	1300	ug/Kg	02/05/15	DD	SW 8270	
Carbazole	ND		3600	550	ug/Kg	02/05/15	DD	SW 8270	
Chrysene	ND		510	240	ug/Kg	02/05/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		200	240	ug/Kg	02/05/15	DD	SW 8270	
Dibenzofuran	ND		510	210	ug/Kg	02/05/15	DD	SW 8270	
Diethyl phthalate	ND		510	230	ug/Kg	02/05/15	DD	SW 8270	
Dimethylphthalate	ND		510	230	ug/Kg	02/05/15	DD	SW 8270	
Di-n-butylphthalate	ND		510	190	ug/Kg	02/05/15	DD	SW 8270	
Di-n-octylphthalate	ND		510	190	ug/Kg	02/05/15	DD	SW 8270	
Fluoranthene	480	J	510	240	ug/Kg	02/05/15	DD	SW 8270	
Fluorene	ND		510	240	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorobenzene	ND		290	210	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorobutadiene	ND		510	260	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		510	220	ug/Kg	02/05/15	DD	SW 8270	
Hexachloroethane	ND		290	220	ug/Kg	02/05/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND		500	240	ug/Kg	02/05/15	DD	SW 8270	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 42 COMP

Phoenix I.D.: BH70545

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND		290	200	ug/Kg	02/05/15	DD	SW 8270	
Naphthalene	ND		510	210	ug/Kg	02/05/15	DD	SW 8270	
Nitrobenzene	ND		290	250	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodimethylamine	ND		510	210	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		200	240	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND		290	280	ug/Kg	02/05/15	DD	SW 8270	
Pentachlorophenol	ND		510	280	ug/Kg	02/05/15	DD	SW 8270	
Phenanthrene	280	J	290	210	ug/Kg	02/05/15	DD	SW 8270	
Phenol	ND		330	230	ug/Kg	02/05/15	DD	SW 8270	
Pyrene	460	J	510	250	ug/Kg	02/05/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	91				%	02/05/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	76				%	02/05/15	DD	30 - 130 %	
% 2-Fluorophenol	66				%	02/05/15	DD	30 - 130 %	
% Nitrobenzene-d5	83				%	02/05/15	DD	30 - 130 %	
% Phenol-d5	73				%	02/05/15	DD	30 - 130 %	
% Terphenyl-d14	92				%	02/05/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral									
1,4-Dichlorobenzene	ND		83	83	ug/L	02/06/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND		83	83	ug/L	02/06/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND		83	83	ug/L	02/06/15	DD	SW 8270	
2,4-Dinitrotoluene	ND		83	83	ug/L	02/06/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		83	83	ug/L	02/06/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND		83	83	ug/L	02/06/15	DD	SW 8270	
Hexachlorobenzene	ND		83	83	ug/L	02/06/15	DD	SW 8270	
Hexachlorobutadiene	ND		83	83	ug/L	02/06/15	DD	SW 8270	
Hexachloroethane	ND		83	83	ug/L	02/06/15	DD	SW 8270	
Nitrobenzene	ND		83	83	ug/L	02/06/15	DD	SW 8270	
Pentachlorophenol	ND		83	83	ug/L	02/06/15	DD	SW 8270	
Pyridine	ND		83	83	ug/L	02/06/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	88				%	02/06/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	69				%	02/06/15	DD	30 - 130 %	
% 2-Fluorophenol	56				%	02/06/15	DD	15 - 110 %	
% Nitrobenzene-d5	78				%	02/06/15	DD	30 - 130 %	
% Phenol-d5	51				%	02/06/15	DD	15 - 110 %	
% Terphenyl-d14	89				%	02/06/15	DD	30 - 130 %	
Aniline	ND		330		ug/Kg	02/06/15	DD	SW8270	
Benzoic Acid	ND		330		ug/Kg	02/06/15	DD	SW8270	1
Parathion	ND		5		ug/Kg	02/06/15	DD	SW8270	1

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 42 COMP

Phoenix I.D.: BH70545

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

Semi-Volatile Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
February 13, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 13, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/04/15	12:45
Location Code:	IMPACT	Received by:	SW	02/04/15	17:06
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70542
Phoenix ID: BH70546

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 47 2-3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/04/15	I	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	2.2	0.44	ug/Kg	02/06/15	HM	SW8260
1,3,5-Trimethylbenzene	ND	2.2	0.44	ug/Kg	02/06/15	HM	SW8260
1,3-Dichlorobenzene	ND	2.2	0.44	ug/Kg	02/06/15	HM	SW8260
Naphthalene	ND	2.2	0.59	ug/Kg	02/06/15	HM	SW8260
n-Butylbenzene	ND	2.2	0.44	ug/Kg	02/06/15	HM	SW8260
n-Propylbenzene	ND	2.2	0.44	ug/Kg	02/06/15	HM	SW8260
p-Isopropyltoluene	ND	2.2	0.44	ug/Kg	02/06/15	HM	SW8260
sec-Butylbenzene	ND	2.2	0.44	ug/Kg	02/06/15	HM	SW8260
tert-Butylbenzene	ND	2.2	0.44	ug/Kg	02/06/15	HM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100			%	02/06/15	HM	SW8260
% Bromofluorobenzene	92			%	02/06/15	HM	SW8260
% Dibromofluoromethane	101			%	02/06/15	HM	SW8260
% Toluene-d8	89			%	02/06/15	HM	SW8260
1,4-dioxane							
1,4-dioxane	ND	44	44	ug/kg	02/06/15	HM	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	2.2	0.44	ug/Kg	02/06/15	HM	SW8260
1,1,1-Trichloroethane	ND	2.2	0.44	ug/Kg	02/06/15	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	2.2	0.31	ug/Kg	02/06/15	HM	SW8260
1,1,2-Trichloroethane	ND	2.2	0.22	ug/Kg	02/06/15	HM	SW8260
1,1-Dichloroethane	ND	2.2	0.44	ug/Kg	02/06/15	HM	SW8260
1,1-Dichloroethene	ND	2.2	0.48	ug/Kg	02/06/15	HM	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 47 2-3

Phoenix I.D.: BH70546

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		2.2	0.29	ug/Kg	02/06/15	HM	SW8260
1,2,4-Trichlorobenzene	ND		2.2	0.26	ug/Kg	02/06/15	HM	SW8260
1,2-Dibromo-3-chloropropane	ND		2.2	0.59	ug/Kg	02/06/15	HM	SW8260
1,2-Dibromoethane	ND		2.2	0.59	ug/Kg	02/06/15	HM	SW8260
1,2-Dichlorobenzene	ND		2.2	0.24	ug/Kg	02/06/15	HM	SW8260
1,2-Dichloroethane	ND		2.2	0.19	ug/Kg	02/06/15	HM	SW8260
1,2-Dichloropropane	ND		2.2	0.31	ug/Kg	02/06/15	HM	SW8260
1,3-Dichlorobenzene	ND		2.2	0.33	ug/Kg	02/06/15	HM	SW8260
1,4-Dichlorobenzene	ND		2.2	0.35	ug/Kg	02/06/15	HM	SW8260
2-Hexanone	ND		11	0.99	ug/Kg	02/06/15	HM	SW8260
4-Methyl-2-pentanone	ND		11	0.52	ug/Kg	02/06/15	HM	SW8260
Acetone	ND		22	2.2	ug/Kg	02/06/15	HM	SW8260
Acrolein	ND		11	1.8	ug/Kg	02/06/15	HM	SW8260
Acrylonitrile	ND		4.4	1.2	ug/Kg	02/06/15	HM	SW8260
Benzene	ND		2.2	0.44	ug/Kg	02/06/15	HM	SW8260
Bromochloromethane	ND		2.2	0.32	ug/Kg	02/06/15	HM	SW8260
Bromodichloromethane	ND		2.2	0.27	ug/Kg	02/06/15	HM	SW8260
Bromoform	ND		2.2	0.31	ug/Kg	02/06/15	HM	SW8260
Bromomethane	ND		2.2	1.7	ug/Kg	02/06/15	HM	SW8260
Carbon Disulfide	ND		2.2	0.36	ug/Kg	02/06/15	HM	SW8260
Carbon tetrachloride	ND		2.2	0.26	ug/Kg	02/06/15	HM	SW8260
Chlorobenzene	ND		2.2	0.33	ug/Kg	02/06/15	HM	SW8260
Chloroethane	ND		2.2	0.51	ug/Kg	02/06/15	HM	SW8260
Chloroform	ND		2.2	0.40	ug/Kg	02/06/15	HM	SW8260
Chloromethane	ND		2.2	1.2	ug/Kg	02/06/15	HM	SW8260
cis-1,2-Dichloroethene	ND		2.2	0.48	ug/Kg	02/06/15	HM	SW8260
cis-1,3-Dichloropropene	ND		2.2	0.24	ug/Kg	02/06/15	HM	SW8260
Cyclohexane	ND		2.2	2.2	ug/Kg	02/06/15	HM	SW8260
Dibromochloromethane	ND		2.2	0.25	ug/Kg	02/06/15	HM	SW8260
Dichlorodifluoromethane	ND		2.2	0.59	ug/Kg	02/06/15	HM	SW8260
Ethylbenzene	ND		2.2	0.40	ug/Kg	02/06/15	HM	SW8260
Isopropylbenzene	ND		2.2	0.42	ug/Kg	02/06/15	HM	SW8260
m&p-Xylene	ND		2.2	0.87	ug/Kg	02/06/15	HM	SW8260
Methyl ethyl ketone	ND		13	1.9	ug/Kg	02/06/15	HM	SW8260
Methyl t-butyl ether (MTBE)	ND		4.4	0.61	ug/Kg	02/06/15	HM	SW8260
Methylacetate	ND		2.2	2.2	ug/Kg	02/06/15	HM	SW8260
Methylcyclohexane	ND		2.2	2.2	ug/Kg	02/06/15	HM	SW8260
Methylene chloride	0.57	JS	2.2	0.36	ug/Kg	02/06/15	HM	SW8260
o-Xylene	ND		2.2	0.84	ug/Kg	02/06/15	HM	SW8260
Styrene	ND		2.2	0.63	ug/Kg	02/06/15	HM	SW8260
tert-butyl alcohol	ND		44	44	ug/Kg	02/06/15	HM	SW8260
Tetrachloroethene	ND		2.2	0.46	ug/Kg	02/06/15	HM	SW8260
Toluene	ND		2.2	0.35	ug/Kg	02/06/15	HM	SW8260
Total Xylenes	ND		2.2	2.2	ug/Kg	02/06/15	HM	SW8260
trans-1,2-Dichloroethene	ND		2.2	0.44	ug/Kg	02/06/15	HM	SW8260
trans-1,3-Dichloropropene	ND		2.2	0.45	ug/Kg	02/06/15	HM	SW8260
Trichloroethene	ND		2.2	0.47	ug/Kg	02/06/15	HM	SW8260
Trichlorofluoromethane	ND		2.2	0.49	ug/Kg	02/06/15	HM	SW8260
Trichlorotrifluoroethane	ND		2.2	0.34	ug/Kg	02/06/15	HM	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 47 2-3

Phoenix I.D.: BH70546

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	2.2	0.71	ug/Kg	02/06/15	HM	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	02/06/15	HM	70 - 130 %	
% Bromofluorobenzene	89			%	02/06/15	HM	70 - 130 %	
% Dibromofluoromethane	99			%	02/06/15	HM	70 - 130 %	
% Toluene-d8	89			%	02/06/15	HM	70 - 130 %	
Vinyl Acetate	ND	22	22	ug/Kg	02/06/15	HM	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

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 13, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 13, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/04/15	12:45
Location Code:	IMPACT	Received by:	SW	02/04/15	17:06
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70542
Phoenix ID: BH70547

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 47 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.35	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Aluminum	6880	53	7.0	mg/Kg	02/05/15	LK	SW6010	
Arsenic	3.9	0.7	0.70	mg/Kg	02/05/15	LK	SW6010	
Barium	244	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Beryllium	0.90	0.28	0.14	mg/Kg	02/05/15	LK	SW6010	
Calcium	10300	5.3	3.2	mg/Kg	02/05/15	LK	SW6010	B
Cadmium	0.40	0.35	0.14	mg/Kg	02/05/15	LK	SW6010	
Cobalt	6.34	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Chromium	15.6	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Copper	35.8	0.35	0.35	mg/kg	02/05/15	LK	SW6010	
Iron	10900	53	35	mg/Kg	02/05/15	LK	SW6010	
Mercury	0.09	0.03	0.02	mg/Kg	02/05/15	RS	SW-7471	
Potassium	871	5.3	2.7	mg/Kg	02/05/15	LK	SW6010	
Magnesium	5990	53	35	mg/Kg	02/05/15	LK	SW6010	
Manganese	247	3.5	3.5	mg/Kg	02/05/15	LK	SW6010	
Sodium	182	5.3	3.0	mg/Kg	02/05/15	LK	SW6010	
Nickel	29.3	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Lead	70.4	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Antimony	< 3.5	3.5	1.8	mg/Kg	02/05/15	LK	SW6010	
Selenium	< 1.4	1.4	1.2	mg/Kg	02/05/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/05/15	EK	SW6010	
TCLP Barium	0.69	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/05/15	EK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/05/15	RS	SW7470	
TCLP Lead	< 0.10	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/05/15	EK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 47 COMP

Phoenix I.D.: BH70547

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.2	3.2	1.4	mg/Kg	02/05/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/05/15	I/I	SW3005	
Trivalent Chromium	15.6	0.50		mg/kg	02/05/15	CL	Calculation	
Vanadium	20.4	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Zinc	79.3	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Percent Solid	89			%	02/04/15	I	SW846	
Corrosivity	Negative			Pos/Neg	02/04/15	O/EG	SW846	1
Flash Point	>200	200		degree F	02/05/15	Y	SW1010	
Chromium, Hexavalent	< 0.45	0.45	0.45	mg/Kg	02/05/15 14:55	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/05/15	Y	SW846	1
pH - Soil	9.2	0.10		pH Units	02/04/15 20:00	O/EG	4500-H B/9045	1
Reactivity Cyanide	< 5.6	5.6	0.028	mg/Kg	02/05/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/05/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/05/15	EG	SW 846-7.3	1
Redox Potential	145	1.0		mV	02/04/15	O/EG	SM2580B	1
Total Cyanide	< 0.56	0.56	0.28	mg/Kg	02/05/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				02/04/15	BC/H	SW3545	
Soil Extraction for Pesticide	Completed				02/04/15	BC	SW3545	
Soil Extraction for SVOA	Completed				02/04/15	JJ/VH	SW3545	
Mercury Digestion	Completed				02/05/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/04/15	P/DW	SW8151	
TCLP Digestion Mercury	Completed				02/05/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/05/15	F/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				02/04/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				02/04/15	I	1311	
TCLP Pesticides Extraction	Completed				02/05/15	T	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/05/15	L	SW3510	
TCLP Extraction Volatiles	Completed				02/04/15	Y	EPA 1311	
Total Metals Digest	Completed				02/04/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				02/04/15	BC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	47	47	ug/Kg	02/06/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	47	47	ug/Kg	02/06/15	BB	SW8151	
2,4-D	ND	47	47	ug/Kg	02/06/15	BB	SW8151	
2,4-DB	ND	470	470	ug/Kg	02/06/15	BB	SW8151	
Dalapon	ND	47	47	ug/Kg	02/06/15	BB	SW8151	
Dicamba	ND	93	93	ug/Kg	02/06/15	BB	SW8151	
Dichloroprop	ND	47	47	ug/Kg	02/06/15	BB	SW8151	
Dinoseb	ND	93	93	ug/Kg	02/06/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	63			%	02/06/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	75	75	ug/Kg	02/05/15	AW	SW 8082	
PCB-1221	ND	75	75	ug/Kg	02/05/15	AW	SW 8082	
PCB-1232	ND	75	75	ug/Kg	02/05/15	AW	SW 8082	
PCB-1242	ND	75	75	ug/Kg	02/05/15	AW	SW 8082	
PCB-1248	ND	75	75	ug/Kg	02/05/15	AW	SW 8082	
PCB-1254	ND	75	75	ug/Kg	02/05/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 47 COMP

Phoenix I.D.: BH70547

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	75	75	ug/Kg	02/05/15	AW	SW 8082
PCB-1262	ND	75	75	ug/Kg	02/05/15	AW	SW 8082
PCB-1268	ND	75	75	ug/Kg	02/05/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	91			%	02/05/15	AW	30 - 150 %
% TCMX	76			%	02/05/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.2	2.2	ug/Kg	02/06/15	CE	SW8081
4,4' -DDE	ND	2.2	2.2	ug/Kg	02/06/15	CE	SW8081
4,4' -DDT	ND	2.2	2.2	ug/Kg	02/06/15	CE	SW8081
a-BHC	ND	7.5	7.5	ug/Kg	02/06/15	CE	SW8081
a-Chlordane	ND	3.7	3.7	ug/Kg	02/06/15	CE	SW8081
Aldrin	ND	3.7	3.7	ug/Kg	02/06/15	CE	SW8081
b-BHC	ND	7.5	7.5	ug/Kg	02/06/15	CE	SW8081
Chlordane	ND	37	37	ug/Kg	02/06/15	CE	SW8081
d-BHC	ND	7.5	7.5	ug/Kg	02/06/15	CE	SW8081
Dieldrin	ND	3.7	3.7	ug/Kg	02/06/15	CE	SW8081
Endosulfan I	ND	7.5	7.5	ug/Kg	02/06/15	CE	SW8081
Endosulfan II	ND	7.5	7.5	ug/Kg	02/06/15	CE	SW8081
Endosulfan sulfate	ND	7.5	7.5	ug/Kg	02/06/15	CE	SW8081
Endrin	ND	7.5	7.5	ug/Kg	02/06/15	CE	SW8081
Endrin aldehyde	ND	7.5	7.5	ug/Kg	02/06/15	CE	SW8081
Endrin ketone	ND	7.5	7.5	ug/Kg	02/06/15	CE	SW8081
g-BHC	ND	1.5	1.5	ug/Kg	02/06/15	CE	SW8081
g-Chlordane	ND	3.7	3.7	ug/Kg	02/06/15	CE	SW8081
Heptachlor	ND	7.5	7.5	ug/Kg	02/06/15	CE	SW8081
Heptachlor epoxide	ND	7.5	7.5	ug/Kg	02/06/15	CE	SW8081
Methoxychlor	ND	37	37	ug/Kg	02/06/15	CE	SW8081
Toxaphene	ND	150	150	ug/Kg	02/06/15	CE	SW8081
QA/QC Surrogates							
% DCBP	75			%	02/06/15	CE	30 - 150 %
% TCMX	73			%	02/06/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
QA/QC Surrogates							
% DCAA	67			%	02/10/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/07/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/07/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/07/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/07/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/07/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/07/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/07/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/07/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/07/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/07/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/07/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/07/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/07/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/07/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/07/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/07/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	93			%	02/07/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	83			%	02/07/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	55	55	mg/Kg	02/08/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	90			%	02/08/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/05/15	HM	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/05/15	HM	SW8260
Benzene	ND	25	25	ug/L	02/05/15	HM	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/05/15	HM	SW8260
Chlorobenzene	ND	25	25	ug/L	02/05/15	HM	SW8260
Chloroform	ND	25	25	ug/L	02/05/15	HM	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/05/15	HM	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/05/15	HM	SW8260
Trichloroethene	ND	25	25	ug/L	02/05/15	HM	SW8260
Vinyl chloride	ND	25	25	ug/L	02/05/15	HM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99			%	02/05/15	HM	70 - 130 %
% Bromofluorobenzene	97			%	02/05/15	HM	70 - 130 %
% Dibromofluoromethane	102			%	02/05/15	HM	70 - 130 %
% Toluene-d8	103			%	02/05/15	HM	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	250	110	ug/Kg	02/05/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	02/05/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	360	360	ug/Kg	02/05/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	250	170	ug/Kg	02/05/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	02/05/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	02/05/15	DD	SW 8270
2,4-Dichlorophenol	ND	150	130	ug/Kg	02/05/15	DD	SW 8270
2,4-Dimethylphenol	ND	250	90	ug/Kg	02/05/15	DD	SW 8270
2,4-Dinitrophenol	ND	250	250	ug/Kg	02/05/15	DD	SW 8270
2,4-Dinitrotoluene	ND	150	140	ug/Kg	02/05/15	DD	SW 8270
2,6-Dinitrotoluene	ND	150	110	ug/Kg	02/05/15	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	02/05/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 47 COMP

Phoenix I.D.: BH70547

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		250	100	ug/Kg	02/05/15	DD	SW 8270	
2-Methylnaphthalene	ND		250	110	ug/Kg	02/05/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		250	170	ug/Kg	02/05/15	DD	SW 8270	
2-Nitroaniline	ND		1800	370	ug/Kg	02/05/15	DD	SW 8270	
2-Nitrophenol	ND		250	230	ug/Kg	02/05/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		250	140	ug/Kg	02/05/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		150	170	ug/Kg	02/05/15	DD	SW 8270	
3-Nitroaniline	ND		1800	790	ug/Kg	02/05/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		250	390	ug/Kg	02/05/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		250	110	ug/Kg	02/05/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		250	130	ug/Kg	02/05/15	DD	SW 8270	
4-Chloroaniline	ND		730	170	ug/Kg	02/05/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		250	120	ug/Kg	02/05/15	DD	SW 8270	
4-Nitroaniline	ND		1800	120	ug/Kg	02/05/15	DD	SW 8270	
4-Nitrophenol	ND		1800	160	ug/Kg	02/05/15	DD	SW 8270	
Acenaphthene	ND		250	110	ug/Kg	02/05/15	DD	SW 8270	
Acenaphthylene	ND		150	100	ug/Kg	02/05/15	DD	SW 8270	
Acetophenone	ND		250	110	ug/Kg	02/05/15	DD	SW 8270	
Anthracene	130	J	250	120	ug/Kg	02/05/15	DD	SW 8270	
Atrazine	ND		150	160	ug/Kg	02/05/15	DD	SW 8270	
Benz(a)anthracene	340		250	120	ug/Kg	02/05/15	DD	SW 8270	
Benzaldehyde	ND		250	110	ug/Kg	02/05/15	DD	SW 8270	
Benzidine	ND		550	550	ug/Kg	02/05/15	DD	SW 8270	
Benzo(a)pyrene	300		150	120	ug/Kg	02/05/15	DD	SW 8270	
Benzo(b)fluoranthene	410		250	120	ug/Kg	02/05/15	DD	SW 8270	
Benzo(ghi)perylene	140	J	250	120	ug/Kg	02/05/15	DD	SW 8270	
Benzo(k)fluoranthene	160	J	250	120	ug/Kg	02/05/15	DD	SW 8270	
Benzyl Alcohol	ND		360	360	ug/Kg	02/05/15	DD	SW 8270	
Benzyl butyl phthalate	ND		250	94	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		250	100	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		150	98	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		250	100	ug/Kg	02/05/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		250	100	ug/Kg	02/05/15	DD	SW 8270	
Caprolactam	ND		250	650	ug/Kg	02/05/15	DD	SW 8270	
Carbazole	ND		1800	280	ug/Kg	02/05/15	DD	SW 8270	
Chrysene	370		250	120	ug/Kg	02/05/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		150	120	ug/Kg	02/05/15	DD	SW 8270	
Dibenzofuran	ND		250	110	ug/Kg	02/05/15	DD	SW 8270	
Diethyl phthalate	ND		250	110	ug/Kg	02/05/15	DD	SW 8270	
Dimethylphthalate	ND		250	110	ug/Kg	02/05/15	DD	SW 8270	
Di-n-butylphthalate	ND		250	97	ug/Kg	02/05/15	DD	SW 8270	
Di-n-octylphthalate	ND		250	94	ug/Kg	02/05/15	DD	SW 8270	
Fluoranthene	690		250	120	ug/Kg	02/05/15	DD	SW 8270	
Fluorene	ND		250	120	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorobenzene	ND		150	110	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorobutadiene	ND		250	130	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		250	110	ug/Kg	02/05/15	DD	SW 8270	
Hexachloroethane	ND		150	110	ug/Kg	02/05/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	160	J	250	120	ug/Kg	02/05/15	DD	SW 8270	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 47 COMP

Phoenix I.D.: BH70547

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND	150	100	ug/Kg	02/05/15	DD	SW 8270	
Naphthalene	ND	250	100	ug/Kg	02/05/15	DD	SW 8270	
Nitrobenzene	ND	150	130	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodimethylamine	ND	250	100	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	150	120	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND	150	140	ug/Kg	02/05/15	DD	SW 8270	
Pentachlorophenol	ND	250	140	ug/Kg	02/05/15	DD	SW 8270	
Phenanthrene	520	150	100	ug/Kg	02/05/15	DD	SW 8270	
Phenol	ND	250	120	ug/Kg	02/05/15	DD	SW 8270	
Pyrene	580	250	130	ug/Kg	02/05/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	85			%	02/05/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	70			%	02/05/15	DD	30 - 130 %	
% 2-Fluorophenol	64			%	02/05/15	DD	30 - 130 %	
% Nitrobenzene-d5	86			%	02/05/15	DD	30 - 130 %	
% Phenol-d5	71			%	02/05/15	DD	30 - 130 %	
% Terphenyl-d14	65			%	02/05/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral								
1,4-Dichlorobenzene	ND	83	83	ug/L	02/06/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND	83	83	ug/L	02/06/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND	83	83	ug/L	02/06/15	DD	SW 8270	
2,4-Dinitrotoluene	ND	83	83	ug/L	02/06/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	83	83	ug/L	02/06/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND	83	83	ug/L	02/06/15	DD	SW 8270	
Hexachlorobenzene	ND	83	83	ug/L	02/06/15	DD	SW 8270	
Hexachlorobutadiene	ND	83	83	ug/L	02/06/15	DD	SW 8270	
Hexachloroethane	ND	83	83	ug/L	02/06/15	DD	SW 8270	
Nitrobenzene	ND	83	83	ug/L	02/06/15	DD	SW 8270	
Pentachlorophenol	ND	83	83	ug/L	02/06/15	DD	SW 8270	
Pyridine	ND	83	83	ug/L	02/06/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	70			%	02/06/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	54			%	02/06/15	DD	30 - 130 %	
% 2-Fluorophenol	46			%	02/06/15	DD	15 - 110 %	
% Nitrobenzene-d5	57			%	02/06/15	DD	30 - 130 %	
% Phenol-d5	40			%	02/06/15	DD	15 - 110 %	
% Terphenyl-d14	81			%	02/06/15	DD	30 - 130 %	
Aniline	ND	330		ug/Kg	02/05/15	DD	SW8270	
Benzoic Acid	ND	330		ug/Kg	02/05/15	DD	SW8270	1
Parathion	ND	5		ug/Kg	02/05/15	DD	SW8270	1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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 13, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 13, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/04/15	13:30
Location Code:	IMPACT	Received by:	SW	02/04/15	17:06
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70542
Phoenix ID: BH70548

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 37 4-5

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/04/15	I	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	3.3	0.65	ug/Kg	02/05/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	3.3	0.65	ug/Kg	02/05/15	JLI	SW8260
1,3-Dichlorobenzene	ND	3.3	0.65	ug/Kg	02/05/15	JLI	SW8260
Naphthalene	ND	3.3	0.87	ug/Kg	02/05/15	JLI	SW8260
n-Butylbenzene	ND	3.3	0.65	ug/Kg	02/05/15	JLI	SW8260
n-Propylbenzene	ND	3.3	0.65	ug/Kg	02/05/15	JLI	SW8260
p-Isopropyltoluene	ND	3.3	0.65	ug/Kg	02/05/15	JLI	SW8260
sec-Butylbenzene	ND	3.3	0.65	ug/Kg	02/05/15	JLI	SW8260
tert-Butylbenzene	ND	3.3	0.65	ug/Kg	02/05/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102			%	02/05/15	JLI	SW8260
% Bromofluorobenzene	94			%	02/05/15	JLI	SW8260
% Dibromofluoromethane	102			%	02/05/15	JLI	SW8260
% Toluene-d8	96			%	02/05/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	65	65	ug/kg	02/05/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	3.3	0.65	ug/Kg	02/05/15	JLI	SW8260
1,1,1-Trichloroethane	ND	3.3	0.65	ug/Kg	02/05/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	3.3	0.46	ug/Kg	02/05/15	JLI	SW8260
1,1,2-Trichloroethane	ND	3.3	0.32	ug/Kg	02/05/15	JLI	SW8260
1,1-Dichloroethane	ND	3.3	0.64	ug/Kg	02/05/15	JLI	SW8260
1,1-Dichloroethene	ND	3.3	0.71	ug/Kg	02/05/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 37 4-5

Phoenix I.D.: BH70548

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		3.3	0.44	ug/Kg	02/05/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		3.3	0.38	ug/Kg	02/05/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		3.3	0.87	ug/Kg	02/05/15	JLI	SW8260
1,2-Dibromoethane	ND		3.3	0.86	ug/Kg	02/05/15	JLI	SW8260
1,2-Dichlorobenzene	ND		3.3	0.36	ug/Kg	02/05/15	JLI	SW8260
1,2-Dichloroethane	ND		3.3	0.29	ug/Kg	02/05/15	JLI	SW8260
1,2-Dichloropropane	ND		3.3	0.46	ug/Kg	02/05/15	JLI	SW8260
1,3-Dichlorobenzene	ND		3.3	0.48	ug/Kg	02/05/15	JLI	SW8260
1,4-Dichlorobenzene	ND		3.3	0.51	ug/Kg	02/05/15	JLI	SW8260
2-Hexanone	ND		16	1.5	ug/Kg	02/05/15	JLI	SW8260
4-Methyl-2-pentanone	ND		16	0.77	ug/Kg	02/05/15	JLI	SW8260
Acetone	ND		33	3.2	ug/Kg	02/05/15	JLI	SW8260
Acrolein	ND		16	2.6	ug/Kg	02/05/15	JLI	SW8260
Acrylonitrile	ND		6.5	1.8	ug/Kg	02/05/15	JLI	SW8260
Benzene	ND		3.3	0.64	ug/Kg	02/05/15	JLI	SW8260
Bromochloromethane	ND		3.3	0.47	ug/Kg	02/05/15	JLI	SW8260
Bromodichloromethane	ND		3.3	0.40	ug/Kg	02/05/15	JLI	SW8260
Bromoform	ND		3.3	0.46	ug/Kg	02/05/15	JLI	SW8260
Bromomethane	ND		3.3	2.5	ug/Kg	02/05/15	JLI	SW8260
Carbon Disulfide	ND		3.3	0.53	ug/Kg	02/05/15	JLI	SW8260
Carbon tetrachloride	ND		3.3	0.38	ug/Kg	02/05/15	JLI	SW8260
Chlorobenzene	ND		3.3	0.48	ug/Kg	02/05/15	JLI	SW8260
Chloroethane	ND		3.3	0.76	ug/Kg	02/05/15	JLI	SW8260
Chloroform	ND		3.3	0.59	ug/Kg	02/05/15	JLI	SW8260
Chloromethane	ND		3.3	1.7	ug/Kg	02/05/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		3.3	0.71	ug/Kg	02/05/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		3.3	0.35	ug/Kg	02/05/15	JLI	SW8260
Cyclohexane	ND		3.3	3.3	ug/Kg	02/05/15	JLI	SW8260
Dibromochloromethane	ND		3.3	0.36	ug/Kg	02/05/15	JLI	SW8260
Dichlorodifluoromethane	ND		3.3	0.86	ug/Kg	02/05/15	JLI	SW8260
Ethylbenzene	ND		3.3	0.59	ug/Kg	02/05/15	JLI	SW8260
Isopropylbenzene	ND		3.3	0.62	ug/Kg	02/05/15	JLI	SW8260
m&p-Xylene	ND		3.3	1.3	ug/Kg	02/05/15	JLI	SW8260
Methyl ethyl ketone	ND		20	2.8	ug/Kg	02/05/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		6.5	0.90	ug/Kg	02/05/15	JLI	SW8260
Methylacetate	ND		3.3	3.3	ug/Kg	02/05/15	JLI	SW8260
Methylcyclohexane	ND		3.3	3.3	ug/Kg	02/05/15	JLI	SW8260
Methylene chloride	1.7	JS	3.3	0.53	ug/Kg	02/05/15	JLI	SW8260
o-Xylene	ND		3.3	1.2	ug/Kg	02/05/15	JLI	SW8260
Styrene	ND		3.3	0.94	ug/Kg	02/05/15	JLI	SW8260
tert-butyl alcohol	ND		65	65	ug/Kg	02/05/15	JLI	SW8260
Tetrachloroethene	ND		3.3	0.68	ug/Kg	02/05/15	JLI	SW8260
Toluene	ND		3.3	0.51	ug/Kg	02/05/15	JLI	SW8260
Total Xylenes	ND		3.3	3.3	ug/Kg	02/05/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		3.3	0.65	ug/Kg	02/05/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		3.3	0.66	ug/Kg	02/05/15	JLI	SW8260
Trichloroethene	ND		3.3	0.69	ug/Kg	02/05/15	JLI	SW8260
Trichlorofluoromethane	ND		3.3	0.72	ug/Kg	02/05/15	JLI	SW8260
Trichlorotrifluoroethane	ND		3.3	0.51	ug/Kg	02/05/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 37 4-5

Phoenix I.D.: BH70548

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	3.3	1.1	ug/Kg	02/05/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	102			%	02/05/15	JLI	70 - 130 %	
% Bromofluorobenzene	92			%	02/05/15	JLI	70 - 130 %	
% Dibromofluoromethane	102			%	02/05/15	JLI	70 - 130 %	
% Toluene-d8	95			%	02/05/15	JLI	70 - 130 %	
Vinyl Acetate	ND	33	33	ug/Kg	02/05/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

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 13, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 13, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/04/15	13:30
Location Code:	IMPACT	Received by:	SW	02/04/15	17:06
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70542
Phoenix ID: BH70549

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 37 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.35	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Aluminum	4000	52	6.9	mg/Kg	02/05/15	LK	SW6010	
Arsenic	2.6	0.7	0.69	mg/Kg	02/05/15	LK	SW6010	
Barium	37.5	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Beryllium	< 0.28	0.28	0.14	mg/Kg	02/05/15	LK	SW6010	
Calcium	13600	52	32	mg/Kg	02/05/15	LK	SW6010	B
Cadmium	0.87	0.35	0.14	mg/Kg	02/05/15	LK	SW6010	
Cobalt	4.26	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Chromium	13.2	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Copper	21.7	0.35	0.35	mg/kg	02/05/15	LK	SW6010	
Iron	8860	52	35	mg/Kg	02/05/15	LK	SW6010	
Mercury	0.05	0.03	0.02	mg/Kg	02/05/15	RS	SW-7471	
Potassium	618	5.2	2.7	mg/Kg	02/05/15	LK	SW6010	
Magnesium	6230	52	35	mg/Kg	02/05/15	LK	SW6010	
Manganese	136	3.5	3.5	mg/Kg	02/05/15	LK	SW6010	
Sodium	212	5.2	3.0	mg/Kg	02/05/15	LK	SW6010	
Nickel	18.6	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Lead	65.4	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Antimony	< 3.5	3.5	1.7	mg/Kg	02/05/15	LK	SW6010	
Selenium	< 1.4	1.4	1.2	mg/Kg	02/05/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/05/15	EK	SW6010	
TCLP Barium	0.50	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/05/15	EK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/05/15	RS	SW7470	
TCLP Lead	< 0.10	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/05/15	EK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 37 COMP

Phoenix I.D.: BH70549

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.1	3.1	1.4	mg/Kg	02/05/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/05/15	I/I	SW3005	
Trivalent Chromium	13.2	0.50		mg/kg	02/05/15	CL	Calculation	
Vanadium	13.1	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Zinc	102	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Percent Solid	90			%	02/04/15	I	SW846	
Corrosivity	Negative			Pos/Neg	02/04/15	O/EG	SW846	1
Flash Point	>200	200		degree F	02/05/15	Y	SW1010	
Chromium, Hexavalent	< 0.43	0.43	0.43	mg/Kg	02/05/15 14:55	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/05/15	Y	SW846	1
pH - Soil	9.48	0.10		pH Units	02/04/15 20:00	O/EG	4500-H B/9045	1
Reactivity Cyanide	< 5.5	5.5	0.027	mg/Kg	02/05/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/05/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/05/15	EG	SW 846-7.3	1
Redox Potential	155	1.0		mV	02/04/15	O/EG	SM2580B	1
Total Cyanide	< 0.51	0.51	0.25	mg/Kg	02/05/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				02/04/15	BC/H	SW3545	
Soil Extraction for Pesticide	Completed				02/04/15	BC	SW3545	
Soil Extraction for SVOA	Completed				02/04/15	JJ/VH	SW3545	
Mercury Digestion	Completed				02/05/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/04/15	P/DW	SW8151	
TCLP Digestion Mercury	Completed				02/05/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/05/15	F/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				02/04/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				02/04/15	I	1311	
TCLP Pesticides Extraction	Completed				02/05/15	T	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/05/15	L	SW3510	
TCLP Extraction Volatiles	Completed				02/04/15	Y	EPA 1311	
Total Metals Digest	Completed				02/04/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				02/04/15	BC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	46	46	ug/Kg	02/06/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	46	46	ug/Kg	02/06/15	BB	SW8151	
2,4-D	ND	46	46	ug/Kg	02/06/15	BB	SW8151	
2,4-DB	ND	460	460	ug/Kg	02/06/15	BB	SW8151	
Dalapon	ND	46	46	ug/Kg	02/06/15	BB	SW8151	
Dicamba	ND	92	92	ug/Kg	02/06/15	BB	SW8151	
Dichloroprop	ND	46	46	ug/Kg	02/06/15	BB	SW8151	
Dinoseb	ND	92	92	ug/Kg	02/06/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	50			%	02/06/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	74	74	ug/Kg	02/05/15	AW	SW 8082	
PCB-1221	ND	74	74	ug/Kg	02/05/15	AW	SW 8082	
PCB-1232	ND	74	74	ug/Kg	02/05/15	AW	SW 8082	
PCB-1242	ND	74	74	ug/Kg	02/05/15	AW	SW 8082	
PCB-1248	ND	74	74	ug/Kg	02/05/15	AW	SW 8082	
PCB-1254	ND	74	74	ug/Kg	02/05/15	AW	SW 8082	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	74	74	ug/Kg	02/05/15	AW	SW 8082
PCB-1262	ND	74	74	ug/Kg	02/05/15	AW	SW 8082
PCB-1268	ND	74	74	ug/Kg	02/05/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	89			%	02/05/15	AW	30 - 150 %
% TCMX	83			%	02/05/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.2	2.2	ug/Kg	02/06/15	CE	SW8081
4,4' -DDE	ND	2.2	2.2	ug/Kg	02/06/15	CE	SW8081
4,4' -DDT	ND	2.2	2.2	ug/Kg	02/06/15	CE	SW8081
a-BHC	ND	7.4	7.4	ug/Kg	02/06/15	CE	SW8081
a-Chlordane	11	3.7	3.7	ug/Kg	02/06/15	CE	SW8081
Aldrin	ND	3.7	3.7	ug/Kg	02/06/15	CE	SW8081
b-BHC	ND	7.4	7.4	ug/Kg	02/06/15	CE	SW8081
Chlordane	71	37	37	ug/Kg	02/06/15	CE	SW8081
d-BHC	ND	7.4	7.4	ug/Kg	02/06/15	CE	SW8081
Dieldrin	ND	3.7	3.7	ug/Kg	02/06/15	CE	SW8081
Endosulfan I	ND	7.4	7.4	ug/Kg	02/06/15	CE	SW8081
Endosulfan II	ND	7.4	7.4	ug/Kg	02/06/15	CE	SW8081
Endosulfan sulfate	ND	7.4	7.4	ug/Kg	02/06/15	CE	SW8081
Endrin	ND	7.4	7.4	ug/Kg	02/06/15	CE	SW8081
Endrin aldehyde	ND	7.4	7.4	ug/Kg	02/06/15	CE	SW8081
Endrin ketone	ND	7.4	7.4	ug/Kg	02/06/15	CE	SW8081
g-BHC	ND	1.5	1.5	ug/Kg	02/06/15	CE	SW8081
g-Chlordane	11	3.7	3.7	ug/Kg	02/06/15	CE	SW8081
Heptachlor	ND	7.4	7.4	ug/Kg	02/06/15	CE	SW8081
Heptachlor epoxide	ND	7.4	7.4	ug/Kg	02/06/15	CE	SW8081
Methoxychlor	ND	37	37	ug/Kg	02/06/15	CE	SW8081
Toxaphene	ND	150	150	ug/Kg	02/06/15	CE	SW8081
QA/QC Surrogates							
% DCBP	84			%	02/06/15	CE	30 - 150 %
% TCMX	84			%	02/06/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
QA/QC Surrogates							
% DCAA	56			%	02/10/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/07/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/07/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/07/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/07/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/07/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/07/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/07/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/07/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/07/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/07/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/07/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/07/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/07/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/07/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/07/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/07/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	91			%	02/07/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	82			%	02/07/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	55	55	mg/Kg	02/09/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	91			%	02/09/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/05/15	HM	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/05/15	HM	SW8260
Benzene	ND	25	25	ug/L	02/05/15	HM	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/05/15	HM	SW8260
Chlorobenzene	ND	25	25	ug/L	02/05/15	HM	SW8260
Chloroform	ND	25	25	ug/L	02/05/15	HM	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/05/15	HM	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/05/15	HM	SW8260
Trichloroethene	ND	25	25	ug/L	02/05/15	HM	SW8260
Vinyl chloride	ND	25	25	ug/L	02/05/15	HM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101			%	02/05/15	HM	70 - 130 %
% Bromofluorobenzene	97			%	02/05/15	HM	70 - 130 %
% Dibromofluoromethane	100			%	02/05/15	HM	70 - 130 %
% Toluene-d8	101			%	02/05/15	HM	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	250	110	ug/Kg	02/05/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	02/05/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	360	360	ug/Kg	02/05/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	250	170	ug/Kg	02/05/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	02/05/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	140	120	ug/Kg	02/05/15	DD	SW 8270
2,4-Dichlorophenol	ND	140	130	ug/Kg	02/05/15	DD	SW 8270
2,4-Dimethylphenol	ND	250	89	ug/Kg	02/05/15	DD	SW 8270
2,4-Dinitrophenol	ND	250	250	ug/Kg	02/05/15	DD	SW 8270
2,4-Dinitrotoluene	ND	140	140	ug/Kg	02/05/15	DD	SW 8270
2,6-Dinitrotoluene	ND	140	110	ug/Kg	02/05/15	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	02/05/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 37 COMP

Phoenix I.D.: BH70549

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		250	100	ug/Kg	02/05/15	DD	SW 8270	
2-Methylnaphthalene	ND		250	110	ug/Kg	02/05/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		250	170	ug/Kg	02/05/15	DD	SW 8270	
2-Nitroaniline	ND		1800	360	ug/Kg	02/05/15	DD	SW 8270	
2-Nitrophenol	ND		250	230	ug/Kg	02/05/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		250	140	ug/Kg	02/05/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		140	170	ug/Kg	02/05/15	DD	SW 8270	
3-Nitroaniline	ND		1800	780	ug/Kg	02/05/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		250	390	ug/Kg	02/05/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		250	110	ug/Kg	02/05/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		250	130	ug/Kg	02/05/15	DD	SW 8270	
4-Chloroaniline	ND		720	170	ug/Kg	02/05/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		250	120	ug/Kg	02/05/15	DD	SW 8270	
4-Nitroaniline	ND		1800	120	ug/Kg	02/05/15	DD	SW 8270	
4-Nitrophenol	ND		1800	160	ug/Kg	02/05/15	DD	SW 8270	
Acenaphthene	ND		250	110	ug/Kg	02/05/15	DD	SW 8270	
Acenaphthylene	ND		140	100	ug/Kg	02/05/15	DD	SW 8270	
Acetophenone	ND		250	110	ug/Kg	02/05/15	DD	SW 8270	
Anthracene	ND		250	120	ug/Kg	02/05/15	DD	SW 8270	
Atrazine	ND		140	160	ug/Kg	02/05/15	DD	SW 8270	
Benz(a)anthracene	190	J	250	120	ug/Kg	02/05/15	DD	SW 8270	
Benzaldehyde	ND		250	110	ug/Kg	02/05/15	DD	SW 8270	
Benzidine	ND		540	540	ug/Kg	02/05/15	DD	SW 8270	
Benzo(a)pyrene	190		140	120	ug/Kg	02/05/15	DD	SW 8270	
Benzo(b)fluoranthene	260		250	120	ug/Kg	02/05/15	DD	SW 8270	
Benzo(ghi)perylene	ND		250	120	ug/Kg	02/05/15	DD	SW 8270	
Benzo(k)fluoranthene	ND		250	120	ug/Kg	02/05/15	DD	SW 8270	
Benzyl Alcohol	ND		360	360	ug/Kg	02/05/15	DD	SW 8270	
Benzyl butyl phthalate	ND		250	93	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		250	99	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		140	97	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		250	100	ug/Kg	02/05/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		250	100	ug/Kg	02/05/15	DD	SW 8270	
Caprolactam	ND		250	640	ug/Kg	02/05/15	DD	SW 8270	
Carbazole	ND		1800	270	ug/Kg	02/05/15	DD	SW 8270	
Chrysene	220	J	250	120	ug/Kg	02/05/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		140	120	ug/Kg	02/05/15	DD	SW 8270	
Dibenzofuran	ND		250	110	ug/Kg	02/05/15	DD	SW 8270	
Diethyl phthalate	ND		250	110	ug/Kg	02/05/15	DD	SW 8270	
Dimethylphthalate	ND		250	110	ug/Kg	02/05/15	DD	SW 8270	
Di-n-butylphthalate	ND		250	96	ug/Kg	02/05/15	DD	SW 8270	
Di-n-octylphthalate	ND		250	93	ug/Kg	02/05/15	DD	SW 8270	
Fluoranthene	330		250	120	ug/Kg	02/05/15	DD	SW 8270	
Fluorene	ND		250	120	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorobenzene	ND		140	110	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorobutadiene	ND		250	130	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		250	110	ug/Kg	02/05/15	DD	SW 8270	
Hexachloroethane	ND		140	110	ug/Kg	02/05/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND		250	120	ug/Kg	02/05/15	DD	SW 8270	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 37 COMP

Phoenix I.D.: BH70549

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND	140	100	ug/Kg	02/05/15	DD	SW 8270	
Naphthalene	ND	250	100	ug/Kg	02/05/15	DD	SW 8270	
Nitrobenzene	ND	140	130	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodimethylamine	ND	250	100	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	140	120	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND	140	140	ug/Kg	02/05/15	DD	SW 8270	
Pentachlorophenol	ND	250	140	ug/Kg	02/05/15	DD	SW 8270	
Phenanthrene	260	140	100	ug/Kg	02/05/15	DD	SW 8270	
Phenol	ND	250	120	ug/Kg	02/05/15	DD	SW 8270	
Pyrene	290	250	120	ug/Kg	02/05/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	99			%	02/05/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	81			%	02/05/15	DD	30 - 130 %	
% 2-Fluorophenol	74			%	02/05/15	DD	30 - 130 %	
% Nitrobenzene-d5	96			%	02/05/15	DD	30 - 130 %	
% Phenol-d5	83			%	02/05/15	DD	30 - 130 %	
% Terphenyl-d14	67			%	02/05/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral								
1,4-Dichlorobenzene	ND	83	83	ug/L	02/06/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND	83	83	ug/L	02/06/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND	83	83	ug/L	02/06/15	DD	SW 8270	
2,4-Dinitrotoluene	ND	83	83	ug/L	02/06/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	83	83	ug/L	02/06/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND	83	83	ug/L	02/06/15	DD	SW 8270	
Hexachlorobenzene	ND	83	83	ug/L	02/06/15	DD	SW 8270	
Hexachlorobutadiene	ND	83	83	ug/L	02/06/15	DD	SW 8270	
Hexachloroethane	ND	83	83	ug/L	02/06/15	DD	SW 8270	
Nitrobenzene	ND	83	83	ug/L	02/06/15	DD	SW 8270	
Pentachlorophenol	ND	83	83	ug/L	02/06/15	DD	SW 8270	
Pyridine	ND	83	83	ug/L	02/06/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	98			%	02/06/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	69			%	02/06/15	DD	30 - 130 %	
% 2-Fluorophenol	59			%	02/06/15	DD	15 - 110 %	
% Nitrobenzene-d5	91			%	02/06/15	DD	30 - 130 %	
% Phenol-d5	52			%	02/06/15	DD	15 - 110 %	
% Terphenyl-d14	84			%	02/06/15	DD	30 - 130 %	
Aniline	ND	330		ug/Kg	02/05/15	DD	SW8270	
Benzoic Acid	ND	330		ug/Kg	02/05/15	DD	SW8270	1
Parathion	ND	5		ug/Kg	02/05/15	DD	SW8270	1

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 37 COMP

Phoenix I.D.: BH70549

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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 13, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 13, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/04/15	0:00
Location Code:	IMPACT	Received by:	SW	02/04/15	17:06
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70542
Phoenix ID: BH70550

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 38 1-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/04/15	I	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	250	50	ug/Kg	02/05/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	250	50	ug/Kg	02/05/15	JLI	SW8260
1,3-Dichlorobenzene	ND	250	50	ug/Kg	02/05/15	JLI	SW8260
Naphthalene	ND	250	67	ug/Kg	02/05/15	JLI	SW8260
n-Butylbenzene	ND	250	50	ug/Kg	02/05/15	JLI	SW8260
n-Propylbenzene	ND	250	50	ug/Kg	02/05/15	JLI	SW8260
p-Isopropyltoluene	ND	250	50	ug/Kg	02/05/15	JLI	SW8260
sec-Butylbenzene	ND	250	50	ug/Kg	02/05/15	JLI	SW8260
tert-Butylbenzene	ND	250	50	ug/Kg	02/05/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99			%	02/05/15	JLI	SW8260
% Bromofluorobenzene	87			%	02/06/15	JLI	SW8260
% Dibromofluoromethane	96			%	02/06/15	JLI	SW8260
% Toluene-d8	87			%	02/06/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	52	52	ug/kg	02/06/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	2.6	0.52	ug/Kg	02/06/15	JLI	SW8260
1,1,1-Trichloroethane	ND	2.6	0.52	ug/Kg	02/06/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	2.6	0.37	ug/Kg	02/06/15	JLI	SW8260
1,1,2-Trichloroethane	ND	2.6	0.25	ug/Kg	02/06/15	JLI	SW8260
1,1-Dichloroethane	ND	2.6	0.51	ug/Kg	02/06/15	JLI	SW8260
1,1-Dichloroethene	ND	2.6	0.57	ug/Kg	02/06/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 38 1-2

Phoenix I.D.: BH70550

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		250	34	ug/Kg	02/05/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		250	30	ug/Kg	02/05/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		80	67	ug/Kg	02/05/15	JLI	SW8260
1,2-Dibromoethane	ND		2.6	0.69	ug/Kg	02/06/15	JLI	SW8260
1,2-Dichlorobenzene	ND		250	28	ug/Kg	02/05/15	JLI	SW8260
1,2-Dichloroethane	ND		2.6	0.23	ug/Kg	02/06/15	JLI	SW8260
1,2-Dichloropropane	ND		2.6	0.37	ug/Kg	02/06/15	JLI	SW8260
1,3-Dichlorobenzene	ND		250	37	ug/Kg	02/05/15	JLI	SW8260
1,4-Dichlorobenzene	ND		250	40	ug/Kg	02/05/15	JLI	SW8260
2-Hexanone	ND		13	1.2	ug/Kg	02/06/15	JLI	SW8260
4-Methyl-2-pentanone	ND		13	0.62	ug/Kg	02/06/15	JLI	SW8260
Acetone	3.6	JS	26	2.6	ug/Kg	02/06/15	JLI	SW8260
Acrolein	ND		13	2.1	ug/Kg	02/06/15	JLI	SW8260
Acrylonitrile	ND		5.2	1.5	ug/Kg	02/06/15	JLI	SW8260
Benzene	ND		2.6	0.51	ug/Kg	02/06/15	JLI	SW8260
Bromochloromethane	ND		2.6	0.38	ug/Kg	02/06/15	JLI	SW8260
Bromodichloromethane	ND		2.6	0.32	ug/Kg	02/06/15	JLI	SW8260
Bromoform	ND		2.6	0.36	ug/Kg	02/06/15	JLI	SW8260
Bromomethane	ND		2.6	2.0	ug/Kg	02/06/15	JLI	SW8260
Carbon Disulfide	ND		2.6	0.42	ug/Kg	02/06/15	JLI	SW8260
Carbon tetrachloride	ND		2.6	0.30	ug/Kg	02/06/15	JLI	SW8260
Chlorobenzene	ND		2.6	0.38	ug/Kg	02/06/15	JLI	SW8260
Chloroethane	ND		2.6	0.61	ug/Kg	02/06/15	JLI	SW8260
Chloroform	ND		2.6	0.47	ug/Kg	02/06/15	JLI	SW8260
Chloromethane	ND		2.6	1.4	ug/Kg	02/06/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		2.6	0.57	ug/Kg	02/06/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		2.6	0.28	ug/Kg	02/06/15	JLI	SW8260
Cyclohexane	ND		2.6	2.6	ug/Kg	02/06/15	JLI	SW8260
Dibromochloromethane	ND		2.6	0.29	ug/Kg	02/06/15	JLI	SW8260
Dichlorodifluoromethane	ND		2.6	0.69	ug/Kg	02/06/15	JLI	SW8260
Ethylbenzene	ND		2.6	0.47	ug/Kg	02/06/15	JLI	SW8260
Isopropylbenzene	ND		250	48	ug/Kg	02/05/15	JLI	SW8260
m&p-Xylene	ND		2.6	1.0	ug/Kg	02/06/15	JLI	SW8260
Methyl ethyl ketone	ND		16	2.3	ug/Kg	02/06/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		5.2	0.72	ug/Kg	02/06/15	JLI	SW8260
Methylacetate	ND		2.6	2.6	ug/Kg	02/06/15	JLI	SW8260
Methylcyclohexane	ND		2.6	2.6	ug/Kg	02/06/15	JLI	SW8260
Methylene chloride	1.5	JS	2.6	0.43	ug/Kg	02/06/15	JLI	SW8260
o-Xylene	ND		2.6	0.99	ug/Kg	02/06/15	JLI	SW8260
Styrene	ND		2.6	0.75	ug/Kg	02/06/15	JLI	SW8260
tert-butyl alcohol	ND		52	52	ug/Kg	02/06/15	JLI	SW8260
Tetrachloroethene	ND		2.6	0.55	ug/Kg	02/06/15	JLI	SW8260
Toluene	ND		2.6	0.41	ug/Kg	02/06/15	JLI	SW8260
Total Xylenes	ND		2.6	2.6	ug/Kg	02/06/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		2.6	0.52	ug/Kg	02/06/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		2.6	0.53	ug/Kg	02/06/15	JLI	SW8260
Trichloroethene	ND		2.6	0.55	ug/Kg	02/06/15	JLI	SW8260
Trichlorofluoromethane	ND		2.6	0.58	ug/Kg	02/06/15	JLI	SW8260
Trichlorotrifluoroethane	ND		2.6	0.41	ug/Kg	02/06/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 38 1-2

Phoenix I.D.: BH70550

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	2.6	0.84	ug/Kg	02/06/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	02/05/15	JLI	70 - 130 %	
% Bromofluorobenzene	94			%	02/05/15	JLI	70 - 130 %	
% Dibromofluoromethane	96			%	02/06/15	JLI	70 - 130 %	
% Toluene-d8	87			%	02/06/15	JLI	70 - 130 %	
Vinyl Acetate	ND	26	26	ug/Kg	02/06/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
February 13, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 13, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/04/15	0:00
Location Code:	IMPACT	Received by:	SW	02/04/15	17:06
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70542
Phoenix ID: BH70551

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 38 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.38	0.38	0.38	mg/Kg	02/05/15	LK	SW6010	
Aluminum	5020	57	7.5	mg/Kg	02/05/15	LK	SW6010	
Arsenic	5.0	0.8	0.75	mg/Kg	02/05/15	LK	SW6010	
Barium	46.1	0.38	0.38	mg/Kg	02/05/15	LK	SW6010	
Beryllium	0.31	0.30	0.15	mg/Kg	02/05/15	LK	SW6010	
Calcium	45700	57	35	mg/Kg	02/05/15	LK	SW6010	B
Cadmium	0.67	0.38	0.15	mg/Kg	02/05/15	LK	SW6010	
Cobalt	6.14	0.38	0.38	mg/Kg	02/05/15	LK	SW6010	
Chromium	14.7	0.38	0.38	mg/Kg	02/05/15	LK	SW6010	
Copper	55.2	0.38	0.38	mg/kg	02/05/15	LK	SW6010	
Iron	12300	57	38	mg/Kg	02/05/15	LK	SW6010	
Mercury	0.09	0.03	0.02	mg/Kg	02/05/15	RS	SW-7471	
Potassium	951	5.7	2.9	mg/Kg	02/05/15	LK	SW6010	
Magnesium	24100	57	38	mg/Kg	02/05/15	LK	SW6010	
Manganese	333	3.8	3.8	mg/Kg	02/05/15	LK	SW6010	
Sodium	224	5.7	3.2	mg/Kg	02/05/15	LK	SW6010	
Nickel	22.3	0.38	0.38	mg/Kg	02/05/15	LK	SW6010	
Lead	88.5	0.38	0.38	mg/Kg	02/05/15	LK	SW6010	
Antimony	< 3.8	3.8	1.9	mg/Kg	02/05/15	LK	SW6010	
Selenium	< 1.5	1.5	1.3	mg/Kg	02/05/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/05/15	EK	SW6010	
TCLP Barium	0.49	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/05/15	EK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/05/15	RS	SW7470	
TCLP Lead	< 0.10	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/05/15	EK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 38 COMP

Phoenix I.D.: BH70551

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.4	3.4	1.5	mg/Kg	02/05/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/05/15	I/I	SW3005	
Trivalent Chromium	14.7	0.50		mg/kg	02/05/15	CL	Calculation	
Vanadium	20.2	0.38	0.38	mg/Kg	02/05/15	LK	SW6010	
Zinc	95.6	0.38	0.38	mg/Kg	02/05/15	LK	SW6010	
Percent Solid	92			%	02/04/15	I	SW846	
Corrosivity	Negative			Pos/Neg	02/04/15	O/EG	SW846	1
Flash Point	>200	200		degree F	02/05/15	Y	SW1010	
Chromium, Hexavalent	< 0.42	0.42	0.42	mg/Kg	02/05/15 14:55	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/05/15	Y	SW846	1
pH - Soil	9.11	0.10		pH Units	02/04/15 20:00	O/EG	4500-H B/9045	1
Reactivity Cyanide	< 5.4	5.4	0.027	mg/Kg	02/05/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/05/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/05/15	EG	SW 846-7.3	1
Redox Potential	162	1.0		mV	02/04/15	O/EG	SM2580B	1
Total Cyanide	< 0.54	0.54	0.27	mg/Kg	02/05/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				02/04/15	BC/H	SW3545	
Soil Extraction for Pesticide	Completed				02/04/15	BC	SW3545	
Soil Extraction for SVOA	Completed				02/04/15	JJ/VH	SW3545	
Mercury Digestion	Completed				02/05/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/10/15	P/W/D	SW8151	
TCLP Digestion Mercury	Completed				02/05/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/05/15	F/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				02/04/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				02/04/15	I	1311	
TCLP Pesticides Extraction	Completed				02/05/15	T	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/05/15	L	SW3510	
TCLP Extraction Volatiles	Completed				02/04/15	Y	EPA 1311	
Total Metals Digest	Completed				02/04/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				02/04/15	BC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	45	45	ug/Kg	02/11/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	45	45	ug/Kg	02/11/15	BB	SW8151	
2,4-D	ND	45	45	ug/Kg	02/11/15	BB	SW8151	
2,4-DB	ND	450	450	ug/Kg	02/11/15	BB	SW8151	
Dalapon	ND	45	45	ug/Kg	02/11/15	BB	SW8151	
Dicamba	ND	90	90	ug/Kg	02/11/15	BB	SW8151	
Dichloroprop	ND	45	45	ug/Kg	02/11/15	BB	SW8151	
Dinoseb	ND	90	90	ug/Kg	02/11/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	31			%	02/11/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	72	72	ug/Kg	02/05/15	AW	SW 8082	
PCB-1221	ND	72	72	ug/Kg	02/05/15	AW	SW 8082	
PCB-1232	ND	72	72	ug/Kg	02/05/15	AW	SW 8082	
PCB-1242	ND	72	72	ug/Kg	02/05/15	AW	SW 8082	
PCB-1248	ND	72	72	ug/Kg	02/05/15	AW	SW 8082	
PCB-1254	ND	72	72	ug/Kg	02/05/15	AW	SW 8082	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	72	72	ug/Kg	02/05/15	AW	SW 8082
PCB-1262	ND	72	72	ug/Kg	02/05/15	AW	SW 8082
PCB-1268	ND	72	72	ug/Kg	02/05/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	86			%	02/05/15	AW	30 - 150 %
% TCMX	81			%	02/05/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.1	2.1	ug/Kg	02/06/15	CE	SW8081
4,4' -DDE	ND	2.1	2.1	ug/Kg	02/06/15	CE	SW8081
4,4' -DDT	ND	2.1	2.1	ug/Kg	02/06/15	CE	SW8081
a-BHC	ND	7.2	7.2	ug/Kg	02/06/15	CE	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	02/06/15	CE	SW8081
Aldrin	ND	3.6	3.6	ug/Kg	02/06/15	CE	SW8081
b-BHC	ND	7.2	7.2	ug/Kg	02/06/15	CE	SW8081
Chlordane	ND	36	36	ug/Kg	02/06/15	CE	SW8081
d-BHC	ND	7.2	7.2	ug/Kg	02/06/15	CE	SW8081
Dieldrin	ND	3.6	3.6	ug/Kg	02/06/15	CE	SW8081
Endosulfan I	ND	7.2	7.2	ug/Kg	02/06/15	CE	SW8081
Endosulfan II	ND	7.2	7.2	ug/Kg	02/06/15	CE	SW8081
Endosulfan sulfate	ND	7.2	7.2	ug/Kg	02/06/15	CE	SW8081
Endrin	ND	7.2	7.2	ug/Kg	02/06/15	CE	SW8081
Endrin aldehyde	ND	7.2	7.2	ug/Kg	02/06/15	CE	SW8081
Endrin ketone	ND	7.2	7.2	ug/Kg	02/06/15	CE	SW8081
g-BHC	ND	1.4	1.4	ug/Kg	02/06/15	CE	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	02/06/15	CE	SW8081
Heptachlor	ND	7.2	7.2	ug/Kg	02/06/15	CE	SW8081
Heptachlor epoxide	ND	7.2	7.2	ug/Kg	02/06/15	CE	SW8081
Methoxychlor	ND	36	36	ug/Kg	02/06/15	CE	SW8081
Toxaphene	ND	140	140	ug/Kg	02/06/15	CE	SW8081
QA/QC Surrogates							
% DCBP	79			%	02/06/15	CE	30 - 150 %
% TCMX	85			%	02/06/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
QA/QC Surrogates							
% DCAA	57			%	02/10/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/07/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/07/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/07/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/07/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/07/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/07/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/07/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/07/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/07/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/07/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/07/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/07/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/07/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/07/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/07/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/07/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	92			%	02/07/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	72			%	02/07/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	58	53	53	mg/Kg	02/09/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	93			%	02/09/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/05/15	MH	SW8260
Benzene	ND	25	25	ug/L	02/05/15	MH	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/05/15	MH	SW8260
Chlorobenzene	ND	25	25	ug/L	02/05/15	MH	SW8260
Chloroform	ND	25	25	ug/L	02/05/15	MH	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/05/15	MH	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
Trichloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
Vinyl chloride	ND	25	25	ug/L	02/05/15	MH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100			%	02/05/15	MH	70 - 130 %
% Bromofluorobenzene	98			%	02/05/15	MH	70 - 130 %
% Dibromofluoromethane	101			%	02/05/15	MH	70 - 130 %
% Toluene-d8	98			%	02/05/15	MH	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	1200	550	ug/Kg	02/05/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	1200	630	ug/Kg	02/05/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	1800	1800	ug/Kg	02/05/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	1200	830	ug/Kg	02/05/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	1200	980	ug/Kg	02/05/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	710	570	ug/Kg	02/05/15	DD	SW 8270
2,4-Dichlorophenol	ND	710	630	ug/Kg	02/05/15	DD	SW 8270
2,4-Dimethylphenol	ND	1200	440	ug/Kg	02/05/15	DD	SW 8270
2,4-Dinitrophenol	ND	1200	1200	ug/Kg	02/05/15	DD	SW 8270
2,4-Dinitrotoluene	ND	710	700	ug/Kg	02/05/15	DD	SW 8270
2,6-Dinitrotoluene	ND	710	560	ug/Kg	02/05/15	DD	SW 8270
2-Chloronaphthalene	ND	1200	510	ug/Kg	02/05/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 38 COMP

Phoenix I.D.: BH70551

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		1200	510	ug/Kg	02/05/15	DD	SW 8270	
2-Methylnaphthalene	ND		1200	530	ug/Kg	02/05/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		1200	840	ug/Kg	02/05/15	DD	SW 8270	
2-Nitroaniline	ND		8900	1800	ug/Kg	02/05/15	DD	SW 8270	
2-Nitrophenol	ND		1200	1100	ug/Kg	02/05/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		1200	700	ug/Kg	02/05/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		710	840	ug/Kg	02/05/15	DD	SW 8270	
3-Nitroaniline	ND		8900	3900	ug/Kg	02/05/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		1200	1900	ug/Kg	02/05/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		1200	520	ug/Kg	02/05/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		1200	630	ug/Kg	02/05/15	DD	SW 8270	
4-Chloroaniline	ND		3600	830	ug/Kg	02/05/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		1200	600	ug/Kg	02/05/15	DD	SW 8270	
4-Nitroaniline	ND		8900	600	ug/Kg	02/05/15	DD	SW 8270	
4-Nitrophenol	ND		8900	810	ug/Kg	02/05/15	DD	SW 8270	
Acenaphthene	ND		1200	540	ug/Kg	02/05/15	DD	SW 8270	
Acenaphthylene	ND		710	500	ug/Kg	02/05/15	DD	SW 8270	
Acetophenone	ND		1200	560	ug/Kg	02/05/15	DD	SW 8270	
Anthracene	ND		1200	580	ug/Kg	02/05/15	DD	SW 8270	
Atrazine	ND		710	800	ug/Kg	02/05/15	DD	SW 8270	
Benz(a)anthracene	620	J	1200	600	ug/Kg	02/05/15	DD	SW 8270	
Benzaldehyde	ND		1200	530	ug/Kg	02/05/15	DD	SW 8270	
Benzidine	ND		2700	2700	ug/Kg	02/05/15	DD	SW 8270	
Benzo(a)pyrene	ND		710	580	ug/Kg	02/05/15	DD	SW 8270	
Benzo(b)fluoranthene	650	J	1200	610	ug/Kg	02/05/15	DD	SW 8270	
Benzo(ghi)perylene	ND		1200	580	ug/Kg	02/05/15	DD	SW 8270	
Benzo(k)fluoranthene	ND		1200	590	ug/Kg	02/05/15	DD	SW 8270	
Benzyl Alcohol	ND		1800	1800	ug/Kg	02/05/15	DD	SW 8270	
Benzyl butyl phthalate	ND		1200	460	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		1200	490	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		710	480	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		1200	500	ug/Kg	02/05/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		1200	510	ug/Kg	02/05/15	DD	SW 8270	
Caprolactam	ND		1200	3200	ug/Kg	02/05/15	DD	SW 8270	
Carbazole	ND		8900	1400	ug/Kg	02/05/15	DD	SW 8270	
Chrysene	620	J	1200	600	ug/Kg	02/05/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		710	580	ug/Kg	02/05/15	DD	SW 8270	
Dibenzofuran	ND		1200	520	ug/Kg	02/05/15	DD	SW 8270	
Diethyl phthalate	ND		1200	560	ug/Kg	02/05/15	DD	SW 8270	
Dimethylphthalate	ND		1200	550	ug/Kg	02/05/15	DD	SW 8270	
Di-n-butylphthalate	ND		1200	470	ug/Kg	02/05/15	DD	SW 8270	
Di-n-octylphthalate	ND		1200	460	ug/Kg	02/05/15	DD	SW 8270	
Fluoranthene	1300		1200	580	ug/Kg	02/05/15	DD	SW 8270	
Fluorene	ND		1200	590	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorobenzene	ND		710	520	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorobutadiene	ND		1200	650	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		1200	550	ug/Kg	02/05/15	DD	SW 8270	
Hexachloroethane	ND		710	530	ug/Kg	02/05/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND		1200	590	ug/Kg	02/05/15	DD	SW 8270	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND		710	500	ug/Kg	02/05/15	DD	SW 8270	
Naphthalene	ND		1200	510	ug/Kg	02/05/15	DD	SW 8270	
Nitrobenzene	ND		710	620	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodimethylamine	ND		1200	500	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		710	580	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND		710	680	ug/Kg	02/05/15	DD	SW 8270	
Pentachlorophenol	ND		1200	670	ug/Kg	02/05/15	DD	SW 8270	
Phenanthrene	800		710	510	ug/Kg	02/05/15	DD	SW 8270	
Phenol	ND		1200	570	ug/Kg	02/05/15	DD	SW 8270	
Pyrene	1200	J	1200	610	ug/Kg	02/05/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	88				%	02/05/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	79				%	02/05/15	DD	30 - 130 %	
% 2-Fluorophenol	68				%	02/05/15	DD	30 - 130 %	
% Nitrobenzene-d5	86				%	02/05/15	DD	30 - 130 %	
% Phenol-d5	74				%	02/05/15	DD	30 - 130 %	
% Terphenyl-d14	91				%	02/05/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral									
1,4-Dichlorobenzene	ND		83	83	ug/L	02/06/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND		83	83	ug/L	02/06/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND		83	83	ug/L	02/06/15	DD	SW 8270	
2,4-Dinitrotoluene	ND		83	83	ug/L	02/06/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		83	83	ug/L	02/06/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND		83	83	ug/L	02/06/15	DD	SW 8270	
Hexachlorobenzene	ND		83	83	ug/L	02/06/15	DD	SW 8270	
Hexachlorobutadiene	ND		83	83	ug/L	02/06/15	DD	SW 8270	
Hexachloroethane	ND		83	83	ug/L	02/06/15	DD	SW 8270	
Nitrobenzene	ND		83	83	ug/L	02/06/15	DD	SW 8270	
Pentachlorophenol	ND		83	83	ug/L	02/06/15	DD	SW 8270	
Pyridine	ND		83	83	ug/L	02/06/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	96				%	02/06/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	68				%	02/06/15	DD	30 - 130 %	
% 2-Fluorophenol	55				%	02/06/15	DD	15 - 110 %	
% Nitrobenzene-d5	85				%	02/06/15	DD	30 - 130 %	
% Phenol-d5	48				%	02/06/15	DD	15 - 110 %	
% Terphenyl-d14	86				%	02/06/15	DD	30 - 130 %	
Aniline	ND		330		ug/Kg	02/06/15	DD	SW8270	
Benzoic Acid	ND		330		ug/Kg	02/06/15	DD	SW8270	1
Parathion	ND		5		ug/Kg	02/06/15	DD	SW8270	1

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 38 COMP

Phoenix I.D.: BH70551

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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.

For Herbicides, surrogate recovery was low. Sample was re-extracted with matching results

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

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

Phyllis Shiller, Laboratory Director
February 13, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 13, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/04/15	9:15
Location Code:	IMPACT	Received by:	SW	02/04/15	17:06
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70542
Phoenix ID: BH70552

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 43 1-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/04/15	I	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	2.3	0.45	ug/Kg	02/06/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	2.3	0.45	ug/Kg	02/06/15	JLI	SW8260
1,3-Dichlorobenzene	ND	2.3	0.45	ug/Kg	02/06/15	JLI	SW8260
Naphthalene	ND	2.3	0.60	ug/Kg	02/06/15	JLI	SW8260
n-Butylbenzene	ND	2.3	0.45	ug/Kg	02/06/15	JLI	SW8260
n-Propylbenzene	ND	2.3	0.45	ug/Kg	02/06/15	JLI	SW8260
p-Isopropyltoluene	ND	2.3	0.45	ug/Kg	02/06/15	JLI	SW8260
sec-Butylbenzene	ND	2.3	0.45	ug/Kg	02/06/15	JLI	SW8260
tert-Butylbenzene	ND	2.3	0.45	ug/Kg	02/06/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100			%	02/06/15	JLI	SW8260
% Bromofluorobenzene	94			%	02/06/15	JLI	SW8260
% Dibromofluoromethane	88			%	02/06/15	JLI	SW8260
% Toluene-d8	89			%	02/06/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	45	45	ug/kg	02/06/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	2.3	0.45	ug/Kg	02/06/15	JLI	SW8260
1,1,1-Trichloroethane	ND	2.3	0.45	ug/Kg	02/06/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	2.3	0.32	ug/Kg	02/06/15	JLI	SW8260
1,1,2-Trichloroethane	ND	2.3	0.22	ug/Kg	02/06/15	JLI	SW8260
1,1-Dichloroethane	ND	2.3	0.45	ug/Kg	02/06/15	JLI	SW8260
1,1-Dichloroethene	ND	2.3	0.49	ug/Kg	02/06/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 43 1-2

Phoenix I.D.: BH70552

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		2.3	0.30	ug/Kg	02/06/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		2.3	0.27	ug/Kg	02/06/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		2.3	0.60	ug/Kg	02/06/15	JLI	SW8260
1,2-Dibromoethane	ND		2.3	0.60	ug/Kg	02/06/15	JLI	SW8260
1,2-Dichlorobenzene	ND		2.3	0.25	ug/Kg	02/06/15	JLI	SW8260
1,2-Dichloroethane	ND		2.3	0.20	ug/Kg	02/06/15	JLI	SW8260
1,2-Dichloropropane	ND		2.3	0.32	ug/Kg	02/06/15	JLI	SW8260
1,3-Dichlorobenzene	ND		2.3	0.33	ug/Kg	02/06/15	JLI	SW8260
1,4-Dichlorobenzene	ND		2.3	0.36	ug/Kg	02/06/15	JLI	SW8260
2-Hexanone	ND		11	1.0	ug/Kg	02/06/15	JLI	SW8260
4-Methyl-2-pentanone	ND		11	0.54	ug/Kg	02/06/15	JLI	SW8260
Acetone	6.5	JS	23	2.2	ug/Kg	02/06/15	JLI	SW8260
Acrolein	ND		11	1.8	ug/Kg	02/06/15	JLI	SW8260
Acrylonitrile	ND		4.5	1.3	ug/Kg	02/06/15	JLI	SW8260
Benzene	ND		2.3	0.45	ug/Kg	02/06/15	JLI	SW8260
Bromochloromethane	ND		2.3	0.33	ug/Kg	02/06/15	JLI	SW8260
Bromodichloromethane	ND		2.3	0.28	ug/Kg	02/06/15	JLI	SW8260
Bromoform	ND		2.3	0.32	ug/Kg	02/06/15	JLI	SW8260
Bromomethane	ND		2.3	1.7	ug/Kg	02/06/15	JLI	SW8260
Carbon Disulfide	ND		2.3	0.36	ug/Kg	02/06/15	JLI	SW8260
Carbon tetrachloride	ND		2.3	0.26	ug/Kg	02/06/15	JLI	SW8260
Chlorobenzene	ND		2.3	0.33	ug/Kg	02/06/15	JLI	SW8260
Chloroethane	ND		2.3	0.53	ug/Kg	02/06/15	JLI	SW8260
Chloroform	ND		2.3	0.41	ug/Kg	02/06/15	JLI	SW8260
Chloromethane	ND		2.3	1.2	ug/Kg	02/06/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		2.3	0.49	ug/Kg	02/06/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		2.3	0.24	ug/Kg	02/06/15	JLI	SW8260
Cyclohexane	ND		2.3	2.3	ug/Kg	02/06/15	JLI	SW8260
Dibromochloromethane	ND		2.3	0.25	ug/Kg	02/06/15	JLI	SW8260
Dichlorodifluoromethane	ND		2.3	0.60	ug/Kg	02/06/15	JLI	SW8260
Ethylbenzene	ND		2.3	0.41	ug/Kg	02/06/15	JLI	SW8260
Isopropylbenzene	ND		2.3	0.43	ug/Kg	02/06/15	JLI	SW8260
m&p-Xylene	ND		2.3	0.89	ug/Kg	02/06/15	JLI	SW8260
Methyl ethyl ketone	ND		14	2.0	ug/Kg	02/06/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		4.5	0.62	ug/Kg	02/06/15	JLI	SW8260
Methylacetate	ND		2.3	2.3	ug/Kg	02/06/15	JLI	SW8260
Methylcyclohexane	ND		2.3	2.3	ug/Kg	02/06/15	JLI	SW8260
Methylene chloride	1.0	JS	2.3	0.37	ug/Kg	02/06/15	JLI	SW8260
o-Xylene	ND		2.3	0.86	ug/Kg	02/06/15	JLI	SW8260
Styrene	ND		2.3	0.65	ug/Kg	02/06/15	JLI	SW8260
tert-butyl alcohol	ND		45	45	ug/Kg	02/06/15	JLI	SW8260
Tetrachloroethene	ND		2.3	0.47	ug/Kg	02/06/15	JLI	SW8260
Toluene	ND		2.3	0.36	ug/Kg	02/06/15	JLI	SW8260
Total Xylenes	ND		2.3	2.3	ug/Kg	02/06/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		2.3	0.45	ug/Kg	02/06/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		2.3	0.46	ug/Kg	02/06/15	JLI	SW8260
Trichloroethene	ND		2.3	0.48	ug/Kg	02/06/15	JLI	SW8260
Trichlorofluoromethane	ND		2.3	0.50	ug/Kg	02/06/15	JLI	SW8260
Trichlorotrifluoroethane	ND		2.3	0.35	ug/Kg	02/06/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 43 1-2

Phoenix I.D.: BH70552

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	2.3	0.73	ug/Kg	02/06/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	02/06/15	JLI	70 - 130 %	
% Bromofluorobenzene	91			%	02/06/15	JLI	70 - 130 %	
% Dibromofluoromethane	86			%	02/06/15	JLI	70 - 130 %	
% Toluene-d8	89			%	02/06/15	JLI	70 - 130 %	
Vinyl Acetate	ND	23	23	ug/Kg	02/06/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

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 13, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 13, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/04/15	9:15
Location Code:	IMPACT	Received by:	SW	02/04/15	17:06
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70542
Phoenix ID: BH70553

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 43 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.35	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Aluminum	3690	52	6.9	mg/Kg	02/05/15	LK	SW6010	
Arsenic	2.3	0.7	0.69	mg/Kg	02/05/15	LK	SW6010	
Barium	29.2	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Beryllium	< 0.28	0.28	0.14	mg/Kg	02/05/15	LK	SW6010	
Calcium	4620	5.2	3.2	mg/Kg	02/05/15	LK	SW6010	B
Cadmium	0.60	0.35	0.14	mg/Kg	02/05/15	LK	SW6010	
Cobalt	3.44	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Chromium	10.6	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Copper	14.4	0.35	0.35	mg/kg	02/05/15	LK	SW6010	
Iron	8870	52	35	mg/Kg	02/05/15	LK	SW6010	
Mercury	0.07	0.03	0.02	mg/Kg	02/05/15	RS	SW-7471	
Potassium	770	5.2	2.7	mg/Kg	02/05/15	LK	SW6010	
Magnesium	1630	5.2	3.5	mg/Kg	02/05/15	LK	SW6010	
Manganese	113	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Sodium	167	5.2	3.0	mg/Kg	02/05/15	LK	SW6010	
Nickel	16.6	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Lead	41.8	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Antimony	< 3.5	3.5	1.7	mg/Kg	02/05/15	LK	SW6010	
Selenium	< 1.4	1.4	1.2	mg/Kg	02/05/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/05/15	EK	SW6010	
TCLP Barium	0.53	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/05/15	EK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/05/15	RS	SW7470	
TCLP Lead	< 0.10	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/05/15	EK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 43 COMP

Phoenix I.D.: BH70553

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.1	3.1	1.4	mg/Kg	02/05/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/05/15	I/I	SW3005	
Trivalent Chromium	10.6	0.50		mg/kg	02/05/15	CL	Calculation	
Vanadium	11.2	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Zinc	64.7	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Percent Solid	89			%	02/04/15	I	SW846	
Corrosivity	Negative			Pos/Neg	02/04/15	O/EG	SW846	1
Flash Point	>200	200		degree F	02/05/15	Y	SW1010	
Chromium, Hexavalent	< 0.45	0.45	0.45	mg/Kg	02/05/15 14:55	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/05/15	Y	SW846	1
pH - Soil	11.73	0.10		pH Units	02/04/15 20:00	O/EG	4500-H B/9045	1
Reactivity Cyanide	< 5.6	5.6	0.028	mg/Kg	02/05/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/05/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/05/15	EG	SW 846-7.3	1
Redox Potential	-40	1.0		mV	02/04/15	O/EG	SM2580B	1
Total Cyanide	< 0.51	0.51	0.26	mg/Kg	02/05/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				02/04/15	BC/H	SW3545	
Soil Extraction for Pesticide	Completed				02/04/15	BC	SW3545	
Soil Extraction for SVOA	Completed				02/04/15	JJ/VH	SW3545	
Mercury Digestion	Completed				02/05/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/04/15	P/DW	SW8151	
TCLP Digestion Mercury	Completed				02/05/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/05/15	F/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				02/04/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				02/04/15	I	1311	
TCLP Pesticides Extraction	Completed				02/05/15	T	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/05/15	L	SW3510	
TCLP Extraction Volatiles	Completed				02/04/15	Y	EPA 1311	
Total Metals Digest	Completed				02/04/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				02/04/15	BC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	46	46	ug/Kg	02/06/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	46	46	ug/Kg	02/06/15	BB	SW8151	
2,4-D	ND	46	46	ug/Kg	02/06/15	BB	SW8151	
2,4-DB	ND	460	460	ug/Kg	02/06/15	BB	SW8151	
Dalapon	ND	46	46	ug/Kg	02/06/15	BB	SW8151	
Dicamba	ND	93	93	ug/Kg	02/06/15	BB	SW8151	
Dichloroprop	ND	46	46	ug/Kg	02/06/15	BB	SW8151	
Dinoseb	ND	93	93	ug/Kg	02/06/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	53			%	02/06/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	73	73	ug/Kg	02/05/15	AW	SW 8082	
PCB-1221	ND	73	73	ug/Kg	02/05/15	AW	SW 8082	
PCB-1232	ND	73	73	ug/Kg	02/05/15	AW	SW 8082	
PCB-1242	ND	73	73	ug/Kg	02/05/15	AW	SW 8082	
PCB-1248	ND	73	73	ug/Kg	02/05/15	AW	SW 8082	
PCB-1254	ND	73	73	ug/Kg	02/05/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 43 COMP

Phoenix I.D.: BH70553

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	73	73	ug/Kg	02/05/15	AW	SW 8082
PCB-1262	ND	73	73	ug/Kg	02/05/15	AW	SW 8082
PCB-1268	ND	73	73	ug/Kg	02/05/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	74			%	02/05/15	AW	30 - 150 %
% TCMX	72			%	02/05/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.2	2.2	ug/Kg	02/05/15	CE	SW8081
4,4' -DDE	ND	2.2	2.2	ug/Kg	02/05/15	CE	SW8081
4,4' -DDT	ND	2.2	2.2	ug/Kg	02/05/15	CE	SW8081
a-BHC	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	02/05/15	CE	SW8081
Aldrin	ND	3.6	3.6	ug/Kg	02/05/15	CE	SW8081
b-BHC	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Chlordane	ND	36	36	ug/Kg	02/05/15	CE	SW8081
d-BHC	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Dieldrin	ND	3.6	3.6	ug/Kg	02/05/15	CE	SW8081
Endosulfan I	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Endosulfan II	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Endosulfan sulfate	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Endrin	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Endrin aldehyde	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Endrin ketone	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
g-BHC	ND	1.5	1.5	ug/Kg	02/05/15	CE	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	02/05/15	CE	SW8081
Heptachlor	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Heptachlor epoxide	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Methoxychlor	ND	36	36	ug/Kg	02/05/15	CE	SW8081
Toxaphene	ND	150	150	ug/Kg	02/05/15	CE	SW8081
QA/QC Surrogates							
% DCBP	76			%	02/05/15	CE	30 - 150 %
% TCMX	74			%	02/05/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
QA/QC Surrogates							
% DCAA	60			%	02/10/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/07/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/07/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/07/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/07/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/07/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/07/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/07/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/07/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/07/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/07/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/07/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/07/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/07/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/07/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/07/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/07/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	93			%	02/07/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	66			%	02/07/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	55	55	mg/Kg	02/09/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	97			%	02/09/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/05/15	MH	SW8260
Benzene	ND	25	25	ug/L	02/05/15	MH	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/05/15	MH	SW8260
Chlorobenzene	ND	25	25	ug/L	02/05/15	MH	SW8260
Chloroform	ND	25	25	ug/L	02/05/15	MH	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/05/15	MH	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
Trichloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
Vinyl chloride	ND	25	25	ug/L	02/05/15	MH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101			%	02/05/15	MH	70 - 130 %
% Bromofluorobenzene	98			%	02/05/15	MH	70 - 130 %
% Dibromofluoromethane	102			%	02/05/15	MH	70 - 130 %
% Toluene-d8	99			%	02/05/15	MH	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	260	110	ug/Kg	02/05/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	02/05/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	370	370	ug/Kg	02/05/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	260	170	ug/Kg	02/05/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	02/05/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	02/05/15	DD	SW 8270
2,4-Dichlorophenol	ND	150	130	ug/Kg	02/05/15	DD	SW 8270
2,4-Dimethylphenol	ND	260	91	ug/Kg	02/05/15	DD	SW 8270
2,4-Dinitrophenol	ND	260	260	ug/Kg	02/05/15	DD	SW 8270
2,4-Dinitrotoluene	ND	150	140	ug/Kg	02/05/15	DD	SW 8270
2,6-Dinitrotoluene	ND	150	120	ug/Kg	02/05/15	DD	SW 8270
2-Chloronaphthalene	ND	260	100	ug/Kg	02/05/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 43 COMP

Phoenix I.D.: BH70553

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		260	100	ug/Kg	02/05/15	DD	SW 8270	
2-Methylnaphthalene	ND		260	110	ug/Kg	02/05/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		260	170	ug/Kg	02/05/15	DD	SW 8270	
2-Nitroaniline	ND		1800	370	ug/Kg	02/05/15	DD	SW 8270	
2-Nitrophenol	ND		260	230	ug/Kg	02/05/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		260	140	ug/Kg	02/05/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		150	170	ug/Kg	02/05/15	DD	SW 8270	
3-Nitroaniline	ND		1800	800	ug/Kg	02/05/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		260	390	ug/Kg	02/05/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		260	110	ug/Kg	02/05/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		260	130	ug/Kg	02/05/15	DD	SW 8270	
4-Chloroaniline	ND		730	170	ug/Kg	02/05/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		260	120	ug/Kg	02/05/15	DD	SW 8270	
4-Nitroaniline	ND		1800	120	ug/Kg	02/05/15	DD	SW 8270	
4-Nitrophenol	ND		1800	170	ug/Kg	02/05/15	DD	SW 8270	
Acenaphthene	ND		260	110	ug/Kg	02/05/15	DD	SW 8270	
Acenaphthylene	ND		150	100	ug/Kg	02/05/15	DD	SW 8270	
Acetophenone	ND		260	110	ug/Kg	02/05/15	DD	SW 8270	
Anthracene	ND		260	120	ug/Kg	02/05/15	DD	SW 8270	
Atrazine	ND		150	160	ug/Kg	02/05/15	DD	SW 8270	
Benz(a)anthracene	ND		260	120	ug/Kg	02/05/15	DD	SW 8270	
Benzaldehyde	ND		260	110	ug/Kg	02/05/15	DD	SW 8270	
Benzidine	ND		550	550	ug/Kg	02/05/15	DD	SW 8270	
Benzo(a)pyrene	ND		150	120	ug/Kg	02/05/15	DD	SW 8270	
Benzo(b)fluoranthene	130	J	260	130	ug/Kg	02/05/15	DD	SW 8270	
Benzo(ghi)perylene	ND		260	120	ug/Kg	02/05/15	DD	SW 8270	
Benzo(k)fluoranthene	ND		260	120	ug/Kg	02/05/15	DD	SW 8270	
Benzyl Alcohol	ND		370	370	ug/Kg	02/05/15	DD	SW 8270	
Benzyl butyl phthalate	ND		260	94	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		260	100	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		150	99	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		260	100	ug/Kg	02/05/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		260	110	ug/Kg	02/05/15	DD	SW 8270	
Caprolactam	ND		260	650	ug/Kg	02/05/15	DD	SW 8270	
Carbazole	ND		1800	280	ug/Kg	02/05/15	DD	SW 8270	
Chrysene	ND		260	120	ug/Kg	02/05/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		150	120	ug/Kg	02/05/15	DD	SW 8270	
Dibenzofuran	ND		260	110	ug/Kg	02/05/15	DD	SW 8270	
Diethyl phthalate	ND		260	120	ug/Kg	02/05/15	DD	SW 8270	
Dimethylphthalate	ND		260	110	ug/Kg	02/05/15	DD	SW 8270	
Di-n-butylphthalate	ND		260	97	ug/Kg	02/05/15	DD	SW 8270	
Di-n-octylphthalate	ND		260	94	ug/Kg	02/05/15	DD	SW 8270	
Fluoranthene	180	J	260	120	ug/Kg	02/05/15	DD	SW 8270	
Fluorene	ND		260	120	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorobenzene	ND		150	110	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorobutadiene	ND		260	130	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		260	110	ug/Kg	02/05/15	DD	SW 8270	
Hexachloroethane	ND		150	110	ug/Kg	02/05/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND		260	120	ug/Kg	02/05/15	DD	SW 8270	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 43 COMP

Phoenix I.D.: BH70553

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND		150	100	ug/Kg	02/05/15	DD	SW 8270	
Naphthalene	ND		260	110	ug/Kg	02/05/15	DD	SW 8270	
Nitrobenzene	ND		150	130	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodimethylamine	ND		260	100	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		150	120	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND		150	140	ug/Kg	02/05/15	DD	SW 8270	
Pentachlorophenol	ND		260	140	ug/Kg	02/05/15	DD	SW 8270	
Phenanthrene	130	J	150	100	ug/Kg	02/05/15	DD	SW 8270	
Phenol	ND		260	120	ug/Kg	02/05/15	DD	SW 8270	
Pyrene	160	J	260	130	ug/Kg	02/05/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	68				%	02/05/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	81				%	02/05/15	DD	30 - 130 %	
% 2-Fluorophenol	64				%	02/05/15	DD	30 - 130 %	
% Nitrobenzene-d5	97				%	02/05/15	DD	30 - 130 %	
% Phenol-d5	82				%	02/05/15	DD	30 - 130 %	
% Terphenyl-d14	72				%	02/05/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral									
1,4-Dichlorobenzene	ND		83	83	ug/L	02/06/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND		83	83	ug/L	02/06/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND		83	83	ug/L	02/06/15	DD	SW 8270	
2,4-Dinitrotoluene	ND		83	83	ug/L	02/06/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		83	83	ug/L	02/06/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND		83	83	ug/L	02/06/15	DD	SW 8270	
Hexachlorobenzene	ND		83	83	ug/L	02/06/15	DD	SW 8270	
Hexachlorobutadiene	ND		83	83	ug/L	02/06/15	DD	SW 8270	
Hexachloroethane	ND		83	83	ug/L	02/06/15	DD	SW 8270	
Nitrobenzene	ND		83	83	ug/L	02/06/15	DD	SW 8270	
Pentachlorophenol	ND		83	83	ug/L	02/06/15	DD	SW 8270	
Pyridine	ND		83	83	ug/L	02/06/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	93				%	02/06/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	67				%	02/06/15	DD	30 - 130 %	
% 2-Fluorophenol	53				%	02/06/15	DD	15 - 110 %	
% Nitrobenzene-d5	83				%	02/06/15	DD	30 - 130 %	
% Phenol-d5	46				%	02/06/15	DD	15 - 110 %	
% Terphenyl-d14	81				%	02/06/15	DD	30 - 130 %	
Aniline	ND		330		ug/Kg	02/05/15	DD	SW8270	
Benzoic Acid	ND		330		ug/Kg	02/05/15	DD	SW8270	1
Parathion	ND		5		ug/Kg	02/05/15	DD	SW8270	1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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 13, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 13, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/04/15	10:10
Location Code:	IMPACT	Received by:	SW	02/04/15	17:06
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70542
Phoenix ID: BH70554

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 51 2-3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/04/15	I	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	3.3	0.65	ug/Kg	02/06/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	3.3	0.65	ug/Kg	02/06/15	JLI	SW8260
1,3-Dichlorobenzene	ND	3.3	0.65	ug/Kg	02/06/15	JLI	SW8260
Naphthalene	ND	3.3	0.87	ug/Kg	02/06/15	JLI	SW8260
n-Butylbenzene	ND	3.3	0.65	ug/Kg	02/06/15	JLI	SW8260
n-Propylbenzene	ND	3.3	0.65	ug/Kg	02/06/15	JLI	SW8260
p-Isopropyltoluene	ND	3.3	0.65	ug/Kg	02/06/15	JLI	SW8260
sec-Butylbenzene	ND	3.3	0.65	ug/Kg	02/06/15	JLI	SW8260
tert-Butylbenzene	ND	3.3	0.65	ug/Kg	02/06/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	112			%	02/06/15	JLI	SW8260
% Bromofluorobenzene	82			%	02/06/15	JLI	SW8260
% Dibromofluoromethane	97			%	02/06/15	JLI	SW8260
% Toluene-d8	86			%	02/06/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	65	65	ug/kg	02/06/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	3.3	0.65	ug/Kg	02/06/15	JLI	SW8260
1,1,1-Trichloroethane	ND	3.3	0.65	ug/Kg	02/06/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	3.3	0.46	ug/Kg	02/06/15	JLI	SW8260
1,1,2-Trichloroethane	ND	3.3	0.32	ug/Kg	02/06/15	JLI	SW8260
1,1-Dichloroethane	ND	3.3	0.64	ug/Kg	02/06/15	JLI	SW8260
1,1-Dichloroethene	ND	3.3	0.71	ug/Kg	02/06/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 51 2-3

Phoenix I.D.: BH70554

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		3.3	0.44	ug/Kg	02/06/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		3.3	0.38	ug/Kg	02/06/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		3.3	0.87	ug/Kg	02/06/15	JLI	SW8260
1,2-Dibromoethane	ND		3.3	0.86	ug/Kg	02/06/15	JLI	SW8260
1,2-Dichlorobenzene	ND		3.3	0.36	ug/Kg	02/06/15	JLI	SW8260
1,2-Dichloroethane	ND		3.3	0.29	ug/Kg	02/06/15	JLI	SW8260
1,2-Dichloropropane	ND		3.3	0.46	ug/Kg	02/06/15	JLI	SW8260
1,3-Dichlorobenzene	ND		3.3	0.48	ug/Kg	02/06/15	JLI	SW8260
1,4-Dichlorobenzene	ND		3.3	0.51	ug/Kg	02/06/15	JLI	SW8260
2-Hexanone	ND		16	1.5	ug/Kg	02/06/15	JLI	SW8260
4-Methyl-2-pentanone	ND		16	0.77	ug/Kg	02/06/15	JLI	SW8260
Acetone	ND		33	3.2	ug/Kg	02/06/15	JLI	SW8260
Acrolein	ND		16	2.6	ug/Kg	02/06/15	JLI	SW8260
Acrylonitrile	ND		6.5	1.8	ug/Kg	02/06/15	JLI	SW8260
Benzene	ND		3.3	0.64	ug/Kg	02/06/15	JLI	SW8260
Bromochloromethane	ND		3.3	0.47	ug/Kg	02/06/15	JLI	SW8260
Bromodichloromethane	ND		3.3	0.40	ug/Kg	02/06/15	JLI	SW8260
Bromoform	ND		3.3	0.46	ug/Kg	02/06/15	JLI	SW8260
Bromomethane	ND		3.3	2.5	ug/Kg	02/06/15	JLI	SW8260
Carbon Disulfide	ND		3.3	0.53	ug/Kg	02/06/15	JLI	SW8260
Carbon tetrachloride	ND		3.3	0.38	ug/Kg	02/06/15	JLI	SW8260
Chlorobenzene	ND		3.3	0.48	ug/Kg	02/06/15	JLI	SW8260
Chloroethane	ND		3.3	0.76	ug/Kg	02/06/15	JLI	SW8260
Chloroform	ND		3.3	0.59	ug/Kg	02/06/15	JLI	SW8260
Chloromethane	ND		3.3	1.7	ug/Kg	02/06/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		3.3	0.71	ug/Kg	02/06/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		3.3	0.35	ug/Kg	02/06/15	JLI	SW8260
Cyclohexane	ND		3.3	3.3	ug/Kg	02/06/15	JLI	SW8260
Dibromochloromethane	ND		3.3	0.36	ug/Kg	02/06/15	JLI	SW8260
Dichlorodifluoromethane	ND		3.3	0.86	ug/Kg	02/06/15	JLI	SW8260
Ethylbenzene	ND		3.3	0.59	ug/Kg	02/06/15	JLI	SW8260
Isopropylbenzene	ND		3.3	0.62	ug/Kg	02/06/15	JLI	SW8260
m&p-Xylene	ND		3.3	1.3	ug/Kg	02/06/15	JLI	SW8260
Methyl ethyl ketone	ND		20	2.8	ug/Kg	02/06/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		6.5	0.90	ug/Kg	02/06/15	JLI	SW8260
Methylacetate	ND		3.3	3.3	ug/Kg	02/06/15	JLI	SW8260
Methylcyclohexane	ND		3.3	3.3	ug/Kg	02/06/15	JLI	SW8260
Methylene chloride	1.0	JS	3.3	0.53	ug/Kg	02/06/15	JLI	SW8260
o-Xylene	ND		3.3	1.2	ug/Kg	02/06/15	JLI	SW8260
Styrene	ND		3.3	0.94	ug/Kg	02/06/15	JLI	SW8260
tert-butyl alcohol	ND		65	65	ug/Kg	02/06/15	JLI	SW8260
Tetrachloroethene	ND		3.3	0.68	ug/Kg	02/06/15	JLI	SW8260
Toluene	ND		3.3	0.51	ug/Kg	02/06/15	JLI	SW8260
Total Xylenes	ND		3.3	3.3	ug/Kg	02/06/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		3.3	0.65	ug/Kg	02/06/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		3.3	0.66	ug/Kg	02/06/15	JLI	SW8260
Trichloroethene	ND		3.3	0.69	ug/Kg	02/06/15	JLI	SW8260
Trichlorofluoromethane	ND		3.3	0.72	ug/Kg	02/06/15	JLI	SW8260
Trichlorotrifluoroethane	ND		3.3	0.51	ug/Kg	02/06/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 51 2-3

Phoenix I.D.: BH70554

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	3.3	1.1	ug/Kg	02/06/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	113			%	02/06/15	JLI	70 - 130 %	
% Bromofluorobenzene	79			%	02/06/15	JLI	70 - 130 %	
% Dibromofluoromethane	98			%	02/06/15	JLI	70 - 130 %	
% Toluene-d8	86			%	02/06/15	JLI	70 - 130 %	
Vinyl Acetate	ND	33	33	ug/Kg	02/06/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

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 13, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 13, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/04/15	10:10
Location Code:	IMPACT	Received by:	SW	02/04/15	17:06
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70542
Phoenix ID: BH70555

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 51 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.35	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Aluminum	1380	5.2	0.70	mg/Kg	02/05/15	LK	SW6010	
Arsenic	1.3	0.7	0.70	mg/Kg	02/05/15	LK	SW6010	
Barium	606	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Beryllium	< 0.28	0.28	0.14	mg/Kg	02/05/15	LK	SW6010	
Calcium	1500	5.2	3.2	mg/Kg	02/05/15	LK	SW6010	B
Cadmium	< 0.35	0.35	0.14	mg/Kg	02/05/15	LK	SW6010	
Cobalt	1.36	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Chromium	7.87	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Copper	7.54	0.35	0.35	mg/kg	02/05/15	LK	SW6010	
Iron	3060	5.2	3.5	mg/Kg	02/05/15	LK	SW6010	
Mercury	0.04	0.03	0.02	mg/Kg	02/05/15	RS	SW-7471	
Potassium	329	5.2	2.7	mg/Kg	02/05/15	LK	SW6010	
Magnesium	903	5.2	3.5	mg/Kg	02/05/15	LK	SW6010	
Manganese	44.5	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Sodium	64.9	5.2	3.0	mg/Kg	02/05/15	LK	SW6010	
Nickel	3.71	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Lead	306	3.5	3.5	mg/Kg	02/05/15	LK	SW6010	
Antimony	< 3.5	3.5	1.7	mg/Kg	02/05/15	LK	SW6010	
Selenium	< 1.4	1.4	1.2	mg/Kg	02/05/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/05/15	EK	SW6010	
TCLP Barium	4.28	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/05/15	EK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/05/15	RS	SW7470	
TCLP Lead	3.69	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/05/15	EK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 51 COMP

Phoenix I.D.: BH70555

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.1	3.1	1.4	mg/Kg	02/05/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/05/15	I/I	SW3005	
Trivalent Chromium	7.31	0.50		mg/kg	02/05/15	CL	Calculation	
Vanadium	4.93	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Zinc	406	3.5	3.5	mg/Kg	02/05/15	LK	SW6010	
Percent Solid	91			%	02/04/15	I	SW846	
Corrosivity	Negative			Pos/Neg	02/04/15	O/EG	SW846	1
Flash Point	>200	200		degree F	02/05/15	Y	SW1010	
Chromium, Hexavalent	0.560	0.42	0.42	mg/Kg	02/05/15 14:55	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/05/15	Y	SW846	1
pH - Soil	9.64	0.10		pH Units	02/04/15 20:00	O/EG	4500-H B/9045	1
Reactivity Cyanide	< 5.4	5.4	0.027	mg/Kg	02/05/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/05/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/05/15	EG	SW 846-7.3	1
Redox Potential	97	1.0		mV	02/04/15	O/EG	SM2580B	1
Total Cyanide	< 0.46	0.46	0.23	mg/Kg	02/05/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				02/04/15	BC/H	SW3545	
Soil Extraction for Pesticide	Completed				02/04/15	BC	SW3545	
Soil Extraction for SVOA	Completed				02/04/15	JJ/VH	SW3545	
Mercury Digestion	Completed				02/05/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/04/15	P/DW	SW8151	
TCLP Digestion Mercury	Completed				02/05/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/05/15	F/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				02/04/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				02/04/15	I	1311	
TCLP Pesticides Extraction	Completed				02/05/15	T	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/05/15	L	SW3510	
TCLP Extraction Volatiles	Completed				02/04/15	Y	EPA 1311	
Total Metals Digest	Completed				02/04/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				02/04/15	BC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	46	46	ug/Kg	02/06/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	46	46	ug/Kg	02/06/15	BB	SW8151	
2,4-D	ND	46	46	ug/Kg	02/06/15	BB	SW8151	
2,4-DB	ND	460	460	ug/Kg	02/06/15	BB	SW8151	
Dalapon	ND	46	46	ug/Kg	02/06/15	BB	SW8151	
Dicamba	ND	91	91	ug/Kg	02/06/15	BB	SW8151	
Dichloroprop	ND	46	46	ug/Kg	02/06/15	BB	SW8151	
Dinoseb	ND	91	91	ug/Kg	02/06/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	61			%	02/06/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	73	73	ug/Kg	02/05/15	AW	SW 8082	
PCB-1221	ND	73	73	ug/Kg	02/05/15	AW	SW 8082	
PCB-1232	ND	73	73	ug/Kg	02/05/15	AW	SW 8082	
PCB-1242	ND	73	73	ug/Kg	02/05/15	AW	SW 8082	
PCB-1248	ND	73	73	ug/Kg	02/05/15	AW	SW 8082	
PCB-1254	ND	73	73	ug/Kg	02/05/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 51 COMP

Phoenix I.D.: BH70555

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	73	73	ug/Kg	02/05/15	AW	SW 8082
PCB-1262	ND	73	73	ug/Kg	02/05/15	AW	SW 8082
PCB-1268	ND	73	73	ug/Kg	02/05/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	79			%	02/05/15	AW	30 - 150 %
% TCMX	85			%	02/05/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.2	2.2	ug/Kg	02/05/15	CE	SW8081
4,4' -DDE	ND	2.2	2.2	ug/Kg	02/05/15	CE	SW8081
4,4' -DDT	ND	2.2	2.2	ug/Kg	02/05/15	CE	SW8081
a-BHC	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	02/05/15	CE	SW8081
Aldrin	ND	3.6	3.6	ug/Kg	02/05/15	CE	SW8081
b-BHC	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Chlordane	ND	36	36	ug/Kg	02/05/15	CE	SW8081
d-BHC	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Dieldrin	ND	3.6	3.6	ug/Kg	02/05/15	CE	SW8081
Endosulfan I	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Endosulfan II	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Endosulfan sulfate	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Endrin	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Endrin aldehyde	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Endrin ketone	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
g-BHC	ND	1.5	1.5	ug/Kg	02/05/15	CE	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	02/05/15	CE	SW8081
Heptachlor	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Heptachlor epoxide	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Methoxychlor	ND	36	36	ug/Kg	02/05/15	CE	SW8081
Toxaphene	ND	150	150	ug/Kg	02/05/15	CE	SW8081
QA/QC Surrogates							
% DCBP	95			%	02/05/15	CE	30 - 150 %
% TCMX	99			%	02/05/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
QA/QC Surrogates							
% DCAA	47			%	02/10/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/07/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/07/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/07/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/07/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/07/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/07/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/07/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/07/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/07/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/07/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/07/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/07/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/07/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/07/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/07/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/07/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	82			%	02/07/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	61			%	02/07/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	53	53	mg/Kg	02/09/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	59			%	02/09/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/05/15	MH	SW8260
Benzene	ND	25	25	ug/L	02/05/15	MH	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/05/15	MH	SW8260
Chlorobenzene	ND	25	25	ug/L	02/05/15	MH	SW8260
Chloroform	ND	25	25	ug/L	02/05/15	MH	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/05/15	MH	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
Trichloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
Vinyl chloride	ND	25	25	ug/L	02/05/15	MH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100			%	02/05/15	MH	70 - 130 %
% Bromofluorobenzene	99			%	02/05/15	MH	70 - 130 %
% Dibromofluoromethane	101			%	02/05/15	MH	70 - 130 %
% Toluene-d8	99			%	02/05/15	MH	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	250	110	ug/Kg	02/05/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	02/05/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	360	360	ug/Kg	02/05/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	250	170	ug/Kg	02/05/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	02/05/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	140	120	ug/Kg	02/05/15	DD	SW 8270
2,4-Dichlorophenol	ND	140	130	ug/Kg	02/05/15	DD	SW 8270
2,4-Dimethylphenol	ND	250	89	ug/Kg	02/05/15	DD	SW 8270
2,4-Dinitrophenol	ND	250	250	ug/Kg	02/05/15	DD	SW 8270
2,4-Dinitrotoluene	ND	140	140	ug/Kg	02/05/15	DD	SW 8270
2,6-Dinitrotoluene	ND	140	110	ug/Kg	02/05/15	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	02/05/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 51 COMP

Phoenix I.D.: BH70555

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		250	100	ug/Kg	02/05/15	DD	SW 8270	
2-Methylnaphthalene	ND		250	110	ug/Kg	02/05/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		250	170	ug/Kg	02/05/15	DD	SW 8270	
2-Nitroaniline	ND		1800	360	ug/Kg	02/05/15	DD	SW 8270	
2-Nitrophenol	ND		250	230	ug/Kg	02/05/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		250	140	ug/Kg	02/05/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		140	170	ug/Kg	02/05/15	DD	SW 8270	
3-Nitroaniline	ND		1800	790	ug/Kg	02/05/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		250	390	ug/Kg	02/05/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		250	110	ug/Kg	02/05/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		250	130	ug/Kg	02/05/15	DD	SW 8270	
4-Chloroaniline	ND		720	170	ug/Kg	02/05/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		250	120	ug/Kg	02/05/15	DD	SW 8270	
4-Nitroaniline	ND		1800	120	ug/Kg	02/05/15	DD	SW 8270	
4-Nitrophenol	ND		1800	160	ug/Kg	02/05/15	DD	SW 8270	
Acenaphthene	ND		250	110	ug/Kg	02/05/15	DD	SW 8270	
Acenaphthylene	ND		140	100	ug/Kg	02/05/15	DD	SW 8270	
Acetophenone	ND		250	110	ug/Kg	02/05/15	DD	SW 8270	
Anthracene	ND		250	120	ug/Kg	02/05/15	DD	SW 8270	
Atrazine	ND		140	160	ug/Kg	02/05/15	DD	SW 8270	
Benz(a)anthracene	ND		250	120	ug/Kg	02/05/15	DD	SW 8270	
Benzaldehyde	ND		250	110	ug/Kg	02/05/15	DD	SW 8270	
Benzidine	ND		540	540	ug/Kg	02/05/15	DD	SW 8270	
Benzo(a)pyrene	130	J	140	120	ug/Kg	02/05/15	DD	SW 8270	
Benzo(b)fluoranthene	220	J	250	120	ug/Kg	02/05/15	DD	SW 8270	
Benzo(ghi)perylene	ND		250	120	ug/Kg	02/05/15	DD	SW 8270	
Benzo(k)fluoranthene	ND		250	120	ug/Kg	02/05/15	DD	SW 8270	
Benzyl Alcohol	ND		360	360	ug/Kg	02/05/15	DD	SW 8270	
Benzyl butyl phthalate	ND		250	93	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		250	100	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		140	97	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		250	100	ug/Kg	02/05/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		250	100	ug/Kg	02/05/15	DD	SW 8270	
Caprolactam	ND		250	650	ug/Kg	02/05/15	DD	SW 8270	
Carbazole	ND		1800	270	ug/Kg	02/05/15	DD	SW 8270	
Chrysene	190	J	250	120	ug/Kg	02/05/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		140	120	ug/Kg	02/05/15	DD	SW 8270	
Dibenzofuran	ND		250	110	ug/Kg	02/05/15	DD	SW 8270	
Diethyl phthalate	ND		250	110	ug/Kg	02/05/15	DD	SW 8270	
Dimethylphthalate	ND		250	110	ug/Kg	02/05/15	DD	SW 8270	
Di-n-butylphthalate	ND		250	96	ug/Kg	02/05/15	DD	SW 8270	
Di-n-octylphthalate	ND		250	93	ug/Kg	02/05/15	DD	SW 8270	
Fluoranthene	310		250	120	ug/Kg	02/05/15	DD	SW 8270	
Fluorene	ND		250	120	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorobenzene	ND		140	110	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorobutadiene	ND		250	130	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		250	110	ug/Kg	02/05/15	DD	SW 8270	
Hexachloroethane	ND		140	110	ug/Kg	02/05/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND		250	120	ug/Kg	02/05/15	DD	SW 8270	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 51 COMP

Phoenix I.D.: BH70555

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND		140	100	ug/Kg	02/05/15	DD	SW 8270	
Naphthalene	ND		250	100	ug/Kg	02/05/15	DD	SW 8270	
Nitrobenzene	ND		140	130	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodimethylamine	ND		250	100	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		140	120	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND		140	140	ug/Kg	02/05/15	DD	SW 8270	
Pentachlorophenol	ND		250	140	ug/Kg	02/05/15	DD	SW 8270	
Phenanthrene	300		140	100	ug/Kg	02/05/15	DD	SW 8270	
Phenol	ND		250	120	ug/Kg	02/05/15	DD	SW 8270	
Pyrene	240	J	250	120	ug/Kg	02/05/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	93				%	02/05/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	76				%	02/05/15	DD	30 - 130 %	
% 2-Fluorophenol	70				%	02/05/15	DD	30 - 130 %	
% Nitrobenzene-d5	92				%	02/05/15	DD	30 - 130 %	
% Phenol-d5	78				%	02/05/15	DD	30 - 130 %	
% Terphenyl-d14	68				%	02/05/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral									
1,4-Dichlorobenzene	ND		83	83	ug/L	02/06/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND		83	83	ug/L	02/06/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND		83	83	ug/L	02/06/15	DD	SW 8270	
2,4-Dinitrotoluene	ND		83	83	ug/L	02/06/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		83	83	ug/L	02/06/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND		83	83	ug/L	02/06/15	DD	SW 8270	
Hexachlorobenzene	ND		83	83	ug/L	02/06/15	DD	SW 8270	
Hexachlorobutadiene	ND		83	83	ug/L	02/06/15	DD	SW 8270	
Hexachloroethane	ND		83	83	ug/L	02/06/15	DD	SW 8270	
Nitrobenzene	ND		83	83	ug/L	02/06/15	DD	SW 8270	
Pentachlorophenol	ND		83	83	ug/L	02/06/15	DD	SW 8270	
Pyridine	ND		83	83	ug/L	02/06/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	96				%	02/06/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	71				%	02/06/15	DD	30 - 130 %	
% 2-Fluorophenol	61				%	02/06/15	DD	15 - 110 %	
% Nitrobenzene-d5	93				%	02/06/15	DD	30 - 130 %	
% Phenol-d5	51				%	02/06/15	DD	15 - 110 %	
% Terphenyl-d14	83				%	02/06/15	DD	30 - 130 %	
Aniline	ND		330		ug/Kg	02/05/15	DD	SW8270	
Benzoic Acid	ND		330		ug/Kg	02/05/15	DD	SW8270	1
Parathion	ND		5		ug/Kg	02/05/15	DD	SW8270	1

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 51 COMP

Phoenix I.D.: BH70555

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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 13, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 13, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/04/15	10:15
Location Code:	IMPACT	Received by:	SW	02/04/15	17:06
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70542
Phoenix ID: BH70556

Project ID: SW MARINE TRANSFER STATION
Client ID: DUP WC 51 2-3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/04/15	I	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	260	53	ug/Kg	02/05/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	260	53	ug/Kg	02/05/15	JLI	SW8260
1,3-Dichlorobenzene	ND	260	53	ug/Kg	02/05/15	JLI	SW8260
Naphthalene	ND	260	70	ug/Kg	02/05/15	JLI	SW8260
n-Butylbenzene	ND	260	53	ug/Kg	02/05/15	JLI	SW8260
n-Propylbenzene	ND	260	53	ug/Kg	02/05/15	JLI	SW8260
p-Isopropyltoluene	ND	260	53	ug/Kg	02/05/15	JLI	SW8260
sec-Butylbenzene	ND	260	53	ug/Kg	02/05/15	JLI	SW8260
tert-Butylbenzene	ND	260	53	ug/Kg	02/05/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99			%	02/05/15	JLI	SW8260
% Bromofluorobenzene	65			%	02/06/15	JLI	SW8260
% Dibromofluoromethane	107			%	02/06/15	JLI	SW8260
% Toluene-d8	81			%	02/06/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	70	70	ug/kg	02/06/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	3.5	0.70	ug/Kg	02/06/15	JLI	SW8260
1,1,1-Trichloroethane	ND	3.5	0.70	ug/Kg	02/06/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	3.5	0.50	ug/Kg	02/06/15	JLI	SW8260
1,1,2-Trichloroethane	ND	3.5	0.34	ug/Kg	02/06/15	JLI	SW8260
1,1-Dichloroethane	ND	3.5	0.69	ug/Kg	02/06/15	JLI	SW8260
1,1-Dichloroethene	ND	3.5	0.76	ug/Kg	02/06/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: DUP WC 51 2-3

Phoenix I.D.: BH70556

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		260	35	ug/Kg	02/05/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		260	31	ug/Kg	02/05/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		80	70	ug/Kg	02/05/15	JLI	SW8260
1,2-Dibromoethane	ND		3.5	0.93	ug/Kg	02/06/15	JLI	SW8260
1,2-Dichlorobenzene	ND		260	29	ug/Kg	02/05/15	JLI	SW8260
1,2-Dichloroethane	ND		3.5	0.31	ug/Kg	02/06/15	JLI	SW8260
1,2-Dichloropropane	ND		3.5	0.50	ug/Kg	02/06/15	JLI	SW8260
1,3-Dichlorobenzene	ND		260	39	ug/Kg	02/05/15	JLI	SW8260
1,4-Dichlorobenzene	ND		260	42	ug/Kg	02/05/15	JLI	SW8260
2-Hexanone	ND		18	1.6	ug/Kg	02/06/15	JLI	SW8260
4-Methyl-2-pentanone	ND		18	0.83	ug/Kg	02/06/15	JLI	SW8260
Acetone	ND		35	3.5	ug/Kg	02/06/15	JLI	SW8260
Acrolein	ND		18	2.8	ug/Kg	02/06/15	JLI	SW8260
Acrylonitrile	ND		7.0	2.0	ug/Kg	02/06/15	JLI	SW8260
Benzene	ND		3.5	0.69	ug/Kg	02/06/15	JLI	SW8260
Bromochloromethane	ND		3.5	0.51	ug/Kg	02/06/15	JLI	SW8260
Bromodichloromethane	ND		3.5	0.43	ug/Kg	02/06/15	JLI	SW8260
Bromoform	ND		3.5	0.49	ug/Kg	02/06/15	JLI	SW8260
Bromomethane	ND		3.5	2.7	ug/Kg	02/06/15	JLI	SW8260
Carbon Disulfide	ND		3.5	0.57	ug/Kg	02/06/15	JLI	SW8260
Carbon tetrachloride	ND		3.5	0.41	ug/Kg	02/06/15	JLI	SW8260
Chlorobenzene	ND		3.5	0.52	ug/Kg	02/06/15	JLI	SW8260
Chloroethane	ND		3.5	0.82	ug/Kg	02/06/15	JLI	SW8260
Chloroform	ND		3.5	0.64	ug/Kg	02/06/15	JLI	SW8260
Chloromethane	ND		3.5	1.8	ug/Kg	02/06/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		3.5	0.76	ug/Kg	02/06/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		3.5	0.38	ug/Kg	02/06/15	JLI	SW8260
Cyclohexane	ND		3.5	3.5	ug/Kg	02/06/15	JLI	SW8260
Dibromochloromethane	ND		3.5	0.39	ug/Kg	02/06/15	JLI	SW8260
Dichlorodifluoromethane	ND		3.5	0.93	ug/Kg	02/06/15	JLI	SW8260
Ethylbenzene	ND		3.5	0.64	ug/Kg	02/06/15	JLI	SW8260
Isopropylbenzene	ND		260	50	ug/Kg	02/05/15	JLI	SW8260
m&p-Xylene	ND		3.5	1.4	ug/Kg	02/06/15	JLI	SW8260
Methyl ethyl ketone	ND		21	3.0	ug/Kg	02/06/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		7.0	0.97	ug/Kg	02/06/15	JLI	SW8260
Methylacetate	ND		3.5	3.5	ug/Kg	02/06/15	JLI	SW8260
Methylcyclohexane	ND		3.5	3.5	ug/Kg	02/06/15	JLI	SW8260
Methylene chloride	1.4	JS	3.5	0.57	ug/Kg	02/06/15	JLI	SW8260
o-Xylene	ND		3.5	1.3	ug/Kg	02/06/15	JLI	SW8260
Styrene	ND		3.5	1.0	ug/Kg	02/06/15	JLI	SW8260
tert-butyl alcohol	ND		70	70	ug/Kg	02/06/15	JLI	SW8260
Tetrachloroethene	ND		3.5	0.74	ug/Kg	02/06/15	JLI	SW8260
Toluene	0.90	J	3.5	0.55	ug/Kg	02/06/15	JLI	SW8260
Total Xylenes	ND		3.5	3.5	ug/Kg	02/06/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		3.5	0.70	ug/Kg	02/06/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		3.5	0.71	ug/Kg	02/06/15	JLI	SW8260
Trichloroethene	ND		3.5	0.74	ug/Kg	02/06/15	JLI	SW8260
Trichlorofluoromethane	ND		3.5	0.78	ug/Kg	02/06/15	JLI	SW8260
Trichlorotrifluoroethane	ND		3.5	0.55	ug/Kg	02/06/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: DUP WC 51 2-3

Phoenix I.D.: BH70556

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	3.5	1.1	ug/Kg	02/06/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	02/05/15	JLI	70 - 130 %	
% Bromofluorobenzene	95			%	02/05/15	JLI	70 - 130 %	
% Dibromofluoromethane	107			%	02/06/15	JLI	70 - 130 %	
% Toluene-d8	81			%	02/06/15	JLI	70 - 130 %	
Vinyl Acetate	ND	35	35	ug/Kg	02/06/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
February 13, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 13, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/04/15	10:15
Location Code:	IMPACT	Received by:	SW	02/04/15	17:06
Rush Request:	24 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70542
Phoenix ID: BH70557

Project ID: SW MARINE TRANSFER STATION
Client ID: DUP WC 51 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.34	0.34	0.34	mg/Kg	02/05/15	LK	SW6010	
Aluminum	1330	5.1	0.68	mg/Kg	02/05/15	LK	SW6010	
Arsenic	2.4	0.7	0.68	mg/Kg	02/05/15	LK	SW6010	
Barium	780	0.34	0.34	mg/Kg	02/05/15	LK	SW6010	
Beryllium	< 0.27	0.27	0.14	mg/Kg	02/05/15	LK	SW6010	
Calcium	2580	5.1	3.1	mg/Kg	02/05/15	LK	SW6010	
Cadmium	0.52	0.34	0.14	mg/Kg	02/05/15	LK	SW6010	
Cobalt	1.61	0.34	0.34	mg/Kg	02/05/15	LK	SW6010	
Chromium	7.22	0.34	0.34	mg/Kg	02/05/15	LK	SW6010	
Copper	11.1	0.34	0.34	mg/kg	02/05/15	LK	SW6010	
Iron	4790	5.1	3.4	mg/Kg	02/05/15	LK	SW6010	
Mercury	0.09	0.03	0.02	mg/Kg	02/05/15	RS	SW-7471	
Potassium	310	5.1	2.6	mg/Kg	02/05/15	LK	SW6010	
Magnesium	822	5.1	3.4	mg/Kg	02/05/15	LK	SW6010	
Manganese	77.6	0.34	0.34	mg/Kg	02/05/15	LK	SW6010	
Sodium	74.7	5.1	2.9	mg/Kg	02/05/15	LK	SW6010	
Nickel	4.19	0.34	0.34	mg/Kg	02/05/15	LK	SW6010	
Lead	566	3.7	3.7	mg/Kg	02/13/15	LK	SW6010	
Antimony	< 3.4	3.4	1.7	mg/Kg	02/05/15	LK	SW6010	
Selenium	< 1.4	1.4	1.2	mg/Kg	02/05/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/05/15	EK	SW6010	
TCLP Barium	7.65	0.10	0.010	mg/L	02/05/15	EK	SW6010	B
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/05/15	EK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/05/15	RS	SW7470	
TCLP Lead	15.1	0.10	0.010	mg/L	02/13/15	LK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/05/15	EK	SW6010	

Project ID: SW MARINE TRANSFER STATION
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Phoenix I.D.: BH70557

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Thallium	< 3.1	3.1	1.4	mg/Kg	02/05/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/13/15	I/I	SW3005	
Trivalent Chromium	6.41	0.50		mg/kg	02/05/15	CL	Calculation	
Vanadium	4.70	0.34	0.34	mg/Kg	02/05/15	LK	SW6010	
Zinc	601	3.4	3.4	mg/Kg	02/05/15	LK	SW6010	
Percent Solid	91			%	02/04/15	I	SW846	
Corrosivity	Negative			Pos/Neg	02/04/15	O/EG	SW846	1
Flash Point	>200	200		degree F	02/05/15	Y	SW1010	
Chromium, Hexavalent	0.810	0.44	0.44	mg/Kg	02/05/15 14:55	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/05/15	Y	SW846	1
pH - Soil	8.65	0.10		pH Units	02/04/15 20:00	O/EG	4500-H B/9045	1
Reactivity Cyanide	< 5.5	5.5	0.027	mg/Kg	02/05/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/05/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/05/15	EG	SW 846-7.3	1
Redox Potential	118	1.0		mV	02/04/15	O/EG	SM2580B	1
Total Cyanide	< 0.50	0.50	0.25	mg/Kg	02/05/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				02/04/15	BC/H	SW3545	
Soil Extraction for Pesticide	Completed				02/04/15	BC	SW3545	
Soil Extraction for SVOA	Completed				02/04/15	JJ/VH	SW3545	
Mercury Digestion	Completed				02/05/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/04/15	P/DW	SW8151	
TCLP Digestion Mercury	Completed				02/05/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/05/15	F/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				02/12/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				02/04/15	I	1311	
TCLP Pesticides Extraction	Completed				02/05/15	T	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/05/15	L	SW3510	
TCLP Extraction Volatiles	Completed				02/04/15	Y	EPA 1311	
Total Metals Digest	Completed				02/12/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				02/04/15	BC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	45	45	ug/Kg	02/06/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	45	45	ug/Kg	02/06/15	BB	SW8151	
2,4-D	ND	45	45	ug/Kg	02/06/15	BB	SW8151	
2,4-DB	ND	450	450	ug/Kg	02/06/15	BB	SW8151	
Dalapon	ND	45	45	ug/Kg	02/06/15	BB	SW8151	
Dicamba	ND	90	90	ug/Kg	02/06/15	BB	SW8151	
Dichloroprop	ND	45	45	ug/Kg	02/06/15	BB	SW8151	
Dinoseb	ND	90	90	ug/Kg	02/06/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	60			%	02/06/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	73	73	ug/Kg	02/05/15	AW	SW 8082	
PCB-1221	ND	73	73	ug/Kg	02/05/15	AW	SW 8082	
PCB-1232	ND	73	73	ug/Kg	02/05/15	AW	SW 8082	
PCB-1242	ND	73	73	ug/Kg	02/05/15	AW	SW 8082	
PCB-1248	ND	73	73	ug/Kg	02/05/15	AW	SW 8082	
PCB-1254	ND	73	73	ug/Kg	02/05/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: DUP WC 51 COMP

Phoenix I.D.: BH70557

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PCB-1260	ND	73	73	ug/Kg	02/05/15	AW	SW 8082
PCB-1262	ND	73	73	ug/Kg	02/05/15	AW	SW 8082
PCB-1268	ND	73	73	ug/Kg	02/05/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	71			%	02/05/15	AW	30 - 150 %
% TCMX	78			%	02/05/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.2	2.2	ug/Kg	02/05/15	CE	SW8081
4,4' -DDE	ND	2.2	2.2	ug/Kg	02/05/15	CE	SW8081
4,4' -DDT	ND	2.2	2.2	ug/Kg	02/05/15	CE	SW8081
a-BHC	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	02/05/15	CE	SW8081
Aldrin	ND	3.6	3.6	ug/Kg	02/05/15	CE	SW8081
b-BHC	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Chlordane	ND	36	36	ug/Kg	02/05/15	CE	SW8081
d-BHC	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Dieldrin	ND	3.6	3.6	ug/Kg	02/05/15	CE	SW8081
Endosulfan I	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Endosulfan II	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Endosulfan sulfate	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Endrin	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Endrin aldehyde	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Endrin ketone	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
g-BHC	ND	1.5	1.5	ug/Kg	02/05/15	CE	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	02/05/15	CE	SW8081
Heptachlor	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Heptachlor epoxide	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Methoxychlor	ND	36	36	ug/Kg	02/05/15	CE	SW8081
Toxaphene	ND	150	150	ug/Kg	02/05/15	CE	SW8081
QA/QC Surrogates							
% DCBP	84			%	02/05/15	CE	30 - 150 %
% TCMX	90			%	02/05/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
QA/QC Surrogates							
% DCAA	33			%	02/10/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/07/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/07/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/07/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/07/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/07/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/07/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/07/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/07/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/07/15	CE	SW 8081

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Dieldrin	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/07/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/07/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/07/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/07/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/07/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/07/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/07/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	85			%	02/07/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	68			%	02/07/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	54	54	mg/Kg	02/09/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	103			%	02/09/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/05/15	MH	SW8260
Benzene	ND	25	25	ug/L	02/05/15	MH	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/05/15	MH	SW8260
Chlorobenzene	ND	25	25	ug/L	02/05/15	MH	SW8260
Chloroform	ND	25	25	ug/L	02/05/15	MH	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/05/15	MH	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
Trichloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
Vinyl chloride	ND	25	25	ug/L	02/05/15	MH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100			%	02/05/15	MH	70 - 130 %
% Bromofluorobenzene	96			%	02/05/15	MH	70 - 130 %
% Dibromofluoromethane	100			%	02/05/15	MH	70 - 130 %
% Toluene-d8	99			%	02/05/15	MH	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	250	110	ug/Kg	02/05/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	02/05/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	360	360	ug/Kg	02/05/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	250	170	ug/Kg	02/05/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	02/05/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	02/05/15	DD	SW 8270
2,4-Dichlorophenol	ND	140	130	ug/Kg	02/05/15	DD	SW 8270
2,4-Dimethylphenol	ND	250	88	ug/Kg	02/05/15	DD	SW 8270
2,4-Dinitrophenol	ND	250	250	ug/Kg	02/05/15	DD	SW 8270
2,4-Dinitrotoluene	ND	140	140	ug/Kg	02/05/15	DD	SW 8270
2,6-Dinitrotoluene	ND	140	110	ug/Kg	02/05/15	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	02/05/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: DUP WC 51 COMP

Phoenix I.D.: BH70557

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		250	100	ug/Kg	02/05/15	DD	SW 8270	
2-Methylnaphthalene	ND		250	110	ug/Kg	02/05/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		250	170	ug/Kg	02/05/15	DD	SW 8270	
2-Nitroaniline	ND		1800	360	ug/Kg	02/05/15	DD	SW 8270	
2-Nitrophenol	ND		250	230	ug/Kg	02/05/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		250	140	ug/Kg	02/05/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		140	170	ug/Kg	02/05/15	DD	SW 8270	
3-Nitroaniline	ND		1800	770	ug/Kg	02/05/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		250	380	ug/Kg	02/05/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		250	100	ug/Kg	02/05/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		250	130	ug/Kg	02/05/15	DD	SW 8270	
4-Chloroaniline	ND		710	170	ug/Kg	02/05/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		250	120	ug/Kg	02/05/15	DD	SW 8270	
4-Nitroaniline	ND		1800	120	ug/Kg	02/05/15	DD	SW 8270	
4-Nitrophenol	ND		1800	160	ug/Kg	02/05/15	DD	SW 8270	
Acenaphthene	ND		250	110	ug/Kg	02/05/15	DD	SW 8270	
Acenaphthylene	ND		140	100	ug/Kg	02/05/15	DD	SW 8270	
Acetophenone	ND		250	110	ug/Kg	02/05/15	DD	SW 8270	
Anthracene	ND		250	120	ug/Kg	02/05/15	DD	SW 8270	
Atrazine	ND		140	160	ug/Kg	02/05/15	DD	SW 8270	
Benz(a)anthracene	ND		250	120	ug/Kg	02/05/15	DD	SW 8270	
Benzaldehyde	ND		250	110	ug/Kg	02/05/15	DD	SW 8270	
Benzidine	ND		530	530	ug/Kg	02/05/15	DD	SW 8270	
Benzo(a)pyrene	130	J	140	120	ug/Kg	02/05/15	DD	SW 8270	
Benzo(b)fluoranthene	220	J	250	120	ug/Kg	02/05/15	DD	SW 8270	
Benzo(ghi)perylene	ND		250	120	ug/Kg	02/05/15	DD	SW 8270	
Benzo(k)fluoranthene	ND		250	120	ug/Kg	02/05/15	DD	SW 8270	
Benzyl Alcohol	ND		360	360	ug/Kg	02/05/15	DD	SW 8270	
Benzyl butyl phthalate	ND		250	92	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		250	98	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		140	96	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		250	99	ug/Kg	02/05/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		250	100	ug/Kg	02/05/15	DD	SW 8270	
Caprolactam	ND		250	640	ug/Kg	02/05/15	DD	SW 8270	
Carbazole	ND		1800	270	ug/Kg	02/05/15	DD	SW 8270	
Chrysene	170	J	250	120	ug/Kg	02/05/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		140	120	ug/Kg	02/05/15	DD	SW 8270	
Dibenzofuran	ND		250	100	ug/Kg	02/05/15	DD	SW 8270	
Diethyl phthalate	ND		250	110	ug/Kg	02/05/15	DD	SW 8270	
Dimethylphthalate	ND		250	110	ug/Kg	02/05/15	DD	SW 8270	
Di-n-butylphthalate	ND		250	95	ug/Kg	02/05/15	DD	SW 8270	
Di-n-octylphthalate	ND		250	92	ug/Kg	02/05/15	DD	SW 8270	
Fluoranthene	290		250	120	ug/Kg	02/05/15	DD	SW 8270	
Fluorene	ND		250	120	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorobenzene	ND		140	100	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorobutadiene	ND		250	130	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		250	110	ug/Kg	02/05/15	DD	SW 8270	
Hexachloroethane	ND		140	110	ug/Kg	02/05/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND		250	120	ug/Kg	02/05/15	DD	SW 8270	

Project ID: SW MARINE TRANSFER STATION
Client ID: DUP WC 51 COMP

Phoenix I.D.: BH70557

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Isophorone	ND		140	100	ug/Kg	02/05/15	DD	SW 8270	
Naphthalene	ND		250	100	ug/Kg	02/05/15	DD	SW 8270	
Nitrobenzene	ND		140	120	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodimethylamine	ND		250	100	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		140	120	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND		140	140	ug/Kg	02/05/15	DD	SW 8270	
Pentachlorophenol	ND		250	130	ug/Kg	02/05/15	DD	SW 8270	
Phenanthrene	220		140	100	ug/Kg	02/05/15	DD	SW 8270	
Phenol	ND		250	110	ug/Kg	02/05/15	DD	SW 8270	
Pyrene	220	J	250	120	ug/Kg	02/05/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	102				%	02/05/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	80				%	02/05/15	DD	30 - 130 %	
% 2-Fluorophenol	74				%	02/05/15	DD	30 - 130 %	
% Nitrobenzene-d5	96				%	02/05/15	DD	30 - 130 %	
% Phenol-d5	84				%	02/05/15	DD	30 - 130 %	
% Terphenyl-d14	75				%	02/05/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral									
1,4-Dichlorobenzene	ND		83	83	ug/L	02/06/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND		83	83	ug/L	02/06/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND		83	83	ug/L	02/06/15	DD	SW 8270	
2,4-Dinitrotoluene	ND		83	83	ug/L	02/06/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		83	83	ug/L	02/06/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND		83	83	ug/L	02/06/15	DD	SW 8270	
Hexachlorobenzene	ND		83	83	ug/L	02/06/15	DD	SW 8270	
Hexachlorobutadiene	ND		83	83	ug/L	02/06/15	DD	SW 8270	
Hexachloroethane	ND		83	83	ug/L	02/06/15	DD	SW 8270	
Nitrobenzene	ND		83	83	ug/L	02/06/15	DD	SW 8270	
Pentachlorophenol	ND		83	83	ug/L	02/06/15	DD	SW 8270	
Pyridine	ND		83	83	ug/L	02/06/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	91				%	02/06/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	68				%	02/06/15	DD	30 - 130 %	
% 2-Fluorophenol	55				%	02/06/15	DD	15 - 110 %	
% Nitrobenzene-d5	87				%	02/06/15	DD	30 - 130 %	
% Phenol-d5	47				%	02/06/15	DD	15 - 110 %	
% Terphenyl-d14	78				%	02/06/15	DD	30 - 130 %	
Aniline	ND		330		ug/Kg	02/05/15	DD	SW8270	
Benzoic Acid	ND		330		ug/Kg	02/05/15	DD	SW8270	1
Parathion	ND		5		ug/Kg	02/05/15	DD	SW8270	1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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 13, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 13, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/04/15	10:45
Location Code:	IMPACT	Received by:	SW	02/04/15	17:06
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70542
Phoenix ID: BH70558

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 50 2-3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/04/15	I	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	2.4	0.48	ug/Kg	02/06/15	HM	SW8260
1,3,5-Trimethylbenzene	ND	2.4	0.48	ug/Kg	02/06/15	HM	SW8260
1,3-Dichlorobenzene	ND	2.4	0.48	ug/Kg	02/06/15	HM	SW8260
Naphthalene	ND	2.4	0.64	ug/Kg	02/06/15	HM	SW8260
n-Butylbenzene	ND	2.4	0.48	ug/Kg	02/06/15	HM	SW8260
n-Propylbenzene	ND	2.4	0.48	ug/Kg	02/06/15	HM	SW8260
p-Isopropyltoluene	ND	2.4	0.48	ug/Kg	02/06/15	HM	SW8260
sec-Butylbenzene	ND	2.4	0.48	ug/Kg	02/06/15	HM	SW8260
tert-Butylbenzene	ND	2.4	0.48	ug/Kg	02/06/15	HM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	118			%	02/06/15	HM	SW8260
% Bromofluorobenzene	90			%	02/06/15	HM	SW8260
% Dibromofluoromethane	105			%	02/06/15	HM	SW8260
% Toluene-d8	94			%	02/06/15	HM	SW8260
1,4-dioxane							
1,4-dioxane	ND	48	48	ug/kg	02/06/15	HM	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	2.4	0.48	ug/Kg	02/06/15	HM	SW8260
1,1,1-Trichloroethane	ND	2.4	0.48	ug/Kg	02/06/15	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	2.4	0.34	ug/Kg	02/06/15	HM	SW8260
1,1,2-Trichloroethane	ND	2.4	0.24	ug/Kg	02/06/15	HM	SW8260
1,1-Dichloroethane	ND	2.4	0.48	ug/Kg	02/06/15	HM	SW8260
1,1-Dichloroethene	ND	2.4	0.52	ug/Kg	02/06/15	HM	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 50 2-3

Phoenix I.D.: BH70558

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		2.4	0.32	ug/Kg	02/06/15	HM	SW8260
1,2,4-Trichlorobenzene	ND		2.4	0.28	ug/Kg	02/06/15	HM	SW8260
1,2-Dibromo-3-chloropropane	ND		2.4	0.64	ug/Kg	02/06/15	HM	SW8260
1,2-Dibromoethane	ND		2.4	0.64	ug/Kg	02/06/15	HM	SW8260
1,2-Dichlorobenzene	ND		2.4	0.26	ug/Kg	02/06/15	HM	SW8260
1,2-Dichloroethane	ND		2.4	0.21	ug/Kg	02/06/15	HM	SW8260
1,2-Dichloropropane	ND		2.4	0.34	ug/Kg	02/06/15	HM	SW8260
1,3-Dichlorobenzene	ND		2.4	0.36	ug/Kg	02/06/15	HM	SW8260
1,4-Dichlorobenzene	ND		2.4	0.38	ug/Kg	02/06/15	HM	SW8260
2-Hexanone	ND		12	1.1	ug/Kg	02/06/15	HM	SW8260
4-Methyl-2-pentanone	ND		12	0.57	ug/Kg	02/06/15	HM	SW8260
Acetone	6.1	JS	24	2.4	ug/Kg	02/06/15	HM	SW8260
Acrolein	ND		12	1.9	ug/Kg	02/06/15	HM	SW8260
Acrylonitrile	ND		4.8	1.3	ug/Kg	02/06/15	HM	SW8260
Benzene	0.56	J	2.4	0.48	ug/Kg	02/06/15	HM	SW8260
Bromochloromethane	ND		2.4	0.35	ug/Kg	02/06/15	HM	SW8260
Bromodichloromethane	ND		2.4	0.30	ug/Kg	02/06/15	HM	SW8260
Bromoform	ND		2.4	0.34	ug/Kg	02/06/15	HM	SW8260
Bromomethane	ND		2.4	1.8	ug/Kg	02/06/15	HM	SW8260
Carbon Disulfide	ND		2.4	0.39	ug/Kg	02/06/15	HM	SW8260
Carbon tetrachloride	ND		2.4	0.28	ug/Kg	02/06/15	HM	SW8260
Chlorobenzene	ND		2.4	0.36	ug/Kg	02/06/15	HM	SW8260
Chloroethane	ND		2.4	0.56	ug/Kg	02/06/15	HM	SW8260
Chloroform	ND		2.4	0.44	ug/Kg	02/06/15	HM	SW8260
Chloromethane	ND		2.4	1.3	ug/Kg	02/06/15	HM	SW8260
cis-1,2-Dichloroethene	ND		2.4	0.52	ug/Kg	02/06/15	HM	SW8260
cis-1,3-Dichloropropene	ND		2.4	0.26	ug/Kg	02/06/15	HM	SW8260
Cyclohexane	ND		2.4	2.4	ug/Kg	02/06/15	HM	SW8260
Dibromochloromethane	ND		2.4	0.27	ug/Kg	02/06/15	HM	SW8260
Dichlorodifluoromethane	ND		2.4	0.64	ug/Kg	02/06/15	HM	SW8260
Ethylbenzene	ND		2.4	0.44	ug/Kg	02/06/15	HM	SW8260
Isopropylbenzene	ND		2.4	0.46	ug/Kg	02/06/15	HM	SW8260
m&p-Xylene	ND		2.4	0.95	ug/Kg	02/06/15	HM	SW8260
Methyl ethyl ketone	ND		14	2.1	ug/Kg	02/06/15	HM	SW8260
Methyl t-butyl ether (MTBE)	ND		4.8	0.66	ug/Kg	02/06/15	HM	SW8260
Methylacetate	ND		2.4	2.4	ug/Kg	02/06/15	HM	SW8260
Methylcyclohexane	ND		2.4	2.4	ug/Kg	02/06/15	HM	SW8260
Methylene chloride	0.52	JS	2.4	0.39	ug/Kg	02/06/15	HM	SW8260
o-Xylene	ND		2.4	0.92	ug/Kg	02/06/15	HM	SW8260
Styrene	ND		2.4	0.69	ug/Kg	02/06/15	HM	SW8260
tert-butyl alcohol	ND		48	48	ug/Kg	02/06/15	HM	SW8260
Tetrachloroethene	ND		2.4	0.50	ug/Kg	02/06/15	HM	SW8260
Toluene	ND		2.4	0.38	ug/Kg	02/06/15	HM	SW8260
Total Xylenes	ND		2.4	2.4	ug/Kg	02/06/15	HM	SW8260
trans-1,2-Dichloroethene	ND		2.4	0.48	ug/Kg	02/06/15	HM	SW8260
trans-1,3-Dichloropropene	ND		2.4	0.49	ug/Kg	02/06/15	HM	SW8260
Trichloroethene	ND		2.4	0.51	ug/Kg	02/06/15	HM	SW8260
Trichlorofluoromethane	ND		2.4	0.53	ug/Kg	02/06/15	HM	SW8260
Trichlorotrifluoroethane	ND		2.4	0.37	ug/Kg	02/06/15	HM	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 50 2-3

Phoenix I.D.: BH70558

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	2.4	0.78	ug/Kg	02/06/15	HM	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	118			%	02/06/15	HM	70 - 130 %	
% Bromofluorobenzene	88			%	02/06/15	HM	70 - 130 %	
% Dibromofluoromethane	105			%	02/06/15	HM	70 - 130 %	
% Toluene-d8	94			%	02/06/15	HM	70 - 130 %	
Vinyl Acetate	ND	24	24	ug/Kg	02/06/15	HM	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

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 13, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 13, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/04/15	10:45
Location Code:	IMPACT	Received by:	SW	02/04/15	17:06
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70542
Phoenix ID: BH70559

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 50 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.35	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Aluminum	3250	53	7.0	mg/Kg	02/05/15	LK	SW6010	
Arsenic	3.5	0.7	0.70	mg/Kg	02/05/15	LK	SW6010	
Barium	53.4	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Beryllium	< 0.28	0.28	0.14	mg/Kg	02/05/15	LK	SW6010	
Calcium	45900	53	32	mg/Kg	02/05/15	LK	SW6010	B
Cadmium	< 0.35	0.35	0.14	mg/Kg	02/05/15	LK	SW6010	
Cobalt	4.02	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Chromium	15.6	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Copper	21.2	0.35	0.35	mg/kg	02/05/15	LK	SW6010	
Iron	9190	53	35	mg/Kg	02/05/15	LK	SW6010	
Mercury	0.11	0.03	0.02	mg/Kg	02/05/15	RS	SW-7471	
Potassium	811	5.3	2.7	mg/Kg	02/05/15	LK	SW6010	
Magnesium	25300	53	35	mg/Kg	02/05/15	LK	SW6010	
Manganese	151	3.5	3.5	mg/Kg	02/05/15	LK	SW6010	
Sodium	308	5.3	3.0	mg/Kg	02/05/15	LK	SW6010	
Nickel	21.1	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Lead	162	3.5	3.5	mg/Kg	02/05/15	LK	SW6010	
Antimony	< 3.5	3.5	1.8	mg/Kg	02/05/15	LK	SW6010	
Selenium	< 1.4	1.4	1.2	mg/Kg	02/05/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/05/15	EK	SW6010	
TCLP Barium	1.18	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/05/15	EK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/05/15	RS	SW7470	
TCLP Lead	0.57	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/05/15	EK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 50 COMP

Phoenix I.D.: BH70559

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.2	3.2	1.4	mg/Kg	02/05/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/05/15	I/I	SW3005	
Trivalent Chromium	15.6	0.50		mg/kg	02/05/15	CL	Calculation	
Vanadium	26.3	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Zinc	114	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Percent Solid	88			%	02/04/15	I	SW846	
Corrosivity	Negative			Pos/Neg	02/04/15	O/EG	SW846	1
Flash Point	>200	200		degree F	02/05/15	Y	SW1010	
Chromium, Hexavalent	< 0.45	0.45	0.45	mg/Kg	02/05/15 14:55	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/05/15	Y	SW846	1
pH - Soil	8.55	0.10		pH Units	02/04/15 20:00	O/EG	4500-H B/9045	1
Reactivity Cyanide	< 5.6	5.6	0.028	mg/Kg	02/05/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/05/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/05/15	EG	SW 846-7.3	1
Redox Potential	104	1.0		mV	02/04/15	O/EG	SM2580B	1
Total Cyanide	< 0.52	0.52	0.26	mg/Kg	02/05/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				02/04/15	BC/H	SW3545	
Soil Extraction for Pesticide	Completed				02/04/15	BC	SW3545	
Soil Extraction for SVOA	Completed				02/04/15	JJ/VH	SW3545	
Mercury Digestion	Completed				02/05/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/04/15	P/DW	SW8151	
TCLP Digestion Mercury	Completed				02/05/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/05/15	F/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				02/04/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				02/04/15	I	1311	
TCLP Pesticides Extraction	Completed				02/05/15	T	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/05/15	L	SW3510	
TCLP Extraction Volatiles	Completed				02/04/15	Y	EPA 1311	
Total Metals Digest	Completed				02/04/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				02/04/15	BC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	47	47	ug/Kg	02/06/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	47	47	ug/Kg	02/06/15	BB	SW8151	
2,4-D	ND	47	47	ug/Kg	02/06/15	BB	SW8151	
2,4-DB	ND	470	470	ug/Kg	02/06/15	BB	SW8151	
Dalapon	ND	47	47	ug/Kg	02/06/15	BB	SW8151	
Dicamba	ND	94	94	ug/Kg	02/06/15	BB	SW8151	
Dichloroprop	ND	47	47	ug/Kg	02/06/15	BB	SW8151	
Dinoseb	ND	94	94	ug/Kg	02/06/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	68			%	02/06/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	76	76	ug/Kg	02/05/15	AW	SW 8082	
PCB-1221	ND	76	76	ug/Kg	02/05/15	AW	SW 8082	
PCB-1232	ND	76	76	ug/Kg	02/05/15	AW	SW 8082	
PCB-1242	ND	76	76	ug/Kg	02/05/15	AW	SW 8082	
PCB-1248	ND	76	76	ug/Kg	02/05/15	AW	SW 8082	
PCB-1254	ND	76	76	ug/Kg	02/05/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 50 COMP

Phoenix I.D.: BH70559

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	76	76	ug/Kg	02/05/15	AW	SW 8082
PCB-1262	ND	76	76	ug/Kg	02/05/15	AW	SW 8082
PCB-1268	ND	76	76	ug/Kg	02/05/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	91			%	02/05/15	AW	30 - 150 %
% TCMX	83			%	02/05/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	7.6	2.3	2.3	ug/Kg	02/06/15	CE	SW8081
4,4' -DDE	4.0	2.3	2.3	ug/Kg	02/06/15	CE	SW8081
4,4' -DDT	5.7	2.3	2.3	ug/Kg	02/06/15	CE	SW8081
a-BHC	ND	7.6	7.6	ug/Kg	02/06/15	CE	SW8081
a-Chlordane	ND	3.8	3.8	ug/Kg	02/06/15	CE	SW8081
Aldrin	ND	3.8	3.8	ug/Kg	02/06/15	CE	SW8081
b-BHC	ND	7.6	7.6	ug/Kg	02/06/15	CE	SW8081
Chlordane	ND	38	38	ug/Kg	02/06/15	CE	SW8081
d-BHC	ND	7.6	7.6	ug/Kg	02/06/15	CE	SW8081
Dieldrin	ND	3.8	3.8	ug/Kg	02/06/15	CE	SW8081
Endosulfan I	ND	7.6	7.6	ug/Kg	02/06/15	CE	SW8081
Endosulfan II	ND	7.6	7.6	ug/Kg	02/06/15	CE	SW8081
Endosulfan sulfate	ND	7.6	7.6	ug/Kg	02/06/15	CE	SW8081
Endrin	ND	7.6	7.6	ug/Kg	02/06/15	CE	SW8081
Endrin aldehyde	ND	7.6	7.6	ug/Kg	02/06/15	CE	SW8081
Endrin ketone	ND	7.6	7.6	ug/Kg	02/06/15	CE	SW8081
g-BHC	ND	1.5	1.5	ug/Kg	02/06/15	CE	SW8081
g-Chlordane	ND	3.8	3.8	ug/Kg	02/06/15	CE	SW8081
Heptachlor	ND	7.6	7.6	ug/Kg	02/06/15	CE	SW8081
Heptachlor epoxide	ND	7.6	7.6	ug/Kg	02/06/15	CE	SW8081
Methoxychlor	ND	38	38	ug/Kg	02/06/15	CE	SW8081
Toxaphene	ND	150	150	ug/Kg	02/06/15	CE	SW8081
QA/QC Surrogates							
% DCBP	83			%	02/06/15	CE	30 - 150 %
% TCMX	86			%	02/06/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
QA/QC Surrogates							
% DCAA	63			%	02/10/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/07/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/07/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/07/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/07/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/07/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/07/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/07/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/07/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/07/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/07/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/07/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/07/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/07/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/07/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/07/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/07/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	83			%	02/07/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	63			%	02/07/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	850	280	280	mg/Kg	02/09/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	Diluted Out			%	02/09/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/05/15	MH	SW8260
Benzene	ND	25	25	ug/L	02/05/15	MH	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/05/15	MH	SW8260
Chlorobenzene	ND	25	25	ug/L	02/05/15	MH	SW8260
Chloroform	ND	25	25	ug/L	02/05/15	MH	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/05/15	MH	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
Trichloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
Vinyl chloride	ND	25	25	ug/L	02/05/15	MH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100			%	02/05/15	MH	70 - 130 %
% Bromofluorobenzene	97			%	02/05/15	MH	70 - 130 %
% Dibromofluoromethane	99			%	02/05/15	MH	70 - 130 %
% Toluene-d8	100			%	02/05/15	MH	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	260	110	ug/Kg	02/05/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	02/05/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	370	370	ug/Kg	02/05/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	260	170	ug/Kg	02/05/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	02/05/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	02/05/15	DD	SW 8270
2,4-Dichlorophenol	ND	150	130	ug/Kg	02/05/15	DD	SW 8270
2,4-Dimethylphenol	ND	260	92	ug/Kg	02/05/15	DD	SW 8270
2,4-Dinitrophenol	ND	260	260	ug/Kg	02/05/15	DD	SW 8270
2,4-Dinitrotoluene	ND	150	150	ug/Kg	02/05/15	DD	SW 8270
2,6-Dinitrotoluene	ND	150	120	ug/Kg	02/05/15	DD	SW 8270
2-Chloronaphthalene	ND	260	110	ug/Kg	02/05/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 50 COMP

Phoenix I.D.: BH70559

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		260	110	ug/Kg	02/05/15	DD	SW 8270	
2-Methylnaphthalene	ND		260	110	ug/Kg	02/05/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		260	170	ug/Kg	02/05/15	DD	SW 8270	
2-Nitroaniline	ND		1900	370	ug/Kg	02/05/15	DD	SW 8270	
2-Nitrophenol	ND		260	240	ug/Kg	02/05/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		260	150	ug/Kg	02/05/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		150	180	ug/Kg	02/05/15	DD	SW 8270	
3-Nitroaniline	ND		1900	810	ug/Kg	02/05/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		260	400	ug/Kg	02/05/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		260	110	ug/Kg	02/05/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		260	130	ug/Kg	02/05/15	DD	SW 8270	
4-Chloroaniline	ND		740	170	ug/Kg	02/05/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		260	120	ug/Kg	02/05/15	DD	SW 8270	
4-Nitroaniline	ND		1900	120	ug/Kg	02/05/15	DD	SW 8270	
4-Nitrophenol	ND		1900	170	ug/Kg	02/05/15	DD	SW 8270	
Acenaphthene	120	J	260	110	ug/Kg	02/05/15	DD	SW 8270	
Acenaphthylene	ND		150	100	ug/Kg	02/05/15	DD	SW 8270	
Acetophenone	ND		260	120	ug/Kg	02/05/15	DD	SW 8270	
Anthracene	530		260	120	ug/Kg	02/05/15	DD	SW 8270	
Atrazine	ND		150	170	ug/Kg	02/05/15	DD	SW 8270	
Benz(a)anthracene	790		260	120	ug/Kg	02/05/15	DD	SW 8270	
Benzaldehyde	ND		260	110	ug/Kg	02/05/15	DD	SW 8270	
Benzidine	ND		560	560	ug/Kg	02/05/15	DD	SW 8270	
Benzo(a)pyrene	800		150	120	ug/Kg	02/05/15	DD	SW 8270	
Benzo(b)fluoranthene	1200		260	130	ug/Kg	02/05/15	DD	SW 8270	
Benzo(ghi)perylene	230	J	260	120	ug/Kg	02/05/15	DD	SW 8270	
Benzo(k)fluoranthene	410		260	120	ug/Kg	02/05/15	DD	SW 8270	
Benzyl Alcohol	ND		370	370	ug/Kg	02/05/15	DD	SW 8270	
Benzyl butyl phthalate	ND		260	96	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		260	100	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		150	100	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		260	100	ug/Kg	02/05/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		260	110	ug/Kg	02/05/15	DD	SW 8270	
Caprolactam	ND		260	660	ug/Kg	02/05/15	DD	SW 8270	
Carbazole	ND		1900	280	ug/Kg	02/05/15	DD	SW 8270	
Chrysene	1000		260	120	ug/Kg	02/05/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		150	120	ug/Kg	02/05/15	DD	SW 8270	
Dibenzofuran	ND		260	110	ug/Kg	02/05/15	DD	SW 8270	
Diethyl phthalate	ND		260	120	ug/Kg	02/05/15	DD	SW 8270	
Dimethylphthalate	ND		260	120	ug/Kg	02/05/15	DD	SW 8270	
Di-n-butylphthalate	ND		260	99	ug/Kg	02/05/15	DD	SW 8270	
Di-n-octylphthalate	ND		260	96	ug/Kg	02/05/15	DD	SW 8270	
Fluoranthene	1600		260	120	ug/Kg	02/05/15	DD	SW 8270	
Fluorene	230	J	260	120	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorobenzene	ND		150	110	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorobutadiene	ND		260	130	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		260	110	ug/Kg	02/05/15	DD	SW 8270	
Hexachloroethane	ND		150	110	ug/Kg	02/05/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND		260	120	ug/Kg	02/05/15	DD	SW 8270	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 50 COMP

Phoenix I.D.: BH70559

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND	150	100	ug/Kg	02/05/15	DD	SW 8270	
Naphthalene	ND	260	110	ug/Kg	02/05/15	DD	SW 8270	
Nitrobenzene	ND	150	130	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodimethylamine	ND	260	100	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	150	120	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND	150	140	ug/Kg	02/05/15	DD	SW 8270	
Pentachlorophenol	ND	260	140	ug/Kg	02/05/15	DD	SW 8270	
Phenanthrene	2000	150	110	ug/Kg	02/05/15	DD	SW 8270	
Phenol	ND	260	120	ug/Kg	02/05/15	DD	SW 8270	
Pyrene	1100	260	130	ug/Kg	02/05/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	106			%	02/05/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	80			%	02/05/15	DD	30 - 130 %	
% 2-Fluorophenol	74			%	02/05/15	DD	30 - 130 %	
% Nitrobenzene-d5	92			%	02/05/15	DD	30 - 130 %	
% Phenol-d5	81			%	02/05/15	DD	30 - 130 %	
% Terphenyl-d14	53			%	02/05/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral								
1,4-Dichlorobenzene	ND	83	83	ug/L	02/06/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND	83	83	ug/L	02/06/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND	83	83	ug/L	02/06/15	DD	SW 8270	
2,4-Dinitrotoluene	ND	83	83	ug/L	02/06/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	83	83	ug/L	02/06/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND	83	83	ug/L	02/06/15	DD	SW 8270	
Hexachlorobenzene	ND	83	83	ug/L	02/06/15	DD	SW 8270	
Hexachlorobutadiene	ND	83	83	ug/L	02/06/15	DD	SW 8270	
Hexachloroethane	ND	83	83	ug/L	02/06/15	DD	SW 8270	
Nitrobenzene	ND	83	83	ug/L	02/06/15	DD	SW 8270	
Pentachlorophenol	ND	83	83	ug/L	02/06/15	DD	SW 8270	
Pyridine	ND	83	83	ug/L	02/06/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	97			%	02/06/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	74			%	02/06/15	DD	30 - 130 %	
% 2-Fluorophenol	58			%	02/06/15	DD	15 - 110 %	
% Nitrobenzene-d5	91			%	02/06/15	DD	30 - 130 %	
% Phenol-d5	49			%	02/06/15	DD	15 - 110 %	
% Terphenyl-d14	85			%	02/06/15	DD	30 - 130 %	
Aniline	ND	330		ug/Kg	02/05/15	DD	SW8270	
Benzoic Acid	ND	330		ug/Kg	02/05/15	DD	SW8270	1
Parathion	ND	5		ug/Kg	02/05/15	DD	SW8270	1

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 50 COMP

Phoenix I.D.: BH70559

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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 13, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 13, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/04/15	11:10
Location Code:	IMPACT	Received by:	SW	02/04/15	17:06
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70542
Phoenix ID: BH70560

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 49 1-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/04/15	I	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	2.5	0.49	ug/Kg	02/06/15	HM	SW8260
1,3,5-Trimethylbenzene	ND	2.5	0.49	ug/Kg	02/06/15	HM	SW8260
1,3-Dichlorobenzene	ND	2.5	0.49	ug/Kg	02/06/15	HM	SW8260
Naphthalene	ND	2.5	0.66	ug/Kg	02/06/15	HM	SW8260
n-Butylbenzene	ND	2.5	0.49	ug/Kg	02/06/15	HM	SW8260
n-Propylbenzene	ND	2.5	0.49	ug/Kg	02/06/15	HM	SW8260
p-Isopropyltoluene	ND	2.5	0.49	ug/Kg	02/06/15	HM	SW8260
sec-Butylbenzene	ND	2.5	0.49	ug/Kg	02/06/15	HM	SW8260
tert-Butylbenzene	ND	2.5	0.49	ug/Kg	02/06/15	HM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99			%	02/06/15	HM	SW8260
% Bromofluorobenzene	97			%	02/06/15	HM	SW8260
% Dibromofluoromethane	102			%	02/06/15	HM	SW8260
% Toluene-d8	99			%	02/06/15	HM	SW8260
1,4-dioxane							
1,4-dioxane	ND	49	49	ug/kg	02/06/15	HM	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	2.5	0.49	ug/Kg	02/06/15	HM	SW8260
1,1,1-Trichloroethane	ND	2.5	0.49	ug/Kg	02/06/15	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	2.5	0.35	ug/Kg	02/06/15	HM	SW8260
1,1,2-Trichloroethane	ND	2.5	0.24	ug/Kg	02/06/15	HM	SW8260
1,1-Dichloroethane	ND	2.5	0.49	ug/Kg	02/06/15	HM	SW8260
1,1-Dichloroethene	ND	2.5	0.53	ug/Kg	02/06/15	HM	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 49 1-2

Phoenix I.D.: BH70560

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		2.5	0.33	ug/Kg	02/06/15	HM	SW8260
1,2,4-Trichlorobenzene	ND		2.5	0.29	ug/Kg	02/06/15	HM	SW8260
1,2-Dibromo-3-chloropropane	ND		2.5	0.66	ug/Kg	02/06/15	HM	SW8260
1,2-Dibromoethane	ND		2.5	0.65	ug/Kg	02/06/15	HM	SW8260
1,2-Dichlorobenzene	ND		2.5	0.27	ug/Kg	02/06/15	HM	SW8260
1,2-Dichloroethane	ND		2.5	0.22	ug/Kg	02/06/15	HM	SW8260
1,2-Dichloropropane	ND		2.5	0.35	ug/Kg	02/06/15	HM	SW8260
1,3-Dichlorobenzene	ND		2.5	0.36	ug/Kg	02/06/15	HM	SW8260
1,4-Dichlorobenzene	ND		2.5	0.39	ug/Kg	02/06/15	HM	SW8260
2-Hexanone	ND		12	1.1	ug/Kg	02/06/15	HM	SW8260
4-Methyl-2-pentanone	ND		12	0.58	ug/Kg	02/06/15	HM	SW8260
Acetone	5.7	JS	25	2.4	ug/Kg	02/06/15	HM	SW8260
Acrolein	ND		12	2.0	ug/Kg	02/06/15	HM	SW8260
Acrylonitrile	ND		4.9	1.4	ug/Kg	02/06/15	HM	SW8260
Benzene	ND		2.5	0.49	ug/Kg	02/06/15	HM	SW8260
Bromochloromethane	ND		2.5	0.36	ug/Kg	02/06/15	HM	SW8260
Bromodichloromethane	ND		2.5	0.30	ug/Kg	02/06/15	HM	SW8260
Bromoform	ND		2.5	0.34	ug/Kg	02/06/15	HM	SW8260
Bromomethane	ND		2.5	1.9	ug/Kg	02/06/15	HM	SW8260
Carbon Disulfide	ND		2.5	0.40	ug/Kg	02/06/15	HM	SW8260
Carbon tetrachloride	ND		2.5	0.28	ug/Kg	02/06/15	HM	SW8260
Chlorobenzene	ND		2.5	0.36	ug/Kg	02/06/15	HM	SW8260
Chloroethane	ND		2.5	0.57	ug/Kg	02/06/15	HM	SW8260
Chloroform	ND		2.5	0.45	ug/Kg	02/06/15	HM	SW8260
Chloromethane	ND		2.5	1.3	ug/Kg	02/06/15	HM	SW8260
cis-1,2-Dichloroethene	ND		2.5	0.53	ug/Kg	02/06/15	HM	SW8260
cis-1,3-Dichloropropene	ND		2.5	0.26	ug/Kg	02/06/15	HM	SW8260
Cyclohexane	ND		2.5	2.5	ug/Kg	02/06/15	HM	SW8260
Dibromochloromethane	ND		2.5	0.27	ug/Kg	02/06/15	HM	SW8260
Dichlorodifluoromethane	ND		2.5	0.65	ug/Kg	02/06/15	HM	SW8260
Ethylbenzene	ND		2.5	0.45	ug/Kg	02/06/15	HM	SW8260
Isopropylbenzene	ND		2.5	0.47	ug/Kg	02/06/15	HM	SW8260
m&p-Xylene	ND		2.5	0.97	ug/Kg	02/06/15	HM	SW8260
Methyl ethyl ketone	ND		15	2.1	ug/Kg	02/06/15	HM	SW8260
Methyl t-butyl ether (MTBE)	ND		4.9	0.68	ug/Kg	02/06/15	HM	SW8260
Methylacetate	ND		2.5	2.5	ug/Kg	02/06/15	HM	SW8260
Methylcyclohexane	ND		2.5	2.5	ug/Kg	02/06/15	HM	SW8260
Methylene chloride	0.56	JS	2.5	0.40	ug/Kg	02/06/15	HM	SW8260
o-Xylene	ND		2.5	0.94	ug/Kg	02/06/15	HM	SW8260
Styrene	ND		2.5	0.71	ug/Kg	02/06/15	HM	SW8260
tert-butyl alcohol	ND		49	49	ug/Kg	02/06/15	HM	SW8260
Tetrachloroethene	ND		2.5	0.51	ug/Kg	02/06/15	HM	SW8260
Toluene	ND		2.5	0.39	ug/Kg	02/06/15	HM	SW8260
Total Xylenes	ND		2.5	2.5	ug/Kg	02/06/15	HM	SW8260
trans-1,2-Dichloroethene	ND		2.5	0.49	ug/Kg	02/06/15	HM	SW8260
trans-1,3-Dichloropropene	ND		2.5	0.50	ug/Kg	02/06/15	HM	SW8260
Trichloroethene	ND		2.5	0.52	ug/Kg	02/06/15	HM	SW8260
Trichlorofluoromethane	ND		2.5	0.54	ug/Kg	02/06/15	HM	SW8260
Trichlorotrifluoroethane	ND		2.5	0.38	ug/Kg	02/06/15	HM	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 49 1-2

Phoenix I.D.: BH70560

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	2.5	0.79	ug/Kg	02/06/15	HM	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	02/06/15	HM	70 - 130 %	
% Bromofluorobenzene	94			%	02/06/15	HM	70 - 130 %	
% Dibromofluoromethane	103			%	02/06/15	HM	70 - 130 %	
% Toluene-d8	99			%	02/06/15	HM	70 - 130 %	
Vinyl Acetate	ND	25	25	ug/Kg	02/06/15	HM	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

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 13, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 13, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/04/15	11:10
Location Code:	IMPACT	Received by:	SW	02/04/15	17:06
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70542
Phoenix ID: BH70561

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 49 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.35	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Aluminum	8340	52	6.9	mg/Kg	02/05/15	LK	SW6010	
Arsenic	4.2	0.7	0.69	mg/Kg	02/05/15	LK	SW6010	
Barium	58.4	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Beryllium	0.50	0.28	0.14	mg/Kg	02/05/15	LK	SW6010	
Calcium	1360	5.2	3.2	mg/Kg	02/05/15	LK	SW6010	B
Cadmium	< 0.35	0.35	0.14	mg/Kg	02/05/15	LK	SW6010	
Cobalt	7.53	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Chromium	20.9	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Copper	20.6	0.35	0.35	mg/kg	02/05/15	LK	SW6010	
Iron	14200	52	35	mg/Kg	02/05/15	LK	SW6010	
Mercury	0.08	0.03	0.02	mg/Kg	02/05/15	RS	SW-7471	
Potassium	1160	5.2	2.7	mg/Kg	02/05/15	LK	SW6010	
Magnesium	2810	5.2	3.5	mg/Kg	02/05/15	LK	SW6010	
Manganese	212	3.5	3.5	mg/Kg	02/05/15	LK	SW6010	
Sodium	324	5.2	3.0	mg/Kg	02/05/15	LK	SW6010	
Nickel	35.0	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Lead	72.4	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Antimony	< 3.5	3.5	1.7	mg/Kg	02/05/15	LK	SW6010	
Selenium	< 1.4	1.4	1.2	mg/Kg	02/05/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/05/15	EK	SW6010	
TCLP Barium	0.60	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/05/15	EK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/05/15	RS	SW7470	
TCLP Lead	0.47	0.10	0.010	mg/L	02/05/15	LK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/05/15	EK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 49 COMP

Phoenix I.D.: BH70561

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.1	3.1	1.4	mg/Kg	02/05/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/05/15	I/I	SW3005	
Trivalent Chromium	20.9	0.50		mg/kg	02/05/15	CL	Calculation	
Vanadium	26.8	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Zinc	61.5	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Percent Solid	88			%	02/04/15	I	SW846	
Corrosivity	Negative			Pos/Neg	02/04/15	O/EG	SW846	1
Flash Point	>200	200		degree F	02/05/15	Y	SW1010	
Chromium, Hexavalent	< 0.44	0.44	0.44	mg/Kg	02/05/15 14:55	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/05/15	Y	SW846	1
pH - Soil	7.69	0.10		pH Units	02/04/15 20:00	O/EG	4500-H B/9045	1
Reactivity Cyanide	< 5.6	5.6	0.028	mg/Kg	02/05/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/05/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/05/15	EG	SW 846-7.3	1
Redox Potential	94	1.0		mV	02/04/15	O/EG	SM2580B	1
Total Cyanide	< 0.57	0.57	0.28	mg/Kg	02/05/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				02/04/15	BC/H	SW3545	
Soil Extraction for Pesticide	Completed				02/04/15	BC	SW3545	
Soil Extraction for SVOA	Completed				02/04/15	JJ/VH	SW3545	
Mercury Digestion	Completed				02/05/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/04/15	P/DW	SW8151	
TCLP Digestion Mercury	Completed				02/05/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/05/15	F/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				02/04/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				02/04/15	I	1311	
TCLP Pesticides Extraction	Completed				02/05/15	T	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/05/15	L	SW3510	
TCLP Extraction Volatiles	Completed				02/04/15	Y	EPA 1311	
Total Metals Digest	Completed				02/04/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				02/04/15	BC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	47	47	ug/Kg	02/06/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	47	47	ug/Kg	02/06/15	BB	SW8151	
2,4-D	ND	47	47	ug/Kg	02/06/15	BB	SW8151	
2,4-DB	ND	470	470	ug/Kg	02/06/15	BB	SW8151	
Dalapon	ND	47	47	ug/Kg	02/06/15	BB	SW8151	
Dicamba	ND	94	94	ug/Kg	02/06/15	BB	SW8151	
Dichloroprop	ND	47	47	ug/Kg	02/06/15	BB	SW8151	
Dinoseb	ND	94	94	ug/Kg	02/06/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	61			%	02/06/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	74	74	ug/Kg	02/05/15	AW	SW 8082	
PCB-1221	ND	74	74	ug/Kg	02/05/15	AW	SW 8082	
PCB-1232	ND	74	74	ug/Kg	02/05/15	AW	SW 8082	
PCB-1242	ND	74	74	ug/Kg	02/05/15	AW	SW 8082	
PCB-1248	ND	74	74	ug/Kg	02/05/15	AW	SW 8082	
PCB-1254	ND	74	74	ug/Kg	02/05/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 49 COMP

Phoenix I.D.: BH70561

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	74	74	ug/Kg	02/05/15	AW	SW 8082
PCB-1262	ND	74	74	ug/Kg	02/05/15	AW	SW 8082
PCB-1268	ND	74	74	ug/Kg	02/05/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	74			%	02/05/15	AW	30 - 150 %
% TCMX	70			%	02/05/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.2	2.2	ug/Kg	02/05/15	CE	SW8081
4,4' -DDE	ND	2.2	2.2	ug/Kg	02/05/15	CE	SW8081
4,4' -DDT	ND	2.2	2.2	ug/Kg	02/05/15	CE	SW8081
a-BHC	ND	7.4	7.4	ug/Kg	02/05/15	CE	SW8081
a-Chlordane	ND	3.7	3.7	ug/Kg	02/05/15	CE	SW8081
Aldrin	ND	3.7	3.7	ug/Kg	02/05/15	CE	SW8081
b-BHC	ND	7.4	7.4	ug/Kg	02/05/15	CE	SW8081
Chlordane	ND	37	37	ug/Kg	02/05/15	CE	SW8081
d-BHC	ND	7.4	7.4	ug/Kg	02/05/15	CE	SW8081
Dieldrin	ND	3.7	3.7	ug/Kg	02/05/15	CE	SW8081
Endosulfan I	ND	7.4	7.4	ug/Kg	02/05/15	CE	SW8081
Endosulfan II	ND	7.4	7.4	ug/Kg	02/05/15	CE	SW8081
Endosulfan sulfate	ND	7.4	7.4	ug/Kg	02/05/15	CE	SW8081
Endrin	ND	7.4	7.4	ug/Kg	02/05/15	CE	SW8081
Endrin aldehyde	ND	7.4	7.4	ug/Kg	02/05/15	CE	SW8081
Endrin ketone	ND	7.4	7.4	ug/Kg	02/05/15	CE	SW8081
g-BHC	ND	1.5	1.5	ug/Kg	02/05/15	CE	SW8081
g-Chlordane	ND	3.7	3.7	ug/Kg	02/05/15	CE	SW8081
Heptachlor	ND	7.4	7.4	ug/Kg	02/05/15	CE	SW8081
Heptachlor epoxide	ND	7.4	7.4	ug/Kg	02/05/15	CE	SW8081
Methoxychlor	ND	37	37	ug/Kg	02/05/15	CE	SW8081
Toxaphene	ND	150	150	ug/Kg	02/05/15	CE	SW8081
QA/QC Surrogates							
% DCBP	80			%	02/05/15	CE	30 - 150 %
% TCMX	72			%	02/05/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
QA/QC Surrogates							
% DCAA	67			%	02/10/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/07/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/07/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/07/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/07/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/07/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/07/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/07/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/07/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/07/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/07/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/07/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/07/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/07/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/07/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/07/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/07/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	86			%	02/07/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	62			%	02/07/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	56	56	mg/Kg	02/09/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	90			%	02/09/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/05/15	MH	SW8260
Benzene	ND	25	25	ug/L	02/05/15	MH	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/05/15	MH	SW8260
Chlorobenzene	ND	25	25	ug/L	02/05/15	MH	SW8260
Chloroform	ND	25	25	ug/L	02/05/15	MH	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/05/15	MH	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
Trichloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
Vinyl chloride	ND	25	25	ug/L	02/05/15	MH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101			%	02/05/15	MH	70 - 130 %
% Bromofluorobenzene	98			%	02/05/15	MH	70 - 130 %
% Dibromofluoromethane	101			%	02/05/15	MH	70 - 130 %
% Toluene-d8	99			%	02/05/15	MH	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	260	110	ug/Kg	02/05/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	02/05/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	370	370	ug/Kg	02/05/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	260	170	ug/Kg	02/05/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	02/05/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	02/05/15	DD	SW 8270
2,4-Dichlorophenol	ND	150	130	ug/Kg	02/05/15	DD	SW 8270
2,4-Dimethylphenol	ND	260	92	ug/Kg	02/05/15	DD	SW 8270
2,4-Dinitrophenol	ND	260	260	ug/Kg	02/05/15	DD	SW 8270
2,4-Dinitrotoluene	ND	150	150	ug/Kg	02/05/15	DD	SW 8270
2,6-Dinitrotoluene	ND	150	120	ug/Kg	02/05/15	DD	SW 8270
2-Chloronaphthalene	ND	260	110	ug/Kg	02/05/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 49 COMP

Phoenix I.D.: BH70561

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		260	110	ug/Kg	02/05/15	DD	SW 8270	
2-Methylnaphthalene	140	J	260	110	ug/Kg	02/05/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		260	170	ug/Kg	02/05/15	DD	SW 8270	
2-Nitroaniline	ND		1900	380	ug/Kg	02/05/15	DD	SW 8270	
2-Nitrophenol	ND		260	240	ug/Kg	02/05/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		260	150	ug/Kg	02/05/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		150	180	ug/Kg	02/05/15	DD	SW 8270	
3-Nitroaniline	ND		1900	810	ug/Kg	02/05/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		260	400	ug/Kg	02/05/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		260	110	ug/Kg	02/05/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		260	130	ug/Kg	02/05/15	DD	SW 8270	
4-Chloroaniline	ND		740	170	ug/Kg	02/05/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		260	120	ug/Kg	02/05/15	DD	SW 8270	
4-Nitroaniline	ND		1900	120	ug/Kg	02/05/15	DD	SW 8270	
4-Nitrophenol	ND		1900	170	ug/Kg	02/05/15	DD	SW 8270	
Acenaphthene	ND		260	110	ug/Kg	02/05/15	DD	SW 8270	
Acenaphthylene	ND		150	100	ug/Kg	02/05/15	DD	SW 8270	
Acetophenone	ND		260	120	ug/Kg	02/05/15	DD	SW 8270	
Anthracene	ND		260	120	ug/Kg	02/05/15	DD	SW 8270	
Atrazine	ND		150	170	ug/Kg	02/05/15	DD	SW 8270	
Benz(a)anthracene	320		260	120	ug/Kg	02/05/15	DD	SW 8270	
Benzaldehyde	ND		260	110	ug/Kg	02/05/15	DD	SW 8270	
Benzidine	ND		560	560	ug/Kg	02/05/15	DD	SW 8270	
Benzo(a)pyrene	380		150	120	ug/Kg	02/05/15	DD	SW 8270	
Benzo(b)fluoranthene	520		260	130	ug/Kg	02/05/15	DD	SW 8270	
Benzo(ghi)perylene	300		260	120	ug/Kg	02/05/15	DD	SW 8270	
Benzo(k)fluoranthene	220	J	260	120	ug/Kg	02/05/15	DD	SW 8270	
Benzyl Alcohol	ND		370	370	ug/Kg	02/05/15	DD	SW 8270	
Benzyl butyl phthalate	ND		260	96	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		260	100	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		150	100	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		260	100	ug/Kg	02/05/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		260	110	ug/Kg	02/05/15	DD	SW 8270	
Caprolactam	ND		260	660	ug/Kg	02/05/15	DD	SW 8270	
Carbazole	ND		1900	280	ug/Kg	02/05/15	DD	SW 8270	
Chrysene	490		260	120	ug/Kg	02/05/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		150	120	ug/Kg	02/05/15	DD	SW 8270	
Dibenzofuran	ND		260	110	ug/Kg	02/05/15	DD	SW 8270	
Diethyl phthalate	ND		260	120	ug/Kg	02/05/15	DD	SW 8270	
Dimethylphthalate	ND		260	120	ug/Kg	02/05/15	DD	SW 8270	
Di-n-butylphthalate	ND		260	99	ug/Kg	02/05/15	DD	SW 8270	
Di-n-octylphthalate	ND		260	96	ug/Kg	02/05/15	DD	SW 8270	
Fluoranthene	1200		260	120	ug/Kg	02/05/15	DD	SW 8270	
Fluorene	150	J	260	120	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorobenzene	ND		150	110	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorobutadiene	ND		260	130	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		260	110	ug/Kg	02/05/15	DD	SW 8270	
Hexachloroethane	ND		150	110	ug/Kg	02/05/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	260		260	120	ug/Kg	02/05/15	DD	SW 8270	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 49 COMP

Phoenix I.D.: BH70561

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND		150	100	ug/Kg	02/05/15	DD	SW 8270	
Naphthalene	220	J	260	110	ug/Kg	02/05/15	DD	SW 8270	
Nitrobenzene	ND		150	130	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodimethylamine	ND		260	100	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		150	120	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND		150	140	ug/Kg	02/05/15	DD	SW 8270	
Pentachlorophenol	ND		260	140	ug/Kg	02/05/15	DD	SW 8270	
Phenanthrene	1200		150	110	ug/Kg	02/05/15	DD	SW 8270	
Phenol	ND		260	120	ug/Kg	02/05/15	DD	SW 8270	
Pyrene	1000		260	130	ug/Kg	02/05/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	91				%	02/05/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	83				%	02/05/15	DD	30 - 130 %	
% 2-Fluorophenol	71				%	02/05/15	DD	30 - 130 %	
% Nitrobenzene-d5	74				%	02/05/15	DD	30 - 130 %	
% Phenol-d5	76				%	02/05/15	DD	30 - 130 %	
% Terphenyl-d14	110				%	02/05/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral									
1,4-Dichlorobenzene	ND		83	83	ug/L	02/06/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND		83	83	ug/L	02/06/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND		83	83	ug/L	02/06/15	DD	SW 8270	
2,4-Dinitrotoluene	ND		83	83	ug/L	02/06/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		83	83	ug/L	02/06/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND		83	83	ug/L	02/06/15	DD	SW 8270	
Hexachlorobenzene	ND		83	83	ug/L	02/06/15	DD	SW 8270	
Hexachlorobutadiene	ND		83	83	ug/L	02/06/15	DD	SW 8270	
Hexachloroethane	ND		83	83	ug/L	02/06/15	DD	SW 8270	
Nitrobenzene	ND		83	83	ug/L	02/06/15	DD	SW 8270	
Pentachlorophenol	ND		83	83	ug/L	02/06/15	DD	SW 8270	
Pyridine	ND		83	83	ug/L	02/06/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	92				%	02/06/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	70				%	02/06/15	DD	30 - 130 %	
% 2-Fluorophenol	57				%	02/06/15	DD	15 - 110 %	
% Nitrobenzene-d5	88				%	02/06/15	DD	30 - 130 %	
% Phenol-d5	48				%	02/06/15	DD	15 - 110 %	
% Terphenyl-d14	78				%	02/06/15	DD	30 - 130 %	
Aniline	ND		330		ug/Kg	02/05/15	DD	SW8270	
Benzoic Acid	ND		330		ug/Kg	02/05/15	DD	SW8270	1
Parathion	ND		370	150	ug/Kg	02/05/15	DD	SW8270	1

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 49 COMP

Phoenix I.D.: BH70561

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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 13, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 13, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/04/15	7:30
Location Code:	IMPACT	Received by:	SW	02/04/15	17:06
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70542
Phoenix ID: BH70562

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 13 1-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/04/15	I	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	2.4	0.48	ug/Kg	02/06/15	HM	SW8260
1,3,5-Trimethylbenzene	ND	2.4	0.48	ug/Kg	02/06/15	HM	SW8260
1,3-Dichlorobenzene	ND	2.4	0.48	ug/Kg	02/06/15	HM	SW8260
Naphthalene	ND	2.4	0.64	ug/Kg	02/06/15	HM	SW8260
n-Butylbenzene	ND	2.4	0.48	ug/Kg	02/06/15	HM	SW8260
n-Propylbenzene	ND	2.4	0.48	ug/Kg	02/06/15	HM	SW8260
p-Isopropyltoluene	ND	2.4	0.48	ug/Kg	02/06/15	HM	SW8260
sec-Butylbenzene	ND	2.4	0.48	ug/Kg	02/06/15	HM	SW8260
tert-Butylbenzene	ND	2.4	0.48	ug/Kg	02/06/15	HM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	104			%	02/06/15	HM	SW8260
% Bromofluorobenzene	94			%	02/06/15	HM	SW8260
% Dibromofluoromethane	105			%	02/06/15	HM	SW8260
% Toluene-d8	100			%	02/06/15	HM	SW8260
1,4-dioxane							
1,4-dioxane	ND	48	48	ug/kg	02/06/15	HM	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	2.4	0.48	ug/Kg	02/06/15	HM	SW8260
1,1,1-Trichloroethane	ND	2.4	0.48	ug/Kg	02/06/15	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	2.4	0.34	ug/Kg	02/06/15	HM	SW8260
1,1,2-Trichloroethane	ND	2.4	0.24	ug/Kg	02/06/15	HM	SW8260
1,1-Dichloroethane	ND	2.4	0.48	ug/Kg	02/06/15	HM	SW8260
1,1-Dichloroethene	ND	2.4	0.52	ug/Kg	02/06/15	HM	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 13 1-2

Phoenix I.D.: BH70562

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		2.4	0.32	ug/Kg	02/06/15	HM	SW8260
1,2,4-Trichlorobenzene	ND		2.4	0.28	ug/Kg	02/06/15	HM	SW8260
1,2-Dibromo-3-chloropropane	ND		2.4	0.64	ug/Kg	02/06/15	HM	SW8260
1,2-Dibromoethane	ND		2.4	0.64	ug/Kg	02/06/15	HM	SW8260
1,2-Dichlorobenzene	ND		2.4	0.26	ug/Kg	02/06/15	HM	SW8260
1,2-Dichloroethane	ND		2.4	0.21	ug/Kg	02/06/15	HM	SW8260
1,2-Dichloropropane	ND		2.4	0.34	ug/Kg	02/06/15	HM	SW8260
1,3-Dichlorobenzene	ND		2.4	0.36	ug/Kg	02/06/15	HM	SW8260
1,4-Dichlorobenzene	ND		2.4	0.38	ug/Kg	02/06/15	HM	SW8260
2-Hexanone	ND		12	1.1	ug/Kg	02/06/15	HM	SW8260
4-Methyl-2-pentanone	ND		12	0.57	ug/Kg	02/06/15	HM	SW8260
Acetone	ND		24	2.4	ug/Kg	02/06/15	HM	SW8260
Acrolein	ND		12	1.9	ug/Kg	02/06/15	HM	SW8260
Acrylonitrile	ND		4.8	1.3	ug/Kg	02/06/15	HM	SW8260
Benzene	ND		2.4	0.48	ug/Kg	02/06/15	HM	SW8260
Bromochloromethane	ND		2.4	0.35	ug/Kg	02/06/15	HM	SW8260
Bromodichloromethane	ND		2.4	0.30	ug/Kg	02/06/15	HM	SW8260
Bromoform	ND		2.4	0.34	ug/Kg	02/06/15	HM	SW8260
Bromomethane	ND		2.4	1.8	ug/Kg	02/06/15	HM	SW8260
Carbon Disulfide	ND		2.4	0.39	ug/Kg	02/06/15	HM	SW8260
Carbon tetrachloride	ND		2.4	0.28	ug/Kg	02/06/15	HM	SW8260
Chlorobenzene	ND		2.4	0.36	ug/Kg	02/06/15	HM	SW8260
Chloroethane	ND		2.4	0.56	ug/Kg	02/06/15	HM	SW8260
Chloroform	ND		2.4	0.44	ug/Kg	02/06/15	HM	SW8260
Chloromethane	ND		2.4	1.3	ug/Kg	02/06/15	HM	SW8260
cis-1,2-Dichloroethene	ND		2.4	0.52	ug/Kg	02/06/15	HM	SW8260
cis-1,3-Dichloropropene	ND		2.4	0.26	ug/Kg	02/06/15	HM	SW8260
Cyclohexane	ND		2.4	2.4	ug/Kg	02/06/15	HM	SW8260
Dibromochloromethane	ND		2.4	0.27	ug/Kg	02/06/15	HM	SW8260
Dichlorodifluoromethane	ND		2.4	0.64	ug/Kg	02/06/15	HM	SW8260
Ethylbenzene	ND		2.4	0.44	ug/Kg	02/06/15	HM	SW8260
Isopropylbenzene	ND		2.4	0.46	ug/Kg	02/06/15	HM	SW8260
m&p-Xylene	ND		2.4	0.95	ug/Kg	02/06/15	HM	SW8260
Methyl ethyl ketone	ND		14	2.1	ug/Kg	02/06/15	HM	SW8260
Methyl t-butyl ether (MTBE)	ND		4.8	0.66	ug/Kg	02/06/15	HM	SW8260
Methylacetate	ND		2.4	2.4	ug/Kg	02/06/15	HM	SW8260
Methylcyclohexane	ND		2.4	2.4	ug/Kg	02/06/15	HM	SW8260
Methylene chloride	0.54	JS	2.4	0.39	ug/Kg	02/06/15	HM	SW8260
o-Xylene	ND		2.4	0.92	ug/Kg	02/06/15	HM	SW8260
Styrene	ND		2.4	0.69	ug/Kg	02/06/15	HM	SW8260
tert-butyl alcohol	ND		48	48	ug/Kg	02/06/15	HM	SW8260
Tetrachloroethene	ND		2.4	0.50	ug/Kg	02/06/15	HM	SW8260
Toluene	ND		2.4	0.38	ug/Kg	02/06/15	HM	SW8260
Total Xylenes	ND		2.4	2.4	ug/Kg	02/06/15	HM	SW8260
trans-1,2-Dichloroethene	ND		2.4	0.48	ug/Kg	02/06/15	HM	SW8260
trans-1,3-Dichloropropene	ND		2.4	0.49	ug/Kg	02/06/15	HM	SW8260
Trichloroethene	ND		2.4	0.51	ug/Kg	02/06/15	HM	SW8260
Trichlorofluoromethane	ND		2.4	0.53	ug/Kg	02/06/15	HM	SW8260
Trichlorotrifluoroethane	ND		2.4	0.37	ug/Kg	02/06/15	HM	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 13 1-2

Phoenix I.D.: BH70562

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	2.4	0.78	ug/Kg	02/06/15	HM	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	104			%	02/06/15	HM	70 - 130 %	
% Bromofluorobenzene	92			%	02/06/15	HM	70 - 130 %	
% Dibromofluoromethane	105			%	02/06/15	HM	70 - 130 %	
% Toluene-d8	100			%	02/06/15	HM	70 - 130 %	
Vinyl Acetate	ND	24	24	ug/Kg	02/06/15	HM	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

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 13, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 13, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/04/15	7:30
Location Code:	IMPACT	Received by:	SW	02/04/15	17:06
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70542
Phoenix ID: BH70563

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 13 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.36	0.36	0.36	mg/Kg	02/05/15	LK	SW6010	
Aluminum	957	5.4	0.72	mg/Kg	02/05/15	LK	SW6010	
Arsenic	< 0.7	0.7	0.72	mg/Kg	02/05/15	LK	SW6010	
Barium	6.65	0.36	0.36	mg/Kg	02/05/15	LK	SW6010	
Beryllium	< 0.29	0.29	0.14	mg/Kg	02/05/15	LK	SW6010	
Calcium	845	5.4	3.3	mg/Kg	02/05/15	LK	SW6010	B
Cadmium	< 0.36	0.36	0.14	mg/Kg	02/05/15	LK	SW6010	
Cobalt	1.02	0.36	0.36	mg/Kg	02/05/15	LK	SW6010	
Chromium	2.65	0.36	0.36	mg/Kg	02/05/15	LK	SW6010	
Copper	3.77	0.36	0.36	mg/kg	02/05/15	LK	SW6010	
Iron	2880	5.4	3.6	mg/Kg	02/05/15	LK	SW6010	
Mercury	< 0.03	0.03	0.02	mg/Kg	02/05/15	RS	SW-7471	
Potassium	177	5.4	2.8	mg/Kg	02/05/15	LK	SW6010	
Magnesium	383	5.4	3.6	mg/Kg	02/05/15	LK	SW6010	
Manganese	35.0	0.36	0.36	mg/Kg	02/05/15	LK	SW6010	
Sodium	73.4	5.4	3.1	mg/Kg	02/05/15	LK	SW6010	
Nickel	2.86	0.36	0.36	mg/Kg	02/05/15	LK	SW6010	
Lead	13.0	0.36	0.36	mg/Kg	02/05/15	LK	SW6010	
Antimony	< 3.6	3.6	1.8	mg/Kg	02/05/15	LK	SW6010	
Selenium	< 1.4	1.4	1.2	mg/Kg	02/05/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/05/15	EK	SW6010	
TCLP Barium	0.18	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/05/15	EK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/05/15	RS	SW7470	
TCLP Lead	0.11	0.10	0.010	mg/L	02/05/15	LK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/05/15	EK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 13 COMP

Phoenix I.D.: BH70563

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.2	3.2	1.4	mg/Kg	02/05/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/05/15	I/I	SW3005	
Trivalent Chromium	2.65	0.50		mg/kg	02/05/15	CL	Calculation	
Vanadium	4.14	0.36	0.36	mg/Kg	02/05/15	LK	SW6010	
Zinc	16.4	0.36	0.36	mg/Kg	02/05/15	LK	SW6010	
Percent Solid	89			%	02/04/15	I	SW846	
Corrosivity	Negative			Pos/Neg	02/04/15	O/EG	SW846	1
Flash Point	>200	200		degree F	02/05/15	Y	SW1010	
Chromium, Hexavalent	< 0.47	0.47	0.47	mg/Kg	02/05/15 14:55	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/05/15	Y	SW846	1
pH - Soil	9.49	0.10		pH Units	02/04/15 20:00	O/EG	4500-H B/9045	1
Reactivity Cyanide	< 5.6	5.6	0.028	mg/Kg	02/05/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/05/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/05/15	EG	SW 846-7.3	1
Redox Potential	103	1.0		mV	02/04/15	O/EG	SM2580B	1
Total Cyanide	< 0.47	0.47	0.23	mg/Kg	02/05/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				02/04/15	BC/H	SW3545	
Soil Extraction for Pesticide	Completed				02/04/15	BC	SW3545	
Soil Extraction for SVOA	Completed				02/04/15	JJ/VH	SW3545	
Mercury Digestion	Completed				02/05/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/04/15	P/DW	SW8151	
TCLP Digestion Mercury	Completed				02/05/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/05/15	F/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				02/04/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				02/04/15	I	1311	
TCLP Pesticides Extraction	Completed				02/05/15	T	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/05/15	L	SW3510	
TCLP Extraction Volatiles	Completed				02/04/15	Y	EPA 1311	
Total Metals Digest	Completed				02/04/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				02/04/15	BC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	47	47	ug/Kg	02/06/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	47	47	ug/Kg	02/06/15	BB	SW8151	
2,4-D	ND	47	47	ug/Kg	02/06/15	BB	SW8151	
2,4-DB	ND	470	470	ug/Kg	02/06/15	BB	SW8151	
Dalapon	ND	47	47	ug/Kg	02/06/15	BB	SW8151	
Dicamba	ND	93	93	ug/Kg	02/06/15	BB	SW8151	
Dichloroprop	ND	47	47	ug/Kg	02/06/15	BB	SW8151	
Dinoseb	ND	93	93	ug/Kg	02/06/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	57			%	02/06/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	73	73	ug/Kg	02/05/15	AW	SW 8082	
PCB-1221	ND	73	73	ug/Kg	02/05/15	AW	SW 8082	
PCB-1232	ND	73	73	ug/Kg	02/05/15	AW	SW 8082	
PCB-1242	ND	73	73	ug/Kg	02/05/15	AW	SW 8082	
PCB-1248	ND	73	73	ug/Kg	02/05/15	AW	SW 8082	
PCB-1254	ND	73	73	ug/Kg	02/05/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 13 COMP

Phoenix I.D.: BH70563

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	73	73	ug/Kg	02/05/15	AW	SW 8082
PCB-1262	ND	73	73	ug/Kg	02/05/15	AW	SW 8082
PCB-1268	ND	73	73	ug/Kg	02/05/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	78			%	02/05/15	AW	30 - 150 %
% TCMX	91			%	02/05/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.2	2.2	ug/Kg	02/05/15	CE	SW8081
4,4' -DDE	ND	2.2	2.2	ug/Kg	02/05/15	CE	SW8081
4,4' -DDT	ND	2.2	2.2	ug/Kg	02/05/15	CE	SW8081
a-BHC	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
a-Chlordane	ND	3.7	3.7	ug/Kg	02/05/15	CE	SW8081
Aldrin	ND	3.7	3.7	ug/Kg	02/05/15	CE	SW8081
b-BHC	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Chlordane	ND	37	37	ug/Kg	02/05/15	CE	SW8081
d-BHC	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Dieldrin	ND	3.7	3.7	ug/Kg	02/05/15	CE	SW8081
Endosulfan I	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Endosulfan II	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Endosulfan sulfate	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Endrin	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Endrin aldehyde	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Endrin ketone	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
g-BHC	ND	1.5	1.5	ug/Kg	02/05/15	CE	SW8081
g-Chlordane	ND	3.7	3.7	ug/Kg	02/05/15	CE	SW8081
Heptachlor	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Heptachlor epoxide	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Methoxychlor	ND	37	37	ug/Kg	02/05/15	CE	SW8081
Toxaphene	ND	150	150	ug/Kg	02/05/15	CE	SW8081
QA/QC Surrogates							
% DCBP	96			%	02/05/15	CE	30 - 150 %
% TCMX	99			%	02/05/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
QA/QC Surrogates							
% DCAA	70			%	02/10/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/07/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/07/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/07/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/07/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/07/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/07/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/07/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/07/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/07/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/07/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/07/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/07/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/07/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/07/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/07/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/07/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	94			%	02/07/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	74			%	02/07/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	55	55	mg/Kg	02/09/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	85			%	02/09/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/05/15	MH	SW8260
Benzene	ND	25	25	ug/L	02/05/15	MH	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/05/15	MH	SW8260
Chlorobenzene	ND	25	25	ug/L	02/05/15	MH	SW8260
Chloroform	ND	25	25	ug/L	02/05/15	MH	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/05/15	MH	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
Trichloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
Vinyl chloride	ND	25	25	ug/L	02/05/15	MH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100			%	02/05/15	MH	70 - 130 %
% Bromofluorobenzene	99			%	02/05/15	MH	70 - 130 %
% Dibromofluoromethane	101			%	02/05/15	MH	70 - 130 %
% Toluene-d8	99			%	02/05/15	MH	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	250	110	ug/Kg	02/05/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	02/05/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	360	360	ug/Kg	02/05/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	250	170	ug/Kg	02/05/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	02/05/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	02/05/15	DD	SW 8270
2,4-Dichlorophenol	ND	150	130	ug/Kg	02/05/15	DD	SW 8270
2,4-Dimethylphenol	ND	250	90	ug/Kg	02/05/15	DD	SW 8270
2,4-Dinitrophenol	ND	250	250	ug/Kg	02/05/15	DD	SW 8270
2,4-Dinitrotoluene	ND	150	140	ug/Kg	02/05/15	DD	SW 8270
2,6-Dinitrotoluene	ND	150	120	ug/Kg	02/05/15	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	02/05/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 13 COMP

Phoenix I.D.: BH70563

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		250	100	ug/Kg	02/05/15	DD	SW 8270	
2-Methylnaphthalene	ND		250	110	ug/Kg	02/05/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		250	170	ug/Kg	02/05/15	DD	SW 8270	
2-Nitroaniline	ND		1800	370	ug/Kg	02/05/15	DD	SW 8270	
2-Nitrophenol	ND		250	230	ug/Kg	02/05/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		250	140	ug/Kg	02/05/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		150	170	ug/Kg	02/05/15	DD	SW 8270	
3-Nitroaniline	ND		1800	790	ug/Kg	02/05/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		250	390	ug/Kg	02/05/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		250	110	ug/Kg	02/05/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		250	130	ug/Kg	02/05/15	DD	SW 8270	
4-Chloroaniline	ND		730	170	ug/Kg	02/05/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		250	120	ug/Kg	02/05/15	DD	SW 8270	
4-Nitroaniline	ND		1800	120	ug/Kg	02/05/15	DD	SW 8270	
4-Nitrophenol	ND		1800	160	ug/Kg	02/05/15	DD	SW 8270	
Acenaphthene	ND		250	110	ug/Kg	02/05/15	DD	SW 8270	
Acenaphthylene	ND		150	100	ug/Kg	02/05/15	DD	SW 8270	
Acetophenone	ND		250	110	ug/Kg	02/05/15	DD	SW 8270	
Anthracene	ND		250	120	ug/Kg	02/05/15	DD	SW 8270	
Atrazine	ND		150	160	ug/Kg	02/05/15	DD	SW 8270	
Benz(a)anthracene	ND		250	120	ug/Kg	02/05/15	DD	SW 8270	
Benzaldehyde	ND		250	110	ug/Kg	02/05/15	DD	SW 8270	
Benzidine	ND		550	550	ug/Kg	02/05/15	DD	SW 8270	
Benzo(a)pyrene	ND		150	120	ug/Kg	02/05/15	DD	SW 8270	
Benzo(b)fluoranthene	ND		250	120	ug/Kg	02/05/15	DD	SW 8270	
Benzo(ghi)perylene	ND		250	120	ug/Kg	02/05/15	DD	SW 8270	
Benzo(k)fluoranthene	ND		250	120	ug/Kg	02/05/15	DD	SW 8270	
Benzyl Alcohol	ND		360	360	ug/Kg	02/05/15	DD	SW 8270	
Benzyl butyl phthalate	ND		250	94	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		250	100	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		150	98	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		250	100	ug/Kg	02/05/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		250	100	ug/Kg	02/05/15	DD	SW 8270	
Caprolactam	ND		250	650	ug/Kg	02/05/15	DD	SW 8270	
Carbazole	ND		1800	280	ug/Kg	02/05/15	DD	SW 8270	
Chrysene	ND		250	120	ug/Kg	02/05/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		150	120	ug/Kg	02/05/15	DD	SW 8270	
Dibenzofuran	ND		250	110	ug/Kg	02/05/15	DD	SW 8270	
Diethyl phthalate	ND		250	120	ug/Kg	02/05/15	DD	SW 8270	
Dimethylphthalate	ND		250	110	ug/Kg	02/05/15	DD	SW 8270	
Di-n-butylphthalate	ND		250	97	ug/Kg	02/05/15	DD	SW 8270	
Di-n-octylphthalate	ND		250	94	ug/Kg	02/05/15	DD	SW 8270	
Fluoranthene	130	J	250	120	ug/Kg	02/05/15	DD	SW 8270	
Fluorene	ND		250	120	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorobenzene	ND		150	110	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorobutadiene	ND		250	130	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		250	110	ug/Kg	02/05/15	DD	SW 8270	
Hexachloroethane	ND		150	110	ug/Kg	02/05/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND		250	120	ug/Kg	02/05/15	DD	SW 8270	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 13 COMP

Phoenix I.D.: BH70563

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND	150	100	ug/Kg	02/05/15	DD	SW 8270	
Naphthalene	ND	250	100	ug/Kg	02/05/15	DD	SW 8270	
Nitrobenzene	ND	150	130	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodimethylamine	ND	250	100	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	150	120	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND	150	140	ug/Kg	02/05/15	DD	SW 8270	
Pentachlorophenol	ND	250	140	ug/Kg	02/05/15	DD	SW 8270	
Phenanthrene	ND	150	100	ug/Kg	02/05/15	DD	SW 8270	
Phenol	ND	250	120	ug/Kg	02/05/15	DD	SW 8270	
Pyrene	ND	250	130	ug/Kg	02/05/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	86			%	02/05/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	85			%	02/05/15	DD	30 - 130 %	
% 2-Fluorophenol	72			%	02/05/15	DD	30 - 130 %	
% Nitrobenzene-d5	80			%	02/05/15	DD	30 - 130 %	
% Phenol-d5	77			%	02/05/15	DD	30 - 130 %	
% Terphenyl-d14	106			%	02/05/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral								
1,4-Dichlorobenzene	ND	83	83	ug/L	02/06/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND	83	83	ug/L	02/06/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND	83	83	ug/L	02/06/15	DD	SW 8270	
2,4-Dinitrotoluene	ND	83	83	ug/L	02/06/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	83	83	ug/L	02/06/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND	83	83	ug/L	02/06/15	DD	SW 8270	
Hexachlorobenzene	ND	83	83	ug/L	02/06/15	DD	SW 8270	
Hexachlorobutadiene	ND	83	83	ug/L	02/06/15	DD	SW 8270	
Hexachloroethane	ND	83	83	ug/L	02/06/15	DD	SW 8270	
Nitrobenzene	ND	83	83	ug/L	02/06/15	DD	SW 8270	
Pentachlorophenol	ND	83	83	ug/L	02/06/15	DD	SW 8270	
Pyridine	ND	83	83	ug/L	02/06/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	89			%	02/06/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	73			%	02/06/15	DD	30 - 130 %	
% 2-Fluorophenol	58			%	02/06/15	DD	15 - 110 %	
% Nitrobenzene-d5	77			%	02/06/15	DD	30 - 130 %	
% Phenol-d5	51			%	02/06/15	DD	15 - 110 %	
% Terphenyl-d14	77			%	02/06/15	DD	30 - 130 %	
Aniline	ND	330		ug/Kg	02/05/15	DD	SW8270	
Benzoic Acid	ND	330		ug/Kg	02/05/15	DD	SW8270	1
Parathion	ND	360	150	ug/Kg	02/05/15	DD	SW8270	1

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 13 COMP

Phoenix I.D.: BH70563

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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 13, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 13, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/04/15	7:40
Location Code:	IMPACT	Received by:	SW	02/04/15	17:06
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70542
Phoenix ID: BH70564

Project ID: SW MARINE TRANSFER STATION
Client ID: DUP WC 13 1-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/04/15	I	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	4.6	0.92	ug/Kg	02/06/15	HM	SW8260
1,3,5-Trimethylbenzene	ND	4.6	0.92	ug/Kg	02/06/15	HM	SW8260
1,3-Dichlorobenzene	ND	4.6	0.92	ug/Kg	02/06/15	HM	SW8260
Naphthalene	ND	4.6	1.2	ug/Kg	02/06/15	HM	SW8260
n-Butylbenzene	ND	4.6	0.92	ug/Kg	02/06/15	HM	SW8260
n-Propylbenzene	ND	4.6	0.92	ug/Kg	02/06/15	HM	SW8260
p-Isopropyltoluene	ND	4.6	0.92	ug/Kg	02/06/15	HM	SW8260
sec-Butylbenzene	ND	4.6	0.92	ug/Kg	02/06/15	HM	SW8260
tert-Butylbenzene	ND	4.6	0.92	ug/Kg	02/06/15	HM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	111			%	02/06/15	HM	SW8260
% Bromofluorobenzene	88			%	02/06/15	HM	SW8260
% Dibromofluoromethane	102			%	02/06/15	HM	SW8260
% Toluene-d8	98			%	02/06/15	HM	SW8260
1,4-dioxane							
1,4-dioxane	ND	92	92	ug/kg	02/06/15	HM	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	4.6	0.92	ug/Kg	02/06/15	HM	SW8260
1,1,1-Trichloroethane	ND	4.6	0.92	ug/Kg	02/06/15	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	4.6	0.65	ug/Kg	02/06/15	HM	SW8260
1,1,2-Trichloroethane	ND	4.6	0.45	ug/Kg	02/06/15	HM	SW8260
1,1-Dichloroethane	ND	4.6	0.91	ug/Kg	02/06/15	HM	SW8260
1,1-Dichloroethene	ND	4.6	1.0	ug/Kg	02/06/15	HM	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: DUP WC 13 1-2

Phoenix I.D.: BH70564

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		4.6	0.62	ug/Kg	02/06/15	HM	SW8260
1,2,4-Trichlorobenzene	ND		4.6	0.54	ug/Kg	02/06/15	HM	SW8260
1,2-Dibromo-3-chloropropane	ND		4.6	1.2	ug/Kg	02/06/15	HM	SW8260
1,2-Dibromoethane	ND		4.6	1.2	ug/Kg	02/06/15	HM	SW8260
1,2-Dichlorobenzene	ND		4.6	0.51	ug/Kg	02/06/15	HM	SW8260
1,2-Dichloroethane	ND		4.6	0.40	ug/Kg	02/06/15	HM	SW8260
1,2-Dichloropropane	ND		4.6	0.65	ug/Kg	02/06/15	HM	SW8260
1,3-Dichlorobenzene	ND		4.6	0.68	ug/Kg	02/06/15	HM	SW8260
1,4-Dichlorobenzene	ND		4.6	0.73	ug/Kg	02/06/15	HM	SW8260
2-Hexanone	ND		23	2.1	ug/Kg	02/06/15	HM	SW8260
4-Methyl-2-pentanone	ND		23	1.1	ug/Kg	02/06/15	HM	SW8260
Acetone	ND		46	4.6	ug/Kg	02/06/15	HM	SW8260
Acrolein	ND		23	3.7	ug/Kg	02/06/15	HM	SW8260
Acrylonitrile	ND		9.2	2.6	ug/Kg	02/06/15	HM	SW8260
Benzene	ND		4.6	0.91	ug/Kg	02/06/15	HM	SW8260
Bromochloromethane	ND		4.6	0.67	ug/Kg	02/06/15	HM	SW8260
Bromodichloromethane	ND		4.6	0.57	ug/Kg	02/06/15	HM	SW8260
Bromoform	ND		4.6	0.64	ug/Kg	02/06/15	HM	SW8260
Bromomethane	ND		4.6	3.5	ug/Kg	02/06/15	HM	SW8260
Carbon Disulfide	ND		4.6	0.75	ug/Kg	02/06/15	HM	SW8260
Carbon tetrachloride	ND		4.6	0.53	ug/Kg	02/06/15	HM	SW8260
Chlorobenzene	ND		4.6	0.68	ug/Kg	02/06/15	HM	SW8260
Chloroethane	ND		4.6	1.1	ug/Kg	02/06/15	HM	SW8260
Chloroform	ND		4.6	0.84	ug/Kg	02/06/15	HM	SW8260
Chloromethane	ND		4.6	2.4	ug/Kg	02/06/15	HM	SW8260
cis-1,2-Dichloroethene	ND		4.6	1.0	ug/Kg	02/06/15	HM	SW8260
cis-1,3-Dichloropropene	ND		4.6	0.50	ug/Kg	02/06/15	HM	SW8260
Cyclohexane	ND		4.6	4.6	ug/Kg	02/06/15	HM	SW8260
Dibromochloromethane	ND		4.6	0.52	ug/Kg	02/06/15	HM	SW8260
Dichlorodifluoromethane	ND		4.6	1.2	ug/Kg	02/06/15	HM	SW8260
Ethylbenzene	ND		4.6	0.84	ug/Kg	02/06/15	HM	SW8260
Isopropylbenzene	ND		4.6	0.88	ug/Kg	02/06/15	HM	SW8260
m&p-Xylene	ND		4.6	1.8	ug/Kg	02/06/15	HM	SW8260
Methyl ethyl ketone	ND		28	4.0	ug/Kg	02/06/15	HM	SW8260
Methyl t-butyl ether (MTBE)	ND		9.2	1.3	ug/Kg	02/06/15	HM	SW8260
Methylacetate	ND		4.6	4.6	ug/Kg	02/06/15	HM	SW8260
Methylcyclohexane	ND		4.6	4.6	ug/Kg	02/06/15	HM	SW8260
Methylene chloride	1.6	JS	4.6	0.75	ug/Kg	02/06/15	HM	SW8260
o-Xylene	ND		4.6	1.8	ug/Kg	02/06/15	HM	SW8260
Styrene	ND		4.6	1.3	ug/Kg	02/06/15	HM	SW8260
tert-butyl alcohol	ND		92	92	ug/Kg	02/06/15	HM	SW8260
Tetrachloroethene	ND		4.6	0.97	ug/Kg	02/06/15	HM	SW8260
Toluene	ND		4.6	0.73	ug/Kg	02/06/15	HM	SW8260
Total Xylenes	ND		4.6	4.6	ug/Kg	02/06/15	HM	SW8260
trans-1,2-Dichloroethene	ND		4.6	0.92	ug/Kg	02/06/15	HM	SW8260
trans-1,3-Dichloropropene	ND		4.6	0.94	ug/Kg	02/06/15	HM	SW8260
Trichloroethene	ND		4.6	0.98	ug/Kg	02/06/15	HM	SW8260
Trichlorofluoromethane	ND		4.6	1.0	ug/Kg	02/06/15	HM	SW8260
Trichlorotrifluoroethane	ND		4.6	0.72	ug/Kg	02/06/15	HM	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: DUP WC 13 1-2

Phoenix I.D.: BH70564

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	4.6	1.5	ug/Kg	02/06/15	HM	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	111			%	02/06/15	HM	70 - 130 %	
% Bromofluorobenzene	86			%	02/06/15	HM	70 - 130 %	
% Dibromofluoromethane	102			%	02/06/15	HM	70 - 130 %	
% Toluene-d8	98			%	02/06/15	HM	70 - 130 %	
Vinyl Acetate	ND	46	46	ug/Kg	02/06/15	HM	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

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 13, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 13, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/04/15	7:40
Location Code:	IMPACT	Received by:	SW	02/04/15	17:06
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70542
Phoenix ID: BH70565

Project ID: SW MARINE TRANSFER STATION
Client ID: DUP WC 13 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.32	0.32	0.32	mg/Kg	02/05/15	LK	SW6010	
Aluminum	1410	4.8	0.64	mg/Kg	02/05/15	LK	SW6010	
Arsenic	0.6	0.6	0.64	mg/Kg	02/05/15	LK	SW6010	
Barium	8.48	0.32	0.32	mg/Kg	02/05/15	LK	SW6010	
Beryllium	< 0.25	0.25	0.13	mg/Kg	02/05/15	LK	SW6010	
Calcium	574	4.8	2.9	mg/Kg	02/05/15	LK	SW6010	B
Cadmium	< 0.32	0.32	0.13	mg/Kg	02/05/15	LK	SW6010	
Cobalt	0.97	0.32	0.32	mg/Kg	02/05/15	LK	SW6010	
Chromium	4.46	0.32	0.32	mg/Kg	02/05/15	LK	SW6010	
Copper	3.72	0.32	0.32	mg/kg	02/05/15	LK	SW6010	
Iron	2520	4.8	3.2	mg/Kg	02/05/15	LK	SW6010	
Mercury	< 0.02	0.02	0.01	mg/Kg	02/05/15	RS	SW-7471	
Potassium	129	4.8	2.5	mg/Kg	02/05/15	LK	SW6010	
Magnesium	305	4.8	3.2	mg/Kg	02/05/15	LK	SW6010	
Manganese	34.6	0.32	0.32	mg/Kg	02/05/15	LK	SW6010	
Sodium	69.8	4.8	2.7	mg/Kg	02/05/15	LK	SW6010	
Nickel	3.05	0.32	0.32	mg/Kg	02/05/15	LK	SW6010	
Lead	12.9	0.32	0.32	mg/Kg	02/05/15	LK	SW6010	
Antimony	< 3.2	3.2	1.6	mg/Kg	02/05/15	LK	SW6010	
Selenium	< 1.3	1.3	1.1	mg/Kg	02/05/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/05/15	EK	SW6010	
TCLP Barium	0.18	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/05/15	EK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/05/15	RS	SW7470	
TCLP Lead	< 0.10	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/05/15	EK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: DUP WC 13 COMP

Phoenix I.D.: BH70565

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 2.9	2.9	1.3	mg/Kg	02/05/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/05/15	I/I	SW3005	
Trivalent Chromium	4.46	0.50		mg/kg	02/05/15	CL	Calculation	
Vanadium	4.10	0.32	0.32	mg/Kg	02/05/15	LK	SW6010	
Zinc	46.8	0.32	0.32	mg/Kg	02/05/15	LK	SW6010	
Percent Solid	97			%	02/04/15	I	SW846	
Corrosivity	Negative			Pos/Neg	02/04/15	O/EG	SW846	1
Flash Point	>200	200		degree F	02/05/15	Y	SW1010	
Chromium, Hexavalent	< 0.40	0.40	0.40	mg/Kg	02/05/15 14:55	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/05/15	Y	SW846	1
pH - Soil	9.70	0.10		pH Units	02/04/15 20:00	O/EG	4500-H B/9045	1
Reactivity Cyanide	< 5.1	5.1	0.026	mg/Kg	02/05/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/05/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/05/15	EG	SW 846-7.3	1
Redox Potential	102	1.0		mV	02/04/15	O/EG	SM2580B	1
Total Cyanide	< 0.47	0.47	0.23	mg/Kg	02/05/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				02/04/15	BC/H	SW3545	
Soil Extraction for Pesticide	Completed				02/04/15	BC	SW3545	
Soil Extraction for SVOA	Completed				02/04/15	JJ/VH	SW3545	
Mercury Digestion	Completed				02/05/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/04/15	P/DW	SW8151	
TCLP Digestion Mercury	Completed				02/05/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/05/15	F/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				02/04/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				02/04/15	I	1311	
TCLP Pesticides Extraction	Completed				02/05/15	T	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/05/15	L	SW3510	
TCLP Extraction Volatiles	Completed				02/04/15	Y	EPA 1311	
Total Metals Digest	Completed				02/04/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				02/04/15	BC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	43	43	ug/Kg	02/05/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	43	43	ug/Kg	02/05/15	BB	SW8151	
2,4-D	ND	43	43	ug/Kg	02/05/15	BB	SW8151	
2,4-DB	ND	430	430	ug/Kg	02/05/15	BB	SW8151	
Dalapon	ND	43	43	ug/Kg	02/05/15	BB	SW8151	
Dicamba	ND	86	86	ug/Kg	02/05/15	BB	SW8151	
Dichloroprop	ND	43	43	ug/Kg	02/05/15	BB	SW8151	
Dinoseb	ND	86	86	ug/Kg	02/05/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	64			%	02/05/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	67	67	ug/Kg	02/05/15	AW	SW 8082	
PCB-1221	ND	67	67	ug/Kg	02/05/15	AW	SW 8082	
PCB-1232	ND	67	67	ug/Kg	02/05/15	AW	SW 8082	
PCB-1242	ND	67	67	ug/Kg	02/05/15	AW	SW 8082	
PCB-1248	ND	67	67	ug/Kg	02/05/15	AW	SW 8082	
PCB-1254	ND	67	67	ug/Kg	02/05/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: DUP WC 13 COMP

Phoenix I.D.: BH70565

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	67	67	ug/Kg	02/05/15	AW	SW 8082
PCB-1262	ND	67	67	ug/Kg	02/05/15	AW	SW 8082
PCB-1268	ND	67	67	ug/Kg	02/05/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	79			%	02/05/15	AW	30 - 150 %
% TCMX	90			%	02/05/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.0	2.0	ug/Kg	02/05/15	CE	SW8081
4,4' -DDE	ND	2.0	2.0	ug/Kg	02/05/15	CE	SW8081
4,4' -DDT	ND	2.0	2.0	ug/Kg	02/05/15	CE	SW8081
a-BHC	ND	6.7	6.7	ug/Kg	02/05/15	CE	SW8081
a-Chlordane	ND	3.4	3.4	ug/Kg	02/05/15	CE	SW8081
Aldrin	ND	3.4	3.4	ug/Kg	02/05/15	CE	SW8081
b-BHC	ND	6.7	6.7	ug/Kg	02/05/15	CE	SW8081
Chlordane	ND	34	34	ug/Kg	02/05/15	CE	SW8081
d-BHC	ND	6.7	6.7	ug/Kg	02/05/15	CE	SW8081
Dieldrin	ND	3.4	3.4	ug/Kg	02/05/15	CE	SW8081
Endosulfan I	ND	6.7	6.7	ug/Kg	02/05/15	CE	SW8081
Endosulfan II	ND	6.7	6.7	ug/Kg	02/05/15	CE	SW8081
Endosulfan sulfate	ND	6.7	6.7	ug/Kg	02/05/15	CE	SW8081
Endrin	ND	6.7	6.7	ug/Kg	02/05/15	CE	SW8081
Endrin aldehyde	ND	6.7	6.7	ug/Kg	02/05/15	CE	SW8081
Endrin ketone	ND	6.7	6.7	ug/Kg	02/05/15	CE	SW8081
g-BHC	ND	1.3	1.3	ug/Kg	02/05/15	CE	SW8081
g-Chlordane	ND	3.4	3.4	ug/Kg	02/05/15	CE	SW8081
Heptachlor	ND	6.7	6.7	ug/Kg	02/05/15	CE	SW8081
Heptachlor epoxide	ND	6.7	6.7	ug/Kg	02/05/15	CE	SW8081
Methoxychlor	ND	34	34	ug/Kg	02/05/15	CE	SW8081
Toxaphene	ND	130	130	ug/Kg	02/05/15	CE	SW8081
QA/QC Surrogates							
% DCBP	91			%	02/05/15	CE	30 - 150 %
% TCMX	92			%	02/05/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
QA/QC Surrogates							
% DCAA	68			%	02/10/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/07/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/07/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/07/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/07/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/07/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/07/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/07/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/07/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/07/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/07/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/07/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/07/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/07/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/07/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/07/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/07/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	81			%	02/07/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	62			%	02/07/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	50	50	mg/Kg	02/09/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	91			%	02/09/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/05/15	MH	SW8260
Benzene	ND	25	25	ug/L	02/05/15	MH	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/05/15	MH	SW8260
Chlorobenzene	ND	25	25	ug/L	02/05/15	MH	SW8260
Chloroform	ND	25	25	ug/L	02/05/15	MH	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/05/15	MH	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
Trichloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
Vinyl chloride	ND	25	25	ug/L	02/05/15	MH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101			%	02/05/15	MH	70 - 130 %
% Bromofluorobenzene	97			%	02/05/15	MH	70 - 130 %
% Dibromofluoromethane	102			%	02/05/15	MH	70 - 130 %
% Toluene-d8	98			%	02/05/15	MH	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	240	100	ug/Kg	02/05/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	02/05/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	340	340	ug/Kg	02/05/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	240	160	ug/Kg	02/05/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	240	180	ug/Kg	02/05/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	130	110	ug/Kg	02/05/15	DD	SW 8270
2,4-Dichlorophenol	ND	130	120	ug/Kg	02/05/15	DD	SW 8270
2,4-Dimethylphenol	ND	240	83	ug/Kg	02/05/15	DD	SW 8270
2,4-Dinitrophenol	ND	240	240	ug/Kg	02/05/15	DD	SW 8270
2,4-Dinitrotoluene	ND	130	130	ug/Kg	02/05/15	DD	SW 8270
2,6-Dinitrotoluene	ND	130	110	ug/Kg	02/05/15	DD	SW 8270
2-Chloronaphthalene	ND	240	96	ug/Kg	02/05/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: DUP WC 13 COMP

Phoenix I.D.: BH70565

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		240	96	ug/Kg	02/05/15	DD	SW 8270	
2-Methylnaphthalene	ND		240	100	ug/Kg	02/05/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		240	160	ug/Kg	02/05/15	DD	SW 8270	
2-Nitroaniline	ND		1700	340	ug/Kg	02/05/15	DD	SW 8270	
2-Nitrophenol	ND		240	210	ug/Kg	02/05/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		240	130	ug/Kg	02/05/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		130	160	ug/Kg	02/05/15	DD	SW 8270	
3-Nitroaniline	ND		1700	730	ug/Kg	02/05/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		240	360	ug/Kg	02/05/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		240	99	ug/Kg	02/05/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		240	120	ug/Kg	02/05/15	DD	SW 8270	
4-Chloroaniline	ND		670	160	ug/Kg	02/05/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		240	110	ug/Kg	02/05/15	DD	SW 8270	
4-Nitroaniline	ND		1700	110	ug/Kg	02/05/15	DD	SW 8270	
4-Nitrophenol	ND		1700	150	ug/Kg	02/05/15	DD	SW 8270	
Acenaphthene	ND		240	100	ug/Kg	02/05/15	DD	SW 8270	
Acenaphthylene	ND		130	94	ug/Kg	02/05/15	DD	SW 8270	
Acetophenone	ND		240	100	ug/Kg	02/05/15	DD	SW 8270	
Anthracene	ND		240	110	ug/Kg	02/05/15	DD	SW 8270	
Atrazine	ND		130	150	ug/Kg	02/05/15	DD	SW 8270	
Benz(a)anthracene	ND		240	110	ug/Kg	02/05/15	DD	SW 8270	
Benzaldehyde	ND		240	100	ug/Kg	02/05/15	DD	SW 8270	
Benzidine	ND		500	500	ug/Kg	02/05/15	DD	SW 8270	
Benzo(a)pyrene	ND		130	110	ug/Kg	02/05/15	DD	SW 8270	
Benzo(b)fluoranthene	ND		240	120	ug/Kg	02/05/15	DD	SW 8270	
Benzo(ghi)perylene	ND		240	110	ug/Kg	02/05/15	DD	SW 8270	
Benzo(k)fluoranthene	ND		240	110	ug/Kg	02/05/15	DD	SW 8270	
Benzyl Alcohol	ND		340	340	ug/Kg	02/05/15	DD	SW 8270	
Benzyl butyl phthalate	ND		240	87	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		240	93	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		130	91	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		240	94	ug/Kg	02/05/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		240	97	ug/Kg	02/05/15	DD	SW 8270	
Caprolactam	ND		240	600	ug/Kg	02/05/15	DD	SW 8270	
Carbazole	ND		1700	260	ug/Kg	02/05/15	DD	SW 8270	
Chrysene	ND		240	110	ug/Kg	02/05/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		130	110	ug/Kg	02/05/15	DD	SW 8270	
Dibenzofuran	ND		240	98	ug/Kg	02/05/15	DD	SW 8270	
Diethyl phthalate	ND		240	110	ug/Kg	02/05/15	DD	SW 8270	
Dimethylphthalate	ND		240	100	ug/Kg	02/05/15	DD	SW 8270	
Di-n-butylphthalate	ND		240	89	ug/Kg	02/05/15	DD	SW 8270	
Di-n-octylphthalate	ND		240	87	ug/Kg	02/05/15	DD	SW 8270	
Fluoranthene	150	J	240	110	ug/Kg	02/05/15	DD	SW 8270	
Fluorene	ND		240	110	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorobenzene	ND		130	98	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorobutadiene	ND		240	120	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		240	100	ug/Kg	02/05/15	DD	SW 8270	
Hexachloroethane	ND		130	100	ug/Kg	02/05/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND		240	110	ug/Kg	02/05/15	DD	SW 8270	

Project ID: SW MARINE TRANSFER STATION
Client ID: DUP WC 13 COMP

Phoenix I.D.: BH70565

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND		130	94	ug/Kg	02/05/15	DD	SW 8270	
Naphthalene	ND		240	97	ug/Kg	02/05/15	DD	SW 8270	
Nitrobenzene	ND		130	120	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodimethylamine	ND		240	95	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		130	110	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND		130	130	ug/Kg	02/05/15	DD	SW 8270	
Pentachlorophenol	ND		240	130	ug/Kg	02/05/15	DD	SW 8270	
Phenanthrene	120	J	130	96	ug/Kg	02/05/15	DD	SW 8270	
Phenol	ND		240	110	ug/Kg	02/05/15	DD	SW 8270	
Pyrene	130	J	240	120	ug/Kg	02/05/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	79				%	02/05/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	77				%	02/05/15	DD	30 - 130 %	
% 2-Fluorophenol	68				%	02/05/15	DD	30 - 130 %	
% Nitrobenzene-d5	74				%	02/05/15	DD	30 - 130 %	
% Phenol-d5	73				%	02/05/15	DD	30 - 130 %	
% Terphenyl-d14	89				%	02/05/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral									
1,4-Dichlorobenzene	ND		83	83	ug/L	02/06/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND		83	83	ug/L	02/06/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND		83	83	ug/L	02/06/15	DD	SW 8270	
2,4-Dinitrotoluene	ND		83	83	ug/L	02/06/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		83	83	ug/L	02/06/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND		83	83	ug/L	02/06/15	DD	SW 8270	
Hexachlorobenzene	ND		83	83	ug/L	02/06/15	DD	SW 8270	
Hexachlorobutadiene	ND		83	83	ug/L	02/06/15	DD	SW 8270	
Hexachloroethane	ND		83	83	ug/L	02/06/15	DD	SW 8270	
Nitrobenzene	ND		83	83	ug/L	02/06/15	DD	SW 8270	
Pentachlorophenol	ND		83	83	ug/L	02/06/15	DD	SW 8270	
Pyridine	ND		83	83	ug/L	02/06/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	81				%	02/06/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	65				%	02/06/15	DD	30 - 130 %	
% 2-Fluorophenol	53				%	02/06/15	DD	15 - 110 %	
% Nitrobenzene-d5	66				%	02/06/15	DD	30 - 130 %	
% Phenol-d5	47				%	02/06/15	DD	15 - 110 %	
% Terphenyl-d14	67				%	02/06/15	DD	30 - 130 %	
Aniline	ND		330		ug/Kg	02/05/15	DD	SW8270	
Benzoic Acid	ND		330		ug/Kg	02/05/15	DD	SW8270	1
Parathion	ND		340	130	ug/Kg	02/05/15	DD	SW8270	1

Project ID: SW MARINE TRANSFER STATION
Client ID: DUP WC 13 COMP

Phoenix I.D.: BH70565

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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 13, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 13, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/04/15	8:20
Location Code:	IMPACT	Received by:	SW	02/04/15	17:06
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70542
Phoenix ID: BH70566

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 45 2-3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/04/15	I	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	250	49	ug/Kg	02/06/15	HM	SW8260
1,3,5-Trimethylbenzene	ND	250	49	ug/Kg	02/06/15	HM	SW8260
1,3-Dichlorobenzene	ND	250	49	ug/Kg	02/06/15	HM	SW8260
Naphthalene	ND	250	66	ug/Kg	02/06/15	HM	SW8260
n-Butylbenzene	ND	250	49	ug/Kg	02/06/15	HM	SW8260
n-Propylbenzene	ND	250	49	ug/Kg	02/06/15	HM	SW8260
p-Isopropyltoluene	ND	250	49	ug/Kg	02/06/15	HM	SW8260
sec-Butylbenzene	ND	250	49	ug/Kg	02/06/15	HM	SW8260
tert-Butylbenzene	ND	250	49	ug/Kg	02/06/15	HM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100			%	02/06/15	HM	SW8260
% Bromofluorobenzene	97			%	02/06/15	HM	SW8260
% Dibromofluoromethane	96			%	02/06/15	HM	SW8260
% Toluene-d8	100			%	02/06/15	HM	SW8260
1,4-dioxane							
1,4-dioxane	ND	100	100	ug/kg	02/06/15	HM	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.9	1.2	ug/Kg	02/06/15	HM	SW8260
1,1,1-Trichloroethane	ND	5.9	1.2	ug/Kg	02/06/15	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	5.9	0.83	ug/Kg	02/06/15	HM	SW8260
1,1,2-Trichloroethane	ND	5.9	0.57	ug/Kg	02/06/15	HM	SW8260
1,1-Dichloroethane	ND	5.9	1.2	ug/Kg	02/06/15	HM	SW8260
1,1-Dichloroethene	ND	5.9	1.3	ug/Kg	02/06/15	HM	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 45 2-3

Phoenix I.D.: BH70566

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		250	33	ug/Kg	02/06/15	HM	SW8260
1,2,4-Trichlorobenzene	ND		250	29	ug/Kg	02/06/15	HM	SW8260
1,2-Dibromo-3-chloropropane	ND		80	66	ug/Kg	02/06/15	HM	SW8260
1,2-Dibromoethane	ND		5.9	1.6	ug/Kg	02/06/15	HM	SW8260
1,2-Dichlorobenzene	ND		250	27	ug/Kg	02/06/15	HM	SW8260
1,2-Dichloroethane	ND		5.9	0.51	ug/Kg	02/06/15	HM	SW8260
1,2-Dichloropropane	ND		5.9	0.83	ug/Kg	02/06/15	HM	SW8260
1,3-Dichlorobenzene	ND		250	36	ug/Kg	02/06/15	HM	SW8260
1,4-Dichlorobenzene	ND		250	39	ug/Kg	02/06/15	HM	SW8260
2-Hexanone	ND		29	2.6	ug/Kg	02/06/15	HM	SW8260
4-Methyl-2-pentanone	ND		29	1.4	ug/Kg	02/06/15	HM	SW8260
Acetone	ND		50	5.8	ug/Kg	02/06/15	HM	SW8260
Acrolein	ND		29	4.7	ug/Kg	02/06/15	HM	SW8260
Acrylonitrile	ND		12	3.3	ug/Kg	02/06/15	HM	SW8260
Benzene	ND		5.9	1.2	ug/Kg	02/06/15	HM	SW8260
Bromochloromethane	ND		5.9	0.85	ug/Kg	02/06/15	HM	SW8260
Bromodichloromethane	ND		5.9	0.73	ug/Kg	02/06/15	HM	SW8260
Bromoform	ND		5.9	0.82	ug/Kg	02/06/15	HM	SW8260
Bromomethane	ND		5.9	4.5	ug/Kg	02/06/15	HM	SW8260
Carbon Disulfide	ND		5.9	0.95	ug/Kg	02/06/15	HM	SW8260
Carbon tetrachloride	ND		5.9	0.68	ug/Kg	02/06/15	HM	SW8260
Chlorobenzene	ND		5.9	0.87	ug/Kg	02/06/15	HM	SW8260
Chloroethane	ND		5.9	1.4	ug/Kg	02/06/15	HM	SW8260
Chloroform	ND		5.9	1.1	ug/Kg	02/06/15	HM	SW8260
Chloromethane	ND		5.9	3.1	ug/Kg	02/06/15	HM	SW8260
cis-1,2-Dichloroethene	ND		5.9	1.3	ug/Kg	02/06/15	HM	SW8260
cis-1,3-Dichloropropene	ND		5.9	0.63	ug/Kg	02/06/15	HM	SW8260
Cyclohexane	ND		5.9	5.9	ug/Kg	02/06/15	HM	SW8260
Dibromochloromethane	ND		5.9	0.66	ug/Kg	02/06/15	HM	SW8260
Dichlorodifluoromethane	ND		5.9	1.6	ug/Kg	02/06/15	HM	SW8260
Ethylbenzene	ND		5.9	1.1	ug/Kg	02/06/15	HM	SW8260
Isopropylbenzene	ND		250	47	ug/Kg	02/06/15	HM	SW8260
m&p-Xylene	ND		5.9	2.3	ug/Kg	02/06/15	HM	SW8260
Methyl ethyl ketone	ND		35	5.1	ug/Kg	02/06/15	HM	SW8260
Methyl t-butyl ether (MTBE)	ND		12	1.6	ug/Kg	02/06/15	HM	SW8260
Methylacetate	ND		5.9	5.9	ug/Kg	02/06/15	HM	SW8260
Methylcyclohexane	ND		5.9	5.9	ug/Kg	02/06/15	HM	SW8260
Methylene chloride	2.4	JS	5.9	0.96	ug/Kg	02/06/15	HM	SW8260
o-Xylene	ND		5.9	2.2	ug/Kg	02/06/15	HM	SW8260
Styrene	ND		5.9	1.7	ug/Kg	02/06/15	HM	SW8260
tert-butyl alcohol	ND		120	120	ug/Kg	02/06/15	HM	SW8260
Tetrachloroethene	ND		5.9	1.2	ug/Kg	02/06/15	HM	SW8260
Toluene	ND		5.9	0.92	ug/Kg	02/06/15	HM	SW8260
Total Xylenes	ND		5.9	5.9	ug/Kg	02/06/15	HM	SW8260
trans-1,2-Dichloroethene	ND		5.9	1.2	ug/Kg	02/06/15	HM	SW8260
trans-1,3-Dichloropropene	ND		5.9	1.2	ug/Kg	02/06/15	HM	SW8260
Trichloroethene	ND		5.9	1.2	ug/Kg	02/06/15	HM	SW8260
Trichlorofluoromethane	ND		5.9	1.3	ug/Kg	02/06/15	HM	SW8260
Trichlorotrifluoroethane	ND		5.9	0.91	ug/Kg	02/06/15	HM	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 45 2-3

Phoenix I.D.: BH70566

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	5.9	1.9	ug/Kg	02/06/15	HM	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	02/06/15	HM	70 - 130 %	
% Bromofluorobenzene	95			%	02/06/15	HM	70 - 130 %	
% Dibromofluoromethane	106			%	02/06/15	HM	70 - 130 %	
% Toluene-d8	93			%	02/06/15	HM	70 - 130 %	
Vinyl Acetate	ND	59	59	ug/Kg	02/06/15	HM	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
February 13, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 13, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/04/15	8:20
Location Code:	IMPACT	Received by:	SW	02/04/15	17:06
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70542
Phoenix ID: BH70567

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 45 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.41	0.41	0.41	mg/Kg	02/05/15	LK	SW6010	
Aluminum	3150	61	8.1	mg/Kg	02/05/15	LK	SW6010	
Arsenic	3.5	0.8	0.81	mg/Kg	02/05/15	LK	SW6010	
Barium	94.9	0.41	0.41	mg/Kg	02/05/15	LK	SW6010	
Beryllium	< 0.32	0.32	0.16	mg/Kg	02/05/15	LK	SW6010	
Calcium	2540	6.1	3.7	mg/Kg	02/05/15	LK	SW6010	B
Cadmium	< 0.41	0.41	0.16	mg/Kg	02/05/15	LK	SW6010	
Cobalt	2.79	0.41	0.41	mg/Kg	02/05/15	LK	SW6010	
Chromium	8.61	0.41	0.41	mg/Kg	02/05/15	LK	SW6010	
Copper	39.1	0.41	0.41	mg/kg	02/05/15	LK	SW6010	
Iron	5960	6.1	4.1	mg/Kg	02/05/15	LK	SW6010	
Mercury	0.53	0.03	0.02	mg/Kg	02/05/15	RS	SW-7471	
Potassium	877	6.1	3.2	mg/Kg	02/05/15	LK	SW6010	
Magnesium	2050	6.1	4.1	mg/Kg	02/05/15	LK	SW6010	
Manganese	98.2	0.41	0.41	mg/Kg	02/05/15	LK	SW6010	
Sodium	119	6.1	3.5	mg/Kg	02/05/15	LK	SW6010	
Nickel	9.78	0.41	0.41	mg/Kg	02/05/15	LK	SW6010	
Lead	207	4.1	4.1	mg/Kg	02/05/15	LK	SW6010	
Antimony	< 4.1	4.1	2.0	mg/Kg	02/05/15	LK	SW6010	
Selenium	< 1.6	1.6	1.4	mg/Kg	02/05/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/05/15	EK	SW6010	
TCLP Barium	1.39	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/05/15	EK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/05/15	RS	SW7470	
TCLP Lead	2.01	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/05/15	EK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 45 COMP

Phoenix I.D.: BH70567

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.7	3.7	1.6	mg/Kg	02/05/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/05/15	I/I	SW3005	
Trivalent Chromium	8.61	0.50		mg/kg	02/05/15	CL	Calculation	
Vanadium	12.7	0.41	0.41	mg/Kg	02/05/15	LK	SW6010	
Zinc	164	4.1	4.1	mg/Kg	02/05/15	LK	SW6010	
Percent Solid	88			%	02/04/15	I	SW846	
Corrosivity	Negative			Pos/Neg	02/04/15	O/EG	SW846	1
Flash Point	>200	200		degree F	02/05/15	Y	SW1010	
Chromium, Hexavalent	< 0.45	0.45	0.45	mg/Kg	02/05/15 14:55	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/05/15	Y	SW846	1
pH - Soil	9.02	0.10		pH Units	02/04/15 20:00	O/EG	4500-H B/9045	1
Reactivity Cyanide	< 5.5	5.5	0.028	mg/Kg	02/05/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/05/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/05/15	EG	SW 846-7.3	1
Redox Potential	210	1.0		mV	02/04/15	O/EG	SM2580B	1
Total Cyanide	< 0.57	0.57	0.28	mg/Kg	02/05/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				02/04/15	BC/H	SW3545	
Soil Extraction for Pesticide	Completed				02/04/15	BC	SW3545	
Soil Extraction for SVOA	Completed				02/04/15	BJ/VH	SW3545	
Mercury Digestion	Completed				02/05/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/04/15	P/DW	SW8151	
TCLP Digestion Mercury	Completed				02/05/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/05/15	F/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				02/04/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				02/04/15	I	1311	
TCLP Pesticides Extraction	Completed				02/05/15	T	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/05/15	L	SW3510	
TCLP Extraction Volatiles	Completed				02/04/15	Y	EPA 1311	
Total Metals Digest	Completed				02/04/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				02/04/15	BC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	47	47	ug/Kg	02/05/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	47	47	ug/Kg	02/05/15	BB	SW8151	
2,4-D	ND	47	47	ug/Kg	02/05/15	BB	SW8151	
2,4-DB	ND	470	470	ug/Kg	02/05/15	BB	SW8151	
Dalapon	ND	47	47	ug/Kg	02/05/15	BB	SW8151	
Dicamba	ND	94	94	ug/Kg	02/05/15	BB	SW8151	
Dichloroprop	ND	47	47	ug/Kg	02/05/15	BB	SW8151	
Dinoseb	ND	94	94	ug/Kg	02/05/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	64			%	02/05/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	74	74	ug/Kg	02/05/15	AW	SW 8082	
PCB-1221	ND	74	74	ug/Kg	02/05/15	AW	SW 8082	
PCB-1232	ND	74	74	ug/Kg	02/05/15	AW	SW 8082	
PCB-1242	ND	74	74	ug/Kg	02/05/15	AW	SW 8082	
PCB-1248	ND	74	74	ug/Kg	02/05/15	AW	SW 8082	
PCB-1254	ND	74	74	ug/Kg	02/05/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 45 COMP

Phoenix I.D.: BH70567

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	74	74	ug/Kg	02/05/15	AW	SW 8082
PCB-1262	ND	74	74	ug/Kg	02/05/15	AW	SW 8082
PCB-1268	ND	74	74	ug/Kg	02/05/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	69			%	02/05/15	AW	30 - 150 %
% TCMX	79			%	02/05/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.2	2.2	ug/Kg	02/05/15	CE	SW8081
4,4' -DDE	ND	2.2	2.2	ug/Kg	02/05/15	CE	SW8081
4,4' -DDT	ND	2.2	2.2	ug/Kg	02/05/15	CE	SW8081
a-BHC	ND	7.4	7.4	ug/Kg	02/05/15	CE	SW8081
a-Chlordane	ND	3.7	3.7	ug/Kg	02/05/15	CE	SW8081
Aldrin	ND	3.7	3.7	ug/Kg	02/05/15	CE	SW8081
b-BHC	ND	7.4	7.4	ug/Kg	02/05/15	CE	SW8081
Chlordane	ND	37	37	ug/Kg	02/05/15	CE	SW8081
d-BHC	ND	7.4	7.4	ug/Kg	02/05/15	CE	SW8081
Dieldrin	ND	3.7	3.7	ug/Kg	02/05/15	CE	SW8081
Endosulfan I	ND	7.4	7.4	ug/Kg	02/05/15	CE	SW8081
Endosulfan II	ND	7.4	7.4	ug/Kg	02/05/15	CE	SW8081
Endosulfan sulfate	ND	7.4	7.4	ug/Kg	02/05/15	CE	SW8081
Endrin	ND	7.4	7.4	ug/Kg	02/05/15	CE	SW8081
Endrin aldehyde	ND	7.4	7.4	ug/Kg	02/05/15	CE	SW8081
Endrin ketone	ND	7.4	7.4	ug/Kg	02/05/15	CE	SW8081
g-BHC	ND	1.5	1.5	ug/Kg	02/05/15	CE	SW8081
g-Chlordane	ND	3.7	3.7	ug/Kg	02/05/15	CE	SW8081
Heptachlor	ND	7.4	7.4	ug/Kg	02/05/15	CE	SW8081
Heptachlor epoxide	ND	7.4	7.4	ug/Kg	02/05/15	CE	SW8081
Methoxychlor	ND	37	37	ug/Kg	02/05/15	CE	SW8081
Toxaphene	ND	150	150	ug/Kg	02/05/15	CE	SW8081
QA/QC Surrogates							
% DCBP	95			%	02/05/15	CE	30 - 150 %
% TCMX	87			%	02/05/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
QA/QC Surrogates							
% DCAA	57			%	02/10/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/07/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/07/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/07/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/07/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/07/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/07/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/07/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/07/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/07/15	CE	SW 8081

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 45 COMP

Phoenix I.D.: BH70567

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/07/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/07/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/07/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/07/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/07/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/07/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/07/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	90			%	02/07/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	73			%	02/07/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	57	57	mg/Kg	02/09/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	88			%	02/09/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/05/15	MH	SW8260
Benzene	ND	25	25	ug/L	02/05/15	MH	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/05/15	MH	SW8260
Chlorobenzene	ND	25	25	ug/L	02/05/15	MH	SW8260
Chloroform	ND	25	25	ug/L	02/05/15	MH	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/05/15	MH	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
Trichloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
Vinyl chloride	ND	25	25	ug/L	02/05/15	MH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100			%	02/05/15	MH	70 - 130 %
% Bromofluorobenzene	98			%	02/05/15	MH	70 - 130 %
% Dibromofluoromethane	101			%	02/05/15	MH	70 - 130 %
% Toluene-d8	100			%	02/05/15	MH	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	260	110	ug/Kg	02/05/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	02/05/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	370	370	ug/Kg	02/05/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	260	180	ug/Kg	02/05/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	210	ug/Kg	02/05/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	02/05/15	DD	SW 8270
2,4-Dichlorophenol	ND	150	130	ug/Kg	02/05/15	DD	SW 8270
2,4-Dimethylphenol	ND	260	93	ug/Kg	02/05/15	DD	SW 8270
2,4-Dinitrophenol	ND	260	260	ug/Kg	02/05/15	DD	SW 8270
2,4-Dinitrotoluene	ND	150	150	ug/Kg	02/05/15	DD	SW 8270
2,6-Dinitrotoluene	ND	150	120	ug/Kg	02/05/15	DD	SW 8270
2-Chloronaphthalene	ND	260	110	ug/Kg	02/05/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 45 COMP

Phoenix I.D.: BH70567

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		260	110	ug/Kg	02/05/15	DD	SW 8270	
2-Methylnaphthalene	ND		260	110	ug/Kg	02/05/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		260	180	ug/Kg	02/05/15	DD	SW 8270	
2-Nitroaniline	ND		1900	380	ug/Kg	02/05/15	DD	SW 8270	
2-Nitrophenol	ND		260	240	ug/Kg	02/05/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		260	150	ug/Kg	02/05/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		150	180	ug/Kg	02/05/15	DD	SW 8270	
3-Nitroaniline	ND		1900	820	ug/Kg	02/05/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		260	400	ug/Kg	02/05/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		260	110	ug/Kg	02/05/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		260	130	ug/Kg	02/05/15	DD	SW 8270	
4-Chloroaniline	ND		750	170	ug/Kg	02/05/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		260	130	ug/Kg	02/05/15	DD	SW 8270	
4-Nitroaniline	ND		1900	130	ug/Kg	02/05/15	DD	SW 8270	
4-Nitrophenol	ND		1900	170	ug/Kg	02/05/15	DD	SW 8270	
Acenaphthene	ND		260	110	ug/Kg	02/05/15	DD	SW 8270	
Acenaphthylene	ND		150	100	ug/Kg	02/05/15	DD	SW 8270	
Acetophenone	ND		260	120	ug/Kg	02/05/15	DD	SW 8270	
Anthracene	ND		260	120	ug/Kg	02/05/15	DD	SW 8270	
Atrazine	ND		150	170	ug/Kg	02/05/15	DD	SW 8270	
Benz(a)anthracene	180	J	260	130	ug/Kg	02/05/15	DD	SW 8270	
Benzaldehyde	ND		260	110	ug/Kg	02/05/15	DD	SW 8270	
Benzidine	ND		560	560	ug/Kg	02/05/15	DD	SW 8270	
Benzo(a)pyrene	180		150	120	ug/Kg	02/05/15	DD	SW 8270	
Benzo(b)fluoranthene	270		260	130	ug/Kg	02/05/15	DD	SW 8270	
Benzo(ghi)perylene	120	J	260	120	ug/Kg	02/05/15	DD	SW 8270	
Benzo(k)fluoranthene	ND		260	120	ug/Kg	02/05/15	DD	SW 8270	
Benzyl Alcohol	ND		370	370	ug/Kg	02/05/15	DD	SW 8270	
Benzyl butyl phthalate	ND		260	97	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		260	100	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		150	100	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		260	100	ug/Kg	02/05/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		260	110	ug/Kg	02/05/15	DD	SW 8270	
Caprolactam	ND		260	670	ug/Kg	02/05/15	DD	SW 8270	
Carbazole	ND		1900	280	ug/Kg	02/05/15	DD	SW 8270	
Chrysene	230	J	260	130	ug/Kg	02/05/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		150	120	ug/Kg	02/05/15	DD	SW 8270	
Dibenzofuran	ND		260	110	ug/Kg	02/05/15	DD	SW 8270	
Diethyl phthalate	ND		260	120	ug/Kg	02/05/15	DD	SW 8270	
Dimethylphthalate	ND		260	120	ug/Kg	02/05/15	DD	SW 8270	
Di-n-butylphthalate	ND		260	100	ug/Kg	02/05/15	DD	SW 8270	
Di-n-octylphthalate	ND		260	97	ug/Kg	02/05/15	DD	SW 8270	
Fluoranthene	410		260	120	ug/Kg	02/05/15	DD	SW 8270	
Fluorene	ND		260	120	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorobenzene	ND		150	110	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorobutadiene	ND		260	140	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		260	110	ug/Kg	02/05/15	DD	SW 8270	
Hexachloroethane	ND		150	110	ug/Kg	02/05/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	130	J	260	120	ug/Kg	02/05/15	DD	SW 8270	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 45 COMP

Phoenix I.D.: BH70567

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND	150	100	ug/Kg	02/05/15	DD	SW 8270	
Naphthalene	ND	260	110	ug/Kg	02/05/15	DD	SW 8270	
Nitrobenzene	ND	150	130	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodimethylamine	ND	260	110	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	150	120	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND	150	140	ug/Kg	02/05/15	DD	SW 8270	
Pentachlorophenol	ND	260	140	ug/Kg	02/05/15	DD	SW 8270	
Phenanthrene	260	150	110	ug/Kg	02/05/15	DD	SW 8270	
Phenol	ND	260	120	ug/Kg	02/05/15	DD	SW 8270	
Pyrene	360	260	130	ug/Kg	02/05/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	100			%	02/05/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	82			%	02/05/15	DD	30 - 130 %	
% 2-Fluorophenol	73			%	02/05/15	DD	30 - 130 %	
% Nitrobenzene-d5	94			%	02/05/15	DD	30 - 130 %	
% Phenol-d5	82			%	02/05/15	DD	30 - 130 %	
% Terphenyl-d14	85			%	02/05/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral								
1,4-Dichlorobenzene	ND	83	83	ug/L	02/06/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND	83	83	ug/L	02/06/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND	83	83	ug/L	02/06/15	DD	SW 8270	
2,4-Dinitrotoluene	ND	83	83	ug/L	02/06/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	83	83	ug/L	02/06/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND	83	83	ug/L	02/06/15	DD	SW 8270	
Hexachlorobenzene	ND	83	83	ug/L	02/06/15	DD	SW 8270	
Hexachlorobutadiene	ND	83	83	ug/L	02/06/15	DD	SW 8270	
Hexachloroethane	ND	83	83	ug/L	02/06/15	DD	SW 8270	
Nitrobenzene	ND	83	83	ug/L	02/06/15	DD	SW 8270	
Pentachlorophenol	ND	83	83	ug/L	02/06/15	DD	SW 8270	
Pyridine	ND	83	83	ug/L	02/06/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	88			%	02/06/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	72			%	02/06/15	DD	30 - 130 %	
% 2-Fluorophenol	56			%	02/06/15	DD	15 - 110 %	
% Nitrobenzene-d5	76			%	02/06/15	DD	30 - 130 %	
% Phenol-d5	49			%	02/06/15	DD	15 - 110 %	
% Terphenyl-d14	77			%	02/06/15	DD	30 - 130 %	
Aniline	ND	330		ug/Kg	02/05/15	DD	SW8270	
Benzoic Acid	ND	330		ug/Kg	02/05/15	DD	SW8270	1
Parathion	ND	5		ug/Kg	02/05/15	DD	SW8270	1

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 45 COMP

Phoenix I.D.: BH70567

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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 13, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 13, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/04/15	8:30
Location Code:	IMPACT	Received by:	SW	02/04/15	17:06
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70542
Phoenix ID: BH70568

Project ID: SW MARINE TRANSFER STATION
Client ID: DUP WC 45 2-3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/04/15	I	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	260	52	ug/Kg	02/06/15	HM	SW8260
1,3,5-Trimethylbenzene	ND	260	52	ug/Kg	02/06/15	HM	SW8260
1,3-Dichlorobenzene	ND	260	52	ug/Kg	02/06/15	HM	SW8260
Naphthalene	ND	260	69	ug/Kg	02/06/15	HM	SW8260
n-Butylbenzene	ND	260	52	ug/Kg	02/06/15	HM	SW8260
n-Propylbenzene	ND	260	52	ug/Kg	02/06/15	HM	SW8260
p-Isopropyltoluene	ND	260	52	ug/Kg	02/06/15	HM	SW8260
sec-Butylbenzene	ND	260	52	ug/Kg	02/06/15	HM	SW8260
tert-Butylbenzene	ND	260	52	ug/Kg	02/06/15	HM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101			%	02/06/15	HM	SW8260
% Bromofluorobenzene	97			%	02/06/15	HM	SW8260
% Dibromofluoromethane	96			%	02/06/15	HM	SW8260
% Toluene-d8	100			%	02/06/15	HM	SW8260
1,4-dioxane							
1,4-dioxane	ND	86	86	ug/kg	02/06/15	HM	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	4.3	0.86	ug/Kg	02/06/15	HM	SW8260
1,1,1-Trichloroethane	ND	4.3	0.86	ug/Kg	02/06/15	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	4.3	0.61	ug/Kg	02/06/15	HM	SW8260
1,1,2-Trichloroethane	ND	4.3	0.42	ug/Kg	02/06/15	HM	SW8260
1,1-Dichloroethane	ND	4.3	0.85	ug/Kg	02/06/15	HM	SW8260
1,1-Dichloroethene	ND	4.3	0.94	ug/Kg	02/06/15	HM	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: DUP WC 45 2-3

Phoenix I.D.: BH70568

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		260	35	ug/Kg	02/06/15	HM	SW8260
1,2,4-Trichlorobenzene	ND		260	30	ug/Kg	02/06/15	HM	SW8260
1,2-Dibromo-3-chloropropane	ND		80	69	ug/Kg	02/06/15	HM	SW8260
1,2-Dibromoethane	ND		4.3	1.1	ug/Kg	02/06/15	HM	SW8260
1,2-Dichlorobenzene	ND		260	28	ug/Kg	02/06/15	HM	SW8260
1,2-Dichloroethane	ND		4.3	0.38	ug/Kg	02/06/15	HM	SW8260
1,2-Dichloropropane	ND		4.3	0.61	ug/Kg	02/06/15	HM	SW8260
1,3-Dichlorobenzene	ND		260	38	ug/Kg	02/06/15	HM	SW8260
1,4-Dichlorobenzene	ND		260	41	ug/Kg	02/06/15	HM	SW8260
2-Hexanone	ND		22	1.9	ug/Kg	02/06/15	HM	SW8260
4-Methyl-2-pentanone	ND		22	1.0	ug/Kg	02/06/15	HM	SW8260
Acetone	ND		43	4.3	ug/Kg	02/06/15	HM	SW8260
Acrolein	ND		22	3.4	ug/Kg	02/06/15	HM	SW8260
Acrylonitrile	ND		8.6	2.4	ug/Kg	02/06/15	HM	SW8260
Benzene	ND		4.3	0.85	ug/Kg	02/06/15	HM	SW8260
Bromochloromethane	ND		4.3	0.63	ug/Kg	02/06/15	HM	SW8260
Bromodichloromethane	ND		4.3	0.53	ug/Kg	02/06/15	HM	SW8260
Bromoform	ND		4.3	0.60	ug/Kg	02/06/15	HM	SW8260
Bromomethane	ND		4.3	3.3	ug/Kg	02/06/15	HM	SW8260
Carbon Disulfide	ND		4.3	0.70	ug/Kg	02/06/15	HM	SW8260
Carbon tetrachloride	ND		4.3	0.50	ug/Kg	02/06/15	HM	SW8260
Chlorobenzene	ND		4.3	0.64	ug/Kg	02/06/15	HM	SW8260
Chloroethane	ND		4.3	1.0	ug/Kg	02/06/15	HM	SW8260
Chloroform	ND		4.3	0.78	ug/Kg	02/06/15	HM	SW8260
Chloromethane	ND		4.3	2.3	ug/Kg	02/06/15	HM	SW8260
cis-1,2-Dichloroethene	ND		4.3	0.94	ug/Kg	02/06/15	HM	SW8260
cis-1,3-Dichloropropene	ND		4.3	0.46	ug/Kg	02/06/15	HM	SW8260
Cyclohexane	ND		4.3	4.3	ug/Kg	02/06/15	HM	SW8260
Dibromochloromethane	ND		4.3	0.48	ug/Kg	02/06/15	HM	SW8260
Dichlorodifluoromethane	ND		4.3	1.1	ug/Kg	02/06/15	HM	SW8260
Ethylbenzene	ND		4.3	0.78	ug/Kg	02/06/15	HM	SW8260
Isopropylbenzene	ND		260	50	ug/Kg	02/06/15	HM	SW8260
m&p-Xylene	ND		4.3	1.7	ug/Kg	02/06/15	HM	SW8260
Methyl ethyl ketone	ND		26	3.7	ug/Kg	02/06/15	HM	SW8260
Methyl t-butyl ether (MTBE)	ND		8.6	1.2	ug/Kg	02/06/15	HM	SW8260
Methylacetate	ND		4.3	4.3	ug/Kg	02/06/15	HM	SW8260
Methylcyclohexane	ND		4.3	4.3	ug/Kg	02/06/15	HM	SW8260
Methylene chloride	1.1	JS	4.3	0.71	ug/Kg	02/06/15	HM	SW8260
o-Xylene	ND		4.3	1.6	ug/Kg	02/06/15	HM	SW8260
Styrene	ND		4.3	1.2	ug/Kg	02/06/15	HM	SW8260
tert-butyl alcohol	ND		86	86	ug/Kg	02/06/15	HM	SW8260
Tetrachloroethene	ND		4.3	0.90	ug/Kg	02/06/15	HM	SW8260
Toluene	ND		4.3	0.68	ug/Kg	02/06/15	HM	SW8260
Total Xylenes	ND		4.3	4.3	ug/Kg	02/06/15	HM	SW8260
trans-1,2-Dichloroethene	ND		4.3	0.86	ug/Kg	02/06/15	HM	SW8260
trans-1,3-Dichloropropene	ND		4.3	0.88	ug/Kg	02/06/15	HM	SW8260
Trichloroethene	ND		4.3	0.91	ug/Kg	02/06/15	HM	SW8260
Trichlorofluoromethane	ND		4.3	0.95	ug/Kg	02/06/15	HM	SW8260
Trichlorotrifluoroethane	ND		4.3	0.67	ug/Kg	02/06/15	HM	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: DUP WC 45 2-3

Phoenix I.D.: BH70568

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	4.3	1.4	ug/Kg	02/06/15	HM	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	101			%	02/06/15	HM	70 - 130 %	
% Bromofluorobenzene	95			%	02/06/15	HM	70 - 130 %	
% Dibromofluoromethane	104			%	02/06/15	HM	70 - 130 %	
% Toluene-d8	94			%	02/06/15	HM	70 - 130 %	
Vinyl Acetate	ND	43	43	ug/Kg	02/06/15	HM	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
February 13, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 13, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/04/15	8:30
Location Code:	IMPACT	Received by:	SW	02/04/15	17:06
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70542
Phoenix ID: BH70569

Project ID: SW MARINE TRANSFER STATION
Client ID: DUP WC 45 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.35	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Aluminum	1890	5.2	0.69	mg/Kg	02/05/15	LK	SW6010	
Arsenic	4.2	0.7	0.69	mg/Kg	02/05/15	LK	SW6010	
Barium	111	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Beryllium	< 0.28	0.28	0.14	mg/Kg	02/05/15	LK	SW6010	
Calcium	1990	5.2	3.2	mg/Kg	02/05/15	LK	SW6010	B
Cadmium	< 0.35	0.35	0.14	mg/Kg	02/05/15	LK	SW6010	
Cobalt	2.38	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Chromium	7.92	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Copper	31.9	0.35	0.35	mg/kg	02/05/15	LK	SW6010	
Iron	6210	5.2	3.5	mg/Kg	02/05/15	LK	SW6010	
Mercury	0.18	0.03	0.02	mg/Kg	02/05/15	RS	SW-7471	
Potassium	350	5.2	2.7	mg/Kg	02/05/15	LK	SW6010	
Magnesium	1140	5.2	3.5	mg/Kg	02/05/15	LK	SW6010	
Manganese	64.1	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Sodium	105	5.2	3.0	mg/Kg	02/05/15	LK	SW6010	
Nickel	7.95	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Lead	212	3.5	3.5	mg/Kg	02/05/15	LK	SW6010	
Antimony	< 3.5	3.5	1.7	mg/Kg	02/05/15	LK	SW6010	
Selenium	< 1.4	1.4	1.2	mg/Kg	02/05/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/05/15	EK	SW6010	
TCLP Barium	1.52	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/05/15	EK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/05/15	RS	SW7470	
TCLP Lead	2.85	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/05/15	EK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: DUP WC 45 COMP

Phoenix I.D.: BH70569

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.1	3.1	1.4	mg/Kg	02/05/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/05/15	I/I	SW3005	
Trivalent Chromium	7.92	0.50		mg/kg	02/05/15	CL	Calculation	
Vanadium	9.61	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Zinc	153	3.5	3.5	mg/Kg	02/05/15	LK	SW6010	
Percent Solid	87			%	02/04/15	I	SW846	
Corrosivity	Negative			Pos/Neg	02/04/15	O/EG	SW846	1
Flash Point	>200	200		degree F	02/05/15	Y	SW1010	
Chromium, Hexavalent	< 0.46	0.46	0.46	mg/Kg	02/05/15 14:55	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/05/15	Y	SW846	1
pH - Soil	8.91	0.10		pH Units	02/04/15 20:00	O/EG	4500-H B/9045	1
Reactivity Cyanide	< 5.6	5.6	0.028	mg/Kg	02/05/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/05/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/05/15	EG	SW 846-7.3	1
Redox Potential	162	1.0		mV	02/04/15	O/EG	SM2580B	1
Total Cyanide	< 0.57	0.57	0.29	mg/Kg	02/05/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				02/04/15	BC/H	SW3545	
Soil Extraction for Pesticide	Completed				02/04/15	BC	SW3545	
Soil Extraction for SVOA	Completed				02/04/15	BJ/VH	SW3545	
Mercury Digestion	Completed				02/05/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/05/15	P/D	SW8151	
TCLP Digestion Mercury	Completed				02/05/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/05/15	F/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				02/04/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				02/04/15	I	1311	
TCLP Pesticides Extraction	Completed				02/05/15	T	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/05/15	L	SW3510	
TCLP Extraction Volatiles	Completed				02/04/15	Y	EPA 1311	
Total Metals Digest	Completed				02/04/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				02/04/15	BC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	47	47	ug/Kg	02/06/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	47	47	ug/Kg	02/06/15	BB	SW8151	
2,4-D	ND	47	47	ug/Kg	02/06/15	BB	SW8151	
2,4-DB	ND	470	470	ug/Kg	02/06/15	BB	SW8151	
Dalapon	ND	47	47	ug/Kg	02/06/15	BB	SW8151	
Dicamba	ND	95	95	ug/Kg	02/06/15	BB	SW8151	
Dichloroprop	ND	47	47	ug/Kg	02/06/15	BB	SW8151	
Dinoseb	ND	95	95	ug/Kg	02/06/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	62			%	02/06/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	75	75	ug/Kg	02/05/15	AW	SW 8082	
PCB-1221	ND	75	75	ug/Kg	02/05/15	AW	SW 8082	
PCB-1232	ND	75	75	ug/Kg	02/05/15	AW	SW 8082	
PCB-1242	ND	75	75	ug/Kg	02/05/15	AW	SW 8082	
PCB-1248	ND	75	75	ug/Kg	02/05/15	AW	SW 8082	
PCB-1254	ND	75	75	ug/Kg	02/05/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: DUP WC 45 COMP

Phoenix I.D.: BH70569

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	75	75	ug/Kg	02/05/15	AW	SW 8082
PCB-1262	ND	75	75	ug/Kg	02/05/15	AW	SW 8082
PCB-1268	ND	75	75	ug/Kg	02/05/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	67			%	02/05/15	AW	30 - 150 %
% TCMX	74			%	02/05/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.2	2.2	ug/Kg	02/05/15	CE	SW8081
4,4' -DDE	ND	2.2	2.2	ug/Kg	02/05/15	CE	SW8081
4,4' -DDT	ND	2.2	2.2	ug/Kg	02/05/15	CE	SW8081
a-BHC	ND	7.5	7.5	ug/Kg	02/05/15	CE	SW8081
a-Chlordane	ND	3.7	3.7	ug/Kg	02/05/15	CE	SW8081
Aldrin	ND	3.7	3.7	ug/Kg	02/05/15	CE	SW8081
b-BHC	ND	7.5	7.5	ug/Kg	02/05/15	CE	SW8081
Chlordane	ND	37	37	ug/Kg	02/05/15	CE	SW8081
d-BHC	ND	7.5	7.5	ug/Kg	02/05/15	CE	SW8081
Dieldrin	ND	3.7	3.7	ug/Kg	02/05/15	CE	SW8081
Endosulfan I	ND	7.5	7.5	ug/Kg	02/05/15	CE	SW8081
Endosulfan II	ND	7.5	7.5	ug/Kg	02/05/15	CE	SW8081
Endosulfan sulfate	ND	7.5	7.5	ug/Kg	02/05/15	CE	SW8081
Endrin	ND	7.5	7.5	ug/Kg	02/05/15	CE	SW8081
Endrin aldehyde	ND	7.5	7.5	ug/Kg	02/05/15	CE	SW8081
Endrin ketone	ND	7.5	7.5	ug/Kg	02/05/15	CE	SW8081
g-BHC	ND	1.5	1.5	ug/Kg	02/05/15	CE	SW8081
g-Chlordane	ND	3.7	3.7	ug/Kg	02/05/15	CE	SW8081
Heptachlor	ND	7.5	7.5	ug/Kg	02/05/15	CE	SW8081
Heptachlor epoxide	ND	7.5	7.5	ug/Kg	02/05/15	CE	SW8081
Methoxychlor	ND	37	37	ug/Kg	02/05/15	CE	SW8081
Toxaphene	ND	150	150	ug/Kg	02/05/15	CE	SW8081
QA/QC Surrogates							
% DCBP	86			%	02/05/15	CE	30 - 150 %
% TCMX	81			%	02/05/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
QA/QC Surrogates							
% DCAA	65			%	02/10/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/07/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/07/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/07/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/07/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/07/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/07/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/07/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/07/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/07/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/07/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/07/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/07/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/07/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/07/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/07/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/07/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	89			%	02/07/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	75			%	02/07/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	56	56	mg/Kg	02/09/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	81			%	02/09/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/05/15	MH	SW8260
Benzene	ND	25	25	ug/L	02/05/15	MH	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/05/15	MH	SW8260
Chlorobenzene	ND	25	25	ug/L	02/05/15	MH	SW8260
Chloroform	ND	25	25	ug/L	02/05/15	MH	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/05/15	MH	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
Trichloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
Vinyl chloride	ND	25	25	ug/L	02/05/15	MH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	103			%	02/05/15	MH	70 - 130 %
% Bromofluorobenzene	98			%	02/05/15	MH	70 - 130 %
% Dibromofluoromethane	102			%	02/05/15	MH	70 - 130 %
% Toluene-d8	100			%	02/05/15	MH	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	270	120	ug/Kg	02/05/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	270	130	ug/Kg	02/05/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	380	380	ug/Kg	02/05/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	270	180	ug/Kg	02/05/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	270	210	ug/Kg	02/05/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	02/05/15	DD	SW 8270
2,4-Dichlorophenol	ND	150	130	ug/Kg	02/05/15	DD	SW 8270
2,4-Dimethylphenol	ND	270	95	ug/Kg	02/05/15	DD	SW 8270
2,4-Dinitrophenol	ND	270	270	ug/Kg	02/05/15	DD	SW 8270
2,4-Dinitrotoluene	ND	150	150	ug/Kg	02/05/15	DD	SW 8270
2,6-Dinitrotoluene	ND	150	120	ug/Kg	02/05/15	DD	SW 8270
2-Chloronaphthalene	ND	270	110	ug/Kg	02/05/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: DUP WC 45 COMP

Phoenix I.D.: BH70569

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		270	110	ug/Kg	02/05/15	DD	SW 8270	
2-Methylnaphthalene	120	J	270	110	ug/Kg	02/05/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		270	180	ug/Kg	02/05/15	DD	SW 8270	
2-Nitroaniline	ND		1900	390	ug/Kg	02/05/15	DD	SW 8270	
2-Nitrophenol	ND		270	240	ug/Kg	02/05/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		270	150	ug/Kg	02/05/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		150	180	ug/Kg	02/05/15	DD	SW 8270	
3-Nitroaniline	ND		1900	830	ug/Kg	02/05/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		270	410	ug/Kg	02/05/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		270	110	ug/Kg	02/05/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		270	130	ug/Kg	02/05/15	DD	SW 8270	
4-Chloroaniline	ND		760	180	ug/Kg	02/05/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		270	130	ug/Kg	02/05/15	DD	SW 8270	
4-Nitroaniline	ND		1900	130	ug/Kg	02/05/15	DD	SW 8270	
4-Nitrophenol	ND		1900	170	ug/Kg	02/05/15	DD	SW 8270	
Acenaphthene	ND		270	120	ug/Kg	02/05/15	DD	SW 8270	
Acenaphthylene	ND		150	110	ug/Kg	02/05/15	DD	SW 8270	
Acetophenone	ND		270	120	ug/Kg	02/05/15	DD	SW 8270	
Anthracene	250	J	270	130	ug/Kg	02/05/15	DD	SW 8270	
Atrazine	ND		150	170	ug/Kg	02/05/15	DD	SW 8270	
Benz(a)anthracene	710		270	130	ug/Kg	02/05/15	DD	SW 8270	
Benzaldehyde	ND		270	110	ug/Kg	02/05/15	DD	SW 8270	
Benzidine	ND		570	570	ug/Kg	02/05/15	DD	SW 8270	
Benzo(a)pyrene	640		150	120	ug/Kg	02/05/15	DD	SW 8270	
Benzo(b)fluoranthene	930		270	130	ug/Kg	02/05/15	DD	SW 8270	
Benzo(ghi)perylene	350		270	120	ug/Kg	02/05/15	DD	SW 8270	
Benzo(k)fluoranthene	330		270	130	ug/Kg	02/05/15	DD	SW 8270	
Benzyl Alcohol	ND		380	380	ug/Kg	02/05/15	DD	SW 8270	
Benzyl butyl phthalate	ND		270	99	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		270	110	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		150	100	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		270	110	ug/Kg	02/05/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		270	110	ug/Kg	02/05/15	DD	SW 8270	
Caprolactam	ND		270	680	ug/Kg	02/05/15	DD	SW 8270	
Carbazole	ND		1900	290	ug/Kg	02/05/15	DD	SW 8270	
Chrysene	840		270	130	ug/Kg	02/05/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		150	120	ug/Kg	02/05/15	DD	SW 8270	
Dibenzofuran	ND		270	110	ug/Kg	02/05/15	DD	SW 8270	
Diethyl phthalate	ND		270	120	ug/Kg	02/05/15	DD	SW 8270	
Dimethylphthalate	ND		270	120	ug/Kg	02/05/15	DD	SW 8270	
Di-n-butylphthalate	ND		270	100	ug/Kg	02/05/15	DD	SW 8270	
Di-n-octylphthalate	ND		270	99	ug/Kg	02/05/15	DD	SW 8270	
Fluoranthene	1800		270	120	ug/Kg	02/05/15	DD	SW 8270	
Fluorene	130	J	270	130	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorobenzene	ND		150	110	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorobutadiene	ND		270	140	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		270	120	ug/Kg	02/05/15	DD	SW 8270	
Hexachloroethane	ND		150	110	ug/Kg	02/05/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	410		270	130	ug/Kg	02/05/15	DD	SW 8270	

Project ID: SW MARINE TRANSFER STATION
Client ID: DUP WC 45 COMP

Phoenix I.D.: BH70569

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND		150	110	ug/Kg	02/05/15	DD	SW 8270	
Naphthalene	130	J	270	110	ug/Kg	02/05/15	DD	SW 8270	
Nitrobenzene	ND		150	130	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodimethylamine	ND		270	110	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		150	120	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND		150	150	ug/Kg	02/05/15	DD	SW 8270	
Pentachlorophenol	ND		270	140	ug/Kg	02/05/15	DD	SW 8270	
Phenanthrene	1500		150	110	ug/Kg	02/05/15	DD	SW 8270	
Phenol	ND		270	120	ug/Kg	02/05/15	DD	SW 8270	
Pyrene	1400		270	130	ug/Kg	02/05/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	95				%	02/05/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	79				%	02/05/15	DD	30 - 130 %	
% 2-Fluorophenol	72				%	02/05/15	DD	30 - 130 %	
% Nitrobenzene-d5	95				%	02/05/15	DD	30 - 130 %	
% Phenol-d5	80				%	02/05/15	DD	30 - 130 %	
% Terphenyl-d14	73				%	02/05/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral									
1,4-Dichlorobenzene	ND		83	83	ug/L	02/06/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND		83	83	ug/L	02/06/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND		83	83	ug/L	02/06/15	DD	SW 8270	
2,4-Dinitrotoluene	ND		83	83	ug/L	02/06/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		83	83	ug/L	02/06/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND		83	83	ug/L	02/06/15	DD	SW 8270	
Hexachlorobenzene	ND		83	83	ug/L	02/06/15	DD	SW 8270	
Hexachlorobutadiene	ND		83	83	ug/L	02/06/15	DD	SW 8270	
Hexachloroethane	ND		83	83	ug/L	02/06/15	DD	SW 8270	
Nitrobenzene	ND		83	83	ug/L	02/06/15	DD	SW 8270	
Pentachlorophenol	ND		83	83	ug/L	02/06/15	DD	SW 8270	
Pyridine	ND		83	83	ug/L	02/06/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	87				%	02/06/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	70				%	02/06/15	DD	30 - 130 %	
% 2-Fluorophenol	53				%	02/06/15	DD	15 - 110 %	
% Nitrobenzene-d5	70				%	02/06/15	DD	30 - 130 %	
% Phenol-d5	47				%	02/06/15	DD	15 - 110 %	
% Terphenyl-d14	75				%	02/06/15	DD	30 - 130 %	
Aniline	ND		330		ug/Kg	02/05/15	DD	SW8270	
Benzoic Acid	ND		330		ug/Kg	02/05/15	DD	SW8270	1
Parathion	ND		5		ug/Kg	02/05/15	DD	SW8270	1

Project ID: SW MARINE TRANSFER STATION
Client ID: DUP WC 45 COMP

Phoenix I.D.: BH70569

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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 13, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 13, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/04/15	8:50
Location Code:	IMPACT	Received by:	SW	02/04/15	17:06
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70542
Phoenix ID: BH70570

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 44 1-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/04/15	I	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	240	48	ug/Kg	02/06/15	HM	SW8260
1,3,5-Trimethylbenzene	ND	240	48	ug/Kg	02/06/15	HM	SW8260
1,3-Dichlorobenzene	ND	240	48	ug/Kg	02/06/15	HM	SW8260
Naphthalene	ND	240	64	ug/Kg	02/06/15	HM	SW8260
n-Butylbenzene	ND	240	48	ug/Kg	02/06/15	HM	SW8260
n-Propylbenzene	ND	240	48	ug/Kg	02/06/15	HM	SW8260
p-Isopropyltoluene	ND	240	48	ug/Kg	02/06/15	HM	SW8260
sec-Butylbenzene	ND	240	48	ug/Kg	02/06/15	HM	SW8260
tert-Butylbenzene	ND	240	48	ug/Kg	02/06/15	HM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100			%	02/06/15	HM	SW8260
% Bromofluorobenzene	90			%	02/06/15	HM	SW8260
% Dibromofluoromethane	97			%	02/06/15	HM	SW8260
% Toluene-d8	100			%	02/06/15	HM	SW8260
1,4-dioxane							
1,4-dioxane	ND	48	48	ug/kg	02/06/15	HM	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	2.4	0.48	ug/Kg	02/06/15	HM	SW8260
1,1,1-Trichloroethane	ND	2.4	0.48	ug/Kg	02/06/15	HM	SW8260
1,1,2,2-Tetrachloroethane	ND	2.4	0.34	ug/Kg	02/06/15	HM	SW8260
1,1,2-Trichloroethane	ND	2.4	0.24	ug/Kg	02/06/15	HM	SW8260
1,1-Dichloroethane	ND	2.4	0.48	ug/Kg	02/06/15	HM	SW8260
1,1-Dichloroethene	ND	2.4	0.52	ug/Kg	02/06/15	HM	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 44 1-2

Phoenix I.D.: BH70570

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		240	32	ug/Kg	02/06/15	HM	SW8260
1,2,4-Trichlorobenzene	ND		240	28	ug/Kg	02/06/15	HM	SW8260
1,2-Dibromo-3-chloropropane	ND		80	64	ug/Kg	02/06/15	HM	SW8260
1,2-Dibromoethane	ND		2.4	0.64	ug/Kg	02/06/15	HM	SW8260
1,2-Dichlorobenzene	ND		240	26	ug/Kg	02/06/15	HM	SW8260
1,2-Dichloroethane	ND		2.4	0.21	ug/Kg	02/06/15	HM	SW8260
1,2-Dichloropropane	ND		2.4	0.34	ug/Kg	02/06/15	HM	SW8260
1,3-Dichlorobenzene	ND		240	35	ug/Kg	02/06/15	HM	SW8260
1,4-Dichlorobenzene	ND		240	38	ug/Kg	02/06/15	HM	SW8260
2-Hexanone	ND		12	1.1	ug/Kg	02/06/15	HM	SW8260
4-Methyl-2-pentanone	ND		12	0.57	ug/Kg	02/06/15	HM	SW8260
Acetone	ND		24	2.4	ug/Kg	02/06/15	HM	SW8260
Acrolein	ND		12	1.9	ug/Kg	02/06/15	HM	SW8260
Acrylonitrile	ND		4.8	1.3	ug/Kg	02/06/15	HM	SW8260
Benzene	ND		2.4	0.48	ug/Kg	02/06/15	HM	SW8260
Bromochloromethane	ND		2.4	0.35	ug/Kg	02/06/15	HM	SW8260
Bromodichloromethane	ND		2.4	0.30	ug/Kg	02/06/15	HM	SW8260
Bromoform	ND		2.4	0.34	ug/Kg	02/06/15	HM	SW8260
Bromomethane	ND		2.4	1.8	ug/Kg	02/06/15	HM	SW8260
Carbon Disulfide	ND		2.4	0.39	ug/Kg	02/06/15	HM	SW8260
Carbon tetrachloride	ND		2.4	0.28	ug/Kg	02/06/15	HM	SW8260
Chlorobenzene	ND		2.4	0.36	ug/Kg	02/06/15	HM	SW8260
Chloroethane	ND		2.4	0.56	ug/Kg	02/06/15	HM	SW8260
Chloroform	ND		2.4	0.44	ug/Kg	02/06/15	HM	SW8260
Chloromethane	ND		2.4	1.3	ug/Kg	02/06/15	HM	SW8260
cis-1,2-Dichloroethene	ND		2.4	0.52	ug/Kg	02/06/15	HM	SW8260
cis-1,3-Dichloropropene	ND		2.4	0.26	ug/Kg	02/06/15	HM	SW8260
Cyclohexane	ND		2.4	2.4	ug/Kg	02/06/15	HM	SW8260
Dibromochloromethane	ND		2.4	0.27	ug/Kg	02/06/15	HM	SW8260
Dichlorodifluoromethane	ND		2.4	0.64	ug/Kg	02/06/15	HM	SW8260
Ethylbenzene	ND		2.4	0.44	ug/Kg	02/06/15	HM	SW8260
Isopropylbenzene	ND		240	46	ug/Kg	02/06/15	HM	SW8260
m&p-Xylene	ND		2.4	0.95	ug/Kg	02/06/15	HM	SW8260
Methyl ethyl ketone	ND		14	2.1	ug/Kg	02/06/15	HM	SW8260
Methyl t-butyl ether (MTBE)	ND		4.8	0.66	ug/Kg	02/06/15	HM	SW8260
Methylacetate	ND		2.4	2.4	ug/Kg	02/06/15	HM	SW8260
Methylcyclohexane	ND		2.4	2.4	ug/Kg	02/06/15	HM	SW8260
Methylene chloride	0.72	JS	2.4	0.39	ug/Kg	02/06/15	HM	SW8260
o-Xylene	ND		2.4	0.92	ug/Kg	02/06/15	HM	SW8260
Styrene	ND		2.4	0.69	ug/Kg	02/06/15	HM	SW8260
tert-butyl alcohol	ND		48	48	ug/Kg	02/06/15	HM	SW8260
Tetrachloroethene	ND		2.4	0.50	ug/Kg	02/06/15	HM	SW8260
Toluene	ND		2.4	0.38	ug/Kg	02/06/15	HM	SW8260
Total Xylenes	ND		2.4	2.4	ug/Kg	02/06/15	HM	SW8260
trans-1,2-Dichloroethene	ND		2.4	0.48	ug/Kg	02/06/15	HM	SW8260
trans-1,3-Dichloropropene	ND		2.4	0.49	ug/Kg	02/06/15	HM	SW8260
Trichloroethene	ND		2.4	0.51	ug/Kg	02/06/15	HM	SW8260
Trichlorofluoromethane	ND		2.4	0.53	ug/Kg	02/06/15	HM	SW8260
Trichlorotrifluoroethane	ND		2.4	0.37	ug/Kg	02/06/15	HM	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 44 1-2

Phoenix I.D.: BH70570

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	2.4	0.78	ug/Kg	02/06/15	HM	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	02/06/15	HM	70 - 130 %	
% Bromofluorobenzene	88			%	02/06/15	HM	70 - 130 %	
% Dibromofluoromethane	107			%	02/06/15	HM	70 - 130 %	
% Toluene-d8	99			%	02/06/15	HM	70 - 130 %	
Vinyl Acetate	ND	24	24	ug/Kg	02/06/15	HM	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

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

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

Phyllis Shiller, Laboratory Director
February 13, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 13, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/04/15	8:50
Location Code:	IMPACT	Received by:	SW	02/04/15	17:06
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70542
Phoenix ID: BH70571

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 44 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.35	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Aluminum	2470	53	7.0	mg/Kg	02/05/15	LK	SW6010	
Arsenic	3.1	0.7	0.70	mg/Kg	02/05/15	LK	SW6010	
Barium	128	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Beryllium	< 0.28	0.28	0.14	mg/Kg	02/05/15	LK	SW6010	
Calcium	4060	5.3	3.2	mg/Kg	02/05/15	LK	SW6010	B
Cadmium	0.64	0.35	0.14	mg/Kg	02/05/15	LK	SW6010	
Cobalt	2.34	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Chromium	10.7	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Copper	73.1	0.35	0.35	mg/kg	02/05/15	LK	SW6010	
Iron	7540	5.3	3.5	mg/Kg	02/05/15	LK	SW6010	
Mercury	0.48	0.03	0.02	mg/Kg	02/05/15	RS	SW-7471	
Potassium	450	5.3	2.7	mg/Kg	02/05/15	LK	SW6010	
Magnesium	1530	5.3	3.5	mg/Kg	02/05/15	LK	SW6010	
Manganese	101	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Sodium	91.3	5.3	3.0	mg/Kg	02/05/15	LK	SW6010	
Nickel	9.81	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Lead	253	3.5	3.5	mg/Kg	02/05/15	LK	SW6010	
Antimony	< 3.5	3.5	1.8	mg/Kg	02/05/15	LK	SW6010	
Selenium	< 1.4	1.4	1.2	mg/Kg	02/05/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/05/15	EK	SW6010	
TCLP Barium	1.43	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/05/15	EK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/05/15	RS	SW7470	
TCLP Lead	4.89	0.10	0.010	mg/L	02/05/15	EK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/05/15	EK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 44 COMP

Phoenix I.D.: BH70571

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.2	3.2	1.4	mg/Kg	02/05/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/05/15	I/I	SW3005	
Trivalent Chromium	10.7	0.50		mg/kg	02/05/15	CL	Calculation	
Vanadium	9.11	0.35	0.35	mg/Kg	02/05/15	LK	SW6010	
Zinc	236	3.5	3.5	mg/Kg	02/05/15	LK	SW6010	
Percent Solid	89			%	02/04/15	I	SW846	
Corrosivity	Negative			Pos/Neg	02/04/15	O/EG	SW846	1
Flash Point	>200	200		degree F	02/06/15	Y	SW1010	
Chromium, Hexavalent	< 0.45	0.45	0.45	mg/Kg	02/05/15 14:55	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/06/15	Y	SW846	1
pH - Soil	9.03	0.10		pH Units	02/04/15 20:00	O/EG	4500-H B/9045	1
Reactivity Cyanide	< 5.6	5.6	0.028	mg/Kg	02/05/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/05/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/05/15	EG	SW 846-7.3	1
Redox Potential	126	1.0		mV	02/04/15	O/EG	SM2580B	1
Total Cyanide	< 0.47	0.47	0.23	mg/Kg	02/05/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				02/04/15	BC/H	SW3545	
Soil Extraction for Pesticide	Completed				02/04/15	BC	SW3545	
Soil Extraction for SVOA	Completed				02/04/15	BJ/VH	SW3545	
Mercury Digestion	Completed				02/05/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/05/15	P/D	SW8151	
TCLP Digestion Mercury	Completed				02/05/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/05/15	F/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				02/04/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				02/04/15	I	1311	
TCLP Pesticides Extraction	Completed				02/05/15	T	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/05/15	L	SW3510	
TCLP Extraction Volatiles	Completed				02/04/15	Y	EPA 1311	
Total Metals Digest	Completed				02/04/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				02/04/15	BC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	46	46	ug/Kg	02/06/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	46	46	ug/Kg	02/06/15	BB	SW8151	
2,4-D	ND	46	46	ug/Kg	02/06/15	BB	SW8151	
2,4-DB	ND	460	460	ug/Kg	02/06/15	BB	SW8151	
Dalapon	ND	46	46	ug/Kg	02/06/15	BB	SW8151	
Dicamba	ND	92	92	ug/Kg	02/06/15	BB	SW8151	
Dichloroprop	ND	46	46	ug/Kg	02/06/15	BB	SW8151	
Dinoseb	ND	92	92	ug/Kg	02/06/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	64			%	02/06/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	73	73	ug/Kg	02/05/15	AW	SW 8082	
PCB-1221	ND	73	73	ug/Kg	02/05/15	AW	SW 8082	
PCB-1232	ND	73	73	ug/Kg	02/05/15	AW	SW 8082	
PCB-1242	ND	73	73	ug/Kg	02/05/15	AW	SW 8082	
PCB-1248	ND	73	73	ug/Kg	02/05/15	AW	SW 8082	
PCB-1254	ND	73	73	ug/Kg	02/05/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 44 COMP

Phoenix I.D.: BH70571

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	73	73	ug/Kg	02/05/15	AW	SW 8082
PCB-1262	ND	73	73	ug/Kg	02/05/15	AW	SW 8082
PCB-1268	ND	73	73	ug/Kg	02/05/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	70			%	02/05/15	AW	30 - 150 %
% TCMX	75			%	02/05/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.2	2.2	ug/Kg	02/05/15	CE	SW8081
4,4' -DDE	ND	2.2	2.2	ug/Kg	02/05/15	CE	SW8081
4,4' -DDT	ND	2.2	2.2	ug/Kg	02/05/15	CE	SW8081
a-BHC	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	02/05/15	CE	SW8081
Aldrin	ND	3.6	3.6	ug/Kg	02/05/15	CE	SW8081
b-BHC	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Chlordane	ND	36	36	ug/Kg	02/05/15	CE	SW8081
d-BHC	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Dieldrin	ND	3.6	3.6	ug/Kg	02/05/15	CE	SW8081
Endosulfan I	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Endosulfan II	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Endosulfan sulfate	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Endrin	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Endrin aldehyde	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Endrin ketone	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
g-BHC	ND	1.5	1.5	ug/Kg	02/05/15	CE	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	02/05/15	CE	SW8081
Heptachlor	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Heptachlor epoxide	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Methoxychlor	ND	36	36	ug/Kg	02/05/15	CE	SW8081
Toxaphene	ND	150	150	ug/Kg	02/05/15	CE	SW8081
QA/QC Surrogates							
% DCBP	87			%	02/05/15	CE	30 - 150 %
% TCMX	83			%	02/05/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
QA/QC Surrogates							
% DCAA	57			%	02/10/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/07/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/07/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/07/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/07/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/07/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/07/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/07/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/07/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/07/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/07/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/07/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/07/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/07/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/07/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/07/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/07/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/07/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	88			%	02/07/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	76			%	02/07/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	55	55	mg/Kg	02/09/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	101			%	02/09/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/05/15	MH	SW8260
Benzene	ND	25	25	ug/L	02/05/15	MH	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/05/15	MH	SW8260
Chlorobenzene	ND	25	25	ug/L	02/05/15	MH	SW8260
Chloroform	ND	25	25	ug/L	02/05/15	MH	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/05/15	MH	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
Trichloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
Vinyl chloride	ND	25	25	ug/L	02/05/15	MH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100			%	02/05/15	MH	70 - 130 %
% Bromofluorobenzene	98			%	02/05/15	MH	70 - 130 %
% Dibromofluoromethane	100			%	02/05/15	MH	70 - 130 %
% Toluene-d8	99			%	02/05/15	MH	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	260	110	ug/Kg	02/05/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	02/05/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	370	370	ug/Kg	02/05/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	260	180	ug/Kg	02/05/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	210	ug/Kg	02/05/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	02/05/15	DD	SW 8270
2,4-Dichlorophenol	ND	150	130	ug/Kg	02/05/15	DD	SW 8270
2,4-Dimethylphenol	ND	260	93	ug/Kg	02/05/15	DD	SW 8270
2,4-Dinitrophenol	ND	260	260	ug/Kg	02/05/15	DD	SW 8270
2,4-Dinitrotoluene	ND	150	150	ug/Kg	02/05/15	DD	SW 8270
2,6-Dinitrotoluene	ND	150	120	ug/Kg	02/05/15	DD	SW 8270
2-Chloronaphthalene	ND	260	110	ug/Kg	02/05/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 44 COMP

Phoenix I.D.: BH70571

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND	260	110	ug/Kg	02/05/15	DD	SW 8270	
2-Methylnaphthalene	ND	260	110	ug/Kg	02/05/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	260	180	ug/Kg	02/05/15	DD	SW 8270	
2-Nitroaniline	ND	1900	380	ug/Kg	02/05/15	DD	SW 8270	
2-Nitrophenol	ND	260	240	ug/Kg	02/05/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	02/05/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	150	180	ug/Kg	02/05/15	DD	SW 8270	
3-Nitroaniline	ND	1900	810	ug/Kg	02/05/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	260	400	ug/Kg	02/05/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	02/05/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	02/05/15	DD	SW 8270	
4-Chloroaniline	ND	750	170	ug/Kg	02/05/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	260	130	ug/Kg	02/05/15	DD	SW 8270	
4-Nitroaniline	ND	1900	130	ug/Kg	02/05/15	DD	SW 8270	
4-Nitrophenol	ND	1900	170	ug/Kg	02/05/15	DD	SW 8270	
Acenaphthene	ND	260	110	ug/Kg	02/05/15	DD	SW 8270	
Acenaphthylene	ND	150	100	ug/Kg	02/05/15	DD	SW 8270	
Acetophenone	ND	260	120	ug/Kg	02/05/15	DD	SW 8270	
Anthracene	300	260	120	ug/Kg	02/05/15	DD	SW 8270	
Atrazine	ND	150	170	ug/Kg	02/05/15	DD	SW 8270	
Benz(a)anthracene	830	260	130	ug/Kg	02/05/15	DD	SW 8270	
Benzaldehyde	ND	260	110	ug/Kg	02/05/15	DD	SW 8270	
Benzidine	ND	560	560	ug/Kg	02/05/15	DD	SW 8270	
Benzo(a)pyrene	780	150	120	ug/Kg	02/05/15	DD	SW 8270	
Benzo(b)fluoranthene	1100	260	130	ug/Kg	02/05/15	DD	SW 8270	
Benzo(ghi)perylene	390	260	120	ug/Kg	02/05/15	DD	SW 8270	
Benzo(k)fluoranthene	380	260	120	ug/Kg	02/05/15	DD	SW 8270	
Benzyl Alcohol	ND	370	370	ug/Kg	02/05/15	DD	SW 8270	
Benzyl butyl phthalate	ND	260	97	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	150	100	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	02/05/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	02/05/15	DD	SW 8270	
Caprolactam	ND	260	670	ug/Kg	02/05/15	DD	SW 8270	
Carbazole	ND	1900	280	ug/Kg	02/05/15	DD	SW 8270	
Chrysene	910	260	130	ug/Kg	02/05/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND	150	120	ug/Kg	02/05/15	DD	SW 8270	
Dibenzofuran	ND	260	110	ug/Kg	02/05/15	DD	SW 8270	
Diethyl phthalate	ND	260	120	ug/Kg	02/05/15	DD	SW 8270	
Dimethylphthalate	ND	260	120	ug/Kg	02/05/15	DD	SW 8270	
Di-n-butylphthalate	ND	260	100	ug/Kg	02/05/15	DD	SW 8270	
Di-n-octylphthalate	ND	260	97	ug/Kg	02/05/15	DD	SW 8270	
Fluoranthene	1500	260	120	ug/Kg	02/05/15	DD	SW 8270	
Fluorene	ND	260	120	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorobenzene	ND	150	110	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorobutadiene	ND	260	140	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	02/05/15	DD	SW 8270	
Hexachloroethane	ND	150	110	ug/Kg	02/05/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	440	260	120	ug/Kg	02/05/15	DD	SW 8270	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 44 COMP

Phoenix I.D.: BH70571

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND	150	100	ug/Kg	02/05/15	DD	SW 8270	
Naphthalene	ND	260	110	ug/Kg	02/05/15	DD	SW 8270	
Nitrobenzene	ND	150	130	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodimethylamine	ND	260	110	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	150	120	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND	150	140	ug/Kg	02/05/15	DD	SW 8270	
Pentachlorophenol	ND	260	140	ug/Kg	02/05/15	DD	SW 8270	
Phenanthrene	960	150	110	ug/Kg	02/05/15	DD	SW 8270	
Phenol	ND	260	120	ug/Kg	02/05/15	DD	SW 8270	
Pyrene	1400	260	130	ug/Kg	02/05/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	99			%	02/05/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	80			%	02/05/15	DD	30 - 130 %	
% 2-Fluorophenol	72			%	02/05/15	DD	30 - 130 %	
% Nitrobenzene-d5	93			%	02/05/15	DD	30 - 130 %	
% Phenol-d5	80			%	02/05/15	DD	30 - 130 %	
% Terphenyl-d14	76			%	02/05/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral								
1,4-Dichlorobenzene	ND	83	83	ug/L	02/06/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND	83	83	ug/L	02/06/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND	83	83	ug/L	02/06/15	DD	SW 8270	
2,4-Dinitrotoluene	ND	83	83	ug/L	02/06/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	83	83	ug/L	02/06/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND	83	83	ug/L	02/06/15	DD	SW 8270	
Hexachlorobenzene	ND	83	83	ug/L	02/06/15	DD	SW 8270	
Hexachlorobutadiene	ND	83	83	ug/L	02/06/15	DD	SW 8270	
Hexachloroethane	ND	83	83	ug/L	02/06/15	DD	SW 8270	
Nitrobenzene	ND	83	83	ug/L	02/06/15	DD	SW 8270	
Pentachlorophenol	ND	83	83	ug/L	02/06/15	DD	SW 8270	
Pyridine	ND	83	83	ug/L	02/06/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	93			%	02/06/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	76			%	02/06/15	DD	30 - 130 %	
% 2-Fluorophenol	59			%	02/06/15	DD	15 - 110 %	
% Nitrobenzene-d5	79			%	02/06/15	DD	30 - 130 %	
% Phenol-d5	50			%	02/06/15	DD	15 - 110 %	
% Terphenyl-d14	78			%	02/06/15	DD	30 - 130 %	
Aniline	ND	330		ug/Kg	02/05/15	DD	SW8270	
Benzoic Acid	ND	330		ug/Kg	02/05/15	DD	SW8270	1
Parathion	ND	5		ug/Kg	02/05/15	DD	SW8270	1

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 44 COMP

Phoenix I.D.: BH70571

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

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

Comments:

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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 13, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

February 13, 2015

QA/QC Data

SDG I.D.: GBH70542

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 298622, QC Sample No: BH69803 (BH70543, BH70545, BH70547, BH70549)													
ICP Metals - TCLP Extraction													
Arsenic	BRL	<0.10	<0.10	NC	108	115	6.3	102	104	1.9	75 - 125	20	
Barium	BRL	1.08	1.46	29.9	98.5	105	6.4	102	103	1.0	75 - 125	20	r
Cadmium	BRL	<0.050	<0.050	NC	104	112	7.4	103	105	1.9	75 - 125	20	
Chromium	BRL	<0.10	<0.10	NC	102	110	7.5	101	103	2.0	75 - 125	20	
Lead	BRL	0.62	0.85	31.3	103	110	6.6	101	104	2.9	75 - 125	20	r
Selenium	BRL	<0.10	<0.10	NC	113	121	6.8	104	106	1.9	75 - 125	20	
Silver	BRL	<0.10	<0.10	NC	113	121	6.8	106	109	2.8	75 - 125	20	
QA/QC Batch 298576, QC Sample No: BH69896 (BH70543, BH70545, BH70547, BH70549, BH70551, BH70553, BH70555, BH70559, BH70561, BH70563, BH70565, BH70567, BH70569, BH70571)													
ICP Metals - Soil													
Aluminum	BRL	20800	19900	4.40	100	102	2.0	NC	NC	NC	75 - 125	30	
Antimony	BRL	<4.5	<4.0	NC	109	114	4.5	80.1	78.0	2.7	75 - 125	30	
Arsenic	BRL	7.4	4.50	48.7	103	107	3.8	92.7	90.7	2.2	75 - 125	30	r
Barium	BRL	140	118	17.1	112	117	4.4	82.4	93.2	12.3	75 - 125	30	
Beryllium	BRL	0.77	0.76	NC	102	106	3.8	96.3	94.8	1.6	75 - 125	30	
Cadmium	BRL	<0.45	<0.40	NC	94.1	98.1	4.2	92.5	90.9	1.7	75 - 125	30	
Calcium	7.6	2230	2020	9.90	105	105	0.0	NC	NC	NC	75 - 125	30	
Chromium	BRL	32.3	29.2	10.1	107	110	2.8	95.8	97.0	1.2	75 - 125	30	
Cobalt	BRL	16.2	15.8	2.50	92.1	95.0	3.1	95.9	95.8	0.1	75 - 125	30	
Copper	BRL	25.9	22.0	16.3	97.0	102	5.0	103	103	0.0	75 - 125	30	
Iron	BRL	30800	28800	6.70	90.1	95.0	5.3	NC	NC	NC	75 - 125	30	
Lead	BRL	11.4	11.7	2.60	94.6	99.0	4.5	95.9	94.1	1.9	75 - 125	30	
Magnesium	BRL	7650	6490	16.4	100	104	3.9	NC	NC	NC	75 - 125	30	
Manganese	BRL	673	827	20.5	110	114	3.6	42.4	31.2	30.4	75 - 125	30	m
Nickel	BRL	28.8	23.9	18.6	105	108	2.8	91.4	91.8	0.4	75 - 125	30	
Potassium	BRL	4520	3980	12.7	106	110	3.7	NC	NC	NC	75 - 125	30	
Selenium	BRL	<1.8	<1.6	NC	95.3	98.7	3.5	85.6	84.2	1.6	75 - 125	30	
Silver	BRL	<0.45	<0.40	NC	108	114	5.4	105	103	1.9	75 - 125	30	
Sodium	BRL	245	191	24.8	112	117	4.4	105	110	4.7	75 - 125	30	
Thallium	BRL	<4.0	<3.6	NC	103	108	4.7	95.8	93.8	2.1	75 - 125	30	
Vanadium	BRL	46.5	44.9	3.50	113	117	3.5	97.0	99.7	2.7	75 - 125	30	
Zinc	BRL	62.9	56.5	10.7	93.3	97.7	4.6	86.7	90.3	4.1	75 - 125	30	
QA/QC Batch 298623, QC Sample No: BH70038 (BH70551, BH70553, BH70555, BH70559, BH70561, BH70563, BH70565, BH70567, BH70569, BH70571)													
ICP Metals - TCLP Extraction													
Arsenic	BRL	<0.10	<0.10	NC	109	109	0.0	103	103	0.0	75 - 125	20	
Barium	BRL	0.21	0.19	NC	98.5	99.5	1.0	100	101	1.0	75 - 125	20	
Cadmium	BRL	<0.050	<0.050	NC	105	106	0.9	103	103	0.0	75 - 125	20	
Chromium	BRL	<0.10	<0.10	NC	102	103	1.0	102	102	0.0	75 - 125	20	
Lead	BRL	<0.10	<0.10	NC	103	104	1.0	101	102	1.0	75 - 125	20	

QA/QC Data

SDG I.D.: GBH70542

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Selenium	BRL	<0.10	<0.10	NC	113	114	0.9	105	105	0.0	75 - 125	20	
Silver	BRL	<0.10	<0.10	NC	113	114	0.9	108	108	0.0	75 - 125	20	
QA/QC Batch 298621, QC Sample No: BH70543 (BH70543, BH70545, BH70547, BH70549, BH70551, BH70553, BH70555, BH70557, BH70559, BH70561, BH70563, BH70565, BH70567, BH70569, BH70571)													
Mercury - Water	BRL	<0.0002	<0.0002	NC	105	104	1.0	104	105	1.0	70 - 130	20	
Comment:													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.													
QA/QC Batch 298690, QC Sample No: BH70555 (BH70543, BH70545, BH70547, BH70549, BH70551, BH70553, BH70555, BH70557, BH70559, BH70561, BH70563, BH70565, BH70567, BH70569, BH70571)													
Hex Chromium - Solid													
Hexavalent Cr	BRL	0.560	0.510	NC	98.7						70 - 130	30	
Insoluble Cr					97.5			102			70 - 130	30	
Soluble Cr					91.7			97.5			70 - 130	30	
QA/QC Batch 298619, QC Sample No: BH70567 (BH70543, BH70545, BH70547, BH70549, BH70551, BH70553, BH70555, BH70557, BH70559, BH70561, BH70563, BH70565, BH70567, BH70569, BH70571)													
Mercury - Soil	BRL	0.53	0.43	20.8	106	105	0.9	77.9			70 - 130	30	
Comment:													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.													
QA/QC Batch 298892, QC Sample No: BH71251 (BH70557)													
ICP Metals - TCLP Extraction													
Arsenic	BRL	<0.01	<0.01	NC	108	113	4.5	117	124	5.8	75 - 125	20	
Barium	0.02	0.15	0.15	0	97.6	98.6	1.0	96.2	101	4.9	75 - 125	20	
Cadmium	BRL	0.003	0.002	NC	102	105	2.9	104	107	2.8	75 - 125	20	
Chromium	BRL	0.006	0.006	NC	102	105	2.9	104	107	2.8	75 - 125	20	
Lead	BRL	0.004	0.002	NC	104	106	1.9	106	111	4.6	75 - 125	20	
Selenium	BRL	<0.01	<0.01	NC	112	115	2.6	119	126	5.7	75 - 125	20	m
Silver	BRL	<0.010	<0.010	NC	109	112	2.7	117	119	1.7	75 - 125	20	
QA/QC Batch 299194, QC Sample No: BH72850 (BH70557)													
ICP Metals - Soil													
Aluminum	BRL	9430	9900	4.90	106	114	7.3	NC	NC	NC	75 - 125	30	
Antimony	BRL	<3.5	<3.2	NC	112	121	7.7	86.3	90.2	4.4	75 - 125	30	
Arsenic	BRL	<0.7	4.48	NC	99.8	115	14.2	92.0	95.3	3.5	75 - 125	30	
Barium	BRL	469	516	9.50	106	123	14.8	102	>130	NC	75 - 125	30	m
Beryllium	BRL	<0.28	<0.26	NC	98.2	111	12.2	93.9	97.5	3.8	75 - 125	30	
Cadmium	BRL	18.9	21.5	12.9	94.9	104	9.2	92.0	99.1	7.4	75 - 125	30	
Calcium	BRL	10800	11300	4.50	102	113	10.2	NC	NC	NC	75 - 125	30	
Chromium	BRL	28.8	31.7	9.60	105	116	10.0	95.4	98.6	3.3	75 - 125	30	
Cobalt	BRL	17.2	16.5	4.20	86.6	95.5	9.8	93.4	97.7	4.5	75 - 125	30	
Copper	BRL	455	547	18.4	96.2	103	6.8	113	>130	NC	75 - 125	30	m
Iron	BRL	18900	21200	11.5	91.5	104	12.8	NC	NC	NC	75 - 125	30	
Lead	BRL	710	792	10.9	92.3	104	11.9	88.2	>130	NC	75 - 125	30	m
Magnesium	BRL	6030	6120	1.50	104	116	10.9	NC	NC	NC	75 - 125	30	
Manganese	BRL	273	296	8.10	107	119	10.6	99.6	>130	NC	75 - 125	30	m
Nickel	BRL	17.6	21.9	21.8	101	110	8.5	94.2	97.7	3.6	75 - 125	30	
Potassium	BRL	2860	2680	6.50	105	117	10.8	79.8	>130	NC	75 - 125	30	m
Selenium	BRL	<1.4	1.7	NC	95.4	109	13.3	86.4	89.1	3.1	75 - 125	30	
Silver	BRL	1.12	1.34	NC	98.1	118	18.4	99.5	103	3.5	75 - 125	30	
Sodium	BRL	1100	1140	3.60	109	121	10.4	NC	NC	NC	75 - 125	30	
Thallium	BRL	<3.1	<2.9	NC	102	116	12.8	94.5	97.3	2.9	75 - 125	30	
Vanadium	BRL	44.0	40.5	8.30	109	120	9.6	92.7	99.9	7.5	75 - 125	30	
Zinc	BRL	337	497	38.4	92.8	103	10.4	98.2	>130	NC	75 - 125	30	m,r

QA/QC Data

SDG I.D.: GBH70542

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits

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

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

February 13, 2015

QA/QC Data

SDG I.D.: GBH70542

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 298618, QC Sample No: BH69817 (BH70543, BH70545, BH70547, BH70549, BH70551, BH70553, BH70555, BH70557, BH70559, BH70561, BH70563, BH70565, BH70567, BH70569)												
Flash Point		>200	>200	NC	100						85 - 115	30
QA/QC Batch 298625, QC Sample No: BH70512 (BH70543, BH70545, BH70547, BH70549, BH70551, BH70553, BH70555, BH70557, BH70559, BH70561, BH70563, BH70565, BH70567, BH70569)												
pH - Soil		4.78	4.95	3.50	99.3						85 - 115	20
QA/QC Batch 298729, QC Sample No: BH70545 (BH70543, BH70545, BH70547, BH70549, BH70551, BH70553, BH70555, BH70557, BH70559, BH70561, BH70563, BH70565, BH70567, BH70569, BH70571)												
Total Cyanide	BRL	<0.56	<0.51	NC	89.7			94.0			85 - 115	30
QA/QC Batch 298617, QC Sample No: BH70553 (BH70543, BH70545, BH70547, BH70549, BH70551, BH70553, BH70555, BH70557, BH70559, BH70561, BH70563, BH70565, BH70567, BH70569, BH70571)												
Reactivity Cyanide	BRL	<5.6	<5.5	NC	98.4						85 - 115	30
QA/QC Batch 298750, QC Sample No: BH70632 (BH70571)												
Flash Point		>200	>200	NC	101						85 - 115	30
QA/QC Batch 298626, QC Sample No: BH70632 (BH70571)												
pH - Soil		6.14	6.08	1.00	99.3						85 - 115	20

PHOENIX

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QA/QC Report

February 13, 2015

QA/QC Data

SDG I.D.: GBH70542

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 298657, QC Sample No: BH69460 (BH70567, BH70569, BH70571)										
Chlorinated Herbicides										
2,4,5-TP (Silvex)	ND	79	78	1.3				40 - 140	20	
2,4-D	ND	66	62	6.3				40 - 140	20	
% DCAA (Surrogate Rec)	70	54	40	29.8				30 - 150	20	r
Comment:										
The LCSD recovered low for surrogate, but passed for the spiked compounds										
QA/QC Batch 298586, QC Sample No: BH69801 (BH70543, BH70545, BH70547, BH70549, BH70551, BH70553)										
Semivolatiles										
1,4-Dichlorobenzene	ND	62	63	1.6				30 - 130	20	
2,4,5-Trichlorophenol	ND	95	97	2.1				30 - 130	20	
2,4,6-Trichlorophenol	ND	93	93	0.0				30 - 130	20	
2,4-Dinitrotoluene	ND	87	92	5.6				30 - 130	20	
2-Methylphenol (o-cresol)	ND	80	82	2.5				30 - 130	20	
3&4-Methylphenol (m&p-cresol)	ND	78	81	3.8				30 - 130	20	
Hexachlorobenzene	ND	93	93	0.0				30 - 130	20	
Hexachlorobutadiene	ND	65	65	0.0				30 - 130	20	
Hexachloroethane	ND	61	61	0.0				30 - 130	20	
Nitrobenzene	ND	83	86	3.6				30 - 130	20	
Pentachlorophenol	ND	93	94	1.1				30 - 130	20	
Pyridine	ND	32	33	3.1				30 - 130	20	
% 2,4,6-Tribromophenol	94	98	101	3.0				15 - 110	20	
% 2-Fluorobiphenyl	72	75	75	0.0				30 - 130	20	
% 2-Fluorophenol	62	58	59	1.7				15 - 110	20	
% Nitrobenzene-d5	80	79	81	2.5				30 - 130	20	
% Phenol-d5	53	52	53	1.9				15 - 110	20	
% Terphenyl-d14	93	93	95	2.1				30 - 130	20	
Comment:										
A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.										
Additional 8270 criteria: 20% of compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 15-110%, for soils 30-130%)										
QA/QC Batch 298534, QC Sample No: BH69807 (BH70543, BH70545, BH70547, BH70549, BH70551, BH70553, BH70555, BH70557, BH70559, BH70561, BH70563, BH70565)										
Chlorinated Herbicides										
2,4,5-TP (Silvex)	ND	89	80	10.7				40 - 140	20	
2,4-D	ND	68	57	17.6				40 - 140	20	
% DCAA (Surrogate Rec)	52	77	66	15.4				30 - 150	20	
QA/QC Batch 298780, QC Sample No: BH69811 (BH70543 (5X) , BH70545 (5X) , BH70547 (5X) , BH70549 (5X))										
Volatiles - TCLP										
1,1-Dichloroethene	ND	130	94	32.1	85	81	4.8	70 - 130	30	r
1,2-Dichloroethane	ND	108	110	1.8	95	83	13.5	70 - 130	30	

QA/QC Data

SDG I.D.: GBH70542

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Benzene	ND	115	114	0.9	91	81	11.6	70 - 130	30
Carbon tetrachloride	ND	105	109	3.7	90	83	8.1	70 - 130	30
Chlorobenzene	ND	115	113	1.8	94	82	13.6	70 - 130	30
Chloroform	ND	109	111	1.8	96	84	13.3	70 - 130	30
Methyl ethyl ketone	ND	113	107	5.5	89	79	11.9	70 - 130	30
Tetrachloroethene	ND	117	112	4.4	89	80	10.7	70 - 130	30
Trichloroethene	ND	115	114	0.9	89	81	9.4	70 - 130	30
Vinyl chloride	ND	74	86	15.0	87	80	8.4	70 - 130	30
% 1,2-dichlorobenzene-d4	99	100	82	19.8	100	100	0.0	70 - 130	30
% Bromofluorobenzene	93	98	97	1.0	101	102	1.0	70 - 130	30
% Dibromofluoromethane	99	102	100	2.0	102	103	1.0	70 - 130	30
% Toluene-d8	101	94	100	6.2	100	100	0.0	70 - 130	30

Comment:

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

QA/QC Batch 298565, QC Sample No: BH69896 (BH70543)

Polychlorinated Biphenyls - Solid

PCB-1016	ND	87	91	4.5	89	90	1.1	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	94	93	1.1	87	87	0.0	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	84	90	89	1.1	82	80	2.5	30 - 150	30
% TCMX (Surrogate Rec)	85	95	98	3.1	91	93	2.2	30 - 150	30

QA/QC Batch 298713, QC Sample No: BH70545 (BH70543, BH70545, BH70547, BH70549, BH70551, BH70553, BH70555, BH70557, BH70559, BH70561, BH70563, BH70565, BH70567, BH70569, BH70571)

Pesticides

4,4' -DDD	ND	84	92	9.1				40 - 140	20
4,4' -DDE	ND	81	90	10.5				40 - 140	20
4,4' -DDT	ND	84	90	6.9				40 - 140	20
a-BHC	ND	79	87	9.6				40 - 140	20
a-Chlordane	ND	82	89	8.2				40 - 140	20
Alachlor	ND	NA	NA	NC				40 - 140	20
Aldrin	ND	75	83	10.1				40 - 140	20
b-BHC	ND	83	91	9.2				40 - 140	20
Chlordane	ND	82	90	9.3				40 - 140	20
d-BHC	ND	70	79	12.1				40 - 140	20
Dieldrin	ND	83	91	9.2				40 - 140	20
Endosulfan I	ND	83	91	9.2				40 - 140	20
Endosulfan II	ND	87	95	8.8				40 - 140	20
Endosulfan sulfate	ND	80	88	9.5				40 - 140	20
Endrin	ND	87	96	9.8				40 - 140	20
Endrin aldehyde	ND	89	96	7.6				40 - 140	20
g-BHC	ND	81	89	9.4				40 - 140	20
g-Chlordane	ND	82	90	9.3				40 - 140	20
Heptachlor	ND	79	88	10.8				40 - 140	20
Heptachlor epoxide	ND	83	90	8.1				40 - 140	20
Methoxychlor	ND	86	95	9.9				40 - 140	20
Toxaphene	ND	NA	NA	NC				40 - 140	20

QA/QC Data

SDG I.D.: GBH70542

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
% DCBP	97	85	92	7.9				40 - 150	20	
% TCMX	81	68	77	12.4				40 - 150	20	

QA/QC Batch 298566, QC Sample No: BH70553 (BH70543, BH70545, BH70547, BH70549, BH70551, BH70553, BH70555, BH70557, BH70559, BH70561, BH70563, BH70565, BH70567, BH70569, BH70571)

Pesticides - Solid

4,4' -DDD	ND	87	95	8.8	98	92	6.3	40 - 140	30	
4,4' -DDE	ND	97	105	7.9	110	103	6.6	40 - 140	30	
4,4' -DDT	ND	98	106	7.8	114	106	7.3	40 - 140	30	
a-BHC	ND	92	101	9.3	100	87	13.9	40 - 140	30	
a-Chlordane	ND	92	100	8.3	107	103	3.8	40 - 140	30	
Aldrin	ND	97	105	7.9	111	103	7.5	40 - 140	30	
b-BHC	ND	91	100	9.4	109	100	8.6	40 - 140	30	
Chlordane	ND	90	98	8.5	106	103	2.9	40 - 140	30	
d-BHC	ND	77	84	8.7	64	43	39.3	40 - 140	30	r
Dieldrin	ND	98	105	6.9	114	110	3.6	40 - 140	30	
Endosulfan I	ND	90	98	8.5	79	58	30.7	40 - 140	30	r
Endosulfan II	ND	86	96	11.0	83	59	33.8	40 - 140	30	r
Endosulfan sulfate	ND	64	72	11.8	82	80	2.5	40 - 140	30	
Endrin	ND	94	99	5.2	106	101	4.8	40 - 140	30	
Endrin aldehyde	ND	67	77	13.9	68	50	30.5	40 - 140	30	
Endrin ketone	ND	81	90	10.5	98	97	1.0	40 - 140	30	
g-BHC	ND	96	106	9.9	113	103	9.3	40 - 140	30	
g-Chlordane	ND	90	98	8.5	106	103	2.9	40 - 140	30	
Heptachlor	ND	89	96	7.6	105	100	4.9	40 - 140	30	
Heptachlor epoxide	ND	86	84	2.4	101	99	2.0	40 - 140	30	
Methoxychlor	ND	87	93	6.7	110	113	2.7	40 - 140	30	
Toxaphene	ND	NA	NA	NC	NA	NA	NC	40 - 140	30	
% DCBP	90	86	91	5.6	92	85	7.9	30 - 150	30	
% TCMX	83	81	85	4.8	87	83	4.7	30 - 150	30	

QA/QC Batch 298589, QC Sample No: BH70553 (BH70545, BH70547, BH70549, BH70551, BH70553, BH70555, BH70557, BH70559, BH70561, BH70563, BH70565, BH70567, BH70569, BH70571)

Polychlorinated Biphenyls - Solid

PCB-1016	ND	90	100	10.5	86	100	15.1	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	93	100	7.3	86	100	15.1	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	105	103	112	8.4	92	109	16.9	30 - 150	30
% TCMX (Surrogate Rec)	107	94	103	9.1	85	102	18.2	30 - 150	30

QA/QC Batch 298591, QC Sample No: BH70553 (BH70543, BH70545, BH70547, BH70549, BH70551, BH70553, BH70555, BH70557, BH70559, BH70561, BH70563, BH70565, BH70567, BH70569, BH70571)

TPH by GC (Extractable Products) - Solid

Ext. Petroleum HC	ND	87	85	2.3	82	86	4.8	60 - 120	30
% n-Pentacosane	92	85	85	0.0	84	87	3.5	50 - 150	30

QA/QC Data

SDG I.D.: GBH70542

QA/QC Batch 298567, QC Sample No: BH70553 (BH70543, BH70545, BH70547, BH70549, BH70551, BH70553, BH70555, BH70557, BH70559, BH70561, BH70563, BH70565)

Semivolatiles - Solid

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,1-Biphenyl	ND	86	86	0.0	85	83	2.4	30 - 130	30	
1,2,4,5-Tetrachlorobenzene	ND	86	88	2.3	88	84	4.7	30 - 130	30	
1,2-Diphenylhydrazine	ND	101	103	2.0	101	98	3.0	30 - 130	30	
2,3,4,6-tetrachlorophenol	ND	108	107	0.9	50	62	21.4	30 - 130	30	
2,4,5-Trichlorophenol	ND	109	108	0.9	81	84	3.6	30 - 130	30	
2,4,6-Trichlorophenol	ND	103	104	1.0	57	68	17.6	30 - 130	30	
2,4-Dichlorophenol	ND	94	97	3.1	89	84	5.8	30 - 130	30	
2,4-Dimethylphenol	ND	95	96	1.0	106	101	4.8	30 - 130	30	
2,4-Dinitrophenol	ND	54	47	13.9	<10	<10	NC	30 - 130	30	m
2,4-Dinitrotoluene	ND	100	102	2.0	101	97	4.0	30 - 130	30	
2,6-Dinitrotoluene	ND	96	98	2.1	97	94	3.1	30 - 130	30	
2-Chloronaphthalene	ND	90	89	1.1	89	86	3.4	30 - 130	30	
2-Chlorophenol	ND	87	90	3.4	86	80	7.2	30 - 130	30	
2-Methylnaphthalene	ND	86	89	3.4	88	84	4.7	30 - 130	30	
2-Methylphenol (o-cresol)	ND	94	98	4.2	100	94	6.2	30 - 130	30	
2-Nitroaniline	ND	102	96	6.1	112	100	11.3	30 - 130	30	
2-Nitrophenol	ND	97	100	3.0	69	72	4.3	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	91	94	3.2	97	89	8.6	30 - 130	30	
3,3'-Dichlorobenzidine	ND	71	70	1.4	84	81	3.6	30 - 130	30	
3-Nitroaniline	ND	92	95	3.2	91	84	8.0	30 - 130	30	
4,6-Dinitro-2-methylphenol	ND	87	81	7.1	13	14	7.4	30 - 130	30	m
4-Bromophenyl phenyl ether	ND	95	95	0.0	92	89	3.3	30 - 130	30	
4-Chloro-3-methylphenol	ND	102	107	4.8	109	102	6.6	30 - 130	30	
4-Chloroaniline	ND	81	83	2.4	80	73	9.2	30 - 130	30	
4-Chlorophenyl phenyl ether	ND	92	91	1.1	91	89	2.2	30 - 130	30	
4-Nitroaniline	ND	102	104	1.9	107	101	5.8	30 - 130	30	
4-Nitrophenol	ND	118	125	5.8	<10	<10	NC	30 - 130	30	m
Acenaphthene	ND	90	90	0.0	91	89	2.2	30 - 130	30	
Acenaphthylene	ND	85	86	1.2	86	83	3.6	30 - 130	30	
Acetophenone	ND	91	95	4.3	94	88	6.6	30 - 130	30	
Anthracene	ND	91	93	2.2	92	91	1.1	30 - 130	30	
Atrazine	ND	95	98	3.1	93	91	2.2	30 - 130	30	
Benz(a)anthracene	ND	96	95	1.0	100	97	3.0	30 - 130	30	
Benzaldehyde	ND	46	44	4.4	53	48	9.9	30 - 130	30	
Benzidine	ND	46	28	48.6	32	38	17.1	30 - 130	30	l,r
Benzo(a)pyrene	ND	93	94	1.1	94	92	2.2	30 - 130	30	
Benzo(b)fluoranthene	ND	95	97	2.1	101	99	2.0	30 - 130	30	
Benzo(ghi)perylene	ND	112	111	0.9	111	96	14.5	30 - 130	30	
Benzo(k)fluoranthene	ND	87	90	3.4	86	88	2.3	30 - 130	30	
Benzyl Alcohol	ND	105	110	4.7	111	101	9.4	30 - 130	30	
Benzyl butyl phthalate	ND	98	103	5.0	104	99	4.9	30 - 130	30	
Bis(2-chloroethoxy)methane	ND	90	93	3.3	92	88	4.4	30 - 130	30	
Bis(2-chloroethyl)ether	ND	77	81	5.1	80	79	1.3	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	90	94	4.3	93	88	5.5	30 - 130	30	
Bis(2-ethylhexyl)phthalate	ND	95	99	4.1	101	98	3.0	30 - 130	30	
Caprolactam	ND	85	92	7.9	93	87	6.7	30 - 130	30	
Carbazole	ND	99	100	1.0	99	97	2.0	30 - 130	30	
Chrysene	ND	97	98	1.0	99	97	2.0	30 - 130	30	
Dibenz(a,h)anthracene	ND	107	105	1.9	109	90	19.1	30 - 130	30	

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Dibenzofuran	ND	96	97	1.0	97	94	3.1	30 - 130	30
Diethyl phthalate	ND	96	99	3.1	97	94	3.1	30 - 130	30
Dimethylphthalate	ND	93	95	2.1	94	91	3.2	30 - 130	30
Di-n-butylphthalate	ND	96	101	5.1	93	93	0.0	30 - 130	30
Di-n-octylphthalate	ND	96	98	2.1	98	93	5.2	30 - 130	30
Fluoranthene	ND	98	97	1.0	91	93	2.2	30 - 130	30
Fluorene	ND	92	91	1.1	95	91	4.3	30 - 130	30
Hexachlorobenzene	ND	97	99	2.0	95	93	2.1	30 - 130	30
Hexachlorobutadiene	ND	82	81	1.2	80	78	2.5	30 - 130	30
Hexachlorocyclopentadiene	ND	90	92	2.2	76	64	17.1	30 - 130	30
Hexachloroethane	ND	77	77	0.0	77	74	4.0	30 - 130	30
Indeno(1,2,3-cd)pyrene	ND	112	112	0.0	112	96	15.4	30 - 130	30
Isophorone	ND	87	90	3.4	89	84	5.8	30 - 130	30
Naphthalene	ND	84	84	0.0	83	81	2.4	30 - 130	30
Nitrobenzene	ND	86	90	4.5	90	85	5.7	30 - 130	30
N-Nitrosodimethylamine	ND	76	76	0.0	78	72	8.0	30 - 130	30
N-Nitrosodi-n-propylamine	ND	92	98	6.3	97	89	8.6	30 - 130	30
N-Nitrosodiphenylamine	ND	97	99	2.0	103	98	5.0	30 - 130	30
Pentachlorophenol	ND	107	108	0.9	54	61	12.2	30 - 130	30
Phenanthrene	ND	95	93	2.1	92	90	2.2	30 - 130	30
Phenol	ND	100	104	3.9	106	97	8.9	30 - 130	30
Pyrene	ND	100	98	2.0	91	96	5.3	30 - 130	30
% 2,4,6-Tribromophenol	107	101	106	4.8	67	65	3.0	30 - 130	30
% 2-Fluorobiphenyl	79	86	87	1.2	84	82	2.4	30 - 130	30
% 2-Fluorophenol	67	80	84	4.9	71	64	10.4	30 - 130	30
% Nitrobenzene-d5	84	84	89	5.8	87	83	4.7	30 - 130	30
% Phenol-d5	76	85	90	5.7	89	81	9.4	30 - 130	30
% Terphenyl-d14	87	99	98	1.0	90	95	5.4	30 - 130	30

Comment:

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

QA/QC Batch 298597, QC Sample No: BH70555 (BH70543, BH70545, BH70547, BH70549, BH70551, BH70553, BH70555, BH70557, BH70559, BH70561, BH70563, BH70565, BH70567)

Chlorinated Herbicides - Solid

2,4,5-T	ND	70	66	5.9	67	61	9.4	40 - 140	30
2,4,5-TP (Silvex)	ND	74	71	4.1	72	63	13.3	40 - 140	30
2,4-D	ND	67	53	23.3	63	67	6.2	40 - 140	30
2,4-DB	ND	79	73	7.9	72	64	11.8	40 - 140	30
Dalapon	ND	51	41	21.7	62	61	1.6	40 - 140	30
Dicamba	ND	84	75	11.3	72	66	8.7	40 - 140	30
Dichloroprop	ND	73	66	10.1	65	63	3.1	40 - 140	30
Dinoseb	ND	91	83	9.2	83	66	22.8	40 - 140	30
% DCAA (Surrogate Rec)	69	70	60	15.4	61	57	6.8	30 - 150	30

QA/QC Batch 298711, QC Sample No: BH70555 (BH70555, BH70557, BH70559, BH70561, BH70563, BH70565, BH70567, BH70569, BH70571)

Semivolatiles

1,4-Dichlorobenzene	ND	56	57	1.8				30 - 130	20
2,4,5-Trichlorophenol	ND	99	98	1.0				30 - 130	20
2,4,6-Trichlorophenol	ND	93	92	1.1				30 - 130	20
2,4-Dinitrotoluene	ND	92	91	1.1				30 - 130	20
2-Methylphenol (o-cresol)	ND	82	79	3.7				30 - 130	20
3&4-Methylphenol (m&p-cresol)	ND	78	79	1.3				30 - 130	20

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Hexachlorobenzene	ND	88	89	1.1				30 - 130	20	
Hexachlorobutadiene	ND	63	63	0.0				30 - 130	20	
Hexachloroethane	ND	57	58	1.7				30 - 130	20	
Nitrobenzene	ND	80	80	0.0				30 - 130	20	
Pentachlorophenol	ND	95	103	8.1				30 - 130	20	
Pyridine	ND	32	32	0.0				30 - 130	20	
% 2,4,6-Tribromophenol	74	92	92	0.0				15 - 110	20	
% 2-Fluorobiphenyl	44	65	63	3.1				30 - 130	20	
% 2-Fluorophenol	37	48	48	0.0				15 - 110	20	
% Nitrobenzene-d5	55	73	73	0.0				30 - 130	20	
% Phenol-d5	36	44	44	0.0				15 - 110	20	
% Terphenyl-d14	62	78	81	3.8				30 - 130	20	

Comment:

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

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

QA/QC Batch 298902, QC Sample No: BH70564 (BH70558, BH70560, BH70562, BH70564, BH70566, BH70568, BH70570)

Volatiles (TCL) - Solid

1,1,1,2-Tetrachloroethane	ND	105	98	6.9	101	102	1.0	70 - 130	30	
1,1,1-Trichloroethane	ND	103	90	13.5	97	102	5.0	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	103	96	7.0	96	96	0.0	70 - 130	30	
1,1,2-Trichloroethane	ND	98	87	11.9	102	92	10.3	70 - 130	30	
1,1-Dichloroethane	ND	104	93	11.2	104	102	1.9	70 - 130	30	
1,1-Dichloroethene	ND	108	95	12.8	94	105	11.1	70 - 130	30	
1,2,3-Trichlorobenzene	ND	100	93	7.3	86	95	9.9	70 - 130	30	
1,2,4-Trichlorobenzene	ND	97	90	7.5	91	90	1.1	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	101	94	7.2	99	101	2.0	70 - 130	30	
1,2-Dibromoethane	ND	102	91	11.4	99	96	3.1	70 - 130	30	
1,2-Dichlorobenzene	ND	99	94	5.2	95	93	2.1	70 - 130	30	
1,2-Dichloroethane	ND	100	91	9.4	100	93	7.3	70 - 130	30	
1,2-Dichloropropane	ND	101	91	10.4	100	93	7.3	70 - 130	30	
1,3-Dichlorobenzene	ND	98	92	6.3	92	92	0.0	70 - 130	30	
1,4-Dichlorobenzene	ND	98	93	5.2	96	97	1.0	70 - 130	30	
1,4-dioxane	ND	75	77	2.6	121	120	0.8	70 - 130	30	
2-Hexanone	ND	82	74	10.3	94	97	3.1	70 - 130	30	
4-Methyl-2-pentanone	ND	96	85	12.2	99	95	4.1	70 - 130	30	
Acetone	ND	65	55	16.7	80	85	6.1	70 - 130	30	l
Acrolein	ND	99	86	14.1	87	90	3.4	70 - 130	30	
Acrylonitrile	ND	101	92	9.3	102	106	3.8	70 - 130	30	
Benzene	ND	102	91	11.4	101	93	8.2	70 - 130	30	
Bromochloromethane	ND	105	90	15.4	102	109	6.6	70 - 130	30	
Bromodichloromethane	ND	107	95	11.9	99	96	3.1	70 - 130	30	
Bromoform	ND	108	98	9.7	103	108	4.7	70 - 130	30	
Bromomethane	ND	102	97	5.0	89	103	14.6	70 - 130	30	
Carbon Disulfide	ND	114	103	10.1	93	96	3.2	70 - 130	30	
Carbon tetrachloride	ND	106	101	4.8	102	97	5.0	70 - 130	30	
Chlorobenzene	ND	100	94	6.2	98	98	0.0	70 - 130	30	
Chloroethane	ND	90	87	3.4	65	80	20.7	70 - 130	30	m
Chloroform	ND	104	89	15.5	98	106	7.8	70 - 130	30	
Chloromethane	ND	96	87	9.8	97	103	6.0	70 - 130	30	
cis-1,2-Dichloroethene	ND	103	94	9.1	106	99	6.8	70 - 130	30	
cis-1,3-Dichloropropene	ND	106	94	12.0	101	97	4.0	70 - 130	30	

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Cyclohexane	ND	96	88	8.7	99	104	4.9	70 - 130	30
Dibromochloromethane	ND	113	105	7.3	112	106	5.5	70 - 130	30
Dichlorodifluoromethane	ND	90	83	8.1	94	97	3.1	70 - 130	30
Ethylbenzene	ND	103	97	6.0	100	102	2.0	70 - 130	30
Isopropylbenzene	ND	104	98	5.9	101	106	4.8	70 - 130	30
m&p-Xylene	ND	104	98	5.9	101	102	1.0	70 - 130	30
Methyl ethyl ketone	ND	80	70	13.3	102	107	4.8	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	101	88	13.8	98	94	4.2	70 - 130	30
Methylacetate	ND	109	98	10.6	112	116	3.5	70 - 130	30
Methylcyclohexane	ND	99	86	14.1	96	91	5.3	70 - 130	30
Methylene chloride	ND	100	89	11.6	76	81	6.4	70 - 130	30
o-Xylene	ND	105	98	6.9	101	105	3.9	70 - 130	30
Styrene	ND	106	99	6.8	105	106	0.9	70 - 130	30
tert-butyl alcohol	ND	87	83	4.7	86	88	2.3	70 - 130	30
Tetrachloroethene	ND	104	98	5.9	87	101	14.9	70 - 130	30
Toluene	ND	100	89	11.6	102	93	9.2	70 - 130	30
trans-1,2-Dichloroethene	ND	107	91	16.2	94	96	2.1	70 - 130	30
trans-1,3-Dichloropropene	ND	109	96	12.7	101	96	5.1	70 - 130	30
Trichloroethene	ND	104	88	16.7	104	93	11.2	70 - 130	30
Trichlorofluoromethane	ND	107	101	5.8	87	102	15.9	70 - 130	30
Trichlorotrifluoroethane	ND	103	91	12.4	94	106	12.0	70 - 130	30
Vinyl chloride	ND	98	88	10.8	100	101	1.0	70 - 130	30
% 1,2-dichlorobenzene-d4	103	101	101	0.0	101	104	2.9	70 - 130	30
% Bromofluorobenzene	95	101	102	1.0	101	105	3.9	70 - 130	30
% Dibromofluoromethane	105	105	102	2.9	106	105	0.9	70 - 130	30
% Toluene-d8	100	99	94	5.2	99	94	5.2	70 - 130	30

Comment:

A blank MS/MSD was analyzed with this batch.

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

QA/QC Batch 298903, QC Sample No: BH70564 (BH70558, BH70560, BH70562, BH70564, BH70566, BH70568, BH70570)

Volatiles - Solid

1,2,4-Trimethylbenzene	ND	97	91	6.4	97	96	1.0	70 - 130	30
1,3,5-Trimethylbenzene	ND	103	97	6.0	99	102	3.0	70 - 130	30
1,3-Dichlorobenzene	ND	98	92	6.3	92	92	0.0	70 - 130	30
Naphthalene	ND	100	93	7.3	94	98	4.2	70 - 130	30
n-Butylbenzene	ND	100	94	6.2	94	95	1.1	70 - 130	30
n-Propylbenzene	ND	96	91	5.3	97	100	3.0	70 - 130	30
p-Isopropyltoluene	ND	104	98	5.9	98	103	5.0	70 - 130	30
sec-Butylbenzene	ND	106	101	4.8	99	103	4.0	70 - 130	30
tert-Butylbenzene	ND	104	97	7.0	100	102	2.0	70 - 130	30
% 1,2-dichlorobenzene-d4	103	101	101	0.0	101	104	2.9	70 - 130	30
% Bromofluorobenzene	98	100	101	1.0	100	105	4.9	70 - 130	30
% Dibromofluoromethane	105	105	102	2.9	106	105	0.9	70 - 130	30
% Toluene-d8	100	99	94	5.2	99	94	5.2	70 - 130	30

Comment:

A blank MS/MSD was analyzed with this batch.

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

QA/QC Batch 298588, QC Sample No: BH70632 (BH70567, BH70569, BH70571)

Semivolatiles - Solid

1,1-Biphenyl	ND	87	83	4.7	87	83	4.7	30 - 130	30

QA/QC Data

SDG I.D.: GBH70542

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,2,4,5-Tetrachlorobenzene	ND	77	75	2.6	79	76	3.9	30 - 130	30	
1,2-Diphenylhydrazine	ND	91	88	3.4	91	85	6.8	30 - 130	30	
2,3,4,6-tetrachlorophenol	ND	91	90	1.1	100	100	0.0	30 - 130	30	
2,4,5-Trichlorophenol	ND	97	94	3.1	100	99	1.0	30 - 130	30	
2,4,6-Trichlorophenol	ND	97	94	3.1	102	100	2.0	30 - 130	30	
2,4-Dichlorophenol	ND	85	84	1.2	89	86	3.4	30 - 130	30	
2,4-Dimethylphenol	ND	78	77	1.3	80	80	0.0	30 - 130	30	
2,4-Dinitrophenol	ND	61	24	87.1	56	49	13.3	30 - 130	30	l,r
2,4-Dinitrotoluene	ND	103	100	3.0	105	101	3.9	30 - 130	30	
2,6-Dinitrotoluene	ND	100	97	3.0	101	95	6.1	30 - 130	30	
2-Chloronaphthalene	ND	88	83	5.8	88	83	5.8	30 - 130	30	
2-Chlorophenol	ND	83	81	2.4	85	84	1.2	30 - 130	30	
2-Methylnaphthalene	ND	81	79	2.5	82	79	3.7	30 - 130	30	
2-Methylphenol (o-cresol)	ND	81	79	2.5	89	86	3.4	30 - 130	30	
2-Nitroaniline	ND	139	129	7.5	119	134	11.9	30 - 130	30	l,m
2-Nitrophenol	ND	82	78	5.0	86	87	1.2	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	86	84	2.4	89	86	3.4	30 - 130	30	
3,3'-Dichlorobenzidine	ND	108	91	17.1	81	83	2.4	30 - 130	30	
3-Nitroaniline	ND	64	109	52.0	98	89	9.6	30 - 130	30	r
4,6-Dinitro-2-methylphenol	ND	92	50	59.2	93	96	3.2	30 - 130	30	r
4-Bromophenyl phenyl ether	ND	83	83	0.0	88	76	14.6	30 - 130	30	
4-Chloro-3-methylphenol	ND	88	86	2.3	92	90	2.2	30 - 130	30	
4-Chloroaniline	ND	45	80	56.0	57	58	1.7	30 - 130	30	r
4-Chlorophenyl phenyl ether	ND	90	86	4.5	90	85	5.7	30 - 130	30	
4-Nitroaniline	ND	101	100	1.0	105	104	1.0	30 - 130	30	
4-Nitrophenol	ND	117	105	10.8	113	123	8.5	30 - 130	30	
Acenaphthene	ND	91	84	8.0	90	85	5.7	30 - 130	30	
Acenaphthylene	ND	86	82	4.8	86	81	6.0	30 - 130	30	
Acetophenone	ND	83	80	3.7	84	83	1.2	30 - 130	30	
Anthracene	ND	93	90	3.3	90	86	4.5	30 - 130	30	
Atrazine	ND	98	97	1.0	96	102	6.1	30 - 130	30	
Benz(a)anthracene	ND	98	92	6.3	86	77	11.0	30 - 130	30	
Benzaldehyde	ND	60	60	0.0	138	196	34.7	30 - 130	30	m,r
Benzidine	ND	86	59	37.2	<10	16	NC	30 - 130	30	m,r
Benzo(a)pyrene	ND	92	88	4.4	85	75	12.5	30 - 130	30	
Benzo(b)fluoranthene	ND	93	88	5.5	83	73	12.8	30 - 130	30	
Benzo(ghi)perylene	ND	98	98	0.0	94	89	5.5	30 - 130	30	
Benzo(k)fluoranthene	ND	89	85	4.6	86	77	11.0	30 - 130	30	
Benzyl Alcohol	ND	79	77	2.6	81	78	3.8	30 - 130	30	
Benzyl butyl phthalate	ND	108	101	6.7	98	83	16.6	30 - 130	30	
Bis(2-chloroethoxy)methane	ND	83	80	3.7	82	81	1.2	30 - 130	30	
Bis(2-chloroethyl)ether	ND	84	67	22.5	72	70	2.8	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	73	72	1.4	74	72	2.7	30 - 130	30	
Bis(2-ethylhexyl)phthalate	ND	109	102	6.6	99	89	10.6	30 - 130	30	
Caprolactam	ND	87	85	2.3	93	95	2.1	30 - 130	30	
Carbazole	ND	125	110	12.8	111	113	1.8	30 - 130	30	
Chrysene	ND	100	96	4.1	89	81	9.4	30 - 130	30	
Dibenz(a,h)anthracene	ND	97	96	1.0	98	93	5.2	30 - 130	30	
Dibenzofuran	ND	91	88	3.4	92	88	4.4	30 - 130	30	
Diethyl phthalate	ND	94	91	3.2	93	92	1.1	30 - 130	30	
Dimethylphthalate	ND	91	89	2.2	91	84	8.0	30 - 130	30	
Di-n-butylphthalate	ND	115	103	11.0	96	97	1.0	30 - 130	30	
Di-n-octylphthalate	ND	102	97	5.0	99	89	10.6	30 - 130	30	

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Fluoranthene	ND	126	112	11.8	83	75	10.1	30 - 130	30	
Fluorene	ND	90	86	4.5	90	87	3.4	30 - 130	30	
Hexachlorobenzene	ND	81	81	0.0	84	74	12.7	30 - 130	30	
Hexachlorobutadiene	ND	74	72	2.7	73	70	4.2	30 - 130	30	
Hexachlorocyclopentadiene	ND	67	66	1.5	60	51	16.2	30 - 130	30	
Hexachloroethane	ND	74	71	4.1	71	69	2.9	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	98	97	1.0	94	89	5.5	30 - 130	30	
Isophorone	ND	77	75	2.6	76	74	2.7	30 - 130	30	
Naphthalene	ND	78	74	5.3	75	75	0.0	30 - 130	30	
Nitrobenzene	ND	81	78	3.8	82	81	1.2	30 - 130	30	
N-Nitrosodimethylamine	ND	70	66	5.9	65	66	1.5	30 - 130	30	
N-Nitrosodi-n-propylamine	ND	82	78	5.0	81	80	1.2	30 - 130	30	
N-Nitrosodiphenylamine	ND	91	91	0.0	94	92	2.2	30 - 130	30	
Pentachlorophenol	ND	94	82	13.6	99	96	3.1	30 - 130	30	
Phenanthrene	ND	92	88	4.4	80	75	6.5	30 - 130	30	
Phenol	ND	82	80	2.5	84	81	3.6	30 - 130	30	
Pyrene	ND	124	112	10.2	85	77	9.9	30 - 130	30	
% 2,4,6-Tribromophenol	82	80	80	0.0	84	79	6.1	30 - 130	30	
% 2-Fluorobiphenyl	75	83	79	4.9	83	80	3.7	30 - 130	30	
% 2-Fluorophenol	63	76	73	4.0	75	74	1.3	30 - 130	30	
% Nitrobenzene-d5	68	78	75	3.9	78	77	1.3	30 - 130	30	
% Phenol-d5	70	80	77	3.8	81	78	3.8	30 - 130	30	
% Terphenyl-d14	112	129	117	9.8	113	108	4.5	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 298919, QC Sample No: BH70721 (BH70544, BH70546)

Volatiles (TCL) - Solid

1,1,1,2-Tetrachloroethane	ND	100	101	1.0	97	96	1.0	70 - 130	30	
1,1,1-Trichloroethane	ND	103	104	1.0	100	104	3.9	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	106	103	2.9	95	99	4.1	70 - 130	30	
1,1,2-Trichloroethane	ND	99	97	2.0	98	98	0.0	70 - 130	30	
1,1-Dichloroethane	ND	100	100	0.0	101	102	1.0	70 - 130	30	
1,1-Dichloroethene	ND	106	108	1.9	99	100	1.0	70 - 130	30	
1,2,3-Trichlorobenzene	ND	100	96	4.1	95	100	5.1	70 - 130	30	
1,2,4-Trichlorobenzene	ND	99	95	4.1	91	98	7.4	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	110	101	8.5	89	98	9.6	70 - 130	30	
1,2-Dibromoethane	ND	101	102	1.0	97	103	6.0	70 - 130	30	
1,2-Dichlorobenzene	ND	99	99	0.0	96	99	3.1	70 - 130	30	
1,2-Dichloroethane	ND	99	99	0.0	96	99	3.1	70 - 130	30	
1,2-Dichloropropane	ND	99	99	0.0	97	101	4.0	70 - 130	30	
1,3-Dichlorobenzene	ND	96	97	1.0	94	97	3.1	70 - 130	30	
1,4-Dichlorobenzene	ND	98	97	1.0	95	99	4.1	70 - 130	30	
1,4-dioxane	ND	98	89	9.6	106	113	6.4	70 - 130	30	
2-Hexanone	ND	71	68	4.3	65	68	4.5	70 - 130	30	l,m
4-Methyl-2-pentanone	ND	91	90	1.1	87	91	4.5	70 - 130	30	
Acetone	ND	75	76	1.3	50	56	11.3	70 - 130	30	m
Acrolein	ND	109	102	6.6	64	68	6.1	70 - 130	30	m
Acrylonitrile	ND	107	101	5.8	100	101	1.0	70 - 130	30	
Benzene	ND	98	100	2.0	98	98	0.0	70 - 130	30	
Bromochloromethane	ND	102	100	2.0	97	101	4.0	70 - 130	30	
Bromodichloromethane	ND	106	105	0.9	98	100	2.0	70 - 130	30	

QA/QC Data

SDG I.D.: GBH70542

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Bromoform	ND	109	109	0.0	95	98	3.1	70 - 130	30	
Bromomethane	ND	97	100	3.0	74	83	11.5	70 - 130	30	
Carbon Disulfide	ND	115	113	1.8	96	97	1.0	70 - 130	30	
Carbon tetrachloride	ND	100	102	2.0	96	98	2.1	70 - 130	30	
Chlorobenzene	ND	95	98	3.1	97	98	1.0	70 - 130	30	
Chloroethane	ND	102	101	1.0	42	39	7.4	70 - 130	30	m
Chloroform	ND	95	97	2.1	97	97	0.0	70 - 130	30	
Chloromethane	ND	96	95	1.0	97	95	2.1	70 - 130	30	
cis-1,2-Dichloroethene	ND	105	99	5.9	105	105	0.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	106	108	1.9	99	102	3.0	70 - 130	30	
Cyclohexane	ND	89	89	0.0	100	100	0.0	70 - 130	30	
Dibromochloromethane	ND	107	108	0.9	98	99	1.0	70 - 130	30	
Dichlorodifluoromethane	ND	91	89	2.2	91	91	0.0	70 - 130	30	
Ethylbenzene	ND	97	98	1.0	97	96	1.0	70 - 130	30	
Isopropylbenzene	ND	100	100	0.0	100	101	1.0	70 - 130	30	
m&p-Xylene	ND	94	96	2.1	96	95	1.0	70 - 130	30	
Methyl ethyl ketone	ND	73	69	5.6	69	78	12.2	70 - 130	30	l,m
Methyl t-butyl ether (MTBE)	ND	100	99	1.0	91	96	5.3	70 - 130	30	
Methylacetate	ND	104	101	2.9	102	107	4.8	70 - 130	30	
Methylcyclohexane	ND	97	97	0.0	99	102	3.0	70 - 130	30	
Methylene chloride	ND	93	93	0.0	88	89	1.1	70 - 130	30	
o-Xylene	ND	99	99	0.0	97	97	0.0	70 - 130	30	
Styrene	ND	97	98	1.0	98	99	1.0	70 - 130	30	
tert-butyl alcohol	ND	92	85	7.9	88	87	1.1	70 - 130	30	
Tetrachloroethene	ND	97	97	0.0	98	96	2.1	70 - 130	30	
Toluene	ND	99	100	1.0	100	100	0.0	70 - 130	30	
trans-1,2-Dichloroethene	ND	104	104	0.0	98	100	2.0	70 - 130	30	
trans-1,3-Dichloropropene	ND	109	107	1.9	98	102	4.0	70 - 130	30	
Trichloroethene	ND	100	99	1.0	99	101	2.0	70 - 130	30	
Trichlorofluoromethane	ND	102	101	1.0	82	82	0.0	70 - 130	30	
Trichlorotrifluoroethane	ND	101	103	2.0	98	98	0.0	70 - 130	30	
Vinyl chloride	ND	95	95	0.0	102	101	1.0	70 - 130	30	
% 1,2-dichlorobenzene-d4	99	103	103	0.0	100	103	3.0	70 - 130	30	
% Bromofluorobenzene	93	100	97	3.0	100	98	2.0	70 - 130	30	
% Dibromofluoromethane	99	99	97	2.0	103	102	1.0	70 - 130	30	
% Toluene-d8	89	100	103	3.0	102	102	0.0	70 - 130	30	

Comment:

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

QA/QC Batch 298914, QC Sample No: BH70721 (BH70544, BH70546)

Volatiles - Solid

1,2,4-Trimethylbenzene	ND	93	93	0.0	96	97	1.0	70 - 130	30	
1,3,5-Trimethylbenzene	ND	98	98	0.0	98	99	1.0	70 - 130	30	
1,3-Dichlorobenzene	ND	95	96	1.0	94	97	3.1	70 - 130	30	
Naphthalene	ND	103	99	4.0	90	97	7.5	70 - 130	30	
n-Butylbenzene	ND	97	96	1.0	97	99	2.0	70 - 130	30	
n-Propylbenzene	ND	95	96	1.0	100	102	2.0	70 - 130	30	
p-Isopropyltoluene	ND	96	97	1.0	95	98	3.1	70 - 130	30	
sec-Butylbenzene	ND	101	101	0.0	98	100	2.0	70 - 130	30	
tert-Butylbenzene	ND	99	100	1.0	100	100	0.0	70 - 130	30	
% 1,2-dichlorobenzene-d4	97	102	103	1.0	100	103	3.0	70 - 130	30	
% Bromofluorobenzene	96	99	98	1.0	99	98	1.0	70 - 130	30	
% Dibromofluoromethane	98	99	97	2.0	102	102	0.0	70 - 130	30	

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
% Toluene-d8	90	101	103	2.0	102	103	1.0	70 - 130	30	

Comment:

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

QA/QC Batch 298782, QC Sample No: BH70733 (BH70548, BH70550 (42X) , BH70556 (42X))

Volatiles - Solid

1,2,4-Trimethylbenzene	ND	101	104	2.9	111	107	3.7	70 - 130	30	
1,3,5-Trimethylbenzene	ND	107	110	2.8	112	111	0.9	70 - 130	30	
1,3-Dichlorobenzene	ND	106	110	3.7	110	108	1.8	70 - 130	30	
Naphthalene	ND	109	110	0.9	105	106	0.9	70 - 130	30	
n-Butylbenzene	ND	106	109	2.8	113	110	2.7	70 - 130	30	
n-Propylbenzene	ND	102	104	1.9	114	111	2.7	70 - 130	30	
p-Isopropyltoluene	ND	106	109	2.8	113	110	2.7	70 - 130	30	
sec-Butylbenzene	ND	110	111	0.9	115	113	1.8	70 - 130	30	
tert-Butylbenzene	ND	109	110	0.9	115	114	0.9	70 - 130	30	
% 1,2-dichlorobenzene-d4	100	100	100	0.0	99	99	0.0	70 - 130	30	
% Bromofluorobenzene	97	99	98	1.0	99	99	0.0	70 - 130	30	
% Dibromofluoromethane	98	101	99	2.0	96	98	2.1	70 - 130	30	
% Toluene-d8	96	100	101	1.0	101	100	1.0	70 - 130	30	

Comment:

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

QA/QC Batch 299154, QC Sample No: BH70936 (BH70542, BH70550, BH70552, BH70554, BH70556)

Volatiles (TCL) - Solid

1,1,1,2-Tetrachloroethane	ND	116	121	4.2				70 - 130	30	
1,1,1-Trichloroethane	ND	121	121	0.0				70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	114	120	5.1				70 - 130	30	
1,1,2-Trichloroethane	ND	113	118	4.3				70 - 130	30	
1,1-Dichloroethane	ND	118	120	1.7				70 - 130	30	
1,1-Dichloroethene	ND	129	128	0.8				70 - 130	30	
1,2,3-Trichlorobenzene	ND	111	116	4.4				70 - 130	30	
1,2,4-Trichlorobenzene	ND	108	114	5.4				70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	112	113	0.9				70 - 130	30	
1,2-Dibromoethane	ND	119	123	3.3				70 - 130	30	
1,2-Dichlorobenzene	ND	112	117	4.4				70 - 130	30	
1,2-Dichloroethane	ND	115	119	3.4				70 - 130	30	
1,2-Dichloropropane	ND	114	118	3.4				70 - 130	30	
1,3-Dichlorobenzene	ND	113	117	3.5				70 - 130	30	
1,4-Dichlorobenzene	ND	111	113	1.8				70 - 130	30	
1,4-dioxane	ND	140	125	11.3				70 - 130	30	I
2-Hexanone	ND	75	76	1.3				70 - 130	30	
4-Methyl-2-pentanone	ND	103	108	4.7				70 - 130	30	
Acetone	ND	70	70	0.0				70 - 130	30	
Acrolein	ND	158	162	2.5				70 - 130	30	I
Acrylonitrile	ND	116	121	4.2				70 - 130	30	
Benzene	ND	117	118	0.9				70 - 130	30	
Bromochloromethane	ND	120	122	1.7				70 - 130	30	
Bromodichloromethane	ND	123	129	4.8				70 - 130	30	
Bromoform	ND	121	129	6.4				70 - 130	30	
Bromomethane	ND	129	128	0.8				70 - 130	30	
Carbon Disulfide	ND	136	136	0.0				70 - 130	30	I
Carbon tetrachloride	ND	126	126	0.0				70 - 130	30	
Chlorobenzene	ND	114	119	4.3				70 - 130	30	

QA/QC Data

SDG I.D.: GBH70542

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Chloroethane	ND	127	128	0.8				70 - 130	30	
Chloroform	ND	112	114	1.8				70 - 130	30	
Chloromethane	ND	104	104	0.0				70 - 130	30	
cis-1,2-Dichloroethene	ND	124	121	2.4				70 - 130	30	
cis-1,3-Dichloropropene	ND	126	133	5.4				70 - 130	30	I
Cyclohexane	ND	105	104	1.0				70 - 130	30	
Dibromochloromethane	ND	125	132	5.4				70 - 130	30	I
Dichlorodifluoromethane	ND	104	101	2.9				70 - 130	30	
Ethylbenzene	ND	114	116	1.7				70 - 130	30	
Isopropylbenzene	ND	118	117	0.9				70 - 130	30	
m&p-Xylene	ND	113	115	1.8				70 - 130	30	
Methyl ethyl ketone	ND	73	73	0.0				70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	113	117	3.5				70 - 130	30	
Methylacetate	ND	116	121	4.2				70 - 130	30	
Methylcyclohexane	ND	113	113	0.0				70 - 130	30	
Methylene chloride	ND	111	115	3.5				70 - 130	30	
o-Xylene	ND	117	119	1.7				70 - 130	30	
Styrene	ND	114	116	1.7				70 - 130	30	
tert-butyl alcohol	ND	123	106	14.8				70 - 130	30	
Tetrachloroethene	ND	118	120	1.7				70 - 130	30	
Toluene	ND	121	121	0.0				70 - 130	30	
trans-1,2-Dichloroethene	ND	125	128	2.4				70 - 130	30	
trans-1,3-Dichloropropene	ND	127	133	4.6				70 - 130	30	I
Trichloroethene	ND	125	122	2.4				70 - 130	30	
Trichlorofluoromethane	ND	126	121	4.0				70 - 130	30	
Trichlorotrifluoroethane	ND	125	125	0.0				70 - 130	30	
Vinyl chloride	ND	113	110	2.7				70 - 130	30	
% 1,2-dichlorobenzene-d4	98	102	103	1.0				70 - 130	30	
% Bromofluorobenzene	97	98	100	2.0				70 - 130	30	
% Dibromofluoromethane	99	102	99	3.0				70 - 130	30	
% Toluene-d8	89	101	101	0.0				70 - 130	30	

Comment:

The MS/MSD are not reported for this batch.

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

QA/QC Batch 299153, QC Sample No: BH70936 (BH70542, BH70550, BH70552, BH70554, BH70556)

Volatiles - Solid

1,2,4-Trimethylbenzene	ND	107	109	1.9				70 - 130	30	
1,3,5-Trimethylbenzene	ND	113	115	1.8				70 - 130	30	
1,3-Dichlorobenzene	ND	112	116	3.5				70 - 130	30	
Naphthalene	ND	111	115	3.5				70 - 130	30	
n-Butylbenzene	ND	109	111	1.8				70 - 130	30	
n-Propylbenzene	ND	109	111	1.8				70 - 130	30	
p-Isopropyltoluene	ND	113	116	2.6				70 - 130	30	
sec-Butylbenzene	ND	117	119	1.7				70 - 130	30	
tert-Butylbenzene	ND	118	118	0.0				70 - 130	30	
% 1,2-dichlorobenzene-d4	98	102	103	1.0				70 - 130	30	
% Bromofluorobenzene	99	98	99	1.0				70 - 130	30	
% Dibromofluoromethane	98	102	99	3.0				70 - 130	30	
% Toluene-d8	89	102	101	1.0				70 - 130	30	

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits

Comment:

The MS/MSD are not reported for this batch.

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

QA/QC Batch 298717, QC Sample No: BH70955 (BH70569, BH70571)

Chlorinated Herbicides - Solid

2,4,5-T	ND	72	74	2.7	59	54	8.8	40 - 140	30
2,4,5-TP (Silvex)	ND	73	77	5.3	68	62	9.2	40 - 140	30
2,4-D	ND	65	58	11.4	54	49	9.7	40 - 140	30
2,4-DB	ND	71	74	4.1	69	65	6.0	40 - 140	30
Dalapon	ND	42	46	9.1	43	42	2.4	40 - 140	30
Dicamba	ND	79	83	4.9	70	59	17.1	40 - 140	30
Dichloroprop	ND	69	76	9.7	70	61	13.7	40 - 140	30
Dinoseb	ND	75	83	10.1	77	73	5.3	40 - 140	30
% DCAA (Surrogate Rec)	55	62	64	3.2	58	53	9.0	30 - 150	30

QA/QC Batch 298778, QC Sample No: BH71110 (BH70566 (26X) , BH70568 (25X) , BH70570 (50X))

Volatiles - Solid

1,2,4-Trimethylbenzene	ND	119	119	0.0	119	113	5.2	70 - 130	30
1,3,5-Trimethylbenzene	ND	121	126	4.0	122	117	4.2	70 - 130	30
1,3-Dichlorobenzene	ND	121	122	0.8	110	105	4.7	70 - 130	30
Naphthalene	ND	119	119	0.0	87	88	1.1	70 - 130	30
n-Butylbenzene	ND	119	123	3.3	116	111	4.4	70 - 130	30
n-Propylbenzene	ND	118	118	0.0	122	118	3.3	70 - 130	30
p-Isopropyltoluene	ND	123	127	3.2	124	119	4.1	70 - 130	30
sec-Butylbenzene	ND	133	129	3.1	123	117	5.0	70 - 130	30
tert-Butylbenzene	ND	123	125	1.6	125	119	4.9	70 - 130	30
% 1,2-dichlorobenzene-d4	101	105	101	3.9	99	98	1.0	70 - 130	30
% Bromofluorobenzene	97	103	100	3.0	98	98	0.0	70 - 130	30
% Dibromofluoromethane	99	106	100	5.8	100	100	0.0	70 - 130	30
% Toluene-d8	100	99	99	0.0	99	99	0.0	70 - 130	30

Comment:

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

QA/QC Batch 298792, QC Sample No: BH71149 (BH70551 (5X) , BH70553 (5X) , BH70555 (5X) , BH70557 (5X) , BH70559 (5X) , BH70561 (5X) , BH70563 (5X) , BH70565 (5X) , BH70567 (5X) , BH70569 (5X) , BH70571 (5X))

Volatiles - TCLP

1,1-Dichloroethene	ND	116	119	2.6	108	109	0.9	70 - 130	30
1,2-Dichloroethane	ND	117	125	6.6	108	110	1.8	70 - 130	30
Benzene	ND	118	122	3.3	108	111	2.7	70 - 130	30
Carbon tetrachloride	ND	114	121	6.0	108	110	1.8	70 - 130	30
Chlorobenzene	ND	115	120	4.3	109	110	0.9	70 - 130	30
Chloroform	ND	122	127	4.0	112	113	0.9	70 - 130	30
Methyl ethyl ketone	ND	106	115	8.1	99	97	2.0	70 - 130	30
Tetrachloroethene	ND	111	116	4.4	106	108	1.9	70 - 130	30
Trichloroethene	ND	115	119	3.4	108	110	1.8	70 - 130	30
Vinyl chloride	ND	103	109	5.7	110	111	0.9	70 - 130	30
% 1,2-dichlorobenzene-d4	96	99	101	2.0	99	101	2.0	70 - 130	30
% Bromofluorobenzene	94	98	99	1.0	98	98	0.0	70 - 130	30
% Dibromofluoromethane	91	99	100	1.0	99	99	0.0	70 - 130	30
% Toluene-d8	97	101	101	0.0	100	100	0.0	70 - 130	30

QA/QC Data

SDG I.D.: GBH70542

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits

Comment:

A blank MS/MSD was analyzed with this batch.

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

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

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

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

Phyllis Shiller, Laboratory Director
February 13, 2015

Sample Criteria Exceedences Report

GBH70542 - IMPACT

Criteria: NJ: RC; NY: 375
State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH70543	$DPSVNJ_TCL	Benzo(a)pyrene	NJ / Soil Remediation Standard / Res. Direct Contact	930	150	200	200	ug/Kg
BH70543	$DPSVNJ_TCL	Benzo(b)fluoranthene	NJ / Soil Remediation Standard / Res. Direct Contact	1200	260	600	200	ug/Kg
BH70543	$DPSVNJ_TCL	Benz(a)anthracene	NJ / Soil Remediation Standard / Res. Direct Contact	1200	260	600	200	ug/Kg
BH70543	$DPSVNJ_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1200	260	1000	1000	ug/Kg
BH70543	$DPSVNJ_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1200	260	1000	1000	ug/Kg
BH70543	$DPSVNJ_TCL	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1200	260	1000	1000	ug/Kg
BH70543	$DPSVNJ_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	530	260	500	500	ug/Kg
BH70543	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	58.7	0.34	30	30	mg/Kg
BH70545	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.21	0.03	0.18	0.18	mg/Kg
BH70547	$DPSVNJ_TCL	Benzo(a)pyrene	NJ / Soil Remediation Standard / Res. Direct Contact	300	150	200	200	ug/Kg
BH70547	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	70.4	0.35	63	63	mg/Kg
BH70549	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	65.4	0.35	63	63	mg/Kg
BH70551	$DPSVNJ_TCL	Benz(a)anthracene	NJ / Soil Remediation Standard / Res. Direct Contact	620	1200	600	200	ug/Kg
BH70551	$DPSVNJ_TCL	N-Nitrosodi-n-propylamine	NJ / Soil Remediation Standard / Res. Direct Contact	ND	710	200	200	ug/Kg
BH70551	$DPSVNJ_TCL	N-Nitrosodimethylamine	NJ / Soil Remediation Standard / Res. Direct Contact	ND	1200	700	700	ug/Kg
BH70551	$DPSVNJ_TCL	Indeno(1,2,3-cd)pyrene	NJ / Soil Remediation Standard / Res. Direct Contact	ND	1200	600	200	ug/Kg
BH70551	$DPSVNJ_TCL	Hexachlorobenzene	NJ / Soil Remediation Standard / Res. Direct Contact	ND	710	300	200	ug/Kg
BH70551	$DPSVNJ_TCL	Dibenz(a,h)anthracene	NJ / Soil Remediation Standard / Res. Direct Contact	ND	710	200	200	ug/Kg
BH70551	$DPSVNJ_TCL	Bis(2-chloroethyl)ether	NJ / Soil Remediation Standard / Res. Direct Contact	ND	710	400	200	ug/Kg
BH70551	$DPSVNJ_TCL	Benzo(b)fluoranthene	NJ / Soil Remediation Standard / Res. Direct Contact	650	1200	600	200	ug/Kg
BH70551	$DPSVNJ_TCL	Benzidine	NJ / Soil Remediation Standard / Res. Direct Contact	ND	2700	700	700	ug/Kg
BH70551	$DPSVNJ_TCL	2,6-Dinitrotoluene	NJ / Soil Remediation Standard / Res. Direct Contact	ND	710	700	200	ug/Kg
BH70551	$DPSVNJ_TCL	2,4-Dinitrotoluene	NJ / Soil Remediation Standard / Res. Direct Contact	ND	710	700	200	ug/Kg
BH70551	$DPSVNJ_TCL	1,2-Diphenylhydrazine	NJ / Soil Remediation Standard / Res. Direct Contact	ND	1800	700	700	ug/Kg
BH70551	$DPSVNJ_TCL	Benzo(a)pyrene	NJ / Soil Remediation Standard / Res. Direct Contact	ND	710	200	200	ug/Kg
BH70551	$DPSVNJ_TCL	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1200	800	800	ug/Kg
BH70551	$DPSVNJ_TCL	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	710	330	330	ug/Kg
BH70551	$DPSVNJ_TCL	2-Methylphenol (o-cresol)	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1200	330	330	ug/Kg
BH70551	$DPSVNJ_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1200	500	500	ug/Kg
BH70551	$DPSVNJ_TCL	Pentachlorophenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1200	800	800	ug/Kg
BH70551	$DPSVNJ_TCL	Phenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	1200	330	330	ug/Kg
BH70551	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	55.2	0.38	50	50	mg/kg
BH70551	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	88.5	0.38	63	63	mg/Kg
BH70555	BA-SM	Barium	NY / 375-6.8 Metals / Unrestricted Use Soil	606	0.35	350	350	mg/Kg
BH70555	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	306	3.5	63	63	mg/Kg
BH70555	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	406	3.5	109	109	mg/Kg
BH70557	BA-SM	Barium	NY / 375-6.8 Metals / Unrestricted Use Soil	780	0.34	350	350	mg/Kg

Criteria: NJ: RC; NY: 375
State: NY

Sample Criteria Exceedences Report

GBH70542 - IMPACT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH70557	PB-SM	Lead	NJ / Soil Remediation Standard / Res. Direct Contact	566	3.7	400	1	mg/Kg
BH70557	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	566	3.7	63	63	mg/Kg
BH70557	TCLP-PB	TCLP Lead	EPA / 40 CFR 261.24 / Toxicity Characteristics	15.1	0.10	5	5	mg/L
BH70557	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	601	3.4	109	109	mg/Kg
BH70559	$DPSVNJ_TCL	Benz(a)anthracene	NJ / Soil Remediation Standard / Res. Direct Contact	790	260	600	200	ug/Kg
BH70559	$DPSVNJ_TCL	Benzo(a)pyrene	NJ / Soil Remediation Standard / Res. Direct Contact	800	150	200	200	ug/Kg
BH70559	$DPSVNJ_TCL	Benzo(b)fluoranthene	NJ / Soil Remediation Standard / Res. Direct Contact	1200	260	600	200	ug/Kg
BH70559	$DPSVNJ_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1200	260	1000	1000	ug/Kg
BH70559	$PESTSM_NY	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	7.6	2.3	3.3	3.3	ug/Kg
BH70559	$PESTSM_NY	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	4.0	2.3	3.3	3.3	ug/Kg
BH70559	$PESTSM_NY	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	5.7	2.3	3.3	3.3	ug/Kg
BH70559	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	162	3.5	63	63	mg/Kg
BH70559	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	114	0.35	109	109	mg/Kg
BH70561	$DPSVNJ_TCL	Benzo(a)pyrene	NJ / Soil Remediation Standard / Res. Direct Contact	380	150	200	200	ug/Kg
BH70561	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	35.0	0.35	30	30	mg/Kg
BH70561	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	72.4	0.35	63	63	mg/Kg
BH70567	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.53	0.03	0.18	0.18	mg/Kg
BH70567	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	207	4.1	63	63	mg/Kg
BH70567	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	164	4.1	109	109	mg/Kg
BH70569	$DPSVNJ_TCL	Benz(a)anthracene	NJ / Soil Remediation Standard / Res. Direct Contact	710	270	600	200	ug/Kg
BH70569	$DPSVNJ_TCL	Benzo(a)pyrene	NJ / Soil Remediation Standard / Res. Direct Contact	640	150	200	200	ug/Kg
BH70569	$DPSVNJ_TCL	Benzo(b)fluoranthene	NJ / Soil Remediation Standard / Res. Direct Contact	930	270	600	200	ug/Kg
BH70569	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	212	3.5	63	63	mg/Kg
BH70569	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	153	3.5	109	109	mg/Kg
BH70571	$DPSVNJ_TCL	Benzo(a)pyrene	NJ / Soil Remediation Standard / Res. Direct Contact	780	150	200	200	ug/Kg
BH70571	$DPSVNJ_TCL	Benzo(b)fluoranthene	NJ / Soil Remediation Standard / Res. Direct Contact	1100	260	600	200	ug/Kg
BH70571	$DPSVNJ_TCL	Benz(a)anthracene	NJ / Soil Remediation Standard / Res. Direct Contact	830	260	600	200	ug/Kg
BH70571	$DPSVNJ_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1100	260	1000	1000	ug/Kg
BH70571	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	73.1	0.35	50	50	mg/kg
BH70571	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.48	0.03	0.18	0.18	mg/Kg
BH70571	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	253	3.5	63	63	mg/Kg
BH70571	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	236	3.5	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 13, 2015

SDG I.D.: GBH70542

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

4° NUDP

CHAIN OF CUSTODY

IMPACT ENVIRONMENTAL
170 Keyland Court, Bohemia, New York 11716
(Tel.) 631-269-8800 (Fax) 631-269-1599

Page ____ of ____

LAB NAME: Phoenix

RECEIVED DATE:

Client Information

Company Name: Impact Environmental
Address: 170 Keyland Court
City: Bohemia
Project Contact: Xin Yuan
Phone #: 631-269-8800 **Fax #:** 631-269-1599
E-mail: XYuan@impactenvironmental.com

Project Information

Project Name: SW Marine Transfer Station
Street: 1824 Shore Parkway
City: Brooklyn **State:** NY **Zip:**
Project #: 7336
Sampler's Name: Xin Yuan
Sampler's Signature:

LAB SAMPLE # (LAB USE ONLY)	Sample ID	IEC Project Code	Matrix Code	Sample Type	Sample Date	Time	Total # of bottles	NONE or OTHER*	ICE	HCL	Methanol (USEPA 5035)	Sodium Bisulfate (EPA 5035)	Impact Analytical Package A*	Impact Analytical Package B**	Impact Analytical Package C***	VOC 8260 (Analyte List for NY Part 375 and NJ NRDCC)	GP82 Analysis	VOCs 8260 (~~CP82 Another List~~)					(LAB USE ONLY)
1	WC 48 2-3		S	G	2/4	11:30	3											X					70542
2	WC 48 Comp			C		11:30									X								70543
3	WC 42 1-2					11:55												X					70544
4	WC 42 Comp					11:55									X								70545
5	WC 47 2-3					12:45												X					70546
6	WC 47 Comp					12:45									X								70547
7	WC 37 4-5					13:30												X					70548
8	WC 37 Comp					13:30									X								70549
9	WC 38 1-2																	X					70550
10	WC 38 Comp														X								70551

Matrix Codes
L - Liquid
S - Soil
A - Air
OL - Oil
W - Wipe
PC - Paint Chips
SL - Sludge
SD - Solid
DW- Drinking Water
DISS - Dissolved

Sample Type
G=Grab
C=Composite
B=Blank

Turnaround Time (Business Days)

Standard Service
- [ ] Standard - 5 day
- [ ] Standard - 4 day
- [x] Standard - 3 day

Rush Service
- [ ] 48 Hour *RUSH*
- [ ] 24 Hour *RUSH*

(LAB USE ONLY)
TAT Approved By / Date:

Data Deliverable Information
- [ ] Results Only (Level-1)
- [ ] Results plus Misc. QC (Level-2)
- [ ] Results plus ALL QC (Level-3)
- [ ] PA QC Package
- [ ] NJ QC Package (Level3NJ)
- [ ] CLP Category A (Level-2)
- [ ] CLP Category B (Level-4)
- [ ] ASP QC Package (Level-4)
- [ ] Other _____
- [x] EDD Format pdf + excel

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, DENJ)

REFERENCES
*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSRS & NY Part 375 parameters and dectection limits. **Package B (proprietary)-Same as Package A, plus TCLP Metals & TPH. ***Package C (proprietary)-Same as Package B plus RCRA characteristics and Full TCLP

NOTES/COMMENTS:

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

Relinquished by Sampler:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	1 2/4 2:00	1	2	2 2-4-15	2
Relinquished by: 3	Date / Time: 3	Received By: 3	Relinquished By: 4	Date / Time: 4 2/4/15	Received By: 4
Relinquished by: 5	Date / Time: 5	Received By: 5			

COOLER INFORMATION
Cooler Temp:_____ pH:_____ [ ] On Ice [ ] Sample Receipt Discrepancy(attach information)

Form SS-2/Nov. 2013

CHAIN OF CUSTODY

IMPACT ENVIRONMENTAL
170 Keyland Court, Bohemia, New York 11716
(Tel.) 631-269-8800 (Fax) 631-269-1599

Page ____ of ____

LAB NAME: Phoenix

RECEIVED DATE:

Client Information

Company Name: Impact Environmental
Address: 170 Keyland Court
City: Bohemia
Project Contact: Xin Yuan
Phone #: 631-269-8800 **Fax #:** 631-269-1599
E-mail: xyuan@impactenvironmental.com

Project Information

Project Name: SW Marine Transfer Station
Street: 1824 Shore Parkway
City: Brooklyn **State:** NY **Zip:**
Project #: 7336
Sampler's Name: Xin Yuan
Sampler's Signature:

Analytical Information

LAB SAMPLE # (LAB USE ONLY)	Sample ID	IEC Project Code	Matrix Code	Sample Type	Sample Date	Time	Total # of bottles	NONE or OTHER*	ICE	HCL	Methanol (USEPA 5035)	Sodium Bisulfate (EPA 5035)	Impact Analytical Package A*	Impact Analytical Package B**	Impact Analytical Package C***	VOC 8260 (Analyte List for NY Part 375 and NJ NRDCC)	GP82 Analysis	VOCs 8260 (CP51 Analite List)						(LAB USE ONLY)
	1 WC 43 1-2		S	G	2/4	9:15	3											X						70552
	2 WC 43 comp			C		9:15									X									70553
	3 WC 51 2-3					10:10												X						70554
	4 WC 51 comp					10:10									X									70555
	5 DUP WC51 2-3					10:15												X						70556
	6 DUP WC51 comp					10:15									X									70557
	7 WC50 2-3					10:45												X						70558
	8 WC50 comp					10:45									X									70559
	9 WC 49 1-2					11:10												X						70560
	10 WC 49 comp					11:10									X									70561

Matrix Codes
L - Liquid
S - Soil
A - Air
OL - Oil
W - Wipe
PC - Paint Chips
SL - Sludge
SD - Solid
DW- Drinking Water
DISS - Dissolved

Sample Type
G=Grab
C=Composite
B=Blank

Turnaround Time (Business Days)

Standard Service
- [ ] Standard - 5 day
- [ ] Standard - 4 day
- [x] Standard - 3 day

Rush Service
- [ ] 48 Hour *RUSH*
- [ ] 24 Hour *RUSH*

(LAB USE ONLY)
TAT Approved By / Date:

Data Deliverable Information
- [ ] Results Only (Level-1)
- [ ] Results plus Misc. QC (Level-2)
- [ ] Results plus ALL QC (Level-3)
- [ ] PA QC Package
- [ ] NJ QC Package (Level3NJ)
- [ ] CLP Category A (Level-2)
- [ ] CLP Category B (Level-4)
- [ ] ASP QC Package (Level-4)
- [ ] Other ____
- [x] EDD Format pdf + excel

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Asdi, TAGM, OENJ)

REFERENCES
*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSRS & NY Part 375 parameters and dectection limits. **Package B (proprietary)-Same as Package A, plus TCLP Metals & TPH. ***Package C (proprietary)-Same as Package B plus RCRA characteristics and Full TCLP

NOTES/COMMENTS:

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

Relinquished by Sampler	Date / Time	Received By	Relinquished By	Date / Time	Received By
1	1 2/4 2:00	1	2	2	2
Relinquished by: 3	Date / Time: 3	Received By: 3	Relinquished By: 4	Date / Time: 4 2/4/15	Received By: 4
Relinquished by: 5	Date / Time: 5	Received By: 5			

COOLER INFORMATION
Cooler Temp: ____ pH: ____ [ ] On Ice [ ] Sample Receipt Discrepancy(attach information)

Form SS-2/Nov. 2013

HAIN OF CUSTODY

PACT ENVIRONMENTAL
0 Keyland Court, Bohemia, New York 11716
el.) 631-269-8800 (Fax) 631-269-1599

Page ____ of ____

4" WUBP

LAB NAME: Phoenix

RECEIVED DATE:

Client Information

mpany Name: Impact Environmental
dress: 170 Keyland Court
Bohemia
oject Contact: Xin Yuan
one #: 631-269-8800 Fax #: 631-269-1599
mail: xyuan@impactenvironmental.com

Project Information

Project Name: SW Marine Transfer Station
Street: 1824 Shore Parkway
City: Brooklyn State: NY Zip:
Project #: 7336
Sampler's Name: Xin Yuan
Sampler's Signature:

Analytical Information

Matrix Codes: L - Liquid; S - Soil; A - Air; OL - Oil; W - Wipe; PC - Paint Chips; SL - Sludge; SD - Solid; DW- Drinking Water; DISS - Dissolved

Sample Type: G=Grab; C=Composite; B=Blank

LAB SAMPLE # (LAB USE ONLY)	Sample ID	IEC Project Code	Matrix Code	Sample Type	Sample Date	Time	Total # of bottles	NONE or OTHER*	ICE	HCL	Methanol (USEPA 5035)	Sodium Bisulfate (EPA 5035)	Impact Analytical Package A*	Impact Analytical Package B**	Impact Analytical Package C***	VOC 8260 (Analyte List for NY Part 375 and NJ NRDCC)	GP82 Analysis	VOCs 8260 (~~GP82 Analyte List~~)					(LAB USE ONLY)
1	WC13 1-2		S	G	2/4	7:30	3											X					70562
2	WC13 Comp			C		7:30									X								70563
3	DUP WC13 1-2					7:40												X					70564
4	DUP WC13 Comp					7:40									X								70565
5	WC 45 2-3					8:20												X					70566
6	WC 45 Comp					8:20									X								70567
7	DUP WC 45 2-3					8:30												X					70568
8	DUP WC 45 Comp					8:30									X								70569
9	WC 44 1-2					8:50												X					70570
10	WC 44 Comp					8:50									X								70571

Turnaround Time (Business Days)

ndard Service — (LAB USE ONLY) TAT Approved By / Date:
- [ ] Standard - 5 day
- [ ] Standard - 4 day
- [x] Standard - 3 day

sh Service
- [ ] 48 Hour *RUSH*
- [ ] 24 Hour *RUSH*

Data Deliverable Information

- [ ] Results Only (Level-1)
- [ ] Results plus Misc. QC (Level-2)
- [ ] Results plus ALL QC (Level-3)
- [ ] PA QC Package
- [ ] NJ QC Package (Level3NJ)
- [ ] CLP Category A (Level-2)
- [ ] CLP Category B (Level-4)
- [ ] ASP QC Package (Level-4)
- [ ] Other _____
- [x] EDD Format pdf + excel

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)

REFERENCES

*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSRS & NY Part 375 parameters and dectection limits. **Package B (proprietary)-Same as Package A, plus TCLP Metals & TPH. ***Package C (proprietary)-Same as Package B plus RCRA characteristics and Full TCLP

NOTES/COMMENTS:

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

Relinquished by Sampler:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	1 2/4 2:00	1	2	2 2-4-15	2
Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
3	3	3	4	4 2/4/15	4 706
Relinquished by:	Date / Time:	Received By:			
5	5	5			

COOLER INFORMATION

Cooler Temp: _____ pH: _____ [ ] On Ice [ ] Sample Receipt Discrepancy(attach information)

Form SS-2 Nov. 2013

PHOENIX
Environmental Laboratories, Inc.

Thursday, February 12, 2015

Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Project ID: SW MARINE TRANSFER STATION
Sample ID#s: BH70938 - BH70957

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

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

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

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

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

Sincerely yours,

Phyllis Shiller
Laboratory Director

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

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

SDG Comments

February 12, 2015

SDG I.D.: GBH70938

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

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 12, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/05/15	9:15
Location Code:	IMPACT	Received by:	SW	02/05/15	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70938
Phoenix ID: BH70938

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 22 1-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/05/15	i	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	2.5	0.50	ug/Kg	02/06/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	2.5	0.50	ug/Kg	02/06/15	JLI	SW8260
1,3-Dichlorobenzene	ND	2.5	0.50	ug/Kg	02/06/15	JLI	SW8260
Naphthalene	ND	2.5	0.67	ug/Kg	02/06/15	JLI	SW8260
n-Butylbenzene	ND	2.5	0.50	ug/Kg	02/06/15	JLI	SW8260
n-Propylbenzene	ND	2.5	0.50	ug/Kg	02/06/15	JLI	SW8260
p-Isopropyltoluene	ND	2.5	0.50	ug/Kg	02/06/15	JLI	SW8260
sec-Butylbenzene	ND	2.5	0.50	ug/Kg	02/06/15	JLI	SW8260
tert-Butylbenzene	ND	2.5	0.50	ug/Kg	02/06/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	98			%	02/06/15	JLI	SW8260
% Bromofluorobenzene	97			%	02/06/15	JLI	SW8260
% Dibromofluoromethane	105			%	02/06/15	JLI	SW8260
% Toluene-d8	89			%	02/06/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	50	50	ug/kg	02/06/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	2.5	0.50	ug/Kg	02/06/15	JLI	SW8260
1,1,1-Trichloroethane	ND	2.5	0.50	ug/Kg	02/06/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	2.5	0.36	ug/Kg	02/06/15	JLI	SW8260
1,1,2-Trichloroethane	ND	2.5	0.25	ug/Kg	02/06/15	JLI	SW8260
1,1-Dichloroethane	ND	2.5	0.50	ug/Kg	02/06/15	JLI	SW8260
1,1-Dichloroethene	ND	2.5	0.55	ug/Kg	02/06/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 22 1-2

Phoenix I.D.: BH70938

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		2.5	0.34	ug/Kg	02/06/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		2.5	0.30	ug/Kg	02/06/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		2.5	0.67	ug/Kg	02/06/15	JLI	SW8260
1,2-Dibromoethane	ND		2.5	0.67	ug/Kg	02/06/15	JLI	SW8260
1,2-Dichlorobenzene	ND		2.5	0.28	ug/Kg	02/06/15	JLI	SW8260
1,2-Dichloroethane	ND		2.5	0.22	ug/Kg	02/06/15	JLI	SW8260
1,2-Dichloropropane	ND		2.5	0.36	ug/Kg	02/06/15	JLI	SW8260
1,3-Dichlorobenzene	ND		2.5	0.37	ug/Kg	02/06/15	JLI	SW8260
1,4-Dichlorobenzene	ND		2.5	0.40	ug/Kg	02/06/15	JLI	SW8260
2-Hexanone	ND		13	1.1	ug/Kg	02/06/15	JLI	SW8260
4-Methyl-2-pentanone	ND		13	0.60	ug/Kg	02/06/15	JLI	SW8260
Acetone	ND		25	2.5	ug/Kg	02/06/15	JLI	SW8260
Acrolein	ND		13	2.0	ug/Kg	02/06/15	JLI	SW8260
Acrylonitrile	ND		5.0	1.4	ug/Kg	02/06/15	JLI	SW8260
Benzene	ND		2.5	0.50	ug/Kg	02/06/15	JLI	SW8260
Bromochloromethane	ND		2.5	0.37	ug/Kg	02/06/15	JLI	SW8260
Bromodichloromethane	ND		2.5	0.31	ug/Kg	02/06/15	JLI	SW8260
Bromoform	ND		2.5	0.35	ug/Kg	02/06/15	JLI	SW8260
Bromomethane	ND		2.5	1.9	ug/Kg	02/06/15	JLI	SW8260
Carbon Disulfide	ND		2.5	0.41	ug/Kg	02/06/15	JLI	SW8260
Carbon tetrachloride	ND		2.5	0.29	ug/Kg	02/06/15	JLI	SW8260
Chlorobenzene	ND		2.5	0.37	ug/Kg	02/06/15	JLI	SW8260
Chloroethane	ND		2.5	0.59	ug/Kg	02/06/15	JLI	SW8260
Chloroform	ND		2.5	0.46	ug/Kg	02/06/15	JLI	SW8260
Chloromethane	ND		2.5	1.3	ug/Kg	02/06/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		2.5	0.55	ug/Kg	02/06/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		2.5	0.27	ug/Kg	02/06/15	JLI	SW8260
Cyclohexane	ND		2.5	2.5	ug/Kg	02/06/15	JLI	SW8260
Dibromochloromethane	ND		2.5	0.28	ug/Kg	02/06/15	JLI	SW8260
Dichlorodifluoromethane	ND		2.5	0.67	ug/Kg	02/06/15	JLI	SW8260
Ethylbenzene	ND		2.5	0.46	ug/Kg	02/06/15	JLI	SW8260
Isopropylbenzene	ND		2.5	0.48	ug/Kg	02/06/15	JLI	SW8260
m&p-Xylene	ND		2.5	0.99	ug/Kg	02/06/15	JLI	SW8260
Methyl ethyl ketone	ND		15	2.2	ug/Kg	02/06/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		5.0	0.69	ug/Kg	02/06/15	JLI	SW8260
Methylacetate	ND		2.5	2.5	ug/Kg	02/06/15	JLI	SW8260
Methylcyclohexane	ND		2.5	2.5	ug/Kg	02/06/15	JLI	SW8260
Methylene chloride	0.55	JS	2.5	0.41	ug/Kg	02/06/15	JLI	SW8260
o-Xylene	ND		2.5	0.96	ug/Kg	02/06/15	JLI	SW8260
Styrene	ND		2.5	0.72	ug/Kg	02/06/15	JLI	SW8260
tert-butyl alcohol	ND		50	50	ug/Kg	02/06/15	JLI	SW8260
Tetrachloroethene	ND		2.5	0.53	ug/Kg	02/06/15	JLI	SW8260
Toluene	ND		2.5	0.40	ug/Kg	02/06/15	JLI	SW8260
Total Xylenes	ND		2.5	2.5	ug/Kg	02/06/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		2.5	0.50	ug/Kg	02/06/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		2.5	0.51	ug/Kg	02/06/15	JLI	SW8260
Trichloroethene	ND		2.5	0.53	ug/Kg	02/06/15	JLI	SW8260
Trichlorofluoromethane	ND		2.5	0.56	ug/Kg	02/06/15	JLI	SW8260
Trichlorotrifluoroethane	ND		2.5	0.39	ug/Kg	02/06/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 22 1-2

Phoenix I.D.: BH70938

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	2.5	0.81	ug/Kg	02/06/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	98			%	02/06/15	JLI	70 - 130 %	
% Bromofluorobenzene	94			%	02/06/15	JLI	70 - 130 %	
% Dibromofluoromethane	106			%	02/06/15	JLI	70 - 130 %	
% Toluene-d8	89			%	02/06/15	JLI	70 - 130 %	
Vinyl Acetate	ND	25	25	ug/Kg	02/06/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

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 12, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 12, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/05/15	9:15
Location Code:	IMPACT	Received by:	SW	02/05/15	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70938
Phoenix ID: BH70939

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 22 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.32	0.32	0.32	mg/Kg	02/06/15	LK	SW6010	
Aluminum	1240	4.9	0.65	mg/Kg	02/06/15	LK	SW6010	
Arsenic	0.9	0.6	0.65	mg/Kg	02/06/15	LK	SW6010	
Barium	9.86	0.32	0.32	mg/Kg	02/06/15	LK	SW6010	
Beryllium	< 0.26	0.26	0.13	mg/Kg	02/06/15	LK	SW6010	
Calcium	795	4.9	3.0	mg/Kg	02/06/15	LK	SW6010	
Cadmium	< 0.32	0.32	0.13	mg/Kg	02/06/15	LK	SW6010	
Cobalt	1.20	0.32	0.32	mg/Kg	02/06/15	LK	SW6010	
Chromium	4.06	0.32	0.32	mg/Kg	02/06/15	LK	SW6010	
Copper	6.22	0.32	0.32	mg/kg	02/06/15	LK	SW6010	
Iron	2880	4.9	3.2	mg/Kg	02/06/15	LK	SW6010	B
Mercury	0.04	0.03	0.02	mg/Kg	02/06/15	RS	SW-7471	
Potassium	194	4.9	2.5	mg/Kg	02/06/15	LK	SW6010	
Magnesium	767	4.9	3.2	mg/Kg	02/06/15	LK	SW6010	
Manganese	51.9	0.32	0.32	mg/Kg	02/06/15	LK	SW6010	
Sodium	150	4.9	2.8	mg/Kg	02/06/15	LK	SW6010	
Nickel	4.35	0.32	0.32	mg/Kg	02/06/15	LK	SW6010	B
Lead	18.7	0.32	0.32	mg/Kg	02/06/15	LK	SW6010	
Antimony	< 3.2	3.2	1.6	mg/Kg	02/06/15	LK	SW6010	
Selenium	< 1.3	1.3	1.1	mg/Kg	02/06/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/06/15	EK	SW6010	
TCLP Barium	0.38	0.10	0.010	mg/L	02/06/15	EK	SW6010	B
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/06/15	EK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/06/15	RS	SW7470	
TCLP Lead	0.12	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/06/15	EK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 22 COMP

Phoenix I.D.: BH70939

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 2.9	2.9	1.3	mg/Kg	02/06/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/06/15	I/I	SW3005	
Trivalent Chromium	4.06	0.50		mg/kg	02/10/15	CL	Calculation	
Vanadium	4.94	0.32	0.32	mg/Kg	02/06/15	LK	SW6010	
Zinc	22.9	0.32	0.32	mg/Kg	02/06/15	LK	SW6010	
Percent Solid	94			%	02/05/15	i	SW846	
Corrosivity	Negative			Pos/Neg	02/05/15	DH/KDB	SW846	1
Flash Point	>200	200		degree F	02/06/15	Y	SW1010	
Chromium, Hexavalent	< 0.43	0.43	0.43	mg/Kg	02/10/15 10:46	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/06/15	Y	SW846	1
pH - Soil	8.85	0.10		pH Units	02/05/15 22:00	DH/KDB	4500-H B/9045	1
Reactivity Cyanide	< 5.3	5.3	0.027	mg/Kg	02/06/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/06/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/06/15	EG	SW 846-7.3	1
Redox Potential	180	1.0		mV	02/05/15	DH/KDB	SM2580B	1
Total Cyanide	< 0.48	0.48	0.24	mg/Kg	02/05/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				02/05/15	JC/H	SW3545	
Soil Extraction for Pesticide	Completed				02/05/15	JC	SW3545	
Soil Extraction for SVOA	Completed				02/05/15	JJ/VH	SW3545	
Mercury Digestion	Completed				02/06/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/05/15	P/D	SW8151	
TCLP Digestion Mercury	Completed				02/06/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/06/15	F/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				02/05/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				02/05/15	I	1311	
TCLP Pesticides Extraction	Completed				02/06/15	L	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/06/15	L	SW3510	
TCLP Extraction Volatiles	Completed				02/05/15	Y	EPA 1311	
Total Metals Digest	Completed				02/05/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				02/05/15	CC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	44	44	ug/Kg	02/07/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	44	44	ug/Kg	02/07/15	BB	SW8151	
2,4-D	ND	44	44	ug/Kg	02/07/15	BB	SW8151	
2,4-DB	ND	440	440	ug/Kg	02/07/15	BB	SW8151	
Dalapon	ND	44	44	ug/Kg	02/07/15	BB	SW8151	
Dicamba	ND	89	89	ug/Kg	02/07/15	BB	SW8151	
Dichloroprop	ND	44	44	ug/Kg	02/07/15	BB	SW8151	
Dinoseb	ND	89	89	ug/Kg	02/07/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	62			%	02/07/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	70	70	ug/Kg	02/06/15	AW	SW 8082	
PCB-1221	ND	70	70	ug/Kg	02/06/15	AW	SW 8082	
PCB-1232	ND	70	70	ug/Kg	02/06/15	AW	SW 8082	
PCB-1242	ND	70	70	ug/Kg	02/06/15	AW	SW 8082	
PCB-1248	ND	70	70	ug/Kg	02/06/15	AW	SW 8082	
PCB-1254	ND	70	70	ug/Kg	02/06/15	AW	SW 8082	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	70	70	ug/Kg	02/06/15	AW	SW 8082
PCB-1262	ND	70	70	ug/Kg	02/06/15	AW	SW 8082
PCB-1268	ND	70	70	ug/Kg	02/06/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	87			%	02/06/15	AW	30 - 150 %
% TCMX	86			%	02/06/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.1	2.1	ug/Kg	02/06/15	CE	SW8081
4,4' -DDE	ND	2.1	2.1	ug/Kg	02/06/15	CE	SW8081
4,4' -DDT	ND	2.1	2.1	ug/Kg	02/06/15	CE	SW8081
a-BHC	ND	7.0	7.0	ug/Kg	02/06/15	CE	SW8081
a-Chlordane	ND	3.5	3.5	ug/Kg	02/06/15	CE	SW8081
Aldrin	ND	3.5	3.5	ug/Kg	02/06/15	CE	SW8081
b-BHC	ND	7.0	7.0	ug/Kg	02/06/15	CE	SW8081
Chlordane	ND	35	35	ug/Kg	02/06/15	CE	SW8081
d-BHC	ND	7.0	7.0	ug/Kg	02/06/15	CE	SW8081
Dieldrin	ND	3.5	3.5	ug/Kg	02/06/15	CE	SW8081
Endosulfan I	ND	7.0	7.0	ug/Kg	02/06/15	CE	SW8081
Endosulfan II	ND	7.0	7.0	ug/Kg	02/06/15	CE	SW8081
Endosulfan sulfate	ND	7.0	7.0	ug/Kg	02/06/15	CE	SW8081
Endrin	ND	7.0	7.0	ug/Kg	02/06/15	CE	SW8081
Endrin aldehyde	ND	7.0	7.0	ug/Kg	02/06/15	CE	SW8081
Endrin ketone	ND	7.0	7.0	ug/Kg	02/06/15	CE	SW8081
g-BHC	ND	1.4	1.4	ug/Kg	02/06/15	CE	SW8081
g-Chlordane	ND	3.5	3.5	ug/Kg	02/06/15	CE	SW8081
Heptachlor	ND	7.0	7.0	ug/Kg	02/06/15	CE	SW8081
Heptachlor epoxide	ND	7.0	7.0	ug/Kg	02/06/15	CE	SW8081
Methoxychlor	ND	35	35	ug/Kg	02/06/15	CE	SW8081
Toxaphene	ND	140	140	ug/Kg	02/06/15	CE	SW8081
QA/QC Surrogates							
% DCBP	82			%	02/06/15	CE	30 - 150 %
% TCMX	76			%	02/06/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
QA/QC Surrogates							
% DCAA	81			%	02/10/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/08/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/08/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/08/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/08/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/08/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/08/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/08/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/08/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/08/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/08/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/08/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/08/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/08/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	83			%	02/08/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	78			%	02/08/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	53	53	mg/Kg	02/07/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	76			%	02/07/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/06/15	MH	SW8260
Benzene	ND	25	25	ug/L	02/06/15	MH	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/06/15	MH	SW8260
Chlorobenzene	ND	25	25	ug/L	02/06/15	MH	SW8260
Chloroform	ND	25	25	ug/L	02/06/15	MH	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/06/15	MH	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
Trichloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
Vinyl chloride	ND	25	25	ug/L	02/06/15	MH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101			%	02/06/15	MH	70 - 130 %
% Bromofluorobenzene	90			%	02/06/15	MH	70 - 130 %
% Dibromofluoromethane	95			%	02/06/15	MH	70 - 130 %
% Toluene-d8	96			%	02/06/15	MH	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	250	110	ug/Kg	02/06/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	250	120	ug/Kg	02/06/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	350	350	ug/Kg	02/06/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	250	160	ug/Kg	02/06/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	02/06/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	02/06/15	DD	SW 8270
2,4-Dichlorophenol	ND	140	120	ug/Kg	02/06/15	DD	SW 8270
2,4-Dimethylphenol	ND	250	87	ug/Kg	02/06/15	DD	SW 8270
2,4-Dinitrophenol	ND	250	250	ug/Kg	02/06/15	DD	SW 8270
2,4-Dinitrotoluene	ND	140	140	ug/Kg	02/06/15	DD	SW 8270
2,6-Dinitrotoluene	ND	140	110	ug/Kg	02/06/15	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	02/06/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 22 COMP

Phoenix I.D.: BH70939

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND	250	100	ug/Kg	02/06/15	DD	SW 8270	
2-Methylnaphthalene	ND	250	100	ug/Kg	02/06/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	02/06/15	DD	SW 8270	
2-Nitroaniline	ND	1800	360	ug/Kg	02/06/15	DD	SW 8270	
2-Nitrophenol	ND	250	220	ug/Kg	02/06/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	02/06/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	140	170	ug/Kg	02/06/15	DD	SW 8270	
3-Nitroaniline	ND	1800	770	ug/Kg	02/06/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	250	380	ug/Kg	02/06/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	02/06/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND	250	120	ug/Kg	02/06/15	DD	SW 8270	
4-Chloroaniline	ND	700	160	ug/Kg	02/06/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	02/06/15	DD	SW 8270	
4-Nitroaniline	ND	1800	120	ug/Kg	02/06/15	DD	SW 8270	
4-Nitrophenol	ND	1800	160	ug/Kg	02/06/15	DD	SW 8270	
Acenaphthene	ND	250	110	ug/Kg	02/06/15	DD	SW 8270	
Acenaphthylene	ND	140	99	ug/Kg	02/06/15	DD	SW 8270	
Acetophenone	ND	250	110	ug/Kg	02/06/15	DD	SW 8270	
Anthracene	ND	250	120	ug/Kg	02/06/15	DD	SW 8270	
Atrazine	ND	140	160	ug/Kg	02/06/15	DD	SW 8270	
Benz(a)anthracene	ND	250	120	ug/Kg	02/06/15	DD	SW 8270	
Benzaldehyde	ND	250	100	ug/Kg	02/06/15	DD	SW 8270	
Benzidine	ND	530	530	ug/Kg	02/06/15	DD	SW 8270	
Benzo(a)pyrene	ND	140	110	ug/Kg	02/06/15	DD	SW 8270	
Benzo(b)fluoranthene	ND	250	120	ug/Kg	02/06/15	DD	SW 8270	
Benzo(ghi)perylene	ND	250	110	ug/Kg	02/06/15	DD	SW 8270	
Benzo(k)fluoranthene	ND	250	120	ug/Kg	02/06/15	DD	SW 8270	
Benzyl Alcohol	ND	350	350	ug/Kg	02/06/15	DD	SW 8270	
Benzyl butyl phthalate	ND	250	91	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	250	97	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	140	95	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	250	98	ug/Kg	02/06/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	02/06/15	DD	SW 8270	
Caprolactam	ND	250	630	ug/Kg	02/06/15	DD	SW 8270	
Carbazole	ND	1800	270	ug/Kg	02/06/15	DD	SW 8270	
Chrysene	ND	250	120	ug/Kg	02/06/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND	140	110	ug/Kg	02/06/15	DD	SW 8270	
Dibenzofuran	ND	250	100	ug/Kg	02/06/15	DD	SW 8270	
Diethyl phthalate	ND	250	110	ug/Kg	02/06/15	DD	SW 8270	
Dimethylphthalate	ND	250	110	ug/Kg	02/06/15	DD	SW 8270	
Di-n-butylphthalate	ND	250	94	ug/Kg	02/06/15	DD	SW 8270	
Di-n-octylphthalate	ND	250	91	ug/Kg	02/06/15	DD	SW 8270	
Fluoranthene	ND	250	110	ug/Kg	02/06/15	DD	SW 8270	
Fluorene	ND	250	120	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorobenzene	ND	140	100	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorobutadiene	ND	250	130	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	02/06/15	DD	SW 8270	
Hexachloroethane	ND	140	110	ug/Kg	02/06/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	02/06/15	DD	SW 8270	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND	140	99	ug/Kg	02/06/15	DD	SW 8270	
Naphthalene	ND	250	100	ug/Kg	02/06/15	DD	SW 8270	
Nitrobenzene	ND	140	120	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodimethylamine	ND	250	99	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	140	110	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND	140	140	ug/Kg	02/06/15	DD	SW 8270	
Pentachlorophenol	ND	250	130	ug/Kg	02/06/15	DD	SW 8270	
Phenanthrene	ND	140	100	ug/Kg	02/06/15	DD	SW 8270	
Phenol	ND	250	110	ug/Kg	02/06/15	DD	SW 8270	
Pyrene	ND	250	120	ug/Kg	02/06/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	73			%	02/06/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	87			%	02/06/15	DD	30 - 130 %	
% 2-Fluorophenol	77			%	02/06/15	DD	30 - 130 %	
% Nitrobenzene-d5	68			%	02/06/15	DD	30 - 130 %	
% Phenol-d5	77			%	02/06/15	DD	30 - 130 %	
% Terphenyl-d14	86			%	02/06/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral								
1,4-Dichlorobenzene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND	83	83	ug/L	02/08/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND	83	83	ug/L	02/08/15	DD	SW 8270	
2,4-Dinitrotoluene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	83	83	ug/L	02/08/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Hexachlorobenzene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Hexachlorobutadiene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Hexachloroethane	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Nitrobenzene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Pentachlorophenol	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Pyridine	ND	83	83	ug/L	02/08/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	92			%	02/08/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	69			%	02/08/15	DD	30 - 130 %	
% 2-Fluorophenol	51			%	02/08/15	DD	15 - 110 %	
% Nitrobenzene-d5	68			%	02/08/15	DD	30 - 130 %	
% Phenol-d5	45			%	02/08/15	DD	15 - 110 %	
% Terphenyl-d14	88			%	02/08/15	DD	30 - 130 %	
Aniline	ND	330		ug/Kg	02/06/15	DD	SW8270	
Benzoic Acid	ND	330		ug/Kg	02/06/15	DD	SW8270	1
Parathion	ND	350	140	ug/Kg	02/06/15	DD	SW8270	1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

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

Comments:

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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 12, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 12, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/05/15	9:35
Location Code:	IMPACT	Received by:	SW	02/05/15	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70938
Phoenix ID: BH70940

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 26 2-3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/05/15	i	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	260	52	ug/Kg	02/05/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	260	52	ug/Kg	02/05/15	JLI	SW8260
1,3-Dichlorobenzene	ND	260	52	ug/Kg	02/05/15	JLI	SW8260
Naphthalene	ND	260	70	ug/Kg	02/05/15	JLI	SW8260
n-Butylbenzene	ND	260	52	ug/Kg	02/05/15	JLI	SW8260
n-Propylbenzene	ND	260	52	ug/Kg	02/05/15	JLI	SW8260
p-Isopropyltoluene	ND	260	52	ug/Kg	02/05/15	JLI	SW8260
sec-Butylbenzene	ND	260	52	ug/Kg	02/05/15	JLI	SW8260
tert-Butylbenzene	ND	260	52	ug/Kg	02/05/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	95			%	02/05/15	JLI	SW8260
% Bromofluorobenzene	68			%	02/07/15	JLI	SW8260
% Dibromofluoromethane	109			%	02/07/15	JLI	SW8260
% Toluene-d8	83			%	02/07/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	68	68	ug/kg	02/07/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	3.4	0.68	ug/Kg	02/07/15	JLI	SW8260
1,1,1-Trichloroethane	ND	3.4	0.68	ug/Kg	02/07/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	3.4	0.48	ug/Kg	02/07/15	JLI	SW8260
1,1,2-Trichloroethane	ND	3.4	0.33	ug/Kg	02/07/15	JLI	SW8260
1,1-Dichloroethane	ND	3.4	0.67	ug/Kg	02/07/15	JLI	SW8260
1,1-Dichloroethene	ND	3.4	0.74	ug/Kg	02/07/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 26 2-3

Phoenix I.D.: BH70940

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		260	35	ug/Kg	02/05/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		260	31	ug/Kg	02/05/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		80	70	ug/Kg	02/05/15	JLI	SW8260
1,2-Dibromoethane	ND		3.4	0.90	ug/Kg	02/07/15	JLI	SW8260
1,2-Dichlorobenzene	ND		260	29	ug/Kg	02/05/15	JLI	SW8260
1,2-Dichloroethane	ND		3.4	0.30	ug/Kg	02/07/15	JLI	SW8260
1,2-Dichloropropane	ND		3.4	0.48	ug/Kg	02/07/15	JLI	SW8260
1,3-Dichlorobenzene	ND		260	39	ug/Kg	02/05/15	JLI	SW8260
1,4-Dichlorobenzene	ND		260	41	ug/Kg	02/05/15	JLI	SW8260
2-Hexanone	ND		17	1.5	ug/Kg	02/07/15	JLI	SW8260
4-Methyl-2-pentanone	ND		17	0.81	ug/Kg	02/07/15	JLI	SW8260
Acetone	ND		34	3.4	ug/Kg	02/07/15	JLI	SW8260
Acrolein	ND		17	2.7	ug/Kg	02/07/15	JLI	SW8260
Acrylonitrile	ND		6.8	1.9	ug/Kg	02/07/15	JLI	SW8260
Benzene	ND		3.4	0.67	ug/Kg	02/07/15	JLI	SW8260
Bromochloromethane	ND		3.4	0.50	ug/Kg	02/07/15	JLI	SW8260
Bromodichloromethane	ND		3.4	0.42	ug/Kg	02/07/15	JLI	SW8260
Bromoform	ND		3.4	0.48	ug/Kg	02/07/15	JLI	SW8260
Bromomethane	ND		3.4	2.6	ug/Kg	02/07/15	JLI	SW8260
Carbon Disulfide	ND		3.4	0.55	ug/Kg	02/07/15	JLI	SW8260
Carbon tetrachloride	ND		3.4	0.39	ug/Kg	02/07/15	JLI	SW8260
Chlorobenzene	ND		3.4	0.50	ug/Kg	02/07/15	JLI	SW8260
Chloroethane	ND		3.4	0.80	ug/Kg	02/07/15	JLI	SW8260
Chloroform	ND		3.4	0.62	ug/Kg	02/07/15	JLI	SW8260
Chloromethane	ND		3.4	1.8	ug/Kg	02/07/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		3.4	0.74	ug/Kg	02/07/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		3.4	0.37	ug/Kg	02/07/15	JLI	SW8260
Cyclohexane	ND		3.4	3.4	ug/Kg	02/07/15	JLI	SW8260
Dibromochloromethane	ND		3.4	0.38	ug/Kg	02/07/15	JLI	SW8260
Dichlorodifluoromethane	ND		3.4	0.90	ug/Kg	02/07/15	JLI	SW8260
Ethylbenzene	ND		3.4	0.62	ug/Kg	02/07/15	JLI	SW8260
Isopropylbenzene	ND		260	50	ug/Kg	02/05/15	JLI	SW8260
m&p-Xylene	ND		3.4	1.3	ug/Kg	02/07/15	JLI	SW8260
Methyl ethyl ketone	ND		20	3.0	ug/Kg	02/07/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		6.8	0.94	ug/Kg	02/07/15	JLI	SW8260
Methylacetate	ND		3.4	3.4	ug/Kg	02/07/15	JLI	SW8260
Methylcyclohexane	ND		3.4	3.4	ug/Kg	02/07/15	JLI	SW8260
Methylene chloride	0.73	JS	3.4	0.56	ug/Kg	02/07/15	JLI	SW8260
o-Xylene	ND		3.4	1.3	ug/Kg	02/07/15	JLI	SW8260
Styrene	ND		3.4	0.98	ug/Kg	02/07/15	JLI	SW8260
tert-butyl alcohol	ND		68	68	ug/Kg	02/07/15	JLI	SW8260
Tetrachloroethene	ND		3.4	0.71	ug/Kg	02/07/15	JLI	SW8260
Toluene	0.56	J	3.4	0.54	ug/Kg	02/07/15	JLI	SW8260
Total Xylenes	ND		3.4	3.4	ug/Kg	02/07/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		3.4	0.68	ug/Kg	02/07/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		3.4	0.69	ug/Kg	02/07/15	JLI	SW8260
Trichloroethene	ND		3.4	0.72	ug/Kg	02/07/15	JLI	SW8260
Trichlorofluoromethane	ND		3.4	0.75	ug/Kg	02/07/15	JLI	SW8260
Trichlorotrifluoroethane	ND		3.4	0.53	ug/Kg	02/07/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 26 2-3

Phoenix I.D.: BH70940

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	3.4	1.1	ug/Kg	02/07/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	96			%	02/05/15	JLI	70 - 130 %	
% Bromofluorobenzene	93			%	02/05/15	JLI	70 - 130 %	
% Dibromofluoromethane	109			%	02/07/15	JLI	70 - 130 %	
% Toluene-d8	83			%	02/07/15	JLI	70 - 130 %	
Vinyl Acetate	ND	34	34	ug/Kg	02/07/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
February 12, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 12, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/05/15	9:35
Location Code:	IMPACT	Received by:	SW	02/05/15	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70938
Phoenix ID: BH70941

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 26 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.40	0.40	0.40	mg/Kg	02/06/15	LK	SW6010	
Aluminum	3260	60	8.0	mg/Kg	02/06/15	LK	SW6010	
Arsenic	5.0	0.8	0.80	mg/Kg	02/06/15	LK	SW6010	
Barium	70.1	0.40	0.40	mg/Kg	02/06/15	LK	SW6010	
Beryllium	0.39	0.32	0.16	mg/Kg	02/06/15	LK	SW6010	
Calcium	3370	6.0	3.7	mg/Kg	02/06/15	LK	SW6010	
Cadmium	< 0.40	0.40	0.16	mg/Kg	02/06/15	LK	SW6010	
Cobalt	3.84	0.40	0.40	mg/Kg	02/06/15	LK	SW6010	
Chromium	10.7	0.40	0.40	mg/Kg	02/06/15	LK	SW6010	
Copper	16.6	0.40	0.40	mg/kg	02/06/15	LK	SW6010	
Iron	6440	6.0	4.0	mg/Kg	02/06/15	LK	SW6010	B
Mercury	0.09	0.03	0.02	mg/Kg	02/06/15	RS	SW-7471	
Potassium	866	6.0	3.1	mg/Kg	02/06/15	LK	SW6010	
Magnesium	1780	6.0	4.0	mg/Kg	02/06/15	LK	SW6010	
Manganese	103	0.40	0.40	mg/Kg	02/06/15	LK	SW6010	
Sodium	183	6.0	3.5	mg/Kg	02/06/15	LK	SW6010	
Nickel	12.2	0.40	0.40	mg/Kg	02/06/15	LK	SW6010	B
Lead	61.0	0.40	0.40	mg/Kg	02/06/15	LK	SW6010	
Antimony	< 4.0	4.0	2.0	mg/Kg	02/06/15	LK	SW6010	
Selenium	< 1.6	1.6	1.4	mg/Kg	02/06/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/06/15	EK	SW6010	
TCLP Barium	0.92	0.10	0.010	mg/L	02/06/15	EK	SW6010	B
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/06/15	EK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/06/15	RS	SW7470	
TCLP Lead	0.29	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/06/15	EK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 26 COMP

Phoenix I.D.: BH70941

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.6	3.6	1.6	mg/Kg	02/06/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/06/15	I/I	SW3005	
Trivalent Chromium	10.7	0.50		mg/kg	02/10/15	CL	Calculation	
Vanadium	9.98	0.40	0.40	mg/Kg	02/06/15	LK	SW6010	
Zinc	97.5	0.40	0.40	mg/Kg	02/06/15	LK	SW6010	
Percent Solid	89			%	02/05/15	i	SW846	
Corrosivity	Negative			Pos/Neg	02/05/15	DH/KDB	SW846	1
Flash Point	>200	200		degree F	02/06/15	Y	SW1010	
Chromium, Hexavalent	< 0.45	0.45	0.45	mg/Kg	02/10/15 10:46	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/06/15	Y	SW846	1
pH - Soil	9.36	0.10		pH Units	02/05/15 22:00	DH/KDB	4500-H B/9045	1
Reactivity Cyanide	< 5.5	5.5	0.027	mg/Kg	02/06/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/06/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/06/15	EG	SW 846-7.3	1
Redox Potential	150	1.0		mV	02/05/15	DH/KDB	SM2580B	1
Total Cyanide	< 0.56	0.56	0.28	mg/Kg	02/05/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				02/05/15	JC/H	SW3545	
Soil Extraction for Pesticide	Completed				02/05/15	JC	SW3545	
Soil Extraction for SVOA	Completed				02/05/15	JJ/VH	SW3545	
Mercury Digestion	Completed				02/06/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/05/15	P/D	SW8151	
TCLP Digestion Mercury	Completed				02/06/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/06/15	F/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				02/05/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				02/05/15	I	1311	
TCLP Pesticides Extraction	Completed				02/06/15	L	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/06/15	L	SW3510	
TCLP Extraction Volatiles	Completed				02/05/15	Y	EPA 1311	
Total Metals Digest	Completed				02/05/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				02/05/15	CC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	46	46	ug/Kg	02/07/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	46	46	ug/Kg	02/07/15	BB	SW8151	
2,4-D	ND	46	46	ug/Kg	02/07/15	BB	SW8151	
2,4-DB	ND	460	460	ug/Kg	02/07/15	BB	SW8151	
Dalapon	ND	46	46	ug/Kg	02/07/15	BB	SW8151	
Dicamba	ND	92	92	ug/Kg	02/07/15	BB	SW8151	
Dichloroprop	ND	46	46	ug/Kg	02/07/15	BB	SW8151	
Dinoseb	ND	92	92	ug/Kg	02/07/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	66			%	02/07/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	75	75	ug/Kg	02/06/15	AW	SW 8082	
PCB-1221	ND	75	75	ug/Kg	02/06/15	AW	SW 8082	
PCB-1232	ND	75	75	ug/Kg	02/06/15	AW	SW 8082	
PCB-1242	ND	75	75	ug/Kg	02/06/15	AW	SW 8082	
PCB-1248	ND	75	75	ug/Kg	02/06/15	AW	SW 8082	
PCB-1254	ND	75	75	ug/Kg	02/06/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 26 COMP

Phoenix I.D.: BH70941

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	75	75	ug/Kg	02/06/15	AW	SW 8082
PCB-1262	ND	75	75	ug/Kg	02/06/15	AW	SW 8082
PCB-1268	ND	75	75	ug/Kg	02/06/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	83			%	02/06/15	AW	30 - 150 %
% TCMX	90			%	02/06/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.2	2.2	ug/Kg	02/07/15	CE	SW8081
4,4' -DDE	ND	2.2	2.2	ug/Kg	02/07/15	CE	SW8081
4,4' -DDT	ND	2.2	2.2	ug/Kg	02/07/15	CE	SW8081
a-BHC	ND	7.5	7.5	ug/Kg	02/07/15	CE	SW8081
a-Chlordane	ND	3.7	3.7	ug/Kg	02/07/15	CE	SW8081
Aldrin	ND	3.7	3.7	ug/Kg	02/07/15	CE	SW8081
b-BHC	ND	7.5	7.5	ug/Kg	02/07/15	CE	SW8081
Chlordane	ND	37	37	ug/Kg	02/07/15	CE	SW8081
d-BHC	ND	7.5	7.5	ug/Kg	02/07/15	CE	SW8081
Dieldrin	ND	3.7	3.7	ug/Kg	02/07/15	CE	SW8081
Endosulfan I	ND	7.5	7.5	ug/Kg	02/07/15	CE	SW8081
Endosulfan II	ND	7.5	7.5	ug/Kg	02/07/15	CE	SW8081
Endosulfan sulfate	ND	7.5	7.5	ug/Kg	02/07/15	CE	SW8081
Endrin	ND	7.5	7.5	ug/Kg	02/07/15	CE	SW8081
Endrin aldehyde	ND	7.5	7.5	ug/Kg	02/07/15	CE	SW8081
Endrin ketone	ND	7.5	7.5	ug/Kg	02/07/15	CE	SW8081
g-BHC	ND	1.5	1.5	ug/Kg	02/07/15	CE	SW8081
g-Chlordane	ND	3.7	3.7	ug/Kg	02/07/15	CE	SW8081
Heptachlor	ND	7.5	7.5	ug/Kg	02/07/15	CE	SW8081
Heptachlor epoxide	ND	7.5	7.5	ug/Kg	02/07/15	CE	SW8081
Methoxychlor	ND	37	37	ug/Kg	02/07/15	CE	SW8081
Toxaphene	ND	150	150	ug/Kg	02/07/15	CE	SW8081
QA/QC Surrogates							
% DCBP	42			%	02/07/15	CE	30 - 150 %
% TCMX	65			%	02/07/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
QA/QC Surrogates							
% DCAA	66			%	02/10/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/08/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/08/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/08/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/08/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/08/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/08/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/08/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/08/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/08/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/08/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/08/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/08/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/08/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	79			%	02/08/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	77			%	02/08/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	56	56	mg/Kg	02/07/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	93			%	02/07/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/06/15	MH	SW8260
Benzene	ND	25	25	ug/L	02/06/15	MH	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/06/15	MH	SW8260
Chlorobenzene	ND	25	25	ug/L	02/06/15	MH	SW8260
Chloroform	ND	25	25	ug/L	02/06/15	MH	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/06/15	MH	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
Trichloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
Vinyl chloride	ND	25	25	ug/L	02/06/15	MH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101			%	02/06/15	MH	70 - 130 %
% Bromofluorobenzene	92			%	02/06/15	MH	70 - 130 %
% Dibromofluoromethane	96			%	02/06/15	MH	70 - 130 %
% Toluene-d8	97			%	02/06/15	MH	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	260	110	ug/Kg	02/06/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	02/06/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	370	370	ug/Kg	02/06/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	260	170	ug/Kg	02/06/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	02/06/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	02/06/15	DD	SW 8270
2,4-Dichlorophenol	ND	150	130	ug/Kg	02/06/15	DD	SW 8270
2,4-Dimethylphenol	ND	260	91	ug/Kg	02/06/15	DD	SW 8270
2,4-Dinitrophenol	ND	260	260	ug/Kg	02/06/15	DD	SW 8270
2,4-Dinitrotoluene	ND	150	140	ug/Kg	02/06/15	DD	SW 8270
2,6-Dinitrotoluene	ND	150	120	ug/Kg	02/06/15	DD	SW 8270
2-Chloronaphthalene	ND	260	100	ug/Kg	02/06/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 26 COMP

Phoenix I.D.: BH70941

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		260	100	ug/Kg	02/06/15	DD	SW 8270	
2-Methylnaphthalene	ND		260	110	ug/Kg	02/06/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		260	170	ug/Kg	02/06/15	DD	SW 8270	
2-Nitroaniline	ND		1800	370	ug/Kg	02/06/15	DD	SW 8270	
2-Nitrophenol	ND		260	230	ug/Kg	02/06/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		260	140	ug/Kg	02/06/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		150	170	ug/Kg	02/06/15	DD	SW 8270	
3-Nitroaniline	ND		1800	800	ug/Kg	02/06/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		260	400	ug/Kg	02/06/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		260	110	ug/Kg	02/06/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		260	130	ug/Kg	02/06/15	DD	SW 8270	
4-Chloroaniline	ND		740	170	ug/Kg	02/06/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		260	120	ug/Kg	02/06/15	DD	SW 8270	
4-Nitroaniline	ND		1800	120	ug/Kg	02/06/15	DD	SW 8270	
4-Nitrophenol	ND		1800	170	ug/Kg	02/06/15	DD	SW 8270	
Acenaphthene	ND		260	110	ug/Kg	02/06/15	DD	SW 8270	
Acenaphthylene	ND		150	100	ug/Kg	02/06/15	DD	SW 8270	
Acetophenone	ND		260	110	ug/Kg	02/06/15	DD	SW 8270	
Anthracene	ND		260	120	ug/Kg	02/06/15	DD	SW 8270	
Atrazine	ND		150	160	ug/Kg	02/06/15	DD	SW 8270	
Benz(a)anthracene	280		260	120	ug/Kg	02/06/15	DD	SW 8270	
Benzaldehyde	ND		260	110	ug/Kg	02/06/15	DD	SW 8270	
Benzidine	ND		550	550	ug/Kg	02/06/15	DD	SW 8270	
Benzo(a)pyrene	280		150	120	ug/Kg	02/06/15	DD	SW 8270	
Benzo(b)fluoranthene	490		260	130	ug/Kg	02/06/15	DD	SW 8270	
Benzo(ghi)perylene	ND		260	120	ug/Kg	02/06/15	DD	SW 8270	
Benzo(k)fluoranthene	180	J	260	120	ug/Kg	02/06/15	DD	SW 8270	
Benzyl Alcohol	ND		370	370	ug/Kg	02/06/15	DD	SW 8270	
Benzyl butyl phthalate	ND		260	95	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		260	100	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		150	99	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		260	100	ug/Kg	02/06/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		260	110	ug/Kg	02/06/15	DD	SW 8270	
Caprolactam	ND		260	660	ug/Kg	02/06/15	DD	SW 8270	
Carbazole	ND		1800	280	ug/Kg	02/06/15	DD	SW 8270	
Chrysene	350		260	120	ug/Kg	02/06/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		150	120	ug/Kg	02/06/15	DD	SW 8270	
Dibenzofuran	ND		260	110	ug/Kg	02/06/15	DD	SW 8270	
Diethyl phthalate	ND		260	120	ug/Kg	02/06/15	DD	SW 8270	
Dimethylphthalate	ND		260	110	ug/Kg	02/06/15	DD	SW 8270	
Di-n-butylphthalate	ND		260	98	ug/Kg	02/06/15	DD	SW 8270	
Di-n-octylphthalate	ND		260	95	ug/Kg	02/06/15	DD	SW 8270	
Fluoranthene	620		260	120	ug/Kg	02/06/15	DD	SW 8270	
Fluorene	ND		260	120	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorobenzene	ND		150	110	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorobutadiene	ND		260	130	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		260	110	ug/Kg	02/06/15	DD	SW 8270	
Hexachloroethane	ND		150	110	ug/Kg	02/06/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND		260	120	ug/Kg	02/06/15	DD	SW 8270	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 26 COMP

Phoenix I.D.: BH70941

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND	150	100	ug/Kg	02/06/15	DD	SW 8270	
Naphthalene	ND	260	110	ug/Kg	02/06/15	DD	SW 8270	
Nitrobenzene	ND	150	130	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodimethylamine	ND	260	100	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	150	120	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND	150	140	ug/Kg	02/06/15	DD	SW 8270	
Pentachlorophenol	ND	260	140	ug/Kg	02/06/15	DD	SW 8270	
Phenanthrene	460	150	110	ug/Kg	02/06/15	DD	SW 8270	
Phenol	ND	260	120	ug/Kg	02/06/15	DD	SW 8270	
Pyrene	520	260	130	ug/Kg	02/06/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	77			%	02/06/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	92			%	02/06/15	DD	30 - 130 %	
% 2-Fluorophenol	88			%	02/06/15	DD	30 - 130 %	
% Nitrobenzene-d5	80			%	02/06/15	DD	30 - 130 %	
% Phenol-d5	87			%	02/06/15	DD	30 - 130 %	
% Terphenyl-d14	101			%	02/06/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral								
1,4-Dichlorobenzene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND	83	83	ug/L	02/08/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND	83	83	ug/L	02/08/15	DD	SW 8270	
2,4-Dinitrotoluene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	83	83	ug/L	02/08/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Hexachlorobenzene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Hexachlorobutadiene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Hexachloroethane	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Nitrobenzene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Pentachlorophenol	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Pyridine	ND	83	83	ug/L	02/08/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	102			%	02/08/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	80			%	02/08/15	DD	30 - 130 %	
% 2-Fluorophenol	61			%	02/08/15	DD	15 - 110 %	
% Nitrobenzene-d5	85			%	02/08/15	DD	30 - 130 %	
% Phenol-d5	53			%	02/08/15	DD	15 - 110 %	
% Terphenyl-d14	104			%	02/08/15	DD	30 - 130 %	
Aniline	ND	330		ug/Kg	02/06/15	DD	SW8270	
Benzoic Acid	ND	330		ug/Kg	02/06/15	DD	SW8270	1
Parathion	ND	370	150	ug/Kg	02/06/15	DD	SW8270	1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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 12, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 12, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/05/15	10:00
Location Code:	IMPACT	Received by:	SW	02/05/15	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70938
Phoenix ID: BH70942

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 34 2-3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/05/15	i	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	3.4	0.67	ug/Kg	02/07/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	3.4	0.67	ug/Kg	02/07/15	JLI	SW8260
1,3-Dichlorobenzene	ND	3.4	0.67	ug/Kg	02/07/15	JLI	SW8260
Naphthalene	ND	3.4	0.90	ug/Kg	02/07/15	JLI	SW8260
n-Butylbenzene	ND	3.4	0.67	ug/Kg	02/07/15	JLI	SW8260
n-Propylbenzene	ND	3.4	0.67	ug/Kg	02/07/15	JLI	SW8260
p-Isopropyltoluene	ND	3.4	0.67	ug/Kg	02/07/15	JLI	SW8260
sec-Butylbenzene	ND	3.4	0.67	ug/Kg	02/07/15	JLI	SW8260
tert-Butylbenzene	ND	3.4	0.67	ug/Kg	02/07/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	95			%	02/07/15	JLI	SW8260
% Bromofluorobenzene	89			%	02/07/15	JLI	SW8260
% Dibromofluoromethane	40			%	02/07/15	JLI	SW8260
% Toluene-d8	87			%	02/07/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	67	67	ug/kg	02/07/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	3.4	0.67	ug/Kg	02/07/15	JLI	SW8260
1,1,1-Trichloroethane	ND	3.4	0.67	ug/Kg	02/07/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	3.4	0.48	ug/Kg	02/07/15	JLI	SW8260
1,1,2-Trichloroethane	ND	3.4	0.33	ug/Kg	02/07/15	JLI	SW8260
1,1-Dichloroethane	ND	3.4	0.66	ug/Kg	02/07/15	JLI	SW8260
1,1-Dichloroethene	ND	3.4	0.73	ug/Kg	02/07/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 34 2-3

Phoenix I.D.: BH70942

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		3.4	0.45	ug/Kg	02/07/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		3.4	0.40	ug/Kg	02/07/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		3.4	0.90	ug/Kg	02/07/15	JLI	SW8260
1,2-Dibromoethane	ND		3.4	0.89	ug/Kg	02/07/15	JLI	SW8260
1,2-Dichlorobenzene	0.65	J	3.4	0.37	ug/Kg	02/07/15	JLI	SW8260
1,2-Dichloroethane	ND		3.4	0.29	ug/Kg	02/07/15	JLI	SW8260
1,2-Dichloropropane	ND		3.4	0.48	ug/Kg	02/07/15	JLI	SW8260
1,3-Dichlorobenzene	ND		3.4	0.50	ug/Kg	02/07/15	JLI	SW8260
1,4-Dichlorobenzene	ND		3.4	0.53	ug/Kg	02/07/15	JLI	SW8260
2-Hexanone	ND		17	1.5	ug/Kg	02/07/15	JLI	SW8260
4-Methyl-2-pentanone	ND		17	0.80	ug/Kg	02/07/15	JLI	SW8260
Acetone	11	JS	34	3.3	ug/Kg	02/07/15	JLI	SW8260
Acrolein	ND		17	2.7	ug/Kg	02/07/15	JLI	SW8260
Acrylonitrile	ND		6.7	1.9	ug/Kg	02/07/15	JLI	SW8260
Benzene	ND		3.4	0.66	ug/Kg	02/07/15	JLI	SW8260
Bromochloromethane	ND		3.4	0.49	ug/Kg	02/07/15	JLI	SW8260
Bromodichloromethane	ND		3.4	0.42	ug/Kg	02/07/15	JLI	SW8260
Bromoform	ND		3.4	0.47	ug/Kg	02/07/15	JLI	SW8260
Bromomethane	ND		3.4	2.6	ug/Kg	02/07/15	JLI	SW8260
Carbon Disulfide	3.2	J	3.4	0.54	ug/Kg	02/07/15	JLI	SW8260
Carbon tetrachloride	ND		3.4	0.39	ug/Kg	02/07/15	JLI	SW8260
Chlorobenzene	ND		3.4	0.50	ug/Kg	02/07/15	JLI	SW8260
Chloroethane	ND		3.4	0.78	ug/Kg	02/07/15	JLI	SW8260
Chloroform	0.94	J	3.4	0.61	ug/Kg	02/07/15	JLI	SW8260
Chloromethane	ND		3.4	1.8	ug/Kg	02/07/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		3.4	0.73	ug/Kg	02/07/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		3.4	0.36	ug/Kg	02/07/15	JLI	SW8260
Cyclohexane	ND		3.4	3.4	ug/Kg	02/07/15	JLI	SW8260
Dibromochloromethane	ND		3.4	0.38	ug/Kg	02/07/15	JLI	SW8260
Dichlorodifluoromethane	ND		3.4	0.89	ug/Kg	02/07/15	JLI	SW8260
Ethylbenzene	ND		3.4	0.61	ug/Kg	02/07/15	JLI	SW8260
Isopropylbenzene	ND		3.4	0.64	ug/Kg	02/07/15	JLI	SW8260
m&p-Xylene	ND		3.4	1.3	ug/Kg	02/07/15	JLI	SW8260
Methyl ethyl ketone	ND		20	2.9	ug/Kg	02/07/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		6.7	0.92	ug/Kg	02/07/15	JLI	SW8260
Methylacetate	ND		3.4	3.4	ug/Kg	02/07/15	JLI	SW8260
Methylcyclohexane	ND		3.4	3.4	ug/Kg	02/07/15	JLI	SW8260
Methylene chloride	1.2	JS	3.4	0.55	ug/Kg	02/07/15	JLI	SW8260
o-Xylene	ND		3.4	1.3	ug/Kg	02/07/15	JLI	SW8260
Styrene	ND		3.4	0.96	ug/Kg	02/07/15	JLI	SW8260
tert-butyl alcohol	ND		67	67	ug/Kg	02/07/15	JLI	SW8260
Tetrachloroethene	ND		3.4	0.70	ug/Kg	02/07/15	JLI	SW8260
Toluene	ND		3.4	0.53	ug/Kg	02/07/15	JLI	SW8260
Total Xylenes	ND		3.4	3.4	ug/Kg	02/07/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		3.4	0.67	ug/Kg	02/07/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		3.4	0.68	ug/Kg	02/07/15	JLI	SW8260
Trichloroethene	ND		3.4	0.71	ug/Kg	02/07/15	JLI	SW8260
Trichlorofluoromethane	ND		3.4	0.74	ug/Kg	02/07/15	JLI	SW8260
Trichlorotrifluoroethane	ND		3.4	0.52	ug/Kg	02/07/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 34 2-3

Phoenix I.D.: BH70942

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	3.4	1.1	ug/Kg	02/07/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	95			%	02/07/15	JLI	70 - 130 %	
% Bromofluorobenzene	86			%	02/07/15	JLI	70 - 130 %	
% Dibromofluoromethane	40			%	02/07/15	JLI	70 - 130 %	3
% Toluene-d8	87			%	02/07/15	JLI	70 - 130 %	
Vinyl Acetate	ND	34	34	ug/Kg	02/07/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

Volatile Comment:

**Poor surrogate recovery was observed for volatiles due to matrix interference.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
February 12, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 12, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/05/15	10:00
Location Code:	IMPACT	Received by:	SW	02/05/15	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70938
Phoenix ID: BH70943

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 34 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.33	0.33	0.33	mg/Kg	02/06/15	LK	SW6010	
Aluminum	3390	50	6.7	mg/Kg	02/06/15	LK	SW6010	
Arsenic	4.3	0.7	0.67	mg/Kg	02/06/15	LK	SW6010	
Barium	44.1	0.33	0.33	mg/Kg	02/06/15	LK	SW6010	
Beryllium	0.32	0.27	0.13	mg/Kg	02/06/15	LK	SW6010	
Calcium	15800	50	31	mg/Kg	02/06/15	LK	SW6010	
Cadmium	0.37	0.33	0.13	mg/Kg	02/06/15	LK	SW6010	
Cobalt	4.44	0.33	0.33	mg/Kg	02/06/15	LK	SW6010	
Chromium	11.1	0.33	0.33	mg/Kg	02/06/15	LK	SW6010	
Copper	18.5	0.33	0.33	mg/kg	02/06/15	LK	SW6010	
Iron	12100	50	33	mg/Kg	02/06/15	LK	SW6010	B
Mercury	0.10	0.03	0.02	mg/Kg	02/06/15	RS	SW-7471	
Potassium	883	5.0	2.6	mg/Kg	02/06/15	LK	SW6010	
Magnesium	8240	50	33	mg/Kg	02/06/15	LK	SW6010	
Manganese	138	3.3	3.3	mg/Kg	02/06/15	LK	SW6010	
Sodium	151	5.0	2.9	mg/Kg	02/06/15	LK	SW6010	
Nickel	11.0	0.33	0.33	mg/Kg	02/06/15	LK	SW6010	B
Lead	50.9	0.33	0.33	mg/Kg	02/06/15	LK	SW6010	
Antimony	< 3.3	3.3	1.7	mg/Kg	02/06/15	LK	SW6010	
Selenium	< 1.3	1.3	1.1	mg/Kg	02/06/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/06/15	EK	SW6010	
TCLP Barium	0.87	0.10	0.010	mg/L	02/06/15	EK	SW6010	B
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/06/15	EK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/06/15	RS	SW7470	
TCLP Lead	0.20	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/06/15	EK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 34 COMP

Phoenix I.D.: BH70943

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.0	3.0	1.3	mg/Kg	02/06/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/06/15	I/I	SW3005	
Trivalent Chromium	11.1	0.50		mg/kg	02/10/15	CL	Calculation	
Vanadium	14.6	0.33	0.33	mg/Kg	02/06/15	LK	SW6010	
Zinc	109	0.33	0.33	mg/Kg	02/06/15	LK	SW6010	
Percent Solid	90			%	02/05/15	i	SW846	
Corrosivity	Negative			Pos/Neg	02/05/15	DH/KDB	SW846	1
Flash Point	>200	200		degree F	02/06/15	Y	SW1010	
Chromium, Hexavalent	< 0.44	0.44	0.44	mg/Kg	02/10/15 10:46	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/06/15	Y	SW846	1
pH - Soil	10.51	0.10		pH Units	02/05/15 22:00	DH/KDB	4500-H B/9045	1
Reactivity Cyanide	< 5.6	5.6	0.028	mg/Kg	02/06/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/06/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/06/15	EG	SW 846-7.3	1
Redox Potential	120	1.0		mV	02/05/15	DH/KDB	SM2580B	1
Total Cyanide	< 0.56	0.56	0.28	mg/Kg	02/05/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				02/05/15	JC/H	SW3545	
Soil Extraction for Pesticide	Completed				02/05/15	JC	SW3545	
Soil Extraction for SVOA	Completed				02/05/15	JJ/VH	SW3545	
Mercury Digestion	Completed				02/06/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/05/15	P/D	SW8151	
TCLP Digestion Mercury	Completed				02/06/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/06/15	F/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				02/05/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				02/05/15	I	1311	
TCLP Pesticides Extraction	Completed				02/06/15	L	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/06/15	L	SW3510	
TCLP Extraction Volatiles	Completed				02/05/15	Y	EPA 1311	
Total Metals Digest	Completed				02/05/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				02/05/15	CC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	46	46	ug/Kg	02/07/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	46	46	ug/Kg	02/07/15	BB	SW8151	
2,4-D	ND	46	46	ug/Kg	02/07/15	BB	SW8151	
2,4-DB	ND	460	460	ug/Kg	02/07/15	BB	SW8151	
Dalapon	ND	46	46	ug/Kg	02/07/15	BB	SW8151	
Dicamba	ND	93	93	ug/Kg	02/07/15	BB	SW8151	
Dichloroprop	ND	46	46	ug/Kg	02/07/15	BB	SW8151	
Dinoseb	ND	93	93	ug/Kg	02/07/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	56			%	02/07/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	74	74	ug/Kg	02/06/15	AW	SW 8082	
PCB-1221	ND	74	74	ug/Kg	02/06/15	AW	SW 8082	
PCB-1232	ND	74	74	ug/Kg	02/06/15	AW	SW 8082	
PCB-1242	ND	74	74	ug/Kg	02/06/15	AW	SW 8082	
PCB-1248	ND	74	74	ug/Kg	02/06/15	AW	SW 8082	
PCB-1254	ND	74	74	ug/Kg	02/06/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 34 COMP

Phoenix I.D.: BH70943

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	74	74	ug/Kg	02/06/15	AW	SW 8082
PCB-1262	ND	74	74	ug/Kg	02/06/15	AW	SW 8082
PCB-1268	ND	74	74	ug/Kg	02/06/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	75			%	02/06/15	AW	30 - 150 %
% TCMX	83			%	02/06/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.2	2.2	ug/Kg	02/07/15	CE	SW8081
4,4' -DDE	ND	2.2	2.2	ug/Kg	02/07/15	CE	SW8081
4,4' -DDT	ND	2.2	2.2	ug/Kg	02/07/15	CE	SW8081
a-BHC	ND	7.4	7.4	ug/Kg	02/07/15	CE	SW8081
a-Chlordane	ND	3.7	3.7	ug/Kg	02/07/15	CE	SW8081
Aldrin	ND	3.7	3.7	ug/Kg	02/07/15	CE	SW8081
b-BHC	ND	7.4	7.4	ug/Kg	02/07/15	CE	SW8081
Chlordane	ND	37	37	ug/Kg	02/07/15	CE	SW8081
d-BHC	ND	7.4	7.4	ug/Kg	02/07/15	CE	SW8081
Dieldrin	ND	3.7	3.7	ug/Kg	02/07/15	CE	SW8081
Endosulfan I	ND	7.4	7.4	ug/Kg	02/07/15	CE	SW8081
Endosulfan II	ND	7.4	7.4	ug/Kg	02/07/15	CE	SW8081
Endosulfan sulfate	ND	7.4	7.4	ug/Kg	02/07/15	CE	SW8081
Endrin	ND	7.4	7.4	ug/Kg	02/07/15	CE	SW8081
Endrin aldehyde	ND	7.4	7.4	ug/Kg	02/07/15	CE	SW8081
Endrin ketone	ND	7.4	7.4	ug/Kg	02/07/15	CE	SW8081
g-BHC	ND	1.5	1.5	ug/Kg	02/07/15	CE	SW8081
g-Chlordane	ND	3.7	3.7	ug/Kg	02/07/15	CE	SW8081
Heptachlor	ND	7.4	7.4	ug/Kg	02/07/15	CE	SW8081
Heptachlor epoxide	ND	7.4	7.4	ug/Kg	02/07/15	CE	SW8081
Methoxychlor	ND	37	37	ug/Kg	02/07/15	CE	SW8081
Toxaphene	ND	150	150	ug/Kg	02/07/15	CE	SW8081
QA/QC Surrogates							
% DCBP	83			%	02/07/15	CE	30 - 150 %
% TCMX	78			%	02/07/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
QA/QC Surrogates							
% DCAA	67			%	02/10/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/08/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/08/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/08/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/08/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/08/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/08/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/08/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/08/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/08/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/08/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/08/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/08/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/08/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	87			%	02/08/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	77			%	02/08/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	54	54	mg/Kg	02/10/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	91			%	02/10/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/06/15	MH	SW8260
Benzene	ND	25	25	ug/L	02/06/15	MH	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/06/15	MH	SW8260
Chlorobenzene	ND	25	25	ug/L	02/06/15	MH	SW8260
Chloroform	ND	25	25	ug/L	02/06/15	MH	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/06/15	MH	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
Trichloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
Vinyl chloride	ND	25	25	ug/L	02/06/15	MH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100			%	02/06/15	MH	70 - 130 %
% Bromofluorobenzene	91			%	02/06/15	MH	70 - 130 %
% Dibromofluoromethane	91			%	02/06/15	MH	70 - 130 %
% Toluene-d8	97			%	02/06/15	MH	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	250	110	ug/Kg	02/06/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	02/06/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	360	360	ug/Kg	02/06/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	250	170	ug/Kg	02/06/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	02/06/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	02/06/15	DD	SW 8270
2,4-Dichlorophenol	ND	150	130	ug/Kg	02/06/15	DD	SW 8270
2,4-Dimethylphenol	ND	250	90	ug/Kg	02/06/15	DD	SW 8270
2,4-Dinitrophenol	ND	250	250	ug/Kg	02/06/15	DD	SW 8270
2,4-Dinitrotoluene	ND	150	140	ug/Kg	02/06/15	DD	SW 8270
2,6-Dinitrotoluene	ND	150	110	ug/Kg	02/06/15	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	02/06/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 34 COMP

Phoenix I.D.: BH70943

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		250	100	ug/Kg	02/06/15	DD	SW 8270	
2-Methylnaphthalene	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		250	170	ug/Kg	02/06/15	DD	SW 8270	
2-Nitroaniline	ND		1800	370	ug/Kg	02/06/15	DD	SW 8270	
2-Nitrophenol	ND		250	230	ug/Kg	02/06/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		250	140	ug/Kg	02/06/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		150	170	ug/Kg	02/06/15	DD	SW 8270	
3-Nitroaniline	ND		1800	790	ug/Kg	02/06/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		250	390	ug/Kg	02/06/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		250	130	ug/Kg	02/06/15	DD	SW 8270	
4-Chloroaniline	ND		730	170	ug/Kg	02/06/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	
4-Nitroaniline	ND		1800	120	ug/Kg	02/06/15	DD	SW 8270	
4-Nitrophenol	ND		1800	160	ug/Kg	02/06/15	DD	SW 8270	
Acenaphthene	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Acenaphthylene	ND		150	100	ug/Kg	02/06/15	DD	SW 8270	
Acetophenone	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Anthracene	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	
Atrazine	ND		150	160	ug/Kg	02/06/15	DD	SW 8270	
Benz(a)anthracene	130	J	250	120	ug/Kg	02/06/15	DD	SW 8270	
Benzaldehyde	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Benzidine	ND		540	540	ug/Kg	02/06/15	DD	SW 8270	
Benzo(a)pyrene	130	J	150	120	ug/Kg	02/06/15	DD	SW 8270	
Benzo(b)fluoranthene	200	J	250	120	ug/Kg	02/06/15	DD	SW 8270	
Benzo(ghi)perylene	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	
Benzo(k)fluoranthene	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	
Benzyl Alcohol	ND		360	360	ug/Kg	02/06/15	DD	SW 8270	
Benzyl butyl phthalate	ND		250	94	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		250	100	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		150	98	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		250	100	ug/Kg	02/06/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		250	100	ug/Kg	02/06/15	DD	SW 8270	
Caprolactam	ND		250	650	ug/Kg	02/06/15	DD	SW 8270	
Carbazole	ND		1800	280	ug/Kg	02/06/15	DD	SW 8270	
Chrysene	170	J	250	120	ug/Kg	02/06/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		150	120	ug/Kg	02/06/15	DD	SW 8270	
Dibenzofuran	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Diethyl phthalate	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Dimethylphthalate	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Di-n-butylphthalate	ND		250	97	ug/Kg	02/06/15	DD	SW 8270	
Di-n-octylphthalate	ND		250	94	ug/Kg	02/06/15	DD	SW 8270	
Fluoranthene	200	J	250	120	ug/Kg	02/06/15	DD	SW 8270	
Fluorene	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorobenzene	ND		150	110	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorobutadiene	ND		250	130	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Hexachloroethane	ND		150	110	ug/Kg	02/06/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 34 COMP

Phoenix I.D.: BH70943

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND		150	100	ug/Kg	02/06/15	DD	SW 8270	
Naphthalene	ND		250	100	ug/Kg	02/06/15	DD	SW 8270	
Nitrobenzene	ND		150	130	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodimethylamine	ND		250	100	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		150	120	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND		150	140	ug/Kg	02/06/15	DD	SW 8270	
Pentachlorophenol	ND		250	140	ug/Kg	02/06/15	DD	SW 8270	
Phenanthrene	180		150	100	ug/Kg	02/06/15	DD	SW 8270	
Phenol	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	
Pyrene	210	J	250	120	ug/Kg	02/06/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	69				%	02/06/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	84				%	02/06/15	DD	30 - 130 %	
% 2-Fluorophenol	77				%	02/06/15	DD	30 - 130 %	
% Nitrobenzene-d5	71				%	02/06/15	DD	30 - 130 %	
% Phenol-d5	80				%	02/06/15	DD	30 - 130 %	
% Terphenyl-d14	91				%	02/06/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral									
1,4-Dichlorobenzene	ND		83	83	ug/L	02/08/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND		83	83	ug/L	02/08/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND		83	83	ug/L	02/08/15	DD	SW 8270	
2,4-Dinitrotoluene	ND		83	83	ug/L	02/08/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		83	83	ug/L	02/08/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND		83	83	ug/L	02/08/15	DD	SW 8270	
Hexachlorobenzene	ND		83	83	ug/L	02/08/15	DD	SW 8270	
Hexachlorobutadiene	ND		83	83	ug/L	02/08/15	DD	SW 8270	
Hexachloroethane	ND		83	83	ug/L	02/08/15	DD	SW 8270	
Nitrobenzene	ND		83	83	ug/L	02/08/15	DD	SW 8270	
Pentachlorophenol	ND		83	83	ug/L	02/08/15	DD	SW 8270	
Pyridine	ND		83	83	ug/L	02/08/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	91				%	02/08/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	69				%	02/08/15	DD	30 - 130 %	
% 2-Fluorophenol	54				%	02/08/15	DD	15 - 110 %	
% Nitrobenzene-d5	71				%	02/08/15	DD	30 - 130 %	
% Phenol-d5	45				%	02/08/15	DD	15 - 110 %	
% Terphenyl-d14	97				%	02/08/15	DD	30 - 130 %	
Aniline	ND		330		ug/Kg	02/06/15	DD	SW8270	
Benzoic Acid	ND		330		ug/Kg	02/06/15	DD	SW8270	1
Parathion	ND		360	150	ug/Kg	02/06/15	DD	SW8270	1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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 12, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 12, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/05/15	10:30
Location Code:	IMPACT	Received by:	SW	02/05/15	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70938
Phoenix ID: BH70944

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 6 1-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/05/15	i	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	3.6	0.72	ug/Kg	02/06/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	3.6	0.72	ug/Kg	02/06/15	JLI	SW8260
1,3-Dichlorobenzene	ND	3.6	0.72	ug/Kg	02/06/15	JLI	SW8260
Naphthalene	ND	3.6	0.96	ug/Kg	02/06/15	JLI	SW8260
n-Butylbenzene	ND	3.6	0.72	ug/Kg	02/06/15	JLI	SW8260
n-Propylbenzene	ND	3.6	0.72	ug/Kg	02/06/15	JLI	SW8260
p-Isopropyltoluene	ND	3.6	0.72	ug/Kg	02/06/15	JLI	SW8260
sec-Butylbenzene	ND	3.6	0.72	ug/Kg	02/06/15	JLI	SW8260
tert-Butylbenzene	ND	3.6	0.72	ug/Kg	02/06/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	98			%	02/06/15	JLI	SW8260
% Bromofluorobenzene	86			%	02/06/15	JLI	SW8260
% Dibromofluoromethane	97			%	02/06/15	JLI	SW8260
% Toluene-d8	90			%	02/06/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	72	72	ug/kg	02/06/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	3.6	0.72	ug/Kg	02/06/15	JLI	SW8260
1,1,1-Trichloroethane	ND	3.6	0.72	ug/Kg	02/06/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	3.6	0.51	ug/Kg	02/06/15	JLI	SW8260
1,1,2-Trichloroethane	ND	3.6	0.35	ug/Kg	02/06/15	JLI	SW8260
1,1-Dichloroethane	ND	3.6	0.71	ug/Kg	02/06/15	JLI	SW8260
1,1-Dichloroethene	ND	3.6	0.78	ug/Kg	02/06/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 6 1-2

Phoenix I.D.: BH70944

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		3.6	0.48	ug/Kg	02/06/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		3.6	0.42	ug/Kg	02/06/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		3.6	0.96	ug/Kg	02/06/15	JLI	SW8260
1,2-Dibromoethane	ND		3.6	0.96	ug/Kg	02/06/15	JLI	SW8260
1,2-Dichlorobenzene	ND		3.6	0.40	ug/Kg	02/06/15	JLI	SW8260
1,2-Dichloroethane	ND		3.6	0.32	ug/Kg	02/06/15	JLI	SW8260
1,2-Dichloropropane	ND		3.6	0.51	ug/Kg	02/06/15	JLI	SW8260
1,3-Dichlorobenzene	ND		3.6	0.53	ug/Kg	02/06/15	JLI	SW8260
1,4-Dichlorobenzene	ND		3.6	0.57	ug/Kg	02/06/15	JLI	SW8260
2-Hexanone	ND		18	1.6	ug/Kg	02/06/15	JLI	SW8260
4-Methyl-2-pentanone	ND		18	0.86	ug/Kg	02/06/15	JLI	SW8260
Acetone	16	JS	36	3.6	ug/Kg	02/06/15	JLI	SW8260
Acrolein	ND		18	2.9	ug/Kg	02/06/15	JLI	SW8260
Acrylonitrile	ND		7.2	2.0	ug/Kg	02/06/15	JLI	SW8260
Benzene	ND		3.6	0.71	ug/Kg	02/06/15	JLI	SW8260
Bromochloromethane	ND		3.6	0.53	ug/Kg	02/06/15	JLI	SW8260
Bromodichloromethane	ND		3.6	0.45	ug/Kg	02/06/15	JLI	SW8260
Bromoform	ND		3.6	0.50	ug/Kg	02/06/15	JLI	SW8260
Bromomethane	ND		3.6	2.8	ug/Kg	02/06/15	JLI	SW8260
Carbon Disulfide	1.8	J	3.6	0.58	ug/Kg	02/06/15	JLI	SW8260
Carbon tetrachloride	ND		3.6	0.42	ug/Kg	02/06/15	JLI	SW8260
Chlorobenzene	ND		3.6	0.53	ug/Kg	02/06/15	JLI	SW8260
Chloroethane	ND		3.6	0.84	ug/Kg	02/06/15	JLI	SW8260
Chloroform	ND		3.6	0.66	ug/Kg	02/06/15	JLI	SW8260
Chloromethane	ND		3.6	1.9	ug/Kg	02/06/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		3.6	0.78	ug/Kg	02/06/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		3.6	0.39	ug/Kg	02/06/15	JLI	SW8260
Cyclohexane	ND		3.6	3.6	ug/Kg	02/06/15	JLI	SW8260
Dibromochloromethane	ND		3.6	0.40	ug/Kg	02/06/15	JLI	SW8260
Dichlorodifluoromethane	ND		3.6	0.96	ug/Kg	02/06/15	JLI	SW8260
Ethylbenzene	ND		3.6	0.66	ug/Kg	02/06/15	JLI	SW8260
Isopropylbenzene	ND		3.6	0.69	ug/Kg	02/06/15	JLI	SW8260
m&p-Xylene	ND		3.6	1.4	ug/Kg	02/06/15	JLI	SW8260
Methyl ethyl ketone	4.2	J	22	3.1	ug/Kg	02/06/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		7.2	0.99	ug/Kg	02/06/15	JLI	SW8260
Methylacetate	ND		3.6	3.6	ug/Kg	02/06/15	JLI	SW8260
Methylcyclohexane	ND		3.6	3.6	ug/Kg	02/06/15	JLI	SW8260
Methylene chloride	0.99	JS	3.6	0.59	ug/Kg	02/06/15	JLI	SW8260
o-Xylene	ND		3.6	1.4	ug/Kg	02/06/15	JLI	SW8260
Styrene	ND		3.6	1.0	ug/Kg	02/06/15	JLI	SW8260
tert-butyl alcohol	ND		72	72	ug/Kg	02/06/15	JLI	SW8260
Tetrachloroethene	ND		3.6	0.76	ug/Kg	02/06/15	JLI	SW8260
Toluene	ND		3.6	0.57	ug/Kg	02/06/15	JLI	SW8260
Total Xylenes	ND		3.6	3.6	ug/Kg	02/06/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		3.6	0.72	ug/Kg	02/06/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		3.6	0.73	ug/Kg	02/06/15	JLI	SW8260
Trichloroethene	ND		3.6	0.76	ug/Kg	02/06/15	JLI	SW8260
Trichlorofluoromethane	ND		3.6	0.80	ug/Kg	02/06/15	JLI	SW8260
Trichlorotrifluoroethane	ND		3.6	0.56	ug/Kg	02/06/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 6 1-2

Phoenix I.D.: BH70944

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	3.6	1.2	ug/Kg	02/06/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	98			%	02/06/15	JLI	70 - 130 %	
% Bromofluorobenzene	83			%	02/06/15	JLI	70 - 130 %	
% Dibromofluoromethane	98			%	02/06/15	JLI	70 - 130 %	
% Toluene-d8	90			%	02/06/15	JLI	70 - 130 %	
Vinyl Acetate	ND	36	36	ug/Kg	02/06/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

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 12, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 12, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/05/15	10:30
Location Code:	IMPACT	Received by:	SW	02/05/15	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70938
Phoenix ID: BH70945

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 6 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.37	0.37	0.37	mg/Kg	02/06/15	LK	SW6010	
Aluminum	6220	56	7.4	mg/Kg	02/06/15	LK	SW6010	
Arsenic	3.4	0.7	0.74	mg/Kg	02/06/15	LK	SW6010	
Barium	67.6	0.37	0.37	mg/Kg	02/06/15	LK	SW6010	
Beryllium	0.81	0.30	0.15	mg/Kg	02/06/15	LK	SW6010	
Calcium	3670	5.6	3.4	mg/Kg	02/06/15	LK	SW6010	
Cadmium	< 0.37	0.37	0.15	mg/Kg	02/06/15	LK	SW6010	
Cobalt	10.4	0.37	0.37	mg/Kg	02/06/15	LK	SW6010	
Chromium	20.1	0.37	0.37	mg/Kg	02/06/15	LK	SW6010	
Copper	96.3	0.37	0.37	mg/kg	02/06/15	LK	SW6010	
Iron	13300	56	37	mg/Kg	02/06/15	LK	SW6010	B
Mercury	0.13	0.03	0.02	mg/Kg	02/06/15	RS	SW-7471	
Potassium	1000	5.6	2.9	mg/Kg	02/06/15	LK	SW6010	
Magnesium	2180	5.6	3.7	mg/Kg	02/06/15	LK	SW6010	
Manganese	193	3.7	3.7	mg/Kg	02/06/15	LK	SW6010	
Sodium	2330	5.6	3.2	mg/Kg	02/06/15	LK	SW6010	
Nickel	72.4	0.37	0.37	mg/Kg	02/06/15	LK	SW6010	B
Lead	189	3.7	3.7	mg/Kg	02/06/15	LK	SW6010	
Antimony	< 3.7	3.7	1.9	mg/Kg	02/06/15	LK	SW6010	
Selenium	< 1.5	1.5	1.3	mg/Kg	02/06/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/06/15	EK	SW6010	
TCLP Barium	0.54	0.10	0.010	mg/L	02/06/15	EK	SW6010	B
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/06/15	EK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/06/15	RS	SW7470	
TCLP Lead	0.43	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/06/15	EK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 6 COMP

Phoenix I.D.: BH70945

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.4	3.4	1.5	mg/Kg	02/06/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/06/15	I/I	SW3005	
Trivalent Chromium	20.1	0.50		mg/kg	02/10/15	CL	Calculation	
Vanadium	21.6	0.37	0.37	mg/Kg	02/06/15	LK	SW6010	
Zinc	307	3.7	3.7	mg/Kg	02/06/15	LK	SW6010	
Percent Solid	92			%	02/05/15	i	SW846	
Corrosivity	Negative			Pos/Neg	02/05/15	DH/KDB	SW846	1
Flash Point	>200	200		degree F	02/06/15	Y	SW1010	
Chromium, Hexavalent	< 0.42	0.42	0.42	mg/Kg	02/10/15 10:46	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/06/15	Y	SW846	1
pH - Soil	9.88	0.10		pH Units	02/05/15 22:00	DH/KDB	4500-H B/9045	1
Reactivity Cyanide	< 5.4	5.4	0.027	mg/Kg	02/06/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/06/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/06/15	EG	SW 846-7.3	1
Redox Potential	130	1.0		mV	02/05/15	DH/KDB	SM2580B	1
Total Cyanide	< 0.54	0.54	0.27	mg/Kg	02/05/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				02/05/15	JC/H	SW3545	
Soil Extraction for Pesticide	Completed				02/05/15	JC	SW3545	
Soil Extraction for SVOA	Completed				02/05/15	JJ/VH	SW3545	
Mercury Digestion	Completed				02/06/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/05/15	P/D	SW8151	
TCLP Digestion Mercury	Completed				02/06/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/06/15	F/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				02/05/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				02/05/15	I	1311	
TCLP Pesticides Extraction	Completed				02/06/15	L	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/06/15	L	SW3510	
TCLP Extraction Volatiles	Completed				02/05/15	Y	EPA 1311	
Total Metals Digest	Completed				02/05/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				02/05/15	CC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	45	45	ug/Kg	02/07/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	45	45	ug/Kg	02/07/15	BB	SW8151	
2,4-D	ND	45	45	ug/Kg	02/07/15	BB	SW8151	
2,4-DB	ND	450	450	ug/Kg	02/07/15	BB	SW8151	
Dalapon	ND	45	45	ug/Kg	02/07/15	BB	SW8151	
Dicamba	ND	90	90	ug/Kg	02/07/15	BB	SW8151	
Dichloroprop	ND	45	45	ug/Kg	02/07/15	BB	SW8151	
Dinoseb	ND	90	90	ug/Kg	02/07/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	52			%	02/07/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	71	71	ug/Kg	02/06/15	AW	SW 8082	
PCB-1221	ND	71	71	ug/Kg	02/06/15	AW	SW 8082	
PCB-1232	ND	71	71	ug/Kg	02/06/15	AW	SW 8082	
PCB-1242	ND	71	71	ug/Kg	02/06/15	AW	SW 8082	
PCB-1248	ND	71	71	ug/Kg	02/06/15	AW	SW 8082	
PCB-1254	ND	71	71	ug/Kg	02/06/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 6 COMP

Phoenix I.D.: BH70945

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	71	71	ug/Kg	02/06/15	AW	SW 8082
PCB-1262	ND	71	71	ug/Kg	02/06/15	AW	SW 8082
PCB-1268	ND	71	71	ug/Kg	02/06/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	83			%	02/06/15	AW	30 - 150 %
% TCMX	94			%	02/06/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.1	2.1	ug/Kg	02/07/15	CE	SW8081
4,4' -DDE	ND	2.1	2.1	ug/Kg	02/07/15	CE	SW8081
4,4' -DDT	ND	2.1	2.1	ug/Kg	02/07/15	CE	SW8081
a-BHC	ND	7.1	7.1	ug/Kg	02/07/15	CE	SW8081
a-Chlordane	11	3.5	3.5	ug/Kg	02/07/15	CE	SW8081
Aldrin	ND	3.5	3.5	ug/Kg	02/07/15	CE	SW8081
b-BHC	ND	7.1	7.1	ug/Kg	02/07/15	CE	SW8081
Chlordane	65	35	35	ug/Kg	02/07/15	CE	SW8081
d-BHC	ND	7.1	7.1	ug/Kg	02/07/15	CE	SW8081
Dieldrin	ND	3.5	3.5	ug/Kg	02/07/15	CE	SW8081
Endosulfan I	ND	7.1	7.1	ug/Kg	02/07/15	CE	SW8081
Endosulfan II	ND	7.1	7.1	ug/Kg	02/07/15	CE	SW8081
Endosulfan sulfate	ND	7.1	7.1	ug/Kg	02/07/15	CE	SW8081
Endrin	ND	7.1	7.1	ug/Kg	02/07/15	CE	SW8081
Endrin aldehyde	ND	7.1	7.1	ug/Kg	02/07/15	CE	SW8081
Endrin ketone	ND	7.1	7.1	ug/Kg	02/07/15	CE	SW8081
g-BHC	ND	1.4	1.4	ug/Kg	02/07/15	CE	SW8081
g-Chlordane	8.2	3.5	3.5	ug/Kg	02/07/15	CE	SW8081
Heptachlor	ND	7.1	7.1	ug/Kg	02/07/15	CE	SW8081
Heptachlor epoxide	ND	7.1	7.1	ug/Kg	02/07/15	CE	SW8081
Methoxychlor	ND	35	35	ug/Kg	02/07/15	CE	SW8081
Toxaphene	ND	140	140	ug/Kg	02/07/15	CE	SW8081
QA/QC Surrogates							
% DCBP	85			%	02/07/15	CE	30 - 150 %
% TCMX	78			%	02/07/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
QA/QC Surrogates							
% DCAA	60			%	02/10/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/08/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/08/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/08/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/08/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/08/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/08/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/08/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/08/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/08/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/08/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/08/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/08/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/08/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	76			%	02/08/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	79			%	02/08/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	54	54	mg/Kg	02/07/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	91			%	02/07/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/06/15	MH	SW8260
Benzene	ND	25	25	ug/L	02/06/15	MH	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/06/15	MH	SW8260
Chlorobenzene	ND	25	25	ug/L	02/06/15	MH	SW8260
Chloroform	ND	25	25	ug/L	02/06/15	MH	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/06/15	MH	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
Trichloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
Vinyl chloride	ND	25	25	ug/L	02/06/15	MH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100			%	02/06/15	MH	70 - 130 %
% Bromofluorobenzene	93			%	02/06/15	MH	70 - 130 %
% Dibromofluoromethane	90			%	02/06/15	MH	70 - 130 %
% Toluene-d8	96			%	02/06/15	MH	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	250	110	ug/Kg	02/06/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	250	120	ug/Kg	02/06/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	350	350	ug/Kg	02/06/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	250	170	ug/Kg	02/06/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	02/06/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	02/06/15	DD	SW 8270
2,4-Dichlorophenol	ND	140	120	ug/Kg	02/06/15	DD	SW 8270
2,4-Dimethylphenol	ND	250	88	ug/Kg	02/06/15	DD	SW 8270
2,4-Dinitrophenol	ND	250	250	ug/Kg	02/06/15	DD	SW 8270
2,4-Dinitrotoluene	ND	140	140	ug/Kg	02/06/15	DD	SW 8270
2,6-Dinitrotoluene	ND	140	110	ug/Kg	02/06/15	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	02/06/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 6 COMP

Phoenix I.D.: BH70945

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		250	100	ug/Kg	02/06/15	DD	SW 8270	
2-Methylnaphthalene	130	J	250	110	ug/Kg	02/06/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		250	170	ug/Kg	02/06/15	DD	SW 8270	
2-Nitroaniline	ND		1800	360	ug/Kg	02/06/15	DD	SW 8270	
2-Nitrophenol	ND		250	220	ug/Kg	02/06/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		250	140	ug/Kg	02/06/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		140	170	ug/Kg	02/06/15	DD	SW 8270	
3-Nitroaniline	ND		1800	770	ug/Kg	02/06/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		250	380	ug/Kg	02/06/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		250	100	ug/Kg	02/06/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	
4-Chloroaniline	ND		710	160	ug/Kg	02/06/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	
4-Nitroaniline	ND		1800	120	ug/Kg	02/06/15	DD	SW 8270	
4-Nitrophenol	ND		1800	160	ug/Kg	02/06/15	DD	SW 8270	
Acenaphthene	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Acenaphthylene	ND		140	99	ug/Kg	02/06/15	DD	SW 8270	
Acetophenone	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Anthracene	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	
Atrazine	ND		140	160	ug/Kg	02/06/15	DD	SW 8270	
Benz(a)anthracene	210	J	250	120	ug/Kg	02/06/15	DD	SW 8270	
Benzaldehyde	ND		250	100	ug/Kg	02/06/15	DD	SW 8270	
Benzidine	ND		530	530	ug/Kg	02/06/15	DD	SW 8270	
Benzo(a)pyrene	220		140	120	ug/Kg	02/06/15	DD	SW 8270	
Benzo(b)fluoranthene	330		250	120	ug/Kg	02/06/15	DD	SW 8270	
Benzo(ghi)perylene	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Benzo(k)fluoranthene	120	J	250	120	ug/Kg	02/06/15	DD	SW 8270	
Benzyl Alcohol	ND		350	350	ug/Kg	02/06/15	DD	SW 8270	
Benzyl butyl phthalate	ND		250	91	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		250	97	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		140	95	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		250	98	ug/Kg	02/06/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		250	100	ug/Kg	02/06/15	DD	SW 8270	
Caprolactam	ND		250	630	ug/Kg	02/06/15	DD	SW 8270	
Carbazole	ND		1800	270	ug/Kg	02/06/15	DD	SW 8270	
Chrysene	230	J	250	120	ug/Kg	02/06/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		140	110	ug/Kg	02/06/15	DD	SW 8270	
Dibenzofuran	ND		250	100	ug/Kg	02/06/15	DD	SW 8270	
Diethyl phthalate	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Dimethylphthalate	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Di-n-butylphthalate	ND		250	94	ug/Kg	02/06/15	DD	SW 8270	
Di-n-octylphthalate	ND		250	91	ug/Kg	02/06/15	DD	SW 8270	
Fluoranthene	330		250	110	ug/Kg	02/06/15	DD	SW 8270	
Fluorene	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorobenzene	ND		140	100	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorobutadiene	ND		250	130	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Hexachloroethane	ND		140	110	ug/Kg	02/06/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 6 COMP

Phoenix I.D.: BH70945

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND	140	99	ug/Kg	02/06/15	DD	SW 8270	
Naphthalene	ND	250	100	ug/Kg	02/06/15	DD	SW 8270	
Nitrobenzene	ND	140	120	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodimethylamine	ND	250	100	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	140	110	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND	140	140	ug/Kg	02/06/15	DD	SW 8270	
Pentachlorophenol	ND	250	130	ug/Kg	02/06/15	DD	SW 8270	
Phenanthrene	260	140	100	ug/Kg	02/06/15	DD	SW 8270	
Phenol	ND	250	110	ug/Kg	02/06/15	DD	SW 8270	
Pyrene	330	250	120	ug/Kg	02/06/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	75			%	02/06/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	90			%	02/06/15	DD	30 - 130 %	
% 2-Fluorophenol	86			%	02/06/15	DD	30 - 130 %	
% Nitrobenzene-d5	79			%	02/06/15	DD	30 - 130 %	
% Phenol-d5	85			%	02/06/15	DD	30 - 130 %	
% Terphenyl-d14	94			%	02/06/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral								
1,4-Dichlorobenzene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND	83	83	ug/L	02/08/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND	83	83	ug/L	02/08/15	DD	SW 8270	
2,4-Dinitrotoluene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	83	83	ug/L	02/08/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Hexachlorobenzene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Hexachlorobutadiene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Hexachloroethane	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Nitrobenzene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Pentachlorophenol	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Pyridine	ND	83	83	ug/L	02/08/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	97			%	02/08/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	79			%	02/08/15	DD	30 - 130 %	
% 2-Fluorophenol	62			%	02/08/15	DD	15 - 110 %	
% Nitrobenzene-d5	85			%	02/08/15	DD	30 - 130 %	
% Phenol-d5	53			%	02/08/15	DD	15 - 110 %	
% Terphenyl-d14	101			%	02/08/15	DD	30 - 130 %	
Aniline	ND	330		ug/Kg	02/06/15	DD	SW8270	
Benzoic Acid	ND	330		ug/Kg	02/06/15	DD	SW8270	1
Parathion	ND	350	140	ug/Kg	02/06/15	DD	SW8270	1

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 6 COMP

Phoenix I.D.: BH70945

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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 12, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 12, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/05/15	11:00
Location Code:	IMPACT	Received by:	SW	02/05/15	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70938
Phoenix ID: BH70946

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 7 1-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/05/15	i	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	2.5	0.49	ug/Kg	02/06/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	2.5	0.49	ug/Kg	02/06/15	JLI	SW8260
1,3-Dichlorobenzene	ND	2.5	0.49	ug/Kg	02/06/15	JLI	SW8260
Naphthalene	ND	2.5	0.66	ug/Kg	02/06/15	JLI	SW8260
n-Butylbenzene	ND	2.5	0.49	ug/Kg	02/06/15	JLI	SW8260
n-Propylbenzene	ND	2.5	0.49	ug/Kg	02/06/15	JLI	SW8260
p-Isopropyltoluene	ND	2.5	0.49	ug/Kg	02/06/15	JLI	SW8260
sec-Butylbenzene	ND	2.5	0.49	ug/Kg	02/06/15	JLI	SW8260
tert-Butylbenzene	ND	2.5	0.49	ug/Kg	02/06/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	97			%	02/06/15	JLI	SW8260
% Bromofluorobenzene	95			%	02/06/15	JLI	SW8260
% Dibromofluoromethane	98			%	02/06/15	JLI	SW8260
% Toluene-d8	87			%	02/06/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	49	49	ug/kg	02/06/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	2.5	0.49	ug/Kg	02/06/15	JLI	SW8260
1,1,1-Trichloroethane	ND	2.5	0.49	ug/Kg	02/06/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	2.5	0.35	ug/Kg	02/06/15	JLI	SW8260
1,1,2-Trichloroethane	ND	2.5	0.24	ug/Kg	02/06/15	JLI	SW8260
1,1-Dichloroethane	ND	2.5	0.49	ug/Kg	02/06/15	JLI	SW8260
1,1-Dichloroethene	ND	2.5	0.53	ug/Kg	02/06/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 7 1-2

Phoenix I.D.: BH70946

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		2.5	0.33	ug/Kg	02/06/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		2.5	0.29	ug/Kg	02/06/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		2.5	0.66	ug/Kg	02/06/15	JLI	SW8260
1,2-Dibromoethane	ND		2.5	0.65	ug/Kg	02/06/15	JLI	SW8260
1,2-Dichlorobenzene	ND		2.5	0.27	ug/Kg	02/06/15	JLI	SW8260
1,2-Dichloroethane	ND		2.5	0.22	ug/Kg	02/06/15	JLI	SW8260
1,2-Dichloropropane	ND		2.5	0.35	ug/Kg	02/06/15	JLI	SW8260
1,3-Dichlorobenzene	ND		2.5	0.36	ug/Kg	02/06/15	JLI	SW8260
1,4-Dichlorobenzene	ND		2.5	0.39	ug/Kg	02/06/15	JLI	SW8260
2-Hexanone	ND		12	1.1	ug/Kg	02/06/15	JLI	SW8260
4-Methyl-2-pentanone	ND		12	0.58	ug/Kg	02/06/15	JLI	SW8260
Acetone	2.9	JS	25	2.4	ug/Kg	02/06/15	JLI	SW8260
Acrolein	ND		12	2.0	ug/Kg	02/06/15	JLI	SW8260
Acrylonitrile	ND		4.9	1.4	ug/Kg	02/06/15	JLI	SW8260
Benzene	ND		2.5	0.49	ug/Kg	02/06/15	JLI	SW8260
Bromochloromethane	ND		2.5	0.36	ug/Kg	02/06/15	JLI	SW8260
Bromodichloromethane	ND		2.5	0.30	ug/Kg	02/06/15	JLI	SW8260
Bromoform	ND		2.5	0.34	ug/Kg	02/06/15	JLI	SW8260
Bromomethane	ND		2.5	1.9	ug/Kg	02/06/15	JLI	SW8260
Carbon Disulfide	ND		2.5	0.40	ug/Kg	02/06/15	JLI	SW8260
Carbon tetrachloride	ND		2.5	0.28	ug/Kg	02/06/15	JLI	SW8260
Chlorobenzene	0.82	J	2.5	0.36	ug/Kg	02/06/15	JLI	SW8260
Chloroethane	ND		2.5	0.57	ug/Kg	02/06/15	JLI	SW8260
Chloroform	ND		2.5	0.45	ug/Kg	02/06/15	JLI	SW8260
Chloromethane	ND		2.5	1.3	ug/Kg	02/06/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		2.5	0.53	ug/Kg	02/06/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		2.5	0.26	ug/Kg	02/06/15	JLI	SW8260
Cyclohexane	ND		2.5	2.5	ug/Kg	02/06/15	JLI	SW8260
Dibromochloromethane	ND		2.5	0.27	ug/Kg	02/06/15	JLI	SW8260
Dichlorodifluoromethane	ND		2.5	0.65	ug/Kg	02/06/15	JLI	SW8260
Ethylbenzene	ND		2.5	0.45	ug/Kg	02/06/15	JLI	SW8260
Isopropylbenzene	ND		2.5	0.47	ug/Kg	02/06/15	JLI	SW8260
m&p-Xylene	ND		2.5	0.97	ug/Kg	02/06/15	JLI	SW8260
Methyl ethyl ketone	ND		15	2.1	ug/Kg	02/06/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		4.9	0.68	ug/Kg	02/06/15	JLI	SW8260
Methylacetate	ND		2.5	2.5	ug/Kg	02/06/15	JLI	SW8260
Methylcyclohexane	ND		2.5	2.5	ug/Kg	02/06/15	JLI	SW8260
Methylene chloride	1.1	JS	2.5	0.40	ug/Kg	02/06/15	JLI	SW8260
o-Xylene	ND		2.5	0.94	ug/Kg	02/06/15	JLI	SW8260
Styrene	ND		2.5	0.71	ug/Kg	02/06/15	JLI	SW8260
tert-butyl alcohol	ND		49	49	ug/Kg	02/06/15	JLI	SW8260
Tetrachloroethene	ND		2.5	0.51	ug/Kg	02/06/15	JLI	SW8260
Toluene	ND		2.5	0.39	ug/Kg	02/06/15	JLI	SW8260
Total Xylenes	ND		2.5	2.5	ug/Kg	02/06/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		2.5	0.49	ug/Kg	02/06/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		2.5	0.50	ug/Kg	02/06/15	JLI	SW8260
Trichloroethene	ND		2.5	0.52	ug/Kg	02/06/15	JLI	SW8260
Trichlorofluoromethane	ND		2.5	0.54	ug/Kg	02/06/15	JLI	SW8260
Trichlorotrifluoroethane	ND		2.5	0.38	ug/Kg	02/06/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 7 1-2

Phoenix I.D.: BH70946

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	2.5	0.79	ug/Kg	02/06/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	97			%	02/06/15	JLI	70 - 130 %	
% Bromofluorobenzene	91			%	02/06/15	JLI	70 - 130 %	
% Dibromofluoromethane	99			%	02/06/15	JLI	70 - 130 %	
% Toluene-d8	87			%	02/06/15	JLI	70 - 130 %	
Vinyl Acetate	ND	25	25	ug/Kg	02/06/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

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 12, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 12, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/05/15	11:00
Location Code:	IMPACT	Received by:	SW	02/05/15	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70938
Phoenix ID: BH70947

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 7 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.34	0.34	0.34	mg/Kg	02/06/15	LK	SW6010	
Aluminum	5460	51	6.8	mg/Kg	02/06/15	LK	SW6010	
Arsenic	1.9	0.7	0.68	mg/Kg	02/06/15	LK	SW6010	
Barium	37.1	0.34	0.34	mg/Kg	02/06/15	LK	SW6010	
Beryllium	0.39	0.27	0.14	mg/Kg	02/06/15	LK	SW6010	
Calcium	11900	51	31	mg/Kg	02/06/15	LK	SW6010	
Cadmium	< 0.34	0.34	0.14	mg/Kg	02/06/15	LK	SW6010	
Cobalt	10.3	0.34	0.34	mg/Kg	02/06/15	LK	SW6010	
Chromium	35.2	0.34	0.34	mg/Kg	02/06/15	LK	SW6010	
Copper	54.9	0.34	0.34	mg/kg	02/06/15	LK	SW6010	
Iron	19300	51	34	mg/Kg	02/06/15	LK	SW6010	B
Mercury	0.04	0.03	0.02	mg/Kg	02/06/15	RS	SW-7471	
Potassium	2060	5.1	2.7	mg/Kg	02/06/15	LK	SW6010	
Magnesium	6170	51	34	mg/Kg	02/06/15	LK	SW6010	
Manganese	206	3.4	3.4	mg/Kg	02/06/15	LK	SW6010	
Sodium	945	5.1	2.9	mg/Kg	02/06/15	LK	SW6010	
Nickel	21.5	0.34	0.34	mg/Kg	02/06/15	LK	SW6010	B
Lead	33.0	0.34	0.34	mg/Kg	02/06/15	LK	SW6010	
Antimony	< 3.4	3.4	1.7	mg/Kg	02/06/15	LK	SW6010	
Selenium	< 1.4	1.4	1.2	mg/Kg	02/06/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/06/15	EK	SW6010	
TCLP Barium	0.53	0.10	0.010	mg/L	02/06/15	EK	SW6010	B
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/06/15	EK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/06/15	RS	SW7470	
TCLP Lead	< 0.10	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/06/15	EK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 7 COMP

Phoenix I.D.: BH70947

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.1	3.1	1.4	mg/Kg	02/06/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/06/15	I/I	SW3005	
Trivalent Chromium	35.2	0.50		mg/kg	02/10/15	CL	Calculation	
Vanadium	40.5	0.34	0.34	mg/Kg	02/06/15	LK	SW6010	
Zinc	34.0	0.34	0.34	mg/Kg	02/06/15	LK	SW6010	
Percent Solid	93			%	02/05/15	i	SW846	
Corrosivity	Negative			Pos/Neg	02/05/15	DH/KDB	SW846	1
Flash Point	>200	200		degree F	02/06/15	Y	SW1010	
Chromium, Hexavalent	< 0.43	0.43	0.43	mg/Kg	02/10/15 10:46	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/06/15	Y	SW846	1
pH - Soil	11.11	0.10		pH Units	02/05/15 22:00	DH/KDB	4500-H B/9045	1
Reactivity Cyanide	< 5.4	5.4	0.027	mg/Kg	02/06/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/06/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/06/15	EG	SW 846-7.3	1
Redox Potential	82	1.0		mV	02/05/15	DH/KDB	SM2580B	1
Total Cyanide	< 0.54	0.54	0.27	mg/Kg	02/05/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				02/05/15	JC/H	SW3545	
Soil Extraction for Pesticide	Completed				02/05/15	JC	SW3545	
Soil Extraction for SVOA	Completed				02/05/15	JJ/VH	SW3545	
Mercury Digestion	Completed				02/06/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/05/15	P/D	SW8151	
TCLP Digestion Mercury	Completed				02/06/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/06/15	F/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				02/05/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				02/05/15	I	1311	
TCLP Pesticides Extraction	Completed				02/06/15	TL	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/06/15	L	SW3510	
TCLP Extraction Volatiles	Completed				02/05/15	Y	EPA 1311	
Total Metals Digest	Completed				02/05/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				02/05/15	CC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	44	44	ug/Kg	02/07/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	44	44	ug/Kg	02/07/15	BB	SW8151	
2,4-D	ND	44	44	ug/Kg	02/07/15	BB	SW8151	
2,4-DB	ND	440	440	ug/Kg	02/07/15	BB	SW8151	
Dalapon	ND	44	44	ug/Kg	02/07/15	BB	SW8151	
Dicamba	ND	88	88	ug/Kg	02/07/15	BB	SW8151	
Dichloroprop	ND	44	44	ug/Kg	02/07/15	BB	SW8151	
Dinoseb	ND	88	88	ug/Kg	02/07/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	58			%	02/07/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	70	70	ug/Kg	02/06/15	AW	SW 8082	
PCB-1221	ND	70	70	ug/Kg	02/06/15	AW	SW 8082	
PCB-1232	ND	70	70	ug/Kg	02/06/15	AW	SW 8082	
PCB-1242	ND	70	70	ug/Kg	02/06/15	AW	SW 8082	
PCB-1248	ND	70	70	ug/Kg	02/06/15	AW	SW 8082	
PCB-1254	ND	70	70	ug/Kg	02/06/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 7 COMP

Phoenix I.D.: BH70947

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	70	70	ug/Kg	02/06/15	AW	SW 8082
PCB-1262	ND	70	70	ug/Kg	02/06/15	AW	SW 8082
PCB-1268	ND	70	70	ug/Kg	02/06/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	70			%	02/06/15	AW	30 - 150 %
% TCMX	86			%	02/06/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.1	2.1	ug/Kg	02/07/15	CE	SW8081
4,4' -DDE	ND	2.1	2.1	ug/Kg	02/07/15	CE	SW8081
4,4' -DDT	ND	2.1	2.1	ug/Kg	02/07/15	CE	SW8081
a-BHC	ND	7.0	7.0	ug/Kg	02/07/15	CE	SW8081
a-Chlordane	ND	3.5	3.5	ug/Kg	02/07/15	CE	SW8081
Aldrin	ND	3.5	3.5	ug/Kg	02/07/15	CE	SW8081
b-BHC	ND	7.0	7.0	ug/Kg	02/07/15	CE	SW8081
Chlordane	ND	35	35	ug/Kg	02/07/15	CE	SW8081
d-BHC	ND	7.0	7.0	ug/Kg	02/07/15	CE	SW8081
Dieldrin	ND	3.5	3.5	ug/Kg	02/07/15	CE	SW8081
Endosulfan I	ND	7.0	7.0	ug/Kg	02/07/15	CE	SW8081
Endosulfan II	ND	7.0	7.0	ug/Kg	02/07/15	CE	SW8081
Endosulfan sulfate	ND	7.0	7.0	ug/Kg	02/07/15	CE	SW8081
Endrin	ND	7.0	7.0	ug/Kg	02/07/15	CE	SW8081
Endrin aldehyde	ND	7.0	7.0	ug/Kg	02/07/15	CE	SW8081
Endrin ketone	ND	7.0	7.0	ug/Kg	02/07/15	CE	SW8081
g-BHC	ND	1.4	1.4	ug/Kg	02/07/15	CE	SW8081
g-Chlordane	ND	3.5	3.5	ug/Kg	02/07/15	CE	SW8081
Heptachlor	ND	7.0	7.0	ug/Kg	02/07/15	CE	SW8081
Heptachlor epoxide	ND	7.0	7.0	ug/Kg	02/07/15	CE	SW8081
Methoxychlor	ND	35	35	ug/Kg	02/07/15	CE	SW8081
Toxaphene	ND	140	140	ug/Kg	02/07/15	CE	SW8081
QA/QC Surrogates							
% DCBP	70			%	02/07/15	CE	30 - 150 %
% TCMX	80			%	02/07/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
QA/QC Surrogates							
% DCAA	65			%	02/10/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/08/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/08/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/08/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/08/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/08/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/08/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/08/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/08/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/08/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/08/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/08/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/08/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/08/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	93			%	02/08/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	78			%	02/08/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	52	52	mg/Kg	02/07/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	79			%	02/07/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/06/15	MH	SW8260
Benzene	ND	25	25	ug/L	02/06/15	MH	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/06/15	MH	SW8260
Chlorobenzene	ND	25	25	ug/L	02/06/15	MH	SW8260
Chloroform	ND	25	25	ug/L	02/06/15	MH	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/06/15	MH	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
Trichloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
Vinyl chloride	ND	25	25	ug/L	02/06/15	MH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100			%	02/06/15	MH	70 - 130 %
% Bromofluorobenzene	91			%	02/06/15	MH	70 - 130 %
% Dibromofluoromethane	92			%	02/06/15	MH	70 - 130 %
% Toluene-d8	98			%	02/06/15	MH	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	250	110	ug/Kg	02/06/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	02/06/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	360	360	ug/Kg	02/06/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	250	170	ug/Kg	02/06/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	02/06/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	02/06/15	DD	SW 8270
2,4-Dichlorophenol	ND	140	130	ug/Kg	02/06/15	DD	SW 8270
2,4-Dimethylphenol	ND	250	88	ug/Kg	02/06/15	DD	SW 8270
2,4-Dinitrophenol	ND	250	250	ug/Kg	02/06/15	DD	SW 8270
2,4-Dinitrotoluene	ND	140	140	ug/Kg	02/06/15	DD	SW 8270
2,6-Dinitrotoluene	ND	140	110	ug/Kg	02/06/15	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	02/06/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 7 COMP

Phoenix I.D.: BH70947

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		250	100	ug/Kg	02/06/15	DD	SW 8270	
2-Methylnaphthalene	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		250	170	ug/Kg	02/06/15	DD	SW 8270	
2-Nitroaniline	ND		1800	360	ug/Kg	02/06/15	DD	SW 8270	
2-Nitrophenol	ND		250	230	ug/Kg	02/06/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		250	140	ug/Kg	02/06/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		140	170	ug/Kg	02/06/15	DD	SW 8270	
3-Nitroaniline	ND		1800	780	ug/Kg	02/06/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		250	380	ug/Kg	02/06/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		250	100	ug/Kg	02/06/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		250	130	ug/Kg	02/06/15	DD	SW 8270	
4-Chloroaniline	ND		710	170	ug/Kg	02/06/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	
4-Nitroaniline	ND		1800	120	ug/Kg	02/06/15	DD	SW 8270	
4-Nitrophenol	ND		1800	160	ug/Kg	02/06/15	DD	SW 8270	
Acenaphthene	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Acenaphthylene	ND		140	100	ug/Kg	02/06/15	DD	SW 8270	
Acetophenone	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Anthracene	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	
Atrazine	ND		140	160	ug/Kg	02/06/15	DD	SW 8270	
Benz(a)anthracene	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	
Benzaldehyde	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Benzidine	ND		530	530	ug/Kg	02/06/15	DD	SW 8270	
Benzo(a)pyrene	ND		140	120	ug/Kg	02/06/15	DD	SW 8270	
Benzo(b)fluoranthene	170	J	250	120	ug/Kg	02/06/15	DD	SW 8270	
Benzo(ghi)perylene	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	
Benzo(k)fluoranthene	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	
Benzyl Alcohol	ND		360	360	ug/Kg	02/06/15	DD	SW 8270	
Benzyl butyl phthalate	ND		250	92	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		250	98	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		140	96	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		250	99	ug/Kg	02/06/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		250	100	ug/Kg	02/06/15	DD	SW 8270	
Caprolactam	ND		250	640	ug/Kg	02/06/15	DD	SW 8270	
Carbazole	ND		1800	270	ug/Kg	02/06/15	DD	SW 8270	
Chrysene	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		140	120	ug/Kg	02/06/15	DD	SW 8270	
Dibenzofuran	ND		250	100	ug/Kg	02/06/15	DD	SW 8270	
Diethyl phthalate	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Dimethylphthalate	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Di-n-butylphthalate	ND		250	95	ug/Kg	02/06/15	DD	SW 8270	
Di-n-octylphthalate	ND		250	92	ug/Kg	02/06/15	DD	SW 8270	
Fluoranthene	200	J	250	120	ug/Kg	02/06/15	DD	SW 8270	
Fluorene	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorobenzene	ND		140	100	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorobutadiene	ND		250	130	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Hexachloroethane	ND		140	110	ug/Kg	02/06/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 7 COMP

Phoenix I.D.: BH70947

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND		140	100	ug/Kg	02/06/15	DD	SW 8270	
Naphthalene	ND		250	100	ug/Kg	02/06/15	DD	SW 8270	
Nitrobenzene	ND		140	120	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodimethylamine	ND		250	100	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		140	120	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND		140	140	ug/Kg	02/06/15	DD	SW 8270	
Pentachlorophenol	ND		250	130	ug/Kg	02/06/15	DD	SW 8270	
Phenanthrene	130	J	140	100	ug/Kg	02/06/15	DD	SW 8270	
Phenol	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Pyrene	160	J	250	120	ug/Kg	02/06/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	62				%	02/06/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	92				%	02/06/15	DD	30 - 130 %	
% 2-Fluorophenol	77				%	02/06/15	DD	30 - 130 %	
% Nitrobenzene-d5	75				%	02/06/15	DD	30 - 130 %	
% Phenol-d5	81				%	02/06/15	DD	30 - 130 %	
% Terphenyl-d14	98				%	02/06/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral									
1,4-Dichlorobenzene	ND		83	83	ug/L	02/08/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND		83	83	ug/L	02/08/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND		83	83	ug/L	02/08/15	DD	SW 8270	
2,4-Dinitrotoluene	ND		83	83	ug/L	02/08/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		83	83	ug/L	02/08/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND		83	83	ug/L	02/08/15	DD	SW 8270	
Hexachlorobenzene	ND		83	83	ug/L	02/08/15	DD	SW 8270	
Hexachlorobutadiene	ND		83	83	ug/L	02/08/15	DD	SW 8270	
Hexachloroethane	ND		83	83	ug/L	02/08/15	DD	SW 8270	
Nitrobenzene	ND		83	83	ug/L	02/08/15	DD	SW 8270	
Pentachlorophenol	ND		83	83	ug/L	02/08/15	DD	SW 8270	
Pyridine	ND		83	83	ug/L	02/08/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	94				%	02/08/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	71				%	02/08/15	DD	30 - 130 %	
% 2-Fluorophenol	57				%	02/08/15	DD	15 - 110 %	
% Nitrobenzene-d5	77				%	02/08/15	DD	30 - 130 %	
% Phenol-d5	49				%	02/08/15	DD	15 - 110 %	
% Terphenyl-d14	98				%	02/08/15	DD	30 - 130 %	
Aniline	ND		330		ug/Kg	02/06/15	DD	SW8270	
Benzoic Acid	ND		330		ug/Kg	02/06/15	DD	SW8270	1
Parathion	ND		360	140	ug/Kg	02/06/15	DD	SW8270	1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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 12, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 12, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/05/15	7:20
Location Code:	IMPACT	Received by:	SW	02/05/15	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70938
Phoenix ID: BH70948

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 25 1-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/05/15	i	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	4.4	0.88	ug/Kg	02/06/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	4.4	0.88	ug/Kg	02/06/15	JLI	SW8260
1,3-Dichlorobenzene	ND	4.4	0.88	ug/Kg	02/06/15	JLI	SW8260
Naphthalene	ND	4.4	1.2	ug/Kg	02/06/15	JLI	SW8260
n-Butylbenzene	ND	4.4	0.88	ug/Kg	02/06/15	JLI	SW8260
n-Propylbenzene	ND	4.4	0.88	ug/Kg	02/06/15	JLI	SW8260
p-Isopropyltoluene	ND	4.4	0.88	ug/Kg	02/06/15	JLI	SW8260
sec-Butylbenzene	ND	4.4	0.88	ug/Kg	02/06/15	JLI	SW8260
tert-Butylbenzene	ND	4.4	0.88	ug/Kg	02/06/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	97			%	02/06/15	JLI	SW8260
% Bromofluorobenzene	94			%	02/06/15	JLI	SW8260
% Dibromofluoromethane	75			%	02/06/15	JLI	SW8260
% Toluene-d8	88			%	02/06/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	88	88	ug/kg	02/06/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	4.4	0.88	ug/Kg	02/06/15	JLI	SW8260
1,1,1-Trichloroethane	ND	4.4	0.88	ug/Kg	02/06/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	4.4	0.62	ug/Kg	02/06/15	JLI	SW8260
1,1,2-Trichloroethane	ND	4.4	0.43	ug/Kg	02/06/15	JLI	SW8260
1,1-Dichloroethane	ND	4.4	0.87	ug/Kg	02/06/15	JLI	SW8260
1,1-Dichloroethene	ND	4.4	0.96	ug/Kg	02/06/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 25 1-2

Phoenix I.D.: BH70948

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		4.4	0.59	ug/Kg	02/06/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		4.4	0.52	ug/Kg	02/06/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		4.4	1.2	ug/Kg	02/06/15	JLI	SW8260
1,2-Dibromoethane	ND		4.4	1.2	ug/Kg	02/06/15	JLI	SW8260
1,2-Dichlorobenzene	5.1		4.4	0.48	ug/Kg	02/06/15	JLI	SW8260
1,2-Dichloroethane	ND		4.4	0.39	ug/Kg	02/06/15	JLI	SW8260
1,2-Dichloropropane	ND		4.4	0.62	ug/Kg	02/06/15	JLI	SW8260
1,3-Dichlorobenzene	ND		4.4	0.65	ug/Kg	02/06/15	JLI	SW8260
1,4-Dichlorobenzene	1.6	J	4.4	0.70	ug/Kg	02/06/15	JLI	SW8260
2-Hexanone	ND		22	2.0	ug/Kg	02/06/15	JLI	SW8260
4-Methyl-2-pentanone	ND		22	1.0	ug/Kg	02/06/15	JLI	SW8260
Acetone	11	JS	44	4.4	ug/Kg	02/06/15	JLI	SW8260
Acrolein	ND		22	3.5	ug/Kg	02/06/15	JLI	SW8260
Acrylonitrile	ND		8.8	2.5	ug/Kg	02/06/15	JLI	SW8260
Benzene	ND		4.4	0.87	ug/Kg	02/06/15	JLI	SW8260
Bromochloromethane	ND		4.4	0.64	ug/Kg	02/06/15	JLI	SW8260
Bromodichloromethane	ND		4.4	0.55	ug/Kg	02/06/15	JLI	SW8260
Bromoform	ND		4.4	0.62	ug/Kg	02/06/15	JLI	SW8260
Bromomethane	ND		4.4	3.4	ug/Kg	02/06/15	JLI	SW8260
Carbon Disulfide	ND		4.4	0.71	ug/Kg	02/06/15	JLI	SW8260
Carbon tetrachloride	ND		4.4	0.51	ug/Kg	02/06/15	JLI	SW8260
Chlorobenzene	ND		4.4	0.65	ug/Kg	02/06/15	JLI	SW8260
Chloroethane	ND		4.4	1.0	ug/Kg	02/06/15	JLI	SW8260
Chloroform	ND		4.4	0.80	ug/Kg	02/06/15	JLI	SW8260
Chloromethane	ND		4.4	2.3	ug/Kg	02/06/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		4.4	0.96	ug/Kg	02/06/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		4.4	0.48	ug/Kg	02/06/15	JLI	SW8260
Cyclohexane	ND		4.4	4.4	ug/Kg	02/06/15	JLI	SW8260
Dibromochloromethane	ND		4.4	0.49	ug/Kg	02/06/15	JLI	SW8260
Dichlorodifluoromethane	ND		4.4	1.2	ug/Kg	02/06/15	JLI	SW8260
Ethylbenzene	ND		4.4	0.80	ug/Kg	02/06/15	JLI	SW8260
Isopropylbenzene	ND		4.4	0.84	ug/Kg	02/06/15	JLI	SW8260
m&p-Xylene	ND		4.4	1.7	ug/Kg	02/06/15	JLI	SW8260
Methyl ethyl ketone	ND		26	3.8	ug/Kg	02/06/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		8.8	1.2	ug/Kg	02/06/15	JLI	SW8260
Methylacetate	ND		4.4	4.4	ug/Kg	02/06/15	JLI	SW8260
Methylcyclohexane	ND		4.4	4.4	ug/Kg	02/06/15	JLI	SW8260
Methylene chloride	1.3	JS	4.4	0.72	ug/Kg	02/06/15	JLI	SW8260
o-Xylene	ND		4.4	1.7	ug/Kg	02/06/15	JLI	SW8260
Styrene	ND		4.4	1.3	ug/Kg	02/06/15	JLI	SW8260
tert-butyl alcohol	ND		88	88	ug/Kg	02/06/15	JLI	SW8260
Tetrachloroethene	ND		4.4	0.92	ug/Kg	02/06/15	JLI	SW8260
Toluene	ND		4.4	0.70	ug/Kg	02/06/15	JLI	SW8260
Total Xylenes	ND		4.4	4.4	ug/Kg	02/06/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		4.4	0.88	ug/Kg	02/06/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		4.4	0.90	ug/Kg	02/06/15	JLI	SW8260
Trichloroethene	ND		4.4	0.93	ug/Kg	02/06/15	JLI	SW8260
Trichlorofluoromethane	ND		4.4	0.98	ug/Kg	02/06/15	JLI	SW8260
Trichlorotrifluoroethane	ND		4.4	0.69	ug/Kg	02/06/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 25 1-2

Phoenix I.D.: BH70948

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	4.4	1.4	ug/Kg	02/06/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	97			%	02/06/15	JLI	70 - 130 %	
% Bromofluorobenzene	91			%	02/06/15	JLI	70 - 130 %	
% Dibromofluoromethane	76			%	02/06/15	JLI	70 - 130 %	
% Toluene-d8	88			%	02/06/15	JLI	70 - 130 %	
Vinyl Acetate	ND	44	44	ug/Kg	02/06/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

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 12, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 12, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/05/15	7:20
Location Code:	IMPACT	Received by:	SW	02/05/15	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70938
Phoenix ID: BH70949

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 25 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.39	0.39	0.39	mg/Kg	02/06/15	LK	SW6010	
Aluminum	4900	58	7.8	mg/Kg	02/06/15	LK	SW6010	
Arsenic	3.1	0.8	0.78	mg/Kg	02/06/15	LK	SW6010	
Barium	53.5	0.39	0.39	mg/Kg	02/06/15	LK	SW6010	
Beryllium	< 0.31	0.31	0.16	mg/Kg	02/06/15	LK	SW6010	
Calcium	20200	58	36	mg/Kg	02/06/15	LK	SW6010	
Cadmium	5.41	0.39	0.16	mg/Kg	02/06/15	LK	SW6010	
Cobalt	3.55	0.39	0.39	mg/Kg	02/06/15	LK	SW6010	
Chromium	24.4	0.39	0.39	mg/Kg	02/06/15	LK	SW6010	
Copper	29.6	0.39	0.39	mg/kg	02/06/15	LK	SW6010	
Iron	10200	58	39	mg/Kg	02/06/15	LK	SW6010	B
Mercury	0.21	0.03	0.02	mg/Kg	02/06/15	RS	SW-7471	
Potassium	803	5.8	3.0	mg/Kg	02/06/15	LK	SW6010	
Magnesium	3160	5.8	3.9	mg/Kg	02/06/15	LK	SW6010	
Manganese	148	0.39	0.39	mg/Kg	02/06/15	LK	SW6010	
Sodium	303	5.8	3.3	mg/Kg	02/06/15	LK	SW6010	
Nickel	16.2	0.39	0.39	mg/Kg	02/06/15	LK	SW6010	B
Lead	238	3.9	3.9	mg/Kg	02/06/15	LK	SW6010	
Antimony	< 3.9	3.9	1.9	mg/Kg	02/06/15	LK	SW6010	
Selenium	< 1.6	1.6	1.3	mg/Kg	02/06/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/06/15	EK	SW6010	
TCLP Barium	0.58	0.10	0.010	mg/L	02/06/15	EK	SW6010	B
TCLP Cadmium	0.137	0.050	0.0050	mg/L	02/06/15	LK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/06/15	RS	SW7470	
TCLP Lead	0.39	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/06/15	EK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 25 COMP

Phoenix I.D.: BH70949

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.5	3.5	1.6	mg/Kg	02/06/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/06/15	I/I	SW3005	
Trivalent Chromium	23.4	0.50		mg/kg	02/10/15	CL	Calculation	
Vanadium	16.1	0.39	0.39	mg/Kg	02/06/15	LK	SW6010	
Zinc	495	3.9	3.9	mg/Kg	02/06/15	LK	SW6010	
Percent Solid	86			%	02/05/15	i	SW846	
Corrosivity	Negative			Pos/Neg	02/05/15	DH/KDB	SW846	1
Flash Point	>200	200		degree F	02/06/15	Y	SW1010	
Chromium, Hexavalent	0.980	0.47	0.47	mg/Kg	02/10/15 10:46	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/06/15	Y	SW846	1
pH - Soil	11.94	0.10		pH Units	02/05/15 22:00	DH/KDB	4500-H B/9045	1
Reactivity Cyanide	< 5.8	5.8	0.029	mg/Kg	02/06/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/06/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/06/15	EG	SW 846-7.3	1
Redox Potential	11	1.0		mV	02/05/15	DH/KDB	SM2580B	1
Total Cyanide	< 0.53	0.53	0.26	mg/Kg	02/05/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				02/05/15	JC/H	SW3545	
Soil Extraction for Pesticide	Completed				02/05/15	JC	SW3545	
Soil Extraction for SVOA	Completed				02/05/15	JJ/VH	SW3545	
Mercury Digestion	Completed				02/06/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/05/15	P/D	SW8151	
TCLP Digestion Mercury	Completed				02/06/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/06/15	F/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				02/05/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				02/05/15	I	1311	
TCLP Pesticides Extraction	Completed				02/06/15	TL	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/06/15	L	SW3510	
TCLP Extraction Volatiles	Completed				02/05/15	Y	EPA 1311	
Total Metals Digest	Completed				02/05/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				02/05/15	CC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	48	48	ug/Kg	02/07/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	48	48	ug/Kg	02/07/15	BB	SW8151	
2,4-D	ND	48	48	ug/Kg	02/07/15	BB	SW8151	
2,4-DB	ND	480	480	ug/Kg	02/07/15	BB	SW8151	
Dalapon	ND	48	48	ug/Kg	02/07/15	BB	SW8151	
Dicamba	ND	96	96	ug/Kg	02/07/15	BB	SW8151	
Dichloroprop	ND	48	48	ug/Kg	02/07/15	BB	SW8151	
Dinoseb	ND	96	96	ug/Kg	02/07/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	50			%	02/07/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	850	76	76	ug/Kg	02/06/15	AW	SW 8082	
PCB-1221	ND	76	76	ug/Kg	02/06/15	AW	SW 8082	
PCB-1232	ND	76	76	ug/Kg	02/06/15	AW	SW 8082	
PCB-1242	ND	76	76	ug/Kg	02/06/15	AW	SW 8082	
PCB-1248	ND	76	76	ug/Kg	02/06/15	AW	SW 8082	
PCB-1254	ND	76	76	ug/Kg	02/06/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 25 COMP

Phoenix I.D.: BH70949

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	76	76	ug/Kg	02/06/15	AW	SW 8082
PCB-1262	ND	76	76	ug/Kg	02/06/15	AW	SW 8082
PCB-1268	ND	76	76	ug/Kg	02/06/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	69			%	02/06/15	AW	30 - 150 %
% TCMX	73			%	02/06/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.3	2.3	ug/Kg	02/07/15	CE	SW8081
4,4' -DDE	ND	2.3	2.3	ug/Kg	02/07/15	CE	SW8081
4,4' -DDT	ND	2.3	2.3	ug/Kg	02/07/15	CE	SW8081
a-BHC	ND	7.6	7.6	ug/Kg	02/07/15	CE	SW8081
a-Chlordane	ND	3.8	3.8	ug/Kg	02/07/15	CE	SW8081
Aldrin	ND	3.8	3.8	ug/Kg	02/07/15	CE	SW8081
b-BHC	ND	7.6	7.6	ug/Kg	02/07/15	CE	SW8081
Chlordane	ND	38	38	ug/Kg	02/07/15	CE	SW8081
d-BHC	ND	7.6	7.6	ug/Kg	02/07/15	CE	SW8081
Dieldrin	ND	3.8	3.8	ug/Kg	02/07/15	CE	SW8081
Endosulfan I	ND	7.6	7.6	ug/Kg	02/07/15	CE	SW8081
Endosulfan II	ND	7.6	7.6	ug/Kg	02/07/15	CE	SW8081
Endosulfan sulfate	ND	7.6	7.6	ug/Kg	02/07/15	CE	SW8081
Endrin	ND	7.6	7.6	ug/Kg	02/07/15	CE	SW8081
Endrin aldehyde	ND	7.6	7.6	ug/Kg	02/07/15	CE	SW8081
Endrin ketone	ND	7.6	7.6	ug/Kg	02/07/15	CE	SW8081
g-BHC	ND	10	10	ug/Kg	02/07/15	CE	SW8081
g-Chlordane	ND	3.8	3.8	ug/Kg	02/07/15	CE	SW8081
Heptachlor	ND	7.6	7.6	ug/Kg	02/07/15	CE	SW8081
Heptachlor epoxide	ND	7.6	7.6	ug/Kg	02/07/15	CE	SW8081
Methoxychlor	ND	38	38	ug/Kg	02/07/15	CE	SW8081
Toxaphene	ND	150	150	ug/Kg	02/07/15	CE	SW8081
QA/QC Surrogates							
% DCBP	78			%	02/07/15	CE	30 - 150 %
% TCMX	71			%	02/07/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
QA/QC Surrogates							
% DCAA	80			%	02/10/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/08/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/08/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/08/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/08/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/08/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/08/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/08/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/08/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/08/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/08/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/08/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/08/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/08/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	93			%	02/08/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	82			%	02/08/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	58	58	mg/Kg	02/07/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	84			%	02/07/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/06/15	MH	SW8260
Benzene	ND	25	25	ug/L	02/06/15	MH	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/06/15	MH	SW8260
Chlorobenzene	ND	25	25	ug/L	02/06/15	MH	SW8260
Chloroform	ND	25	25	ug/L	02/06/15	MH	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/06/15	MH	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
Trichloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
Vinyl chloride	ND	25	25	ug/L	02/06/15	MH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	103			%	02/06/15	MH	70 - 130 %
% Bromofluorobenzene	93			%	02/06/15	MH	70 - 130 %
% Dibromofluoromethane	95			%	02/06/15	MH	70 - 130 %
% Toluene-d8	97			%	02/06/15	MH	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	260	120	ug/Kg	02/06/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	02/06/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	380	380	ug/Kg	02/06/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	260	180	ug/Kg	02/06/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	210	ug/Kg	02/06/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	02/06/15	DD	SW 8270
2,4-Dichlorophenol	ND	150	130	ug/Kg	02/06/15	DD	SW 8270
2,4-Dimethylphenol	ND	260	94	ug/Kg	02/06/15	DD	SW 8270
2,4-Dinitrophenol	ND	260	260	ug/Kg	02/06/15	DD	SW 8270
2,4-Dinitrotoluene	ND	150	150	ug/Kg	02/06/15	DD	SW 8270
2,6-Dinitrotoluene	ND	150	120	ug/Kg	02/06/15	DD	SW 8270
2-Chloronaphthalene	ND	260	110	ug/Kg	02/06/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 25 COMP

Phoenix I.D.: BH70949

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		260	110	ug/Kg	02/06/15	DD	SW 8270	
2-Methylnaphthalene	ND		260	110	ug/Kg	02/06/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		260	180	ug/Kg	02/06/15	DD	SW 8270	
2-Nitroaniline	ND		1900	380	ug/Kg	02/06/15	DD	SW 8270	
2-Nitrophenol	ND		260	240	ug/Kg	02/06/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		260	150	ug/Kg	02/06/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		150	180	ug/Kg	02/06/15	DD	SW 8270	
3-Nitroaniline	ND		1900	820	ug/Kg	02/06/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		260	410	ug/Kg	02/06/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		260	110	ug/Kg	02/06/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		260	130	ug/Kg	02/06/15	DD	SW 8270	
4-Chloroaniline	ND		750	180	ug/Kg	02/06/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		260	130	ug/Kg	02/06/15	DD	SW 8270	
4-Nitroaniline	ND		1900	130	ug/Kg	02/06/15	DD	SW 8270	
4-Nitrophenol	ND		1900	170	ug/Kg	02/06/15	DD	SW 8270	
Acenaphthene	180	J	260	110	ug/Kg	02/06/15	DD	SW 8270	
Acenaphthylene	ND		150	110	ug/Kg	02/06/15	DD	SW 8270	
Acetophenone	ND		260	120	ug/Kg	02/06/15	DD	SW 8270	
Anthracene	510		260	120	ug/Kg	02/06/15	DD	SW 8270	
Atrazine	ND		150	170	ug/Kg	02/06/15	DD	SW 8270	
Benz(a)anthracene	1200		260	130	ug/Kg	02/06/15	DD	SW 8270	
Benzaldehyde	ND		260	110	ug/Kg	02/06/15	DD	SW 8270	
Benzidine	ND		570	570	ug/Kg	02/06/15	DD	SW 8270	
Benzo(a)pyrene	950		150	120	ug/Kg	02/06/15	DD	SW 8270	
Benzo(b)fluoranthene	1600		260	130	ug/Kg	02/06/15	DD	SW 8270	
Benzo(ghi)perylene	220	J	260	120	ug/Kg	02/06/15	DD	SW 8270	
Benzo(k)fluoranthene	590		260	130	ug/Kg	02/06/15	DD	SW 8270	
Benzyl Alcohol	ND		380	380	ug/Kg	02/06/15	DD	SW 8270	
Benzyl butyl phthalate	ND		260	97	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		260	100	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		150	100	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		260	100	ug/Kg	02/06/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	120	J	260	110	ug/Kg	02/06/15	DD	SW 8270	
Caprolactam	ND		260	670	ug/Kg	02/06/15	DD	SW 8270	
Carbazole	350	J	1900	290	ug/Kg	02/06/15	DD	SW 8270	
Chrysene	1100		260	130	ug/Kg	02/06/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		150	120	ug/Kg	02/06/15	DD	SW 8270	
Dibenzofuran	ND		260	110	ug/Kg	02/06/15	DD	SW 8270	
Diethyl phthalate	ND		260	120	ug/Kg	02/06/15	DD	SW 8270	
Dimethylphthalate	ND		260	120	ug/Kg	02/06/15	DD	SW 8270	
Di-n-butylphthalate	ND		260	100	ug/Kg	02/06/15	DD	SW 8270	
Di-n-octylphthalate	ND		260	97	ug/Kg	02/06/15	DD	SW 8270	
Fluoranthene	2100		260	120	ug/Kg	02/06/15	DD	SW 8270	
Fluorene	190	J	260	120	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorobenzene	ND		150	110	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorobutadiene	ND		260	140	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		260	120	ug/Kg	02/06/15	DD	SW 8270	
Hexachloroethane	ND		150	110	ug/Kg	02/06/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	210	J	260	130	ug/Kg	02/06/15	DD	SW 8270	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 25 COMP

Phoenix I.D.: BH70949

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND	150	110	ug/Kg	02/06/15	DD	SW 8270	
Naphthalene	ND	260	110	ug/Kg	02/06/15	DD	SW 8270	
Nitrobenzene	ND	150	130	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodimethylamine	ND	260	110	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	150	120	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND	150	140	ug/Kg	02/06/15	DD	SW 8270	
Pentachlorophenol	ND	260	140	ug/Kg	02/06/15	DD	SW 8270	
Phenanthrene	1800	150	110	ug/Kg	02/06/15	DD	SW 8270	
Phenol	ND	260	120	ug/Kg	02/06/15	DD	SW 8270	
Pyrene	2100	260	130	ug/Kg	02/06/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	52			%	02/06/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	84			%	02/06/15	DD	30 - 130 %	
% 2-Fluorophenol	72			%	02/06/15	DD	30 - 130 %	
% Nitrobenzene-d5	77			%	02/06/15	DD	30 - 130 %	
% Phenol-d5	83			%	02/06/15	DD	30 - 130 %	
% Terphenyl-d14	94			%	02/06/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral								
1,4-Dichlorobenzene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND	83	83	ug/L	02/08/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND	83	83	ug/L	02/08/15	DD	SW 8270	
2,4-Dinitrotoluene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	83	83	ug/L	02/08/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Hexachlorobenzene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Hexachlorobutadiene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Hexachloroethane	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Nitrobenzene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Pentachlorophenol	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Pyridine	ND	83	83	ug/L	02/08/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	95			%	02/08/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	71			%	02/08/15	DD	30 - 130 %	
% 2-Fluorophenol	53			%	02/08/15	DD	15 - 110 %	
% Nitrobenzene-d5	76			%	02/08/15	DD	30 - 130 %	
% Phenol-d5	47			%	02/08/15	DD	15 - 110 %	
% Terphenyl-d14	96			%	02/08/15	DD	30 - 130 %	
Aniline	ND	330		ug/Kg	02/06/15	DD	SW8270	
Benzoic Acid	ND	330		ug/Kg	02/06/15	DD	SW8270	1
Parathion	ND	380	150	ug/Kg	02/06/15	DD	SW8270	1

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 25 COMP

Phoenix I.D.: BH70949

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Pesticide Comment:
Due to matrix interference caused by the presence of PCBs in the sample, an elevated RL was reported.

Hexavalent Chromium:
This sample is in a reducing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
February 12, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 12, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/05/15	7:40
Location Code:	IMPACT	Received by:	SW	02/05/15	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70938
Phoenix ID: BH70950

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 39 2-3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/05/15	i	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	3.0	0.60	ug/Kg	02/06/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	3.0	0.60	ug/Kg	02/06/15	JLI	SW8260
1,3-Dichlorobenzene	ND	3.0	0.60	ug/Kg	02/06/15	JLI	SW8260
Naphthalene	ND	3.0	0.80	ug/Kg	02/06/15	JLI	SW8260
n-Butylbenzene	ND	3.0	0.60	ug/Kg	02/06/15	JLI	SW8260
n-Propylbenzene	ND	3.0	0.60	ug/Kg	02/06/15	JLI	SW8260
p-Isopropyltoluene	ND	3.0	0.60	ug/Kg	02/06/15	JLI	SW8260
sec-Butylbenzene	ND	3.0	0.60	ug/Kg	02/06/15	JLI	SW8260
tert-Butylbenzene	ND	3.0	0.60	ug/Kg	02/06/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	115			%	02/06/15	JLI	SW8260
% Bromofluorobenzene	83			%	02/06/15	JLI	SW8260
% Dibromofluoromethane	103			%	02/06/15	JLI	SW8260
% Toluene-d8	89			%	02/06/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	60	60	ug/kg	02/06/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	3.0	0.60	ug/Kg	02/06/15	JLI	SW8260
1,1,1-Trichloroethane	ND	3.0	0.60	ug/Kg	02/06/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	3.0	0.43	ug/Kg	02/06/15	JLI	SW8260
1,1,2-Trichloroethane	ND	3.0	0.29	ug/Kg	02/06/15	JLI	SW8260
1,1-Dichloroethane	ND	3.0	0.59	ug/Kg	02/06/15	JLI	SW8260
1,1-Dichloroethene	ND	3.0	0.65	ug/Kg	02/06/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 39 2-3

Phoenix I.D.: BH70950

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		3.0	0.40	ug/Kg	02/06/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		3.0	0.35	ug/Kg	02/06/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		3.0	0.80	ug/Kg	02/06/15	JLI	SW8260
1,2-Dibromoethane	ND		3.0	0.80	ug/Kg	02/06/15	JLI	SW8260
1,2-Dichlorobenzene	ND		3.0	0.33	ug/Kg	02/06/15	JLI	SW8260
1,2-Dichloroethane	ND		3.0	0.26	ug/Kg	02/06/15	JLI	SW8260
1,2-Dichloropropane	ND		3.0	0.43	ug/Kg	02/06/15	JLI	SW8260
1,3-Dichlorobenzene	ND		3.0	0.44	ug/Kg	02/06/15	JLI	SW8260
1,4-Dichlorobenzene	ND		3.0	0.47	ug/Kg	02/06/15	JLI	SW8260
2-Hexanone	ND		15	1.4	ug/Kg	02/06/15	JLI	SW8260
4-Methyl-2-pentanone	ND		15	0.71	ug/Kg	02/06/15	JLI	SW8260
Acetone	ND		30	3.0	ug/Kg	02/06/15	JLI	SW8260
Acrolein	ND		15	2.4	ug/Kg	02/06/15	JLI	SW8260
Acrylonitrile	ND		6.0	1.7	ug/Kg	02/06/15	JLI	SW8260
Benzene	ND		3.0	0.59	ug/Kg	02/06/15	JLI	SW8260
Bromochloromethane	ND		3.0	0.44	ug/Kg	02/06/15	JLI	SW8260
Bromodichloromethane	ND		3.0	0.37	ug/Kg	02/06/15	JLI	SW8260
Bromoform	ND		3.0	0.42	ug/Kg	02/06/15	JLI	SW8260
Bromomethane	ND		3.0	2.3	ug/Kg	02/06/15	JLI	SW8260
Carbon Disulfide	ND		3.0	0.49	ug/Kg	02/06/15	JLI	SW8260
Carbon tetrachloride	ND		3.0	0.35	ug/Kg	02/06/15	JLI	SW8260
Chlorobenzene	ND		3.0	0.44	ug/Kg	02/06/15	JLI	SW8260
Chloroethane	ND		3.0	0.70	ug/Kg	02/06/15	JLI	SW8260
Chloroform	ND		3.0	0.55	ug/Kg	02/06/15	JLI	SW8260
Chloromethane	ND		3.0	1.6	ug/Kg	02/06/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		3.0	0.65	ug/Kg	02/06/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		3.0	0.32	ug/Kg	02/06/15	JLI	SW8260
Cyclohexane	ND		3.0	3.0	ug/Kg	02/06/15	JLI	SW8260
Dibromochloromethane	ND		3.0	0.34	ug/Kg	02/06/15	JLI	SW8260
Dichlorodifluoromethane	ND		3.0	0.80	ug/Kg	02/06/15	JLI	SW8260
Ethylbenzene	ND		3.0	0.55	ug/Kg	02/06/15	JLI	SW8260
Isopropylbenzene	ND		3.0	0.58	ug/Kg	02/06/15	JLI	SW8260
m&p-Xylene	ND		3.0	1.2	ug/Kg	02/06/15	JLI	SW8260
Methyl ethyl ketone	ND		18	2.6	ug/Kg	02/06/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		6.0	0.83	ug/Kg	02/06/15	JLI	SW8260
Methylacetate	ND		3.0	3.0	ug/Kg	02/06/15	JLI	SW8260
Methylcyclohexane	ND		3.0	3.0	ug/Kg	02/06/15	JLI	SW8260
Methylene chloride	0.76	JS	3.0	0.49	ug/Kg	02/06/15	JLI	SW8260
o-Xylene	ND		3.0	1.1	ug/Kg	02/06/15	JLI	SW8260
Styrene	ND		3.0	0.86	ug/Kg	02/06/15	JLI	SW8260
tert-butyl alcohol	ND		60	60	ug/Kg	02/06/15	JLI	SW8260
Tetrachloroethene	ND		3.0	0.63	ug/Kg	02/06/15	JLI	SW8260
Toluene	ND		3.0	0.47	ug/Kg	02/06/15	JLI	SW8260
Total Xylenes	ND		3.0	3.0	ug/Kg	02/06/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		3.0	0.60	ug/Kg	02/06/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		3.0	0.61	ug/Kg	02/06/15	JLI	SW8260
Trichloroethene	ND		3.0	0.64	ug/Kg	02/06/15	JLI	SW8260
Trichlorofluoromethane	ND		3.0	0.67	ug/Kg	02/06/15	JLI	SW8260
Trichlorotrifluoroethane	ND		3.0	0.47	ug/Kg	02/06/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 39 2-3

Phoenix I.D.: BH70950

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	3.0	0.97	ug/Kg	02/06/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	116			%	02/06/15	JLI	70 - 130 %	
% Bromofluorobenzene	80			%	02/06/15	JLI	70 - 130 %	
% Dibromofluoromethane	103			%	02/06/15	JLI	70 - 130 %	
% Toluene-d8	89			%	02/06/15	JLI	70 - 130 %	
Vinyl Acetate	ND	30	30	ug/Kg	02/06/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

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 12, 2015
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Analysis Report

February 12, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/05/15	7:40
Location Code:	IMPACT	Received by:	SW	02/05/15	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70938
Phoenix ID: BH70951

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 39 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 1.0	1.0	0.39	mg/Kg	02/06/15	LK	SW6010	
Aluminum	10100	58	7.8	mg/Kg	02/06/15	LK	SW6010	
Arsenic	4.5	0.8	0.78	mg/Kg	02/06/15	LK	SW6010	
Barium	96.1	0.39	0.39	mg/Kg	02/06/15	LK	SW6010	
Beryllium	0.35	0.31	0.16	mg/Kg	02/06/15	LK	SW6010	
Calcium	35200	58	36	mg/Kg	02/06/15	LK	SW6010	
Cadmium	20.6	0.39	0.16	mg/Kg	02/06/15	LK	SW6010	
Cobalt	4.65	0.39	0.39	mg/Kg	02/06/15	LK	SW6010	
Chromium	58.9	0.39	0.39	mg/Kg	02/06/15	LK	SW6010	
Copper	59.9	0.39	0.39	mg/kg	02/06/15	LK	SW6010	
Iron	15400	58	39	mg/Kg	02/06/15	LK	SW6010	B
Mercury	0.40	0.03	0.02	mg/Kg	02/06/15	RS	SW-7471	
Potassium	1150	5.8	3.0	mg/Kg	02/06/15	LK	SW6010	
Magnesium	3180	5.8	3.9	mg/Kg	02/06/15	LK	SW6010	
Manganese	217	3.9	3.9	mg/Kg	02/06/15	LK	SW6010	
Sodium	556	5.8	3.3	mg/Kg	02/06/15	LK	SW6010	
Nickel	23.1	0.39	0.39	mg/Kg	02/06/15	LK	SW6010	B
Lead	712	3.9	3.9	mg/Kg	02/06/15	LK	SW6010	
Antimony	< 10	10	1.9	mg/Kg	02/06/15	LK	SW6010	
Selenium	< 1.6	1.6	1.3	mg/Kg	02/06/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/06/15	EK	SW6010	
TCLP Barium	0.35	0.10	0.010	mg/L	02/06/15	EK	SW6010	B
TCLP Cadmium	0.190	0.050	0.0050	mg/L	02/06/15	LK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/06/15	RS	SW7470	
TCLP Lead	0.14	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/06/15	EK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 39 COMP

Phoenix I.D.: BH70951

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.5	3.5	1.6	mg/Kg	02/06/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/06/15	I/I	SW3005	
Trivalent Chromium	57.8	0.50		mg/kg	02/10/15	CL	Calculation	
Vanadium	25.0	0.39	0.39	mg/Kg	02/06/15	LK	SW6010	
Zinc	840	3.9	3.9	mg/Kg	02/06/15	LK	SW6010	
Percent Solid	87			%	02/05/15	i	SW846	
Corrosivity	Negative			Pos/Neg	02/05/15	DH/KDB	SW846	1
Flash Point	>200	200		degree F	02/06/15	Y	SW1010	
Chromium, Hexavalent	1.14	0.46	0.46	mg/Kg	02/10/15 10:46	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/06/15	Y	SW846	1
pH - Soil	11.20	0.10		pH Units	02/05/15 22:00	DH/KDB	4500-H B/9045	1
Reactivity Cyanide	< 5.6	5.6	0.028	mg/Kg	02/06/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/06/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/06/15	EG	SW 846-7.3	1
Redox Potential	23	1.0		mV	02/05/15	DH/KDB	SM2580B	1
Total Cyanide	< 0.57	0.57	0.29	mg/Kg	02/05/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				02/05/15	JC/H	SW3545	
Soil Extraction for Pesticide	Completed				02/05/15	JC	SW3545	
Soil Extraction for SVOA	Completed				02/05/15	JJ/VH	SW3545	
Mercury Digestion	Completed				02/06/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/05/15	P/D	SW8151	
TCLP Digestion Mercury	Completed				02/06/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/06/15	F/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				02/05/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				02/05/15	I	1311	
TCLP Pesticides Extraction	Completed				02/06/15	TL	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/06/15	L	SW3510	
TCLP Extraction Volatiles	Completed				02/05/15	Y	EPA 1311	
Total Metals Digest	Completed				02/05/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				02/05/15	CC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	48	48	ug/Kg	02/07/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	48	48	ug/Kg	02/07/15	BB	SW8151	
2,4-D	ND	48	48	ug/Kg	02/07/15	BB	SW8151	
2,4-DB	ND	480	480	ug/Kg	02/07/15	BB	SW8151	
Dalapon	ND	48	48	ug/Kg	02/07/15	BB	SW8151	
Dicamba	ND	96	96	ug/Kg	02/07/15	BB	SW8151	
Dichloroprop	ND	48	48	ug/Kg	02/07/15	BB	SW8151	
Dinoseb	ND	96	96	ug/Kg	02/07/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	50			%	02/07/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	870	75	75	ug/Kg	02/06/15	AW	SW 8082	
PCB-1221	ND	75	75	ug/Kg	02/06/15	AW	SW 8082	
PCB-1232	ND	75	75	ug/Kg	02/06/15	AW	SW 8082	
PCB-1242	ND	75	75	ug/Kg	02/06/15	AW	SW 8082	
PCB-1248	ND	75	75	ug/Kg	02/06/15	AW	SW 8082	
PCB-1254	ND	75	75	ug/Kg	02/06/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 39 COMP

Phoenix I.D.: BH70951

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	75	75	ug/Kg	02/06/15	AW	SW 8082
PCB-1262	ND	75	75	ug/Kg	02/06/15	AW	SW 8082
PCB-1268	ND	75	75	ug/Kg	02/06/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	79			%	02/06/15	AW	30 - 150 %
% TCMX	78			%	02/06/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.3	2.3	ug/Kg	02/07/15	CE	SW8081
4,4' -DDE	ND	2.3	2.3	ug/Kg	02/07/15	CE	SW8081
4,4' -DDT	ND	2.3	2.3	ug/Kg	02/07/15	CE	SW8081
a-BHC	ND	7.5	7.5	ug/Kg	02/07/15	CE	SW8081
a-Chlordane	ND	3.8	3.8	ug/Kg	02/07/15	CE	SW8081
Aldrin	ND	3.8	3.8	ug/Kg	02/07/15	CE	SW8081
b-BHC	ND	7.5	7.5	ug/Kg	02/07/15	CE	SW8081
Chlordane	ND	38	38	ug/Kg	02/07/15	CE	SW8081
d-BHC	ND	7.5	7.5	ug/Kg	02/07/15	CE	SW8081
Dieldrin	ND	3.8	3.8	ug/Kg	02/07/15	CE	SW8081
Endosulfan I	ND	7.5	7.5	ug/Kg	02/07/15	CE	SW8081
Endosulfan II	ND	7.5	7.5	ug/Kg	02/07/15	CE	SW8081
Endosulfan sulfate	ND	7.5	7.5	ug/Kg	02/07/15	CE	SW8081
Endrin	ND	7.5	7.5	ug/Kg	02/07/15	CE	SW8081
Endrin aldehyde	ND	7.5	7.5	ug/Kg	02/07/15	CE	SW8081
Endrin ketone	ND	7.5	7.5	ug/Kg	02/07/15	CE	SW8081
g-BHC	ND	10	10	ug/Kg	02/07/15	CE	SW8081
g-Chlordane	ND	3.8	3.8	ug/Kg	02/07/15	CE	SW8081
Heptachlor	ND	7.5	7.5	ug/Kg	02/07/15	CE	SW8081
Heptachlor epoxide	ND	7.5	7.5	ug/Kg	02/07/15	CE	SW8081
Methoxychlor	ND	38	38	ug/Kg	02/07/15	CE	SW8081
Toxaphene	ND	150	150	ug/Kg	02/07/15	CE	SW8081
QA/QC Surrogates							
% DCBP	55			%	02/07/15	CE	30 - 150 %
% TCMX	65			%	02/07/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
QA/QC Surrogates							
% DCAA	66			%	02/10/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/08/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/08/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/08/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/08/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/08/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/08/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/08/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/08/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/08/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/08/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/08/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/08/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/08/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	89			%	02/08/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	79			%	02/08/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	75	57	57	mg/Kg	02/07/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	84			%	02/07/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/06/15	MH	SW8260
Benzene	ND	25	25	ug/L	02/06/15	MH	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/06/15	MH	SW8260
Chlorobenzene	ND	25	25	ug/L	02/06/15	MH	SW8260
Chloroform	ND	25	25	ug/L	02/06/15	MH	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/06/15	MH	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
Trichloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
Vinyl chloride	ND	25	25	ug/L	02/06/15	MH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100			%	02/06/15	MH	70 - 130 %
% Bromofluorobenzene	96			%	02/06/15	MH	70 - 130 %
% Dibromofluoromethane	89			%	02/06/15	MH	70 - 130 %
% Toluene-d8	98			%	02/06/15	MH	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	260	110	ug/Kg	02/06/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	02/06/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	370	370	ug/Kg	02/06/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	260	170	ug/Kg	02/06/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	02/06/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	02/06/15	DD	SW 8270
2,4-Dichlorophenol	ND	150	130	ug/Kg	02/06/15	DD	SW 8270
2,4-Dimethylphenol	ND	260	93	ug/Kg	02/06/15	DD	SW 8270
2,4-Dinitrophenol	ND	260	260	ug/Kg	02/06/15	DD	SW 8270
2,4-Dinitrotoluene	ND	150	150	ug/Kg	02/06/15	DD	SW 8270
2,6-Dinitrotoluene	ND	150	120	ug/Kg	02/06/15	DD	SW 8270
2-Chloronaphthalene	ND	260	110	ug/Kg	02/06/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 39 COMP

Phoenix I.D.: BH70951

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		260	110	ug/Kg	02/06/15	DD	SW 8270	
2-Methylnaphthalene	ND		260	110	ug/Kg	02/06/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		260	180	ug/Kg	02/06/15	DD	SW 8270	
2-Nitroaniline	ND		1900	380	ug/Kg	02/06/15	DD	SW 8270	
2-Nitrophenol	ND		260	240	ug/Kg	02/06/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		260	150	ug/Kg	02/06/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		150	180	ug/Kg	02/06/15	DD	SW 8270	
3-Nitroaniline	ND		1900	810	ug/Kg	02/06/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		260	400	ug/Kg	02/06/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		260	110	ug/Kg	02/06/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		260	130	ug/Kg	02/06/15	DD	SW 8270	
4-Chloroaniline	ND		750	170	ug/Kg	02/06/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		260	130	ug/Kg	02/06/15	DD	SW 8270	
4-Nitroaniline	ND		1900	120	ug/Kg	02/06/15	DD	SW 8270	
4-Nitrophenol	ND		1900	170	ug/Kg	02/06/15	DD	SW 8270	
Acenaphthene	440		260	110	ug/Kg	02/06/15	DD	SW 8270	
Acenaphthylene	ND		150	100	ug/Kg	02/06/15	DD	SW 8270	
Acetophenone	ND		260	120	ug/Kg	02/06/15	DD	SW 8270	
Anthracene	1200		260	120	ug/Kg	02/06/15	DD	SW 8270	
Atrazine	ND		150	170	ug/Kg	02/06/15	DD	SW 8270	
Benz(a)anthracene	3100		260	130	ug/Kg	02/06/15	DD	SW 8270	
Benzaldehyde	ND		260	110	ug/Kg	02/06/15	DD	SW 8270	
Benzidine	ND		560	560	ug/Kg	02/06/15	DD	SW 8270	
Benzo(a)pyrene	2500		150	120	ug/Kg	02/06/15	DD	SW 8270	
Benzo(b)fluoranthene	4200		260	130	ug/Kg	02/06/15	DD	SW 8270	
Benzo(ghi)perylene	640		260	120	ug/Kg	02/06/15	DD	SW 8270	
Benzo(k)fluoranthene	1300		260	120	ug/Kg	02/06/15	DD	SW 8270	
Benzyl Alcohol	ND		370	370	ug/Kg	02/06/15	DD	SW 8270	
Benzyl butyl phthalate	ND		260	96	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		260	100	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		150	100	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		260	100	ug/Kg	02/06/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	940		260	110	ug/Kg	02/06/15	DD	SW 8270	
Caprolactam	ND		260	670	ug/Kg	02/06/15	DD	SW 8270	
Carbazole	820	J	1900	280	ug/Kg	02/06/15	DD	SW 8270	
Chrysene	2800		260	130	ug/Kg	02/06/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		150	120	ug/Kg	02/06/15	DD	SW 8270	
Dibenzofuran	240	J	260	110	ug/Kg	02/06/15	DD	SW 8270	
Diethyl phthalate	ND		260	120	ug/Kg	02/06/15	DD	SW 8270	
Dimethylphthalate	ND		260	120	ug/Kg	02/06/15	DD	SW 8270	
Di-n-butylphthalate	ND		260	99	ug/Kg	02/06/15	DD	SW 8270	
Di-n-octylphthalate	ND		260	96	ug/Kg	02/06/15	DD	SW 8270	
Fluoranthene	5500		1300	610	ug/Kg	02/06/15	DD	SW 8270	
Fluorene	420		260	120	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorobenzene	ND		150	110	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorobutadiene	ND		260	140	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		260	110	ug/Kg	02/06/15	DD	SW 8270	
Hexachloroethane	ND		150	110	ug/Kg	02/06/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	620		260	120	ug/Kg	02/06/15	DD	SW 8270	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 39 COMP

Phoenix I.D.: BH70951

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND	150	100	ug/Kg	02/06/15	DD	SW 8270	
Naphthalene	ND	260	110	ug/Kg	02/06/15	DD	SW 8270	
Nitrobenzene	ND	150	130	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodimethylamine	ND	260	110	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	150	120	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND	150	140	ug/Kg	02/06/15	DD	SW 8270	
Pentachlorophenol	ND	260	140	ug/Kg	02/06/15	DD	SW 8270	
Phenanthrene	4000	150	110	ug/Kg	02/06/15	DD	SW 8270	
Phenol	ND	260	120	ug/Kg	02/06/15	DD	SW 8270	
Pyrene	4900	1300	640	ug/Kg	02/06/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	57			%	02/06/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	90			%	02/06/15	DD	30 - 130 %	
% 2-Fluorophenol	81			%	02/06/15	DD	30 - 130 %	
% Nitrobenzene-d5	80			%	02/06/15	DD	30 - 130 %	
% Phenol-d5	87			%	02/06/15	DD	30 - 130 %	
% Terphenyl-d14	105			%	02/06/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral								
1,4-Dichlorobenzene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND	83	83	ug/L	02/08/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND	83	83	ug/L	02/08/15	DD	SW 8270	
2,4-Dinitrotoluene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	83	83	ug/L	02/08/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Hexachlorobenzene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Hexachlorobutadiene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Hexachloroethane	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Nitrobenzene	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Pentachlorophenol	ND	83	83	ug/L	02/08/15	DD	SW 8270	
Pyridine	ND	83	83	ug/L	02/08/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	101			%	02/08/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	81			%	02/08/15	DD	30 - 130 %	
% 2-Fluorophenol	70			%	02/08/15	DD	15 - 110 %	
% Nitrobenzene-d5	90			%	02/08/15	DD	30 - 130 %	
% Phenol-d5	57			%	02/08/15	DD	15 - 110 %	
% Terphenyl-d14	98			%	02/08/15	DD	30 - 130 %	
Aniline	ND	330		ug/Kg	02/06/15	DD	SW8270	
Benzoic Acid	ND	330		ug/Kg	02/06/15	DD	SW8270	1
Parathion	ND	370	150	ug/Kg	02/06/15	DD	SW8270	1

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 39 COMP

Phoenix I.D.: BH70951

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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 12, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 12, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/05/15	8:00
Location Code:	IMPACT	Received by:	SW	02/05/15	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70938
Phoenix ID: BH70952

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 23 1-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/05/15	i	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	2.5	0.49	ug/Kg	02/06/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	2.5	0.49	ug/Kg	02/06/15	JLI	SW8260
1,3-Dichlorobenzene	ND	2.5	0.49	ug/Kg	02/06/15	JLI	SW8260
Naphthalene	ND	2.5	0.66	ug/Kg	02/06/15	JLI	SW8260
n-Butylbenzene	ND	2.5	0.49	ug/Kg	02/06/15	JLI	SW8260
n-Propylbenzene	ND	2.5	0.49	ug/Kg	02/06/15	JLI	SW8260
p-Isopropyltoluene	ND	2.5	0.49	ug/Kg	02/06/15	JLI	SW8260
sec-Butylbenzene	ND	2.5	0.49	ug/Kg	02/06/15	JLI	SW8260
tert-Butylbenzene	ND	2.5	0.49	ug/Kg	02/06/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	105			%	02/06/15	JLI	SW8260
% Bromofluorobenzene	93			%	02/06/15	JLI	SW8260
% Dibromofluoromethane	81			%	02/06/15	JLI	SW8260
% Toluene-d8	88			%	02/06/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	49	49	ug/kg	02/06/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	2.5	0.49	ug/Kg	02/06/15	JLI	SW8260
1,1,1-Trichloroethane	ND	2.5	0.49	ug/Kg	02/06/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	2.5	0.35	ug/Kg	02/06/15	JLI	SW8260
1,1,2-Trichloroethane	ND	2.5	0.24	ug/Kg	02/06/15	JLI	SW8260
1,1-Dichloroethane	ND	2.5	0.49	ug/Kg	02/06/15	JLI	SW8260
1,1-Dichloroethene	ND	2.5	0.53	ug/Kg	02/06/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 23 1-2

Phoenix I.D.: BH70952

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		2.5	0.33	ug/Kg	02/06/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		2.5	0.29	ug/Kg	02/06/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		2.5	0.66	ug/Kg	02/06/15	JLI	SW8260
1,2-Dibromoethane	ND		2.5	0.65	ug/Kg	02/06/15	JLI	SW8260
1,2-Dichlorobenzene	ND		2.5	0.27	ug/Kg	02/06/15	JLI	SW8260
1,2-Dichloroethane	ND		2.5	0.22	ug/Kg	02/06/15	JLI	SW8260
1,2-Dichloropropane	ND		2.5	0.35	ug/Kg	02/06/15	JLI	SW8260
1,3-Dichlorobenzene	ND		2.5	0.36	ug/Kg	02/06/15	JLI	SW8260
1,4-Dichlorobenzene	ND		2.5	0.39	ug/Kg	02/06/15	JLI	SW8260
2-Hexanone	ND		12	1.1	ug/Kg	02/06/15	JLI	SW8260
4-Methyl-2-pentanone	ND		12	0.58	ug/Kg	02/06/15	JLI	SW8260
Acetone	16	JS	25	2.4	ug/Kg	02/06/15	JLI	SW8260
Acrolein	ND		12	2.0	ug/Kg	02/06/15	JLI	SW8260
Acrylonitrile	ND		4.9	1.4	ug/Kg	02/06/15	JLI	SW8260
Benzene	ND		2.5	0.49	ug/Kg	02/06/15	JLI	SW8260
Bromochloromethane	ND		2.5	0.36	ug/Kg	02/06/15	JLI	SW8260
Bromodichloromethane	ND		2.5	0.30	ug/Kg	02/06/15	JLI	SW8260
Bromoform	ND		2.5	0.34	ug/Kg	02/06/15	JLI	SW8260
Bromomethane	ND		2.5	1.9	ug/Kg	02/06/15	JLI	SW8260
Carbon Disulfide	2.3	J	2.5	0.40	ug/Kg	02/06/15	JLI	SW8260
Carbon tetrachloride	ND		2.5	0.28	ug/Kg	02/06/15	JLI	SW8260
Chlorobenzene	ND		2.5	0.36	ug/Kg	02/06/15	JLI	SW8260
Chloroethane	ND		2.5	0.57	ug/Kg	02/06/15	JLI	SW8260
Chloroform	ND		2.5	0.45	ug/Kg	02/06/15	JLI	SW8260
Chloromethane	ND		2.5	1.3	ug/Kg	02/06/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		2.5	0.53	ug/Kg	02/06/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		2.5	0.26	ug/Kg	02/06/15	JLI	SW8260
Cyclohexane	ND		2.5	2.5	ug/Kg	02/06/15	JLI	SW8260
Dibromochloromethane	ND		2.5	0.27	ug/Kg	02/06/15	JLI	SW8260
Dichlorodifluoromethane	ND		2.5	0.65	ug/Kg	02/06/15	JLI	SW8260
Ethylbenzene	ND		2.5	0.45	ug/Kg	02/06/15	JLI	SW8260
Isopropylbenzene	ND		2.5	0.47	ug/Kg	02/06/15	JLI	SW8260
m&p-Xylene	ND		2.5	0.97	ug/Kg	02/06/15	JLI	SW8260
Methyl ethyl ketone	ND		15	2.1	ug/Kg	02/06/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		4.9	0.68	ug/Kg	02/06/15	JLI	SW8260
Methylacetate	ND		2.5	2.5	ug/Kg	02/06/15	JLI	SW8260
Methylcyclohexane	ND		2.5	2.5	ug/Kg	02/06/15	JLI	SW8260
Methylene chloride	0.57	JS	2.5	0.40	ug/Kg	02/06/15	JLI	SW8260
o-Xylene	ND		2.5	0.94	ug/Kg	02/06/15	JLI	SW8260
Styrene	ND		2.5	0.71	ug/Kg	02/06/15	JLI	SW8260
tert-butyl alcohol	ND		49	49	ug/Kg	02/06/15	JLI	SW8260
Tetrachloroethene	ND		2.5	0.51	ug/Kg	02/06/15	JLI	SW8260
Toluene	ND		2.5	0.39	ug/Kg	02/06/15	JLI	SW8260
Total Xylenes	ND		2.5	2.5	ug/Kg	02/06/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		2.5	0.49	ug/Kg	02/06/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		2.5	0.50	ug/Kg	02/06/15	JLI	SW8260
Trichloroethene	ND		2.5	0.52	ug/Kg	02/06/15	JLI	SW8260
Trichlorofluoromethane	ND		2.5	0.54	ug/Kg	02/06/15	JLI	SW8260
Trichlorotrifluoroethane	ND		2.5	0.38	ug/Kg	02/06/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 23 1-2

Phoenix I.D.: BH70952

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	2.5	0.79	ug/Kg	02/06/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	106			%	02/06/15	JLI	70 - 130 %	
% Bromofluorobenzene	90			%	02/06/15	JLI	70 - 130 %	
% Dibromofluoromethane	81			%	02/06/15	JLI	70 - 130 %	
% Toluene-d8	88			%	02/06/15	JLI	70 - 130 %	
Vinyl Acetate	ND	25	25	ug/Kg	02/06/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

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 12, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 12, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/05/15	8:00
Location Code:	IMPACT	Received by:	SW	02/05/15	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70938
Phoenix ID: BH70953

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 23 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.35	0.35	0.35	mg/Kg	02/06/15	LK	SW6010	
Aluminum	5390	53	7.0	mg/Kg	02/06/15	LK	SW6010	
Arsenic	3.6	0.7	0.70	mg/Kg	02/06/15	LK	SW6010	
Barium	52.6	0.35	0.35	mg/Kg	02/06/15	LK	SW6010	
Beryllium	0.33	0.28	0.14	mg/Kg	02/06/15	LK	SW6010	
Calcium	16100	53	32	mg/Kg	02/06/15	LK	SW6010	
Cadmium	0.72	0.35	0.14	mg/Kg	02/06/15	LK	SW6010	
Cobalt	4.74	0.35	0.35	mg/Kg	02/06/15	LK	SW6010	
Chromium	15.4	0.35	0.35	mg/Kg	02/06/15	LK	SW6010	
Copper	21.7	0.35	0.35	mg/kg	02/06/15	LK	SW6010	
Iron	9370	53	35	mg/Kg	02/06/15	LK	SW6010	B
Mercury	0.25	0.03	0.02	mg/Kg	02/06/15	RS	SW-7471	
Potassium	1030	5.3	2.7	mg/Kg	02/06/15	LK	SW6010	
Magnesium	3570	5.3	3.5	mg/Kg	02/06/15	LK	SW6010	
Manganese	146	3.5	3.5	mg/Kg	02/06/15	LK	SW6010	
Sodium	254	5.3	3.0	mg/Kg	02/06/15	LK	SW6010	
Nickel	17.7	0.35	0.35	mg/Kg	02/06/15	LK	SW6010	B
Lead	93.6	0.35	0.35	mg/Kg	02/06/15	LK	SW6010	
Antimony	< 3.5	3.5	1.8	mg/Kg	02/06/15	LK	SW6010	
Selenium	< 1.4	1.4	1.2	mg/Kg	02/06/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/06/15	EK	SW6010	
TCLP Barium	0.54	0.10	0.010	mg/L	02/06/15	EK	SW6010	B
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/06/15	EK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/06/15	RS	SW7470	
TCLP Lead	0.32	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/06/15	EK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 23 COMP

Phoenix I.D.: BH70953

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.2	3.2	1.4	mg/Kg	02/06/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/06/15	I/I	SW3005	
Trivalent Chromium	15.4	0.50		mg/kg	02/10/15	CL	Calculation	
Vanadium	18.6	0.35	0.35	mg/Kg	02/06/15	LK	SW6010	
Zinc	91.0	0.35	0.35	mg/Kg	02/06/15	LK	SW6010	
Percent Solid	89			%	02/05/15	i	SW846	
Corrosivity	Negative			Pos/Neg	02/05/15	DH/KDB	SW846	1
Flash Point	>200	200		degree F	02/06/15	Y	SW1010	
Chromium, Hexavalent	< 0.45	0.45	0.45	mg/Kg	02/10/15 10:46	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/06/15	Y	SW846	1
pH - Soil	12.00	0.10		pH Units	02/05/15 22:00	DH/KDB	4500-H B/9045	1
Reactivity Cyanide	< 5.5	5.5	0.028	mg/Kg	02/06/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/06/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/06/15	EG	SW 846-7.3	1
Redox Potential	-0.8	1.0		mV	02/05/15	DH/KDB	SM2580B	1
Total Cyanide	< 0.56	0.56	0.28	mg/Kg	02/05/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				02/05/15	JC/H	SW3545	
Soil Extraction for Pesticide	Completed				02/05/15	JC	SW3545	
Soil Extraction for SVOA	Completed				02/05/15	JJ/VH	SW3545	
Mercury Digestion	Completed				02/06/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/05/15	P/D	SW8151	
TCLP Digestion Mercury	Completed				02/06/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/06/15	F/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				02/05/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				02/05/15	I	1311	
TCLP Pesticides Extraction	Completed				02/06/15	TL	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/06/15	L	SW3510	
TCLP Extraction Volatiles	Completed				02/05/15	Y	EPA 1311	
Total Metals Digest	Completed				02/05/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				02/05/15	CC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	46	46	ug/Kg	02/07/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	46	46	ug/Kg	02/07/15	BB	SW8151	
2,4-D	ND	46	46	ug/Kg	02/07/15	BB	SW8151	
2,4-DB	ND	460	460	ug/Kg	02/07/15	BB	SW8151	
Dalapon	ND	46	46	ug/Kg	02/07/15	BB	SW8151	
Dicamba	ND	92	92	ug/Kg	02/07/15	BB	SW8151	
Dichloroprop	ND	46	46	ug/Kg	02/07/15	BB	SW8151	
Dinoseb	ND	92	92	ug/Kg	02/07/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	52			%	02/07/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	73	73	ug/Kg	02/06/15	AW	SW 8082	
PCB-1221	ND	73	73	ug/Kg	02/06/15	AW	SW 8082	
PCB-1232	ND	73	73	ug/Kg	02/06/15	AW	SW 8082	
PCB-1242	ND	73	73	ug/Kg	02/06/15	AW	SW 8082	
PCB-1248	ND	73	73	ug/Kg	02/06/15	AW	SW 8082	
PCB-1254	ND	73	73	ug/Kg	02/06/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 23 COMP

Phoenix I.D.: BH70953

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	73	73	ug/Kg	02/06/15	AW	SW 8082
PCB-1262	ND	73	73	ug/Kg	02/06/15	AW	SW 8082
PCB-1268	ND	73	73	ug/Kg	02/06/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	71			%	02/06/15	AW	30 - 150 %
% TCMX	69			%	02/06/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.2	2.2	ug/Kg	02/07/15	CE	SW8081
4,4' -DDE	ND	2.2	2.2	ug/Kg	02/07/15	CE	SW8081
4,4' -DDT	ND	2.2	2.2	ug/Kg	02/07/15	CE	SW8081
a-BHC	ND	7.3	7.3	ug/Kg	02/07/15	CE	SW8081
a-Chlordane	ND	3.7	3.7	ug/Kg	02/07/15	CE	SW8081
Aldrin	ND	3.7	3.7	ug/Kg	02/07/15	CE	SW8081
b-BHC	ND	7.3	7.3	ug/Kg	02/07/15	CE	SW8081
Chlordane	ND	37	37	ug/Kg	02/07/15	CE	SW8081
d-BHC	ND	7.3	7.3	ug/Kg	02/07/15	CE	SW8081
Dieldrin	ND	3.7	3.7	ug/Kg	02/07/15	CE	SW8081
Endosulfan I	ND	7.3	7.3	ug/Kg	02/07/15	CE	SW8081
Endosulfan II	ND	7.3	7.3	ug/Kg	02/07/15	CE	SW8081
Endosulfan sulfate	ND	7.3	7.3	ug/Kg	02/07/15	CE	SW8081
Endrin	ND	7.3	7.3	ug/Kg	02/07/15	CE	SW8081
Endrin aldehyde	ND	7.3	7.3	ug/Kg	02/07/15	CE	SW8081
Endrin ketone	ND	7.3	7.3	ug/Kg	02/07/15	CE	SW8081
g-BHC	ND	1.5	1.5	ug/Kg	02/07/15	CE	SW8081
g-Chlordane	ND	3.7	3.7	ug/Kg	02/07/15	CE	SW8081
Heptachlor	ND	7.3	7.3	ug/Kg	02/07/15	CE	SW8081
Heptachlor epoxide	ND	7.3	7.3	ug/Kg	02/07/15	CE	SW8081
Methoxychlor	ND	37	37	ug/Kg	02/07/15	CE	SW8081
Toxaphene	ND	150	150	ug/Kg	02/07/15	CE	SW8081
QA/QC Surrogates							
% DCBP	31			%	02/07/15	CE	30 - 150 %
% TCMX	44			%	02/07/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
QA/QC Surrogates							
% DCAA	64			%	02/10/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/08/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/08/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/08/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/08/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/08/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/08/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/08/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/08/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/08/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/08/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/08/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/08/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/08/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	89			%	02/08/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	82			%	02/08/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	55	55	mg/Kg	02/07/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	82			%	02/07/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/06/15	MH	SW8260
Benzene	ND	25	25	ug/L	02/06/15	MH	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/06/15	MH	SW8260
Chlorobenzene	ND	25	25	ug/L	02/06/15	MH	SW8260
Chloroform	ND	25	25	ug/L	02/06/15	MH	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/06/15	MH	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
Trichloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
Vinyl chloride	ND	25	25	ug/L	02/06/15	MH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102			%	02/06/15	MH	70 - 130 %
% Bromofluorobenzene	93			%	02/06/15	MH	70 - 130 %
% Dibromofluoromethane	92			%	02/06/15	MH	70 - 130 %
% Toluene-d8	97			%	02/06/15	MH	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	260	110	ug/Kg	02/06/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	02/06/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	370	370	ug/Kg	02/06/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	260	170	ug/Kg	02/06/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	02/06/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	02/06/15	DD	SW 8270
2,4-Dichlorophenol	ND	150	130	ug/Kg	02/06/15	DD	SW 8270
2,4-Dimethylphenol	ND	260	93	ug/Kg	02/06/15	DD	SW 8270
2,4-Dinitrophenol	ND	260	260	ug/Kg	02/06/15	DD	SW 8270
2,4-Dinitrotoluene	ND	150	150	ug/Kg	02/06/15	DD	SW 8270
2,6-Dinitrotoluene	ND	150	120	ug/Kg	02/06/15	DD	SW 8270
2-Chloronaphthalene	ND	260	110	ug/Kg	02/06/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 23 COMP

Phoenix I.D.: BH70953

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		260	110	ug/Kg	02/06/15	DD	SW 8270	
2-Methylnaphthalene	ND		260	110	ug/Kg	02/06/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		260	180	ug/Kg	02/06/15	DD	SW 8270	
2-Nitroaniline	ND		1900	380	ug/Kg	02/06/15	DD	SW 8270	
2-Nitrophenol	ND		260	240	ug/Kg	02/06/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		260	150	ug/Kg	02/06/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		150	180	ug/Kg	02/06/15	DD	SW 8270	
3-Nitroaniline	ND		1900	810	ug/Kg	02/06/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		260	400	ug/Kg	02/06/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		260	110	ug/Kg	02/06/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		260	130	ug/Kg	02/06/15	DD	SW 8270	
4-Chloroaniline	ND		750	170	ug/Kg	02/06/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		260	130	ug/Kg	02/06/15	DD	SW 8270	
4-Nitroaniline	ND		1900	120	ug/Kg	02/06/15	DD	SW 8270	
4-Nitrophenol	ND		1900	170	ug/Kg	02/06/15	DD	SW 8270	
Acenaphthene	ND		260	110	ug/Kg	02/06/15	DD	SW 8270	
Acenaphthylene	ND		150	100	ug/Kg	02/06/15	DD	SW 8270	
Acetophenone	ND		260	120	ug/Kg	02/06/15	DD	SW 8270	
Anthracene	ND		260	120	ug/Kg	02/06/15	DD	SW 8270	
Atrazine	ND		150	170	ug/Kg	02/06/15	DD	SW 8270	
Benz(a)anthracene	280		260	130	ug/Kg	02/06/15	DD	SW 8270	
Benzaldehyde	ND		260	110	ug/Kg	02/06/15	DD	SW 8270	
Benzidine	ND		560	560	ug/Kg	02/06/15	DD	SW 8270	
Benzo(a)pyrene	280		150	120	ug/Kg	02/06/15	DD	SW 8270	
Benzo(b)fluoranthene	480		260	130	ug/Kg	02/06/15	DD	SW 8270	
Benzo(ghi)perylene	ND		260	120	ug/Kg	02/06/15	DD	SW 8270	
Benzo(k)fluoranthene	200	J	260	120	ug/Kg	02/06/15	DD	SW 8270	
Benzyl Alcohol	ND		370	370	ug/Kg	02/06/15	DD	SW 8270	
Benzyl butyl phthalate	ND		260	96	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		260	100	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		150	100	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		260	100	ug/Kg	02/06/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	230	J	260	110	ug/Kg	02/06/15	DD	SW 8270	
Caprolactam	ND		260	670	ug/Kg	02/06/15	DD	SW 8270	
Carbazole	ND		1900	280	ug/Kg	02/06/15	DD	SW 8270	
Chrysene	270		260	130	ug/Kg	02/06/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		150	120	ug/Kg	02/06/15	DD	SW 8270	
Dibenzofuran	ND		260	110	ug/Kg	02/06/15	DD	SW 8270	
Diethyl phthalate	ND		260	120	ug/Kg	02/06/15	DD	SW 8270	
Dimethylphthalate	ND		260	120	ug/Kg	02/06/15	DD	SW 8270	
Di-n-butylphthalate	ND		260	99	ug/Kg	02/06/15	DD	SW 8270	
Di-n-octylphthalate	ND		260	96	ug/Kg	02/06/15	DD	SW 8270	
Fluoranthene	470		260	120	ug/Kg	02/06/15	DD	SW 8270	
Fluorene	ND		260	120	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorobenzene	ND		150	110	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorobutadiene	ND		260	140	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		260	110	ug/Kg	02/06/15	DD	SW 8270	
Hexachloroethane	ND		150	110	ug/Kg	02/06/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND		260	120	ug/Kg	02/06/15	DD	SW 8270	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND	150	100	ug/Kg	02/06/15	DD	SW 8270	
Naphthalene	ND	260	110	ug/Kg	02/06/15	DD	SW 8270	
Nitrobenzene	ND	150	130	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodimethylamine	ND	260	110	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	150	120	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND	150	140	ug/Kg	02/06/15	DD	SW 8270	
Pentachlorophenol	ND	260	140	ug/Kg	02/06/15	DD	SW 8270	
Phenanthrene	350	150	110	ug/Kg	02/06/15	DD	SW 8270	
Phenol	ND	260	120	ug/Kg	02/06/15	DD	SW 8270	
Pyrene	450	260	130	ug/Kg	02/06/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	43			%	02/06/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	80			%	02/06/15	DD	30 - 130 %	
% 2-Fluorophenol	55			%	02/06/15	DD	30 - 130 %	
% Nitrobenzene-d5	68			%	02/06/15	DD	30 - 130 %	
% Phenol-d5	75			%	02/06/15	DD	30 - 130 %	
% Terphenyl-d14	91			%	02/06/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral								
1,4-Dichlorobenzene	ND	83	83	ug/L	02/09/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND	83	83	ug/L	02/09/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND	83	83	ug/L	02/09/15	DD	SW 8270	
2,4-Dinitrotoluene	ND	83	83	ug/L	02/09/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	83	83	ug/L	02/09/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND	83	83	ug/L	02/09/15	DD	SW 8270	
Hexachlorobenzene	ND	83	83	ug/L	02/09/15	DD	SW 8270	
Hexachlorobutadiene	ND	83	83	ug/L	02/09/15	DD	SW 8270	
Hexachloroethane	ND	83	83	ug/L	02/09/15	DD	SW 8270	
Nitrobenzene	ND	83	83	ug/L	02/09/15	DD	SW 8270	
Pentachlorophenol	ND	83	83	ug/L	02/09/15	DD	SW 8270	
Pyridine	ND	83	83	ug/L	02/09/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	95			%	02/09/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	75			%	02/09/15	DD	30 - 130 %	
% 2-Fluorophenol	60			%	02/09/15	DD	15 - 110 %	
% Nitrobenzene-d5	79			%	02/09/15	DD	30 - 130 %	
% Phenol-d5	51			%	02/09/15	DD	15 - 110 %	
% Terphenyl-d14	98			%	02/09/15	DD	30 - 130 %	
Aniline	ND	330		ug/Kg	02/06/15	DD	SW8270	
Benzoic Acid	ND	330		ug/Kg	02/06/15	DD	SW8270	1
Parathion	ND	370	150	ug/Kg	02/06/15	DD	SW8270	1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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 12, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 12, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/05/15	8:20
Location Code:	IMPACT	Received by:	SW	02/05/15	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70938
Phoenix ID: BH70954

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 24 1-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/05/15	i	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	2.4	0.47	ug/Kg	02/06/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	2.4	0.47	ug/Kg	02/06/15	JLI	SW8260
1,3-Dichlorobenzene	ND	2.4	0.47	ug/Kg	02/06/15	JLI	SW8260
Naphthalene	ND	2.4	0.63	ug/Kg	02/06/15	JLI	SW8260
n-Butylbenzene	ND	2.4	0.47	ug/Kg	02/06/15	JLI	SW8260
n-Propylbenzene	ND	2.4	0.47	ug/Kg	02/06/15	JLI	SW8260
p-Isopropyltoluene	ND	2.4	0.47	ug/Kg	02/06/15	JLI	SW8260
sec-Butylbenzene	ND	2.4	0.47	ug/Kg	02/06/15	JLI	SW8260
tert-Butylbenzene	ND	2.4	0.47	ug/Kg	02/06/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	98			%	02/06/15	JLI	SW8260
% Bromofluorobenzene	96			%	02/06/15	JLI	SW8260
% Dibromofluoromethane	63			%	02/06/15	JLI	SW8260
% Toluene-d8	89			%	02/06/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	46	46	ug/kg	02/07/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	2.3	0.46	ug/Kg	02/07/15	JLI	SW8260
1,1,1-Trichloroethane	ND	2.3	0.46	ug/Kg	02/07/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	2.3	0.33	ug/Kg	02/07/15	JLI	SW8260
1,1,2-Trichloroethane	ND	2.3	0.23	ug/Kg	02/07/15	JLI	SW8260
1,1-Dichloroethane	ND	2.3	0.46	ug/Kg	02/07/15	JLI	SW8260
1,1-Dichloroethene	ND	2.3	0.50	ug/Kg	02/07/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 24 1-2

Phoenix I.D.: BH70954

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		2.3	0.31	ug/Kg	02/07/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		2.3	0.27	ug/Kg	02/07/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		2.3	0.62	ug/Kg	02/07/15	JLI	SW8260
1,2-Dibromoethane	ND		2.3	0.61	ug/Kg	02/07/15	JLI	SW8260
1,2-Dichlorobenzene	ND		2.3	0.25	ug/Kg	02/07/15	JLI	SW8260
1,2-Dichloroethane	ND		2.3	0.20	ug/Kg	02/07/15	JLI	SW8260
1,2-Dichloropropane	ND		2.3	0.33	ug/Kg	02/07/15	JLI	SW8260
1,3-Dichlorobenzene	ND		2.3	0.34	ug/Kg	02/07/15	JLI	SW8260
1,4-Dichlorobenzene	ND		2.3	0.36	ug/Kg	02/07/15	JLI	SW8260
2-Hexanone	ND		12	1.0	ug/Kg	02/07/15	JLI	SW8260
4-Methyl-2-pentanone	ND		12	0.55	ug/Kg	02/07/15	JLI	SW8260
Acetone	18	JS	23	2.3	ug/Kg	02/07/15	JLI	SW8260
Acrolein	ND		12	1.8	ug/Kg	02/07/15	JLI	SW8260
Acrylonitrile	ND		4.6	1.3	ug/Kg	02/07/15	JLI	SW8260
Benzene	ND		2.3	0.46	ug/Kg	02/07/15	JLI	SW8260
Bromochloromethane	ND		2.3	0.34	ug/Kg	02/07/15	JLI	SW8260
Bromodichloromethane	ND		2.3	0.29	ug/Kg	02/07/15	JLI	SW8260
Bromoform	ND		2.3	0.32	ug/Kg	02/07/15	JLI	SW8260
Bromomethane	ND		2.3	1.8	ug/Kg	02/07/15	JLI	SW8260
Carbon Disulfide	0.55	J	2.3	0.37	ug/Kg	02/07/15	JLI	SW8260
Carbon tetrachloride	ND		2.3	0.27	ug/Kg	02/07/15	JLI	SW8260
Chlorobenzene	ND		2.3	0.34	ug/Kg	02/07/15	JLI	SW8260
Chloroethane	ND		2.3	0.54	ug/Kg	02/07/15	JLI	SW8260
Chloroform	ND		2.3	0.42	ug/Kg	02/07/15	JLI	SW8260
Chloromethane	ND		2.3	1.2	ug/Kg	02/07/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		2.3	0.50	ug/Kg	02/07/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		2.3	0.25	ug/Kg	02/07/15	JLI	SW8260
Cyclohexane	ND		2.3	2.3	ug/Kg	02/07/15	JLI	SW8260
Dibromochloromethane	ND		2.3	0.26	ug/Kg	02/07/15	JLI	SW8260
Dichlorodifluoromethane	ND		2.3	0.61	ug/Kg	02/07/15	JLI	SW8260
Ethylbenzene	0.54	J	2.3	0.42	ug/Kg	02/07/15	JLI	SW8260
Isopropylbenzene	ND		2.3	0.44	ug/Kg	02/07/15	JLI	SW8260
m&p-Xylene	2.9		2.3	0.91	ug/Kg	02/07/15	JLI	SW8260
Methyl ethyl ketone	2.8	J	14	2.0	ug/Kg	02/07/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		4.6	0.63	ug/Kg	02/07/15	JLI	SW8260
Methylacetate	ND		2.3	2.3	ug/Kg	02/07/15	JLI	SW8260
Methylcyclohexane	ND		2.3	2.3	ug/Kg	02/07/15	JLI	SW8260
Methylene chloride	0.62	JS	2.3	0.38	ug/Kg	02/07/15	JLI	SW8260
o-Xylene	ND		2.3	0.88	ug/Kg	02/07/15	JLI	SW8260
Styrene	ND		2.3	0.66	ug/Kg	02/07/15	JLI	SW8260
tert-butyl alcohol	ND		46	46	ug/Kg	02/07/15	JLI	SW8260
Tetrachloroethene	ND		2.3	0.48	ug/Kg	02/07/15	JLI	SW8260
Toluene	ND		2.3	0.36	ug/Kg	02/07/15	JLI	SW8260
Total Xylenes	2.9		2.3	2.3	ug/Kg	02/07/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		2.3	0.46	ug/Kg	02/07/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		2.3	0.47	ug/Kg	02/07/15	JLI	SW8260
Trichloroethene	ND		2.3	0.49	ug/Kg	02/07/15	JLI	SW8260
Trichlorofluoromethane	ND		2.3	0.51	ug/Kg	02/07/15	JLI	SW8260
Trichlorotrifluoroethane	ND		2.3	0.36	ug/Kg	02/07/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 24 1-2

Phoenix I.D.: BH70954

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	2.3	0.75	ug/Kg	02/07/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	97			%	02/07/15	JLI	70 - 130 %	
% Bromofluorobenzene	92			%	02/07/15	JLI	70 - 130 %	
% Dibromofluoromethane	69			%	02/07/15	JLI	70 - 130 %	3
% Toluene-d8	89			%	02/07/15	JLI	70 - 130 %	
Vinyl Acetate	ND	24	24	ug/Kg	02/06/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

Volatile Comment:

**Poor surrogate recovery was observed for volatiles. Sample was analyzed twice with similar results indicating matrix interference.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
February 12, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 12, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/05/15	8:20
Location Code:	IMPACT	Received by:	SW	02/05/15	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70938
Phoenix ID: BH70955

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 24 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.34	0.34	0.34	mg/Kg	02/06/15	LK	SW6010	
Aluminum	3710	52	6.9	mg/Kg	02/06/15	LK	SW6010	
Arsenic	2.5	0.7	0.69	mg/Kg	02/06/15	LK	SW6010	
Barium	30.9	0.34	0.34	mg/Kg	02/06/15	LK	SW6010	
Beryllium	< 0.27	0.27	0.14	mg/Kg	02/06/15	LK	SW6010	
Calcium	12700	52	32	mg/Kg	02/06/15	LK	SW6010	
Cadmium	< 0.34	0.34	0.14	mg/Kg	02/06/15	LK	SW6010	
Cobalt	2.81	0.34	0.34	mg/Kg	02/06/15	LK	SW6010	
Chromium	9.19	0.34	0.34	mg/Kg	02/06/15	LK	SW6010	
Copper	13.3	0.34	0.34	mg/kg	02/06/15	LK	SW6010	
Iron	7110	52	34	mg/Kg	02/06/15	LK	SW6010	B
Mercury	0.15	0.03	0.02	mg/Kg	02/06/15	RS	SW-7471	
Potassium	704	5.2	2.7	mg/Kg	02/06/15	LK	SW6010	
Magnesium	1550	5.2	3.4	mg/Kg	02/06/15	LK	SW6010	
Manganese	110	0.34	0.34	mg/Kg	02/06/15	LK	SW6010	
Sodium	154	5.2	3.0	mg/Kg	02/06/15	LK	SW6010	
Nickel	11.7	0.34	0.34	mg/Kg	02/06/15	LK	SW6010	B
Lead	42.2	0.34	0.34	mg/Kg	02/06/15	LK	SW6010	
Antimony	< 3.4	3.4	1.7	mg/Kg	02/06/15	LK	SW6010	
Selenium	< 1.4	1.4	1.2	mg/Kg	02/06/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/06/15	EK	SW6010	
TCLP Barium	0.38	0.10	0.010	mg/L	02/06/15	EK	SW6010	B
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/06/15	EK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/06/15	RS	SW7470	
TCLP Lead	0.18	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/06/15	EK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 24 COMP

Phoenix I.D.: BH70955

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.1	3.1	1.4	mg/Kg	02/06/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/06/15	I/I	SW3005	
Trivalent Chromium	9.19	0.50		mg/kg	02/10/15	CL	Calculation	
Vanadium	12.1	0.34	0.34	mg/Kg	02/06/15	LK	SW6010	
Zinc	52.3	0.34	0.34	mg/Kg	02/06/15	LK	SW6010	
Percent Solid	91			%	02/05/15	i	SW846	
Corrosivity	Negative			Pos/Neg	02/05/15	DH/KDB	SW846	1
Flash Point	>200	200		degree F	02/06/15	Y	SW1010	
Chromium, Hexavalent	< 0.42	0.42	0.42	mg/Kg	02/10/15 10:46	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/06/15	Y	SW846	1
pH - Soil	11.69	0.10		pH Units	02/05/15 22:00	DH/KDB	4500-H B/9045	1
Reactivity Cyanide	< 5.5	5.5	0.027	mg/Kg	02/06/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/06/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/06/15	EG	SW 846-7.3	1
Redox Potential	-11	1.0		mV	02/05/15	DH/KDB	SM2580B	1
Total Cyanide	< 0.55	0.55	0.27	mg/Kg	02/05/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				02/05/15	JC/H	SW3545	
Soil Extraction for Pesticide	Completed				02/05/15	JC	SW3545	
Soil Extraction for SVOA	Completed				02/05/15	JJ/VH	SW3545	
Mercury Digestion	Completed				02/06/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/05/15	P/D	SW8151	
TCLP Digestion Mercury	Completed				02/06/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/06/15	F/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				02/05/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				02/05/15	I	1311	
TCLP Pesticides Extraction	Completed				02/06/15	TL	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/06/15	L	SW3510	
TCLP Extraction Volatiles	Completed				02/05/15	Y	EPA 1311	
Total Metals Digest	Completed				02/05/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				02/05/15	CC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	46	46	ug/Kg	02/07/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	46	46	ug/Kg	02/07/15	BB	SW8151	
2,4-D	ND	46	46	ug/Kg	02/07/15	BB	SW8151	
2,4-DB	ND	460	460	ug/Kg	02/07/15	BB	SW8151	
Dalapon	ND	46	46	ug/Kg	02/07/15	BB	SW8151	
Dicamba	ND	91	91	ug/Kg	02/07/15	BB	SW8151	
Dichloroprop	ND	46	46	ug/Kg	02/07/15	BB	SW8151	
Dinoseb	ND	91	91	ug/Kg	02/07/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	58			%	02/07/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	73	73	ug/Kg	02/06/15	AW	SW 8082	
PCB-1221	ND	73	73	ug/Kg	02/06/15	AW	SW 8082	
PCB-1232	ND	73	73	ug/Kg	02/06/15	AW	SW 8082	
PCB-1242	ND	73	73	ug/Kg	02/06/15	AW	SW 8082	
PCB-1248	ND	73	73	ug/Kg	02/06/15	AW	SW 8082	
PCB-1254	ND	73	73	ug/Kg	02/06/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 24 COMP

Phoenix I.D.: BH70955

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	73	73	ug/Kg	02/06/15	AW	SW 8082
PCB-1262	ND	73	73	ug/Kg	02/06/15	AW	SW 8082
PCB-1268	ND	73	73	ug/Kg	02/06/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	68			%	02/06/15	AW	30 - 150 %
% TCMX	74			%	02/06/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.2	2.2	ug/Kg	02/07/15	CE	SW8081
4,4' -DDE	ND	2.2	2.2	ug/Kg	02/07/15	CE	SW8081
4,4' -DDT	ND	2.2	2.2	ug/Kg	02/07/15	CE	SW8081
a-BHC	ND	7.3	7.3	ug/Kg	02/07/15	CE	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	02/07/15	CE	SW8081
Aldrin	ND	3.6	3.6	ug/Kg	02/07/15	CE	SW8081
b-BHC	ND	7.3	7.3	ug/Kg	02/07/15	CE	SW8081
Chlordane	ND	36	36	ug/Kg	02/07/15	CE	SW8081
d-BHC	ND	7.3	7.3	ug/Kg	02/07/15	CE	SW8081
Dieldrin	ND	3.6	3.6	ug/Kg	02/07/15	CE	SW8081
Endosulfan I	ND	7.3	7.3	ug/Kg	02/07/15	CE	SW8081
Endosulfan II	ND	7.3	7.3	ug/Kg	02/07/15	CE	SW8081
Endosulfan sulfate	ND	7.3	7.3	ug/Kg	02/07/15	CE	SW8081
Endrin	ND	7.3	7.3	ug/Kg	02/07/15	CE	SW8081
Endrin aldehyde	ND	7.3	7.3	ug/Kg	02/07/15	CE	SW8081
Endrin ketone	ND	7.3	7.3	ug/Kg	02/07/15	CE	SW8081
g-BHC	ND	1.5	1.5	ug/Kg	02/07/15	CE	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	02/07/15	CE	SW8081
Heptachlor	ND	7.3	7.3	ug/Kg	02/07/15	CE	SW8081
Heptachlor epoxide	ND	7.3	7.3	ug/Kg	02/07/15	CE	SW8081
Methoxychlor	ND	36	36	ug/Kg	02/07/15	CE	SW8081
Toxaphene	ND	150	150	ug/Kg	02/07/15	CE	SW8081
QA/QC Surrogates							
% DCBP	88			%	02/07/15	CE	30 - 150 %
% TCMX	77			%	02/07/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
QA/QC Surrogates							
% DCAA	64			%	02/10/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/08/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/08/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/08/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/08/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/08/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/08/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/08/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/08/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/08/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/08/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/08/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/08/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/08/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	93			%	02/08/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	78			%	02/08/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	54	54	mg/Kg	02/07/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	90			%	02/07/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/06/15	MH	SW8260
Benzene	ND	25	25	ug/L	02/06/15	MH	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/06/15	MH	SW8260
Chlorobenzene	ND	25	25	ug/L	02/06/15	MH	SW8260
Chloroform	ND	25	25	ug/L	02/06/15	MH	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/06/15	MH	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
Trichloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
Vinyl chloride	ND	25	25	ug/L	02/06/15	MH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101			%	02/06/15	MH	70 - 130 %
% Bromofluorobenzene	95			%	02/06/15	MH	70 - 130 %
% Dibromofluoromethane	92			%	02/06/15	MH	70 - 130 %
% Toluene-d8	97			%	02/06/15	MH	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	250	110	ug/Kg	02/06/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	02/06/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	360	360	ug/Kg	02/06/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	250	170	ug/Kg	02/06/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	02/06/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	02/06/15	DD	SW 8270
2,4-Dichlorophenol	ND	140	130	ug/Kg	02/06/15	DD	SW 8270
2,4-Dimethylphenol	ND	250	88	ug/Kg	02/06/15	DD	SW 8270
2,4-Dinitrophenol	ND	250	250	ug/Kg	02/06/15	DD	SW 8270
2,4-Dinitrotoluene	ND	140	140	ug/Kg	02/06/15	DD	SW 8270
2,6-Dinitrotoluene	ND	140	110	ug/Kg	02/06/15	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	02/06/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 24 COMP

Phoenix I.D.: BH70955

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		250	100	ug/Kg	02/06/15	DD	SW 8270	
2-Methylnaphthalene	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		250	170	ug/Kg	02/06/15	DD	SW 8270	
2-Nitroaniline	ND		1800	360	ug/Kg	02/06/15	DD	SW 8270	
2-Nitrophenol	ND		250	230	ug/Kg	02/06/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		250	140	ug/Kg	02/06/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		140	170	ug/Kg	02/06/15	DD	SW 8270	
3-Nitroaniline	ND		1800	780	ug/Kg	02/06/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		250	380	ug/Kg	02/06/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		250	100	ug/Kg	02/06/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		250	130	ug/Kg	02/06/15	DD	SW 8270	
4-Chloroaniline	ND		710	170	ug/Kg	02/06/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	
4-Nitroaniline	ND		1800	120	ug/Kg	02/06/15	DD	SW 8270	
4-Nitrophenol	ND		1800	160	ug/Kg	02/06/15	DD	SW 8270	
Acenaphthene	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Acenaphthylene	ND		140	100	ug/Kg	02/06/15	DD	SW 8270	
Acetophenone	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Anthracene	210	J	250	120	ug/Kg	02/06/15	DD	SW 8270	
Atrazine	ND		140	160	ug/Kg	02/06/15	DD	SW 8270	
Benz(a)anthracene	880		250	120	ug/Kg	02/06/15	DD	SW 8270	
Benzaldehyde	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Benzidine	ND		530	530	ug/Kg	02/06/15	DD	SW 8270	
Benzo(a)pyrene	800		140	120	ug/Kg	02/06/15	DD	SW 8270	
Benzo(b)fluoranthene	1300		250	120	ug/Kg	02/06/15	DD	SW 8270	
Benzo(ghi)perylene	210	J	250	120	ug/Kg	02/06/15	DD	SW 8270	
Benzo(k)fluoranthene	520		250	120	ug/Kg	02/06/15	DD	SW 8270	
Benzyl Alcohol	ND		360	360	ug/Kg	02/06/15	DD	SW 8270	
Benzyl butyl phthalate	ND		250	92	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		250	98	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		140	96	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		250	99	ug/Kg	02/06/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		250	100	ug/Kg	02/06/15	DD	SW 8270	
Caprolactam	ND		250	640	ug/Kg	02/06/15	DD	SW 8270	
Carbazole	ND		1800	270	ug/Kg	02/06/15	DD	SW 8270	
Chrysene	820		250	120	ug/Kg	02/06/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		140	120	ug/Kg	02/06/15	DD	SW 8270	
Dibenzofuran	ND		250	100	ug/Kg	02/06/15	DD	SW 8270	
Diethyl phthalate	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Dimethylphthalate	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Di-n-butylphthalate	ND		250	95	ug/Kg	02/06/15	DD	SW 8270	
Di-n-octylphthalate	ND		250	92	ug/Kg	02/06/15	DD	SW 8270	
Fluoranthene	1700		250	120	ug/Kg	02/06/15	DD	SW 8270	
Fluorene	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorobenzene	ND		140	100	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorobutadiene	ND		250	130	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Hexachloroethane	ND		140	110	ug/Kg	02/06/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	200	J	250	120	ug/Kg	02/06/15	DD	SW 8270	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND	140	100	ug/Kg	02/06/15	DD	SW 8270	
Naphthalene	ND	250	100	ug/Kg	02/06/15	DD	SW 8270	
Nitrobenzene	ND	140	120	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodimethylamine	ND	250	100	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	140	120	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND	140	140	ug/Kg	02/06/15	DD	SW 8270	
Pentachlorophenol	ND	250	130	ug/Kg	02/06/15	DD	SW 8270	
Phenanthrene	1100	140	100	ug/Kg	02/06/15	DD	SW 8270	
Phenol	ND	250	110	ug/Kg	02/06/15	DD	SW 8270	
Pyrene	1400	250	120	ug/Kg	02/06/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	53			%	02/06/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	91			%	02/06/15	DD	30 - 130 %	
% 2-Fluorophenol	78			%	02/06/15	DD	30 - 130 %	
% Nitrobenzene-d5	74			%	02/06/15	DD	30 - 130 %	
% Phenol-d5	84			%	02/06/15	DD	30 - 130 %	
% Terphenyl-d14	98			%	02/06/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral								
1,4-Dichlorobenzene	ND	83	83	ug/L	02/09/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND	83	83	ug/L	02/09/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND	83	83	ug/L	02/09/15	DD	SW 8270	
2,4-Dinitrotoluene	ND	83	83	ug/L	02/09/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	83	83	ug/L	02/09/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND	83	83	ug/L	02/09/15	DD	SW 8270	
Hexachlorobenzene	ND	83	83	ug/L	02/09/15	DD	SW 8270	
Hexachlorobutadiene	ND	83	83	ug/L	02/09/15	DD	SW 8270	
Hexachloroethane	ND	83	83	ug/L	02/09/15	DD	SW 8270	
Nitrobenzene	ND	83	83	ug/L	02/09/15	DD	SW 8270	
Pentachlorophenol	ND	83	83	ug/L	02/09/15	DD	SW 8270	
Pyridine	ND	83	83	ug/L	02/09/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	109			%	02/09/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	84			%	02/09/15	DD	30 - 130 %	
% 2-Fluorophenol	66			%	02/09/15	DD	15 - 110 %	
% Nitrobenzene-d5	89			%	02/09/15	DD	30 - 130 %	
% Phenol-d5	56			%	02/09/15	DD	15 - 110 %	
% Terphenyl-d14	100			%	02/09/15	DD	30 - 130 %	
Aniline	ND	330		ug/Kg	02/06/15	DD	SW8270	
Benzoic Acid	ND	330		ug/Kg	02/06/15	DD	SW8270	1
Parathion	ND	360	140	ug/Kg	02/06/15	DD	SW8270	1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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 12, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 12, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/05/15	8:45
Location Code:	IMPACT	Received by:	SW	02/05/15	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70938
Phoenix ID: BH70956

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 31 1-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/05/15	i	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	2.7	0.53	ug/Kg	02/06/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	2.7	0.53	ug/Kg	02/06/15	JLI	SW8260
1,3-Dichlorobenzene	ND	2.7	0.53	ug/Kg	02/06/15	JLI	SW8260
Naphthalene	ND	2.7	0.71	ug/Kg	02/06/15	JLI	SW8260
n-Butylbenzene	ND	2.7	0.53	ug/Kg	02/06/15	JLI	SW8260
n-Propylbenzene	ND	2.7	0.53	ug/Kg	02/06/15	JLI	SW8260
p-Isopropyltoluene	ND	2.7	0.53	ug/Kg	02/06/15	JLI	SW8260
sec-Butylbenzene	ND	2.7	0.53	ug/Kg	02/06/15	JLI	SW8260
tert-Butylbenzene	ND	2.7	0.53	ug/Kg	02/06/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	109			%	02/06/15	JLI	SW8260
% Bromofluorobenzene	85			%	02/06/15	JLI	SW8260
% Dibromofluoromethane	98			%	02/06/15	JLI	SW8260
% Toluene-d8	89			%	02/06/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	46	46	ug/kg	02/07/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	2.3	0.46	ug/Kg	02/07/15	JLI	SW8260
1,1,1-Trichloroethane	ND	2.3	0.46	ug/Kg	02/07/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	2.3	0.33	ug/Kg	02/07/15	JLI	SW8260
1,1,2-Trichloroethane	ND	2.3	0.23	ug/Kg	02/07/15	JLI	SW8260
1,1-Dichloroethane	ND	2.3	0.46	ug/Kg	02/07/15	JLI	SW8260
1,1-Dichloroethene	ND	2.3	0.50	ug/Kg	02/07/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 31 1-2

Phoenix I.D.: BH70956

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		2.3	0.31	ug/Kg	02/07/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		2.3	0.27	ug/Kg	02/07/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		2.3	0.62	ug/Kg	02/07/15	JLI	SW8260
1,2-Dibromoethane	ND		2.3	0.61	ug/Kg	02/07/15	JLI	SW8260
1,2-Dichlorobenzene	ND		2.3	0.25	ug/Kg	02/07/15	JLI	SW8260
1,2-Dichloroethane	ND		2.3	0.20	ug/Kg	02/07/15	JLI	SW8260
1,2-Dichloropropane	ND		2.3	0.33	ug/Kg	02/07/15	JLI	SW8260
1,3-Dichlorobenzene	ND		2.3	0.34	ug/Kg	02/07/15	JLI	SW8260
1,4-Dichlorobenzene	ND		2.3	0.36	ug/Kg	02/07/15	JLI	SW8260
2-Hexanone	ND		12	1.0	ug/Kg	02/07/15	JLI	SW8260
4-Methyl-2-pentanone	ND		12	0.55	ug/Kg	02/07/15	JLI	SW8260
Acetone	3.0	JS	23	2.3	ug/Kg	02/07/15	JLI	SW8260
Acrolein	ND		12	1.8	ug/Kg	02/07/15	JLI	SW8260
Acrylonitrile	ND		4.6	1.3	ug/Kg	02/07/15	JLI	SW8260
Benzene	ND		2.3	0.46	ug/Kg	02/07/15	JLI	SW8260
Bromochloromethane	ND		2.3	0.34	ug/Kg	02/07/15	JLI	SW8260
Bromodichloromethane	ND		2.3	0.29	ug/Kg	02/07/15	JLI	SW8260
Bromoform	ND		2.3	0.32	ug/Kg	02/07/15	JLI	SW8260
Bromomethane	ND		2.3	1.8	ug/Kg	02/07/15	JLI	SW8260
Carbon Disulfide	ND		2.3	0.37	ug/Kg	02/07/15	JLI	SW8260
Carbon tetrachloride	ND		2.3	0.27	ug/Kg	02/07/15	JLI	SW8260
Chlorobenzene	ND		2.3	0.34	ug/Kg	02/07/15	JLI	SW8260
Chloroethane	ND		2.3	0.54	ug/Kg	02/07/15	JLI	SW8260
Chloroform	ND		2.3	0.42	ug/Kg	02/07/15	JLI	SW8260
Chloromethane	ND		2.3	1.2	ug/Kg	02/07/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		2.3	0.50	ug/Kg	02/07/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		2.3	0.25	ug/Kg	02/07/15	JLI	SW8260
Cyclohexane	ND		2.3	2.3	ug/Kg	02/07/15	JLI	SW8260
Dibromochloromethane	ND		2.3	0.26	ug/Kg	02/07/15	JLI	SW8260
Dichlorodifluoromethane	ND		2.3	0.61	ug/Kg	02/07/15	JLI	SW8260
Ethylbenzene	ND		2.3	0.42	ug/Kg	02/07/15	JLI	SW8260
Isopropylbenzene	ND		2.3	0.44	ug/Kg	02/07/15	JLI	SW8260
m&p-Xylene	ND		2.3	0.91	ug/Kg	02/07/15	JLI	SW8260
Methyl ethyl ketone	ND		14	2.0	ug/Kg	02/07/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		4.6	0.63	ug/Kg	02/07/15	JLI	SW8260
Methylacetate	ND		2.3	2.3	ug/Kg	02/07/15	JLI	SW8260
Methylcyclohexane	ND		2.3	2.3	ug/Kg	02/07/15	JLI	SW8260
Methylene chloride	0.45	JS	2.3	0.38	ug/Kg	02/07/15	JLI	SW8260
o-Xylene	ND		2.3	0.88	ug/Kg	02/07/15	JLI	SW8260
Styrene	ND		2.3	0.66	ug/Kg	02/07/15	JLI	SW8260
tert-butyl alcohol	ND		46	46	ug/Kg	02/07/15	JLI	SW8260
Tetrachloroethene	ND		2.3	0.48	ug/Kg	02/07/15	JLI	SW8260
Toluene	ND		2.3	0.36	ug/Kg	02/07/15	JLI	SW8260
Total Xylenes	ND		2.3	2.3	ug/Kg	02/07/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		2.3	0.46	ug/Kg	02/07/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		2.3	0.47	ug/Kg	02/07/15	JLI	SW8260
Trichloroethene	ND		2.3	0.49	ug/Kg	02/07/15	JLI	SW8260
Trichlorofluoromethane	ND		2.3	0.51	ug/Kg	02/07/15	JLI	SW8260
Trichlorotrifluoroethane	ND		2.3	0.36	ug/Kg	02/07/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 31 1-2

Phoenix I.D.: BH70956

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	2.3	0.75	ug/Kg	02/07/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	125			%	02/07/15	JLI	70 - 130 %	
% Bromofluorobenzene	79			%	02/07/15	JLI	70 - 130 %	
% Dibromofluoromethane	100			%	02/07/15	JLI	70 - 130 %	
% Toluene-d8	89			%	02/07/15	JLI	70 - 130 %	
Vinyl Acetate	ND	23	23	ug/Kg	02/07/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

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Phyllis Shiller, Laboratory Director
February 12, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 12, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/05/15	8:45
Location Code:	IMPACT	Received by:	SW	02/05/15	15:26
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH70938
Phoenix ID: BH70957

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 31 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.35	0.35	0.35	mg/Kg	02/06/15	LK	SW6010	
Aluminum	3610	52	7.0	mg/Kg	02/06/15	LK	SW6010	
Arsenic	2.2	0.7	0.70	mg/Kg	02/06/15	LK	SW6010	
Barium	32.7	0.35	0.35	mg/Kg	02/06/15	LK	SW6010	
Beryllium	< 0.28	0.28	0.14	mg/Kg	02/06/15	LK	SW6010	
Calcium	2180	5.2	3.2	mg/Kg	02/06/15	LK	SW6010	
Cadmium	< 0.35	0.35	0.14	mg/Kg	02/06/15	LK	SW6010	
Cobalt	3.48	0.35	0.35	mg/Kg	02/06/15	LK	SW6010	
Chromium	11.1	0.35	0.35	mg/Kg	02/06/15	LK	SW6010	
Copper	15.6	0.35	0.35	mg/kg	02/06/15	LK	SW6010	
Iron	7310	52	35	mg/Kg	02/06/15	LK	SW6010	B
Mercury	0.09	0.03	0.02	mg/Kg	02/06/15	RS	SW-7471	
Potassium	545	5.2	2.7	mg/Kg	02/06/15	LK	SW6010	
Magnesium	1550	5.2	3.5	mg/Kg	02/06/15	LK	SW6010	
Manganese	125	0.35	0.35	mg/Kg	02/06/15	LK	SW6010	
Sodium	251	5.2	3.0	mg/Kg	02/06/15	LK	SW6010	
Nickel	14.1	0.35	0.35	mg/Kg	02/06/15	LK	SW6010	B
Lead	54.4	0.35	0.35	mg/Kg	02/06/15	LK	SW6010	
Antimony	< 3.5	3.5	1.7	mg/Kg	02/06/15	LK	SW6010	
Selenium	< 1.4	1.4	1.2	mg/Kg	02/06/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/06/15	EK	SW6010	
TCLP Barium	0.47	0.10	0.010	mg/L	02/06/15	EK	SW6010	B
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/06/15	EK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/06/15	RS	SW7470	
TCLP Lead	0.16	0.10	0.010	mg/L	02/06/15	EK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/06/15	EK	SW6010	

Project ID: SW MARINE TRANSFER STATION
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Phoenix I.D.: BH70957

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.1	3.1	1.4	mg/Kg	02/06/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/06/15	I/I	SW3005	
Trivalent Chromium	11.1	0.50		mg/kg	02/10/15	CL	Calculation	
Vanadium	10.4	0.35	0.35	mg/Kg	02/06/15	LK	SW6010	
Zinc	51.4	0.35	0.35	mg/Kg	02/06/15	LK	SW6010	
Percent Solid	93			%	02/05/15	i	SW846	
Corrosivity	Negative			Pos/Neg	02/05/15	DH/KDB	SW846	1
Flash Point	>200	200		degree F	02/06/15	Y	SW1010	
Chromium, Hexavalent	< 0.43	0.43	0.43	mg/Kg	02/10/15 10:46	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/06/15	Y	SW846	1
pH - Soil	9.61	0.10		pH Units	02/05/15 22:00	DH/KDB	4500-H B/9045	1
Reactivity Cyanide	< 5.3	5.3	0.027	mg/Kg	02/06/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/06/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/06/15	EG	SW 846-7.3	1
Redox Potential	84	1.0		mV	02/05/15	DH/KDB	SM2580B	1
Total Cyanide	< 0.54	0.54	0.27	mg/Kg	02/05/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				02/05/15	JC/H	SW3545	
Soil Extraction for Pesticide	Completed				02/05/15	JC	SW3545	
Soil Extraction for SVOA	Completed				02/05/15	JJ/VH	SW3545	
Mercury Digestion	Completed				02/06/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/05/15	P/D	SW8151	
TCLP Digestion Mercury	Completed				02/06/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/06/15	F/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				02/05/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				02/05/15	I	1311	
TCLP Pesticides Extraction	Completed				02/06/15	TL	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/06/15	L	SW3510	
TCLP Extraction Volatiles	Completed				02/05/15	Y	EPA 1311	
Total Metals Digest	Completed				02/05/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				02/05/15	JC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	45	45	ug/Kg	02/10/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	45	45	ug/Kg	02/10/15	BB	SW8151	
2,4-D	ND	45	45	ug/Kg	02/10/15	BB	SW8151	
2,4-DB	ND	450	450	ug/Kg	02/10/15	BB	SW8151	
Dalapon	ND	45	45	ug/Kg	02/10/15	BB	SW8151	
Dicamba	ND	89	89	ug/Kg	02/10/15	BB	SW8151	
Dichloroprop	ND	45	45	ug/Kg	02/10/15	BB	SW8151	
Dinoseb	ND	89	89	ug/Kg	02/10/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	57			%	02/10/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	71	71	ug/Kg	02/06/15	AW	SW 8082	
PCB-1221	ND	71	71	ug/Kg	02/06/15	AW	SW 8082	
PCB-1232	ND	71	71	ug/Kg	02/06/15	AW	SW 8082	
PCB-1242	ND	71	71	ug/Kg	02/06/15	AW	SW 8082	
PCB-1248	ND	71	71	ug/Kg	02/06/15	AW	SW 8082	
PCB-1254	ND	71	71	ug/Kg	02/06/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
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Phoenix I.D.: BH70957

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	71	71	ug/Kg	02/06/15	AW	SW 8082
PCB-1262	ND	71	71	ug/Kg	02/06/15	AW	SW 8082
PCB-1268	ND	71	71	ug/Kg	02/06/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	82			%	02/06/15	AW	30 - 150 %
% TCMX	90			%	02/06/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.1	2.1	ug/Kg	02/06/15	CE	SW8081
4,4' -DDE	ND	2.1	2.1	ug/Kg	02/06/15	CE	SW8081
4,4' -DDT	ND	2.1	2.1	ug/Kg	02/06/15	CE	SW8081
a-BHC	ND	7.1	7.1	ug/Kg	02/06/15	CE	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	02/06/15	CE	SW8081
Aldrin	ND	3.6	3.6	ug/Kg	02/06/15	CE	SW8081
b-BHC	ND	7.1	7.1	ug/Kg	02/06/15	CE	SW8081
Chlordane	ND	36	36	ug/Kg	02/06/15	CE	SW8081
d-BHC	ND	7.1	7.1	ug/Kg	02/06/15	CE	SW8081
Dieldrin	ND	3.6	3.6	ug/Kg	02/06/15	CE	SW8081
Endosulfan I	ND	7.1	7.1	ug/Kg	02/06/15	CE	SW8081
Endosulfan II	ND	7.1	7.1	ug/Kg	02/06/15	CE	SW8081
Endosulfan sulfate	ND	7.1	7.1	ug/Kg	02/06/15	CE	SW8081
Endrin	ND	7.1	7.1	ug/Kg	02/06/15	CE	SW8081
Endrin aldehyde	ND	7.1	7.1	ug/Kg	02/06/15	CE	SW8081
Endrin ketone	ND	7.1	7.1	ug/Kg	02/06/15	CE	SW8081
g-BHC	ND	1.4	1.4	ug/Kg	02/06/15	CE	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	02/06/15	CE	SW8081
Heptachlor	ND	7.1	7.1	ug/Kg	02/06/15	CE	SW8081
Heptachlor epoxide	ND	7.1	7.1	ug/Kg	02/06/15	CE	SW8081
Methoxychlor	ND	36	36	ug/Kg	02/06/15	CE	SW8081
Toxaphene	ND	140	140	ug/Kg	02/06/15	CE	SW8081
QA/QC Surrogates							
% DCBP	95			%	02/06/15	CE	30 - 150 %
% TCMX	82			%	02/06/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/10/15	BB	SW8151
QA/QC Surrogates							
% DCAA	54			%	02/10/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/08/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/08/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/08/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/08/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/08/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/08/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/08/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/08/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/08/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/08/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/08/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/08/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/08/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/08/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/08/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	89			%	02/08/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	81			%	02/08/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	53	53	mg/Kg	02/06/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	73			%	02/06/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/06/15	MH	SW8260
Benzene	ND	25	25	ug/L	02/06/15	MH	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/06/15	MH	SW8260
Chlorobenzene	ND	25	25	ug/L	02/06/15	MH	SW8260
Chloroform	ND	25	25	ug/L	02/06/15	MH	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/06/15	MH	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
Trichloroethene	ND	25	25	ug/L	02/06/15	MH	SW8260
Vinyl chloride	ND	25	25	ug/L	02/06/15	MH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	103			%	02/06/15	MH	70 - 130 %
% Bromofluorobenzene	95			%	02/06/15	MH	70 - 130 %
% Dibromofluoromethane	92			%	02/06/15	MH	70 - 130 %
% Toluene-d8	99			%	02/06/15	MH	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	250	110	ug/Kg	02/06/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	02/06/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	360	360	ug/Kg	02/06/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	250	170	ug/Kg	02/06/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	02/06/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	02/06/15	DD	SW 8270
2,4-Dichlorophenol	ND	140	130	ug/Kg	02/06/15	DD	SW 8270
2,4-Dimethylphenol	ND	250	89	ug/Kg	02/06/15	DD	SW 8270
2,4-Dinitrophenol	ND	250	250	ug/Kg	02/06/15	DD	SW 8270
2,4-Dinitrotoluene	ND	140	140	ug/Kg	02/06/15	DD	SW 8270
2,6-Dinitrotoluene	ND	140	110	ug/Kg	02/06/15	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	02/06/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 31 COMP

Phoenix I.D.: BH70957

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		250	100	ug/Kg	02/06/15	DD	SW 8270	
2-Methylnaphthalene	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		250	170	ug/Kg	02/06/15	DD	SW 8270	
2-Nitroaniline	ND		1800	360	ug/Kg	02/06/15	DD	SW 8270	
2-Nitrophenol	ND		250	230	ug/Kg	02/06/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		250	140	ug/Kg	02/06/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		140	170	ug/Kg	02/06/15	DD	SW 8270	
3-Nitroaniline	ND		1800	780	ug/Kg	02/06/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		250	380	ug/Kg	02/06/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		250	130	ug/Kg	02/06/15	DD	SW 8270	
4-Chloroaniline	ND		710	170	ug/Kg	02/06/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	
4-Nitroaniline	ND		1800	120	ug/Kg	02/06/15	DD	SW 8270	
4-Nitrophenol	ND		1800	160	ug/Kg	02/06/15	DD	SW 8270	
Acenaphthene	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Acenaphthylene	ND		140	100	ug/Kg	02/06/15	DD	SW 8270	
Acetophenone	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Anthracene	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	
Atrazine	ND		140	160	ug/Kg	02/06/15	DD	SW 8270	
Benz(a)anthracene	200	J	250	120	ug/Kg	02/06/15	DD	SW 8270	
Benzaldehyde	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Benzidine	ND		540	540	ug/Kg	02/06/15	DD	SW 8270	
Benzo(a)pyrene	190		140	120	ug/Kg	02/06/15	DD	SW 8270	
Benzo(b)fluoranthene	300		250	120	ug/Kg	02/06/15	DD	SW 8270	
Benzo(ghi)perylene	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	
Benzo(k)fluoranthene	160	J	250	120	ug/Kg	02/06/15	DD	SW 8270	
Benzyl Alcohol	ND		360	360	ug/Kg	02/06/15	DD	SW 8270	
Benzyl butyl phthalate	ND		250	92	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		250	99	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		140	96	ug/Kg	02/06/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		250	99	ug/Kg	02/06/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		250	100	ug/Kg	02/06/15	DD	SW 8270	
Caprolactam	ND		250	640	ug/Kg	02/06/15	DD	SW 8270	
Carbazole	ND		1800	270	ug/Kg	02/06/15	DD	SW 8270	
Chrysene	190	J	250	120	ug/Kg	02/06/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		140	120	ug/Kg	02/06/15	DD	SW 8270	
Dibenzofuran	ND		250	100	ug/Kg	02/06/15	DD	SW 8270	
Diethyl phthalate	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Dimethylphthalate	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Di-n-butylphthalate	ND		250	95	ug/Kg	02/06/15	DD	SW 8270	
Di-n-octylphthalate	ND		250	92	ug/Kg	02/06/15	DD	SW 8270	
Fluoranthene	320		250	120	ug/Kg	02/06/15	DD	SW 8270	
Fluorene	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorobenzene	ND		140	100	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorobutadiene	ND		250	130	ug/Kg	02/06/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		250	110	ug/Kg	02/06/15	DD	SW 8270	
Hexachloroethane	ND		140	110	ug/Kg	02/06/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND		250	120	ug/Kg	02/06/15	DD	SW 8270	

Project ID: SW MARINE TRANSFER STATION
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Phoenix I.D.: BH70957

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND	140	100	ug/Kg	02/06/15	DD	SW 8270	
Naphthalene	ND	250	100	ug/Kg	02/06/15	DD	SW 8270	
Nitrobenzene	ND	140	130	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodimethylamine	ND	250	100	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	140	120	ug/Kg	02/06/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND	140	140	ug/Kg	02/06/15	DD	SW 8270	
Pentachlorophenol	ND	250	140	ug/Kg	02/06/15	DD	SW 8270	
Phenanthrene	280	140	100	ug/Kg	02/06/15	DD	SW 8270	
Phenol	ND	250	110	ug/Kg	02/06/15	DD	SW 8270	
Pyrene	270	250	120	ug/Kg	02/06/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	73			%	02/06/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	86			%	02/06/15	DD	30 - 130 %	
% 2-Fluorophenol	78			%	02/06/15	DD	30 - 130 %	
% Nitrobenzene-d5	69			%	02/06/15	DD	30 - 130 %	
% Phenol-d5	78			%	02/06/15	DD	30 - 130 %	
% Terphenyl-d14	85			%	02/06/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral								
1,4-Dichlorobenzene	ND	83	83	ug/L	02/09/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND	83	83	ug/L	02/09/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND	83	83	ug/L	02/09/15	DD	SW 8270	
2,4-Dinitrotoluene	ND	83	83	ug/L	02/09/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	83	83	ug/L	02/09/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND	83	83	ug/L	02/09/15	DD	SW 8270	
Hexachlorobenzene	ND	83	83	ug/L	02/09/15	DD	SW 8270	
Hexachlorobutadiene	ND	83	83	ug/L	02/09/15	DD	SW 8270	
Hexachloroethane	ND	83	83	ug/L	02/09/15	DD	SW 8270	
Nitrobenzene	ND	83	83	ug/L	02/09/15	DD	SW 8270	
Pentachlorophenol	ND	83	83	ug/L	02/09/15	DD	SW 8270	
Pyridine	ND	83	83	ug/L	02/09/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	102			%	02/09/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	86			%	02/09/15	DD	30 - 130 %	
% 2-Fluorophenol	70			%	02/09/15	DD	15 - 110 %	
% Nitrobenzene-d5	93			%	02/09/15	DD	30 - 130 %	
% Phenol-d5	58			%	02/09/15	DD	15 - 110 %	
% Terphenyl-d14	98			%	02/09/15	DD	30 - 130 %	
Aniline	ND	330		ug/Kg	02/06/15	DD	SW8270	
Benzoic Acid	ND	330		ug/Kg	02/06/15	DD	SW8270	1
Parathion	ND	360	140	ug/Kg	02/06/15	DD	SW8270	1

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 31 COMP

Phoenix I.D.: BH70957

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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 12, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

February 12, 2015

QA/QC Data

SDG I.D.: GBH70938

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 298769, QC Sample No: BH70718 (BH70939, BH70941, BH70943, BH70945, BH70947, BH70949, BH70951, BH70953, BH70955, BH70957)													
ICP Metals - TCLP Extraction													
Arsenic	BRL	<0.01	<0.01	NC	113	111	1.8	109	110	0.9	75 - 125	20	
Barium	0.02	0.61	0.62	1.60	102	100	2.0	96.5	108	11.2	75 - 125	20	
Cadmium	BRL	0.025	0.025	0	107	105	1.9	104	107	2.8	75 - 125	20	
Chromium	BRL	<0.010	<0.010	NC	106	104	1.9	104	107	2.8	75 - 125	20	
Lead	BRL	0.213	0.210	1.40	108	106	1.9	103	107	3.8	75 - 125	20	
Selenium	BRL	BRL	<0.01	NC	117	114	2.6	113	113	0.0	75 - 125	20	
Silver	BRL	<0.010	<0.010	NC	116	114	1.7	114	118	3.4	75 - 125	20	
QA/QC Batch 298767, QC Sample No: BH70721 (BH70939, BH70941, BH70943, BH70945, BH70947, BH70949, BH70951, BH70953, BH70955, BH70957)													
Mercury - Water	BRL	<0.0002	<0.0002	NC	99.9	96.4	3.6				70 - 130	20	
Comment:													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.													
QA/QC Batch 298765, QC Sample No: BH70937 (BH70939, BH70941, BH70943, BH70945, BH70947, BH70949, BH70951, BH70953, BH70955, BH70957)													
Mercury - Soil	BRL	0.14	0.15	NC	113	107	5.5	121	101	18.0	70 - 130	30	
Comment:													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.													
QA/QC Batch 298714, QC Sample No: BH70955 (BH70939, BH70941, BH70943, BH70945, BH70947, BH70949, BH70951, BH70953, BH70955, BH70957)													
ICP Metals - Soil													
Aluminum	BRL	3710	3380	9.30	100	102	2.0	NC	NC	NC	75 - 125	30	
Antimony	BRL	<3.4	<3.4	NC	98.5	97.9	0.6	91.1	93.2	2.3	75 - 125	30	
Arsenic	BRL	2.5	2.96	NC	106	105	0.9	95.2	95.3	0.1	75 - 125	30	
Barium	BRL	30.9	32.2	4.10	116	113	2.6	107	111	3.7	75 - 125	30	
Beryllium	BRL	<0.27	<0.27	NC	105	104	1.0	98.5	99.0	0.5	75 - 125	30	
Cadmium	BRL	<0.34	0.41	NC	97.3	94.8	2.6	95.9	98.6	2.8	75 - 125	30	
Calcium	BRL	12700	7840	47.3	102	100	2.0	NC	NC	NC	75 - 125	30	r
Chromium	BRL	9.19	10.0	8.40	110	108	1.8	103	102	1.0	75 - 125	30	
Cobalt	BRL	2.81	3.65	26.0	93.4	90.8	2.8	98.6	99.3	0.7	75 - 125	30	
Copper	BRL	13.3	14.9	11.3	98.4	96.2	2.3	107	106	0.9	75 - 125	30	
Iron	5.4	7110	9330	27.0	89.9	92.1	2.4	NC	NC	NC	75 - 125	30	
Lead	BRL	42.2	49.7	16.3	97.7	97.4	0.3	103	113	9.3	75 - 125	30	
Magnesium	BRL	1550	2090	29.7	103	102	1.0	NC	NC	NC	75 - 125	30	
Manganese	BRL	110	133	18.9	114	111	2.7	>130	115	NC	75 - 125	30	m
Nickel	0.43	11.7	13.3	12.8	108	104	3.8	99.6	100	0.4	75 - 125	30	
Potassium	BRL	704	715	1.60	105	106	0.9	>130	>130	NC	75 - 125	30	m
Selenium	BRL	<1.4	<1.4	NC	97.3	96.2	1.1	86.4	85.8	0.7	75 - 125	30	
Silver	BRL	<0.34	<0.34	NC	112	109	2.7	105	106	0.9	75 - 125	30	
Sodium	BRL	154	237	42.5	124	112	10.2	>130	>130	NC	75 - 125	30	m,r
Thallium	BRL	<3.1	<3.1	NC	109	105	3.7	96.8	97.6	0.8	75 - 125	30	

QA/QC Data

SDG I.D.: GBH70938

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Vanadium	BRL	12.1	14.7	19.4	115	114	0.9	102	101	1.0	75 - 125	30	
Zinc	BRL	52.3	62.3	17.5	96.8	95.3	1.6	>130	>130	NC	75 - 125	30	m

QA/QC Batch 298951, QC Sample No: BH70955 (BH70939, BH70941, BH70943, BH70945, BH70947, BH70949, BH70951, BH70953, BH70955, BH70957)

Hex Chromium - Solid

Hexavalent Cr	BRL	<0.42	<0.44	NC	98.7						70 - 130	30	
Insoluble Cr					89.4			96.8			70 - 130	30	
Soluble Cr					98.1			82.9			70 - 130	30	

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

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QA/QC Report

February 12, 2015

QA/QC Data

SDG I.D.: GBH70938

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 298729, QC Sample No: BH70545 (BH70939, BH70941)												
Total Cyanide	BRL	<0.56	<0.51	NC	89.7			94.0			85 - 115	30
QA/QC Batch 298750, QC Sample No: BH70632 (BH70939, BH70941, BH70943, BH70945, BH70947, BH70949, BH70951, BH70953, BH70955, BH70957)												
Flash Point		>200	>200	NC	101						85 - 115	30
QA/QC Batch 298749, QC Sample No: BH70933 (BH70939, BH70941, BH70943, BH70945, BH70947, BH70949, BH70951, BH70953, BH70955, BH70957)												
Reactivity Cyanide	BRL	<5.7	<5.5	NC	96.4						85 - 115	30
QA/QC Batch 298730, QC Sample No: BH70943 (BH70943, BH70945, BH70947, BH70949, BH70951, BH70953, BH70955, BH70957)												
Total Cyanide	BRL	<0.56	<0.51	NC	88.8			94.5			85 - 115	30
QA/QC Batch 298763, QC Sample No: BH70947 (BH70939, BH70941, BH70943, BH70945, BH70947, BH70949, BH70951, BH70953, BH70955, BH70957)												
pH - Soil		11.11	11.00	1.00	100						85 - 115	20

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QA/QC Report

February 12, 2015

QA/QC Data

SDG I.D.: GBH70938

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 298657, QC Sample No: BH69460 (BH70939, BH70941, BH70943, BH70945, BH70947, BH70949, BH70951, BH70953, BH70955, BH70957)										
Chlorinated Herbicides										
2,4,5-TP (Silvex)	ND	79	78	1.3				40 - 140	20	
2,4-D	ND	66	62	6.3				40 - 140	20	
% DCAA (Surrogate Rec)	70	54	40	29.8				30 - 150	20	r
Comment:										
The LCSD recovered low for surrogate, but passed for the spiked compounds										
QA/QC Batch 298713, QC Sample No: BH70545 (BH70939)										
Pesticides										
4,4' -DDD	ND	84	92	9.1				40 - 140	20	
4,4' -DDE	ND	81	90	10.5				40 - 140	20	
4,4' -DDT	ND	84	90	6.9				40 - 140	20	
a-BHC	ND	79	87	9.6				40 - 140	20	
a-Chlordane	ND	82	89	8.2				40 - 140	20	
Alachlor	ND	NA	NA	NC				40 - 140	20	
Aldrin	ND	75	83	10.1				40 - 140	20	
b-BHC	ND	83	91	9.2				40 - 140	20	
Chlordane	ND	82	90	9.3				40 - 140	20	
d-BHC	ND	70	79	12.1				40 - 140	20	
Dieldrin	ND	83	91	9.2				40 - 140	20	
Endosulfan I	ND	83	91	9.2				40 - 140	20	
Endosulfan II	ND	87	95	8.8				40 - 140	20	
Endosulfan sulfate	ND	80	88	9.5				40 - 140	20	
Endrin	ND	87	96	9.8				40 - 140	20	
Endrin aldehyde	ND	89	96	7.6				40 - 140	20	
g-BHC	ND	81	89	9.4				40 - 140	20	
g-Chlordane	ND	82	90	9.3				40 - 140	20	
Heptachlor	ND	79	88	10.8				40 - 140	20	
Heptachlor epoxide	ND	83	90	8.1				40 - 140	20	
Methoxychlor	ND	86	95	9.9				40 - 140	20	
Toxaphene	ND	NA	NA	NC				40 - 140	20	
% DCBP	97	85	92	7.9				40 - 150	20	
% TCMX	81	68	77	12.4				40 - 150	20	
QA/QC Batch 298711, QC Sample No: BH70555 (BH70939, BH70941, BH70943, BH70945, BH70947, BH70949, BH70951, BH70953, BH70955, BH70957)										
Semivolatiles										
1,4-Dichlorobenzene	ND	56	57	1.8				30 - 130	20	
2,4,5-Trichlorophenol	ND	99	98	1.0				30 - 130	20	
2,4,6-Trichlorophenol	ND	93	92	1.1				30 - 130	20	
2,4-Dinitrotoluene	ND	92	91	1.1				30 - 130	20	
2-Methylphenol (o-cresol)	ND	82	79	3.7				30 - 130	20	

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
3&4-Methylphenol (m&p-cresol)	ND	78	79	1.3				30 - 130	20	
Hexachlorobenzene	ND	88	89	1.1				30 - 130	20	
Hexachlorobutadiene	ND	63	63	0.0				30 - 130	20	
Hexachloroethane	ND	57	58	1.7				30 - 130	20	
Nitrobenzene	ND	80	80	0.0				30 - 130	20	
Pentachlorophenol	ND	95	103	8.1				30 - 130	20	
Pyridine	ND	32	32	0.0				30 - 130	20	
% 2,4,6-Tribromophenol	74	92	92	0.0				15 - 110	20	
% 2-Fluorobiphenyl	44	65	63	3.1				30 - 130	20	
% 2-Fluorophenol	37	48	48	0.0				15 - 110	20	
% Nitrobenzene-d5	55	73	73	0.0				30 - 130	20	
% Phenol-d5	36	44	44	0.0				15 - 110	20	
% Terphenyl-d14	62	78	81	3.8				30 - 130	20	

Comment:

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

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

QA/QC Batch 298588, QC Sample No: BH70632 (BH70939, BH70941, BH70943, BH70945, BH70947, BH70949, BH70951, BH70953, BH70955, BH70957)

Semivolatiles - Solid

1,1-Biphenyl	ND	87	83	4.7	87	83	4.7	30 - 130	30	
1,2,4,5-Tetrachlorobenzene	ND	77	75	2.6	79	76	3.9	30 - 130	30	
1,2-Diphenylhydrazine	ND	91	88	3.4	91	85	6.8	30 - 130	30	
2,3,4,6-tetrachlorophenol	ND	91	90	1.1	100	100	0.0	30 - 130	30	
2,4,5-Trichlorophenol	ND	97	94	3.1	100	99	1.0	30 - 130	30	
2,4,6-Trichlorophenol	ND	97	94	3.1	102	100	2.0	30 - 130	30	
2,4-Dichlorophenol	ND	85	84	1.2	89	86	3.4	30 - 130	30	
2,4-Dimethylphenol	ND	78	77	1.3	80	80	0.0	30 - 130	30	
2,4-Dinitrophenol	ND	61	24	87.1	56	49	13.3	30 - 130	30	l,r
2,4-Dinitrotoluene	ND	103	100	3.0	105	101	3.9	30 - 130	30	
2,6-Dinitrotoluene	ND	100	97	3.0	101	95	6.1	30 - 130	30	
2-Chloronaphthalene	ND	88	83	5.8	88	83	5.8	30 - 130	30	
2-Chlorophenol	ND	83	81	2.4	85	84	1.2	30 - 130	30	
2-Methylnaphthalene	ND	81	79	2.5	82	79	3.7	30 - 130	30	
2-Methylphenol (o-cresol)	ND	81	79	2.5	89	86	3.4	30 - 130	30	
2-Nitroaniline	ND	139	129	7.5	119	134	11.9	30 - 130	30	l,m
2-Nitrophenol	ND	82	78	5.0	86	87	1.2	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	86	84	2.4	89	86	3.4	30 - 130	30	
3,3'-Dichlorobenzidine	ND	108	91	17.1	81	83	2.4	30 - 130	30	
3-Nitroaniline	ND	64	109	52.0	98	89	9.6	30 - 130	30	r
4,6-Dinitro-2-methylphenol	ND	92	50	59.2	93	96	3.2	30 - 130	30	r
4-Bromophenyl phenyl ether	ND	83	83	0.0	88	76	14.6	30 - 130	30	
4-Chloro-3-methylphenol	ND	88	86	2.3	92	90	2.2	30 - 130	30	
4-Chloroaniline	ND	45	80	56.0	57	58	1.7	30 - 130	30	r
4-Chlorophenyl phenyl ether	ND	90	86	4.5	90	85	5.7	30 - 130	30	
4-Nitroaniline	ND	101	100	1.0	105	104	1.0	30 - 130	30	
4-Nitrophenol	ND	117	105	10.8	113	123	8.5	30 - 130	30	
Acenaphthene	ND	91	84	8.0	90	85	5.7	30 - 130	30	
Acenaphthylene	ND	86	82	4.8	86	81	6.0	30 - 130	30	
Acetophenone	ND	83	80	3.7	84	83	1.2	30 - 130	30	
Anthracene	ND	93	90	3.3	90	86	4.5	30 - 130	30	
Atrazine	ND	98	97	1.0	96	102	6.1	30 - 130	30	

QA/QC Data

SDG I.D.: GBH70938

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Benz(a)anthracene	ND	98	92	6.3	86	77	11.0	30 - 130	30	
Benzaldehyde	ND	60	60	0.0	138	196	34.7	30 - 130	30	m,r
Benzidine	ND	86	59	37.2	<10	16	NC	30 - 130	30	m,r
Benzo(a)pyrene	ND	92	88	4.4	85	75	12.5	30 - 130	30	
Benzo(b)fluoranthene	ND	93	88	5.5	83	73	12.8	30 - 130	30	
Benzo(ghi)perylene	ND	98	98	0.0	94	89	5.5	30 - 130	30	
Benzo(k)fluoranthene	ND	89	85	4.6	86	77	11.0	30 - 130	30	
Benzyl Alcohol	ND	79	77	2.6	81	78	3.8	30 - 130	30	
Benzyl butyl phthalate	ND	108	101	6.7	98	83	16.6	30 - 130	30	
Bis(2-chloroethoxy)methane	ND	83	80	3.7	82	81	1.2	30 - 130	30	
Bis(2-chloroethyl)ether	ND	84	67	22.5	72	70	2.8	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	73	72	1.4	74	72	2.7	30 - 130	30	
Bis(2-ethylhexyl)phthalate	ND	109	102	6.6	99	89	10.6	30 - 130	30	
Caprolactam	ND	87	85	2.3	93	95	2.1	30 - 130	30	
Carbazole	ND	125	110	12.8	111	113	1.8	30 - 130	30	
Chrysene	ND	100	96	4.1	89	81	9.4	30 - 130	30	
Dibenz(a,h)anthracene	ND	97	96	1.0	98	93	5.2	30 - 130	30	
Dibenzofuran	ND	91	88	3.4	92	88	4.4	30 - 130	30	
Diethyl phthalate	ND	94	91	3.2	93	92	1.1	30 - 130	30	
Dimethylphthalate	ND	91	89	2.2	91	84	8.0	30 - 130	30	
Di-n-butylphthalate	ND	115	103	11.0	96	97	1.0	30 - 130	30	
Di-n-octylphthalate	ND	102	97	5.0	99	89	10.6	30 - 130	30	
Fluoranthene	ND	126	112	11.8	83	75	10.1	30 - 130	30	
Fluorene	ND	90	86	4.5	90	87	3.4	30 - 130	30	
Hexachlorobenzene	ND	81	81	0.0	84	74	12.7	30 - 130	30	
Hexachlorobutadiene	ND	74	72	2.7	73	70	4.2	30 - 130	30	
Hexachlorocyclopentadiene	ND	67	66	1.5	60	51	16.2	30 - 130	30	
Hexachloroethane	ND	74	71	4.1	71	69	2.9	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	98	97	1.0	94	89	5.5	30 - 130	30	
Isophorone	ND	77	75	2.6	76	74	2.7	30 - 130	30	
Naphthalene	ND	78	74	5.3	75	75	0.0	30 - 130	30	
Nitrobenzene	ND	81	78	3.8	82	81	1.2	30 - 130	30	
N-Nitrosodimethylamine	ND	70	66	5.9	65	66	1.5	30 - 130	30	
N-Nitrosodi-n-propylamine	ND	82	78	5.0	81	80	1.2	30 - 130	30	
N-Nitrosodiphenylamine	ND	91	91	0.0	94	92	2.2	30 - 130	30	
Pentachlorophenol	ND	94	82	13.6	99	96	3.1	30 - 130	30	
Phenanthrene	ND	92	88	4.4	80	75	6.5	30 - 130	30	
Phenol	ND	82	80	2.5	84	81	3.6	30 - 130	30	
Pyrene	ND	124	112	10.2	85	77	9.9	30 - 130	30	
% 2,4,6-Tribromophenol	82	80	80	0.0	84	79	6.1	30 - 130	30	
% 2-Fluorobiphenyl	75	83	79	4.9	83	80	3.7	30 - 130	30	
% 2-Fluorophenol	63	76	73	4.0	75	74	1.3	30 - 130	30	
% Nitrobenzene-d5	68	78	75	3.9	78	77	1.3	30 - 130	30	
% Phenol-d5	70	80	77	3.8	81	78	3.8	30 - 130	30	
% Terphenyl-d14	112	129	117	9.8	113	108	4.5	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 298800, QC Sample No: BH70721 (BH70940 (63X))

Volatiles (TCL) - Solid

1,2,3-Trichlorobenzene	ND	100	96	4.1	95	100	5.1	70 - 130	30	
1,2,4-Trichlorobenzene	ND	99	95	4.1	91	98	7.4	70 - 130	30	

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,2-Dibromo-3-chloropropane	ND	110	101	8.5	89	98	9.6	70 - 130	30	
1,2-Dichlorobenzene	ND	99	99	0.0	96	99	3.1	70 - 130	30	
1,3-Dichlorobenzene	ND	96	97	1.0	94	97	3.1	70 - 130	30	
1,4-Dichlorobenzene	ND	98	97	1.0	95	99	4.1	70 - 130	30	
Isopropylbenzene	ND	100	100	0.0	100	101	1.0	70 - 130	30	
% 1,2-dichlorobenzene-d4	99	103	103	0.0	100	103	3.0	70 - 130	30	
% Bromofluorobenzene	93	100	97	3.0	100	98	2.0	70 - 130	30	

Comment:

The MS/MSD are not reported for this batch.

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

QA/QC Batch 298919, QC Sample No: BH70721 (BH70938, BH70940, BH70942, BH70944, BH70946, BH70948, BH70950, BH70952, BH70956)

Volatiles (TCL) - Solid

1,1,1,2-Tetrachloroethane	ND	100	101	1.0	97	96	1.0	70 - 130	30	
1,1,1-Trichloroethane	ND	103	104	1.0	100	104	3.9	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	106	103	2.9	95	99	4.1	70 - 130	30	
1,1,2-Trichloroethane	ND	99	97	2.0	98	98	0.0	70 - 130	30	
1,1-Dichloroethane	ND	100	100	0.0	101	102	1.0	70 - 130	30	
1,1-Dichloroethene	ND	106	108	1.9	99	100	1.0	70 - 130	30	
1,2,3-Trichlorobenzene	ND	100	96	4.1	95	100	5.1	70 - 130	30	
1,2,4-Trichlorobenzene	ND	99	95	4.1	91	98	7.4	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	110	101	8.5	89	98	9.6	70 - 130	30	
1,2-Dibromoethane	ND	101	102	1.0	97	103	6.0	70 - 130	30	
1,2-Dichlorobenzene	ND	99	99	0.0	96	99	3.1	70 - 130	30	
1,2-Dichloroethane	ND	99	99	0.0	96	99	3.1	70 - 130	30	
1,2-Dichloropropane	ND	99	99	0.0	97	101	4.0	70 - 130	30	
1,3-Dichlorobenzene	ND	96	97	1.0	94	97	3.1	70 - 130	30	
1,4-Dichlorobenzene	ND	98	97	1.0	95	99	4.1	70 - 130	30	
1,4-dioxane	ND	98	89	9.6	106	113	6.4	70 - 130	30	
2-Hexanone	ND	71	68	4.3	65	68	4.5	70 - 130	30	l,m
4-Methyl-2-pentanone	ND	91	90	1.1	87	91	4.5	70 - 130	30	
Acetone	ND	75	76	1.3	50	56	11.3	70 - 130	30	m
Acrolein	ND	109	102	6.6	64	68	6.1	70 - 130	30	m
Acrylonitrile	ND	107	101	5.8	100	101	1.0	70 - 130	30	
Benzene	ND	98	100	2.0	98	98	0.0	70 - 130	30	
Bromochloromethane	ND	102	100	2.0	97	101	4.0	70 - 130	30	
Bromodichloromethane	ND	106	105	0.9	98	100	2.0	70 - 130	30	
Bromoform	ND	109	109	0.0	95	98	3.1	70 - 130	30	
Bromomethane	ND	97	100	3.0	74	83	11.5	70 - 130	30	
Carbon Disulfide	ND	115	113	1.8	96	97	1.0	70 - 130	30	
Carbon tetrachloride	ND	100	102	2.0	96	98	2.1	70 - 130	30	
Chlorobenzene	ND	95	98	3.1	97	98	1.0	70 - 130	30	
Chloroethane	ND	102	101	1.0	42	39	7.4	70 - 130	30	m
Chloroform	ND	95	97	2.1	97	97	0.0	70 - 130	30	
Chloromethane	ND	96	95	1.0	97	95	2.1	70 - 130	30	
cis-1,2-Dichloroethene	ND	105	99	5.9	105	105	0.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	106	108	1.9	99	102	3.0	70 - 130	30	
Cyclohexane	ND	89	89	0.0	100	100	0.0	70 - 130	30	
Dibromochloromethane	ND	107	108	0.9	98	99	1.0	70 - 130	30	
Dichlorodifluoromethane	ND	91	89	2.2	91	91	0.0	70 - 130	30	
Ethylbenzene	ND	97	98	1.0	97	96	1.0	70 - 130	30	
Isopropylbenzene	ND	100	100	0.0	100	101	1.0	70 - 130	30	

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
m&p-Xylene	ND	94	96	2.1	96	95	1.0	70 - 130	30	
Methyl ethyl ketone	ND	73	69	5.6	69	78	12.2	70 - 130	30	l,m
Methyl t-butyl ether (MTBE)	ND	100	99	1.0	91	96	5.3	70 - 130	30	
Methylacetate	ND	104	101	2.9	102	107	4.8	70 - 130	30	
Methylcyclohexane	ND	97	97	0.0	99	102	3.0	70 - 130	30	
Methylene chloride	ND	93	93	0.0	88	89	1.1	70 - 130	30	
o-Xylene	ND	99	99	0.0	97	97	0.0	70 - 130	30	
Styrene	ND	97	98	1.0	98	99	1.0	70 - 130	30	
tert-butyl alcohol	ND	92	85	7.9	88	87	1.1	70 - 130	30	
Tetrachloroethene	ND	97	97	0.0	98	96	2.1	70 - 130	30	
Toluene	ND	99	100	1.0	100	100	0.0	70 - 130	30	
trans-1,2-Dichloroethene	ND	104	104	0.0	98	100	2.0	70 - 130	30	
trans-1,3-Dichloropropene	ND	109	107	1.9	98	102	4.0	70 - 130	30	
Trichloroethene	ND	100	99	1.0	99	101	2.0	70 - 130	30	
Trichlorofluoromethane	ND	102	101	1.0	82	82	0.0	70 - 130	30	
Trichlorotrifluoroethane	ND	101	103	2.0	98	98	0.0	70 - 130	30	
Vinyl chloride	ND	95	95	0.0	102	101	1.0	70 - 130	30	
% 1,2-dichlorobenzene-d4	99	103	103	0.0	100	103	3.0	70 - 130	30	
% Bromofluorobenzene	93	100	97	3.0	100	98	2.0	70 - 130	30	
% Dibromofluoromethane	99	99	97	2.0	103	102	1.0	70 - 130	30	
% Toluene-d8	89	100	103	3.0	102	102	0.0	70 - 130	30	

Comment:

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

QA/QC Batch 298796, QC Sample No: BH70721 (BH70940 (63X))

Volatiles - Solid

1,2,4-Trimethylbenzene	ND	93	93	0.0	96	97	1.0	70 - 130	30
1,3,5-Trimethylbenzene	ND	98	98	0.0	98	99	1.0	70 - 130	30
1,3-Dichlorobenzene	ND	95	96	1.0	94	97	3.1	70 - 130	30
Naphthalene	ND	103	99	4.0	90	97	7.5	70 - 130	30
n-Butylbenzene	ND	97	96	1.0	97	99	2.0	70 - 130	30
n-Propylbenzene	ND	95	96	1.0	100	102	2.0	70 - 130	30
p-Isopropyltoluene	ND	96	97	1.0	95	98	3.1	70 - 130	30
sec-Butylbenzene	ND	101	101	0.0	98	100	2.0	70 - 130	30
tert-Butylbenzene	ND	99	100	1.0	100	100	0.0	70 - 130	30
% 1,2-dichlorobenzene-d4	97	102	103	1.0	100	103	3.0	70 - 130	30

Comment:

The MS/MSD are not reported for this batch.

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

QA/QC Batch 298914, QC Sample No: BH70721 (BH70938, BH70940, BH70942, BH70944, BH70946, BH70948, BH70950, BH70952, BH70954, BH70956)

Volatiles - Solid

1,2,4-Trimethylbenzene	ND	93	93	0.0	96	97	1.0	70 - 130	30
1,3,5-Trimethylbenzene	ND	98	98	0.0	98	99	1.0	70 - 130	30
1,3-Dichlorobenzene	ND	95	96	1.0	94	97	3.1	70 - 130	30
Naphthalene	ND	103	99	4.0	90	97	7.5	70 - 130	30
n-Butylbenzene	ND	97	96	1.0	97	99	2.0	70 - 130	30
n-Propylbenzene	ND	95	96	1.0	100	102	2.0	70 - 130	30
p-Isopropyltoluene	ND	96	97	1.0	95	98	3.1	70 - 130	30
sec-Butylbenzene	ND	101	101	0.0	98	100	2.0	70 - 130	30
tert-Butylbenzene	ND	99	100	1.0	100	100	0.0	70 - 130	30
% 1,2-dichlorobenzene-d4	97	102	103	1.0	100	103	3.0	70 - 130	30

QA/QC Data

SDG I.D.: GBH70938

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
% Bromofluorobenzene	96	99	98	1.0	99	98	1.0	70 - 130	30
% Dibromofluoromethane	98	99	97	2.0	102	102	0.0	70 - 130	30
% Toluene-d8	90	101	103	2.0	102	103	1.0	70 - 130	30

Comment:

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

QA/QC Batch 298837, QC Sample No: BH70941 (BH70941, BH70943, BH70945, BH70947, BH70949, BH70951, BH70953, BH70955, BH70957)

Pesticides

4,4' -DDD	ND	78	82	5.0				40 - 140	20
4,4' -DDE	ND	84	92	9.1				40 - 140	20
4,4' -DDT	ND	86	89	3.4				40 - 140	20
a-BHC	ND	88	93	5.5				40 - 140	20
a-Chlordane	ND	85	85	0.0				40 - 140	20
Alachlor	ND	NA	NA	NC				40 - 140	20
Aldrin	ND	89	94	5.5				40 - 140	20
b-BHC	ND	88	92	4.4				40 - 140	20
Chlordane	ND	84	87	3.5				40 - 140	20
d-BHC	ND	73	77	5.3				40 - 140	20
Dieldrin	ND	91	95	4.3				40 - 140	20
Endosulfan I	ND	85	84	1.2				40 - 140	20
Endosulfan II	ND	104	93	11.2				40 - 140	20
Endosulfan sulfate	ND	77	86	11.0				40 - 140	20
Endrin	ND	82	85	3.6				40 - 140	20
Endrin aldehyde	ND	81	92	12.7				40 - 140	20
g-BHC	ND	107	115	7.2				40 - 140	20
g-Chlordane	ND	84	87	3.5				40 - 140	20
Heptachlor	ND	82	85	3.6				40 - 140	20
Heptachlor epoxide	ND	84	87	3.5				40 - 140	20
Methoxychlor	ND	82	87	5.9				40 - 140	20
Toxaphene	ND	NA	NA	NC				40 - 140	20
% DCBP	63	61	73	17.9				40 - 150	20
% TCMX	71	64	60	6.5				40 - 150	20

Comment:

A LCS and LCS duplicate were performed instead of a MS and MSD. Alpha and gamma chlordane were spiked and analyzed instead of technical chlordane. Gamma chlordane recovery is reported as chlordane in the LCS and LCSD

QA/QC Batch 298717, QC Sample No: BH70955 (BH70939, BH70941, BH70943, BH70945, BH70947, BH70949, BH70951, BH70953, BH70955, BH70957)

Chlorinated Herbicides - Solid

2,4,5-T	ND	72	74	2.7	59	54	8.8	40 - 140	30
2,4,5-TP (Silvex)	ND	73	77	5.3	68	62	9.2	40 - 140	30
2,4-D	ND	65	58	11.4	54	49	9.7	40 - 140	30
2,4-DB	ND	71	74	4.1	69	65	6.0	40 - 140	30
Dalapon	ND	42	46	9.1	43	42	2.4	40 - 140	30
Dicamba	ND	79	83	4.9	70	59	17.1	40 - 140	30
Dichloroprop	ND	69	76	9.7	70	61	13.7	40 - 140	30
Dinoseb	ND	75	83	10.1	77	73	5.3	40 - 140	30
% DCAA (Surrogate Rec)	55	62	64	3.2	58	53	9.0	30 - 150	30

QA/QC Batch 298680, QC Sample No: BH70957 (BH70939, BH70941, BH70943, BH70945, BH70947, BH70949, BH70951, BH70953, BH70955, BH70957)

Pesticides - Solid

4,4' -DDD	ND	102	114	11.1	110	96	13.6	40 - 140	30
4,4' -DDE	ND	95	105	10.0	99	92	7.3	40 - 140	30

QA/QC Data

SDG I.D.: GBH70938

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
4,4' -DDT	ND	111	124	11.1	119	92	25.6	40 - 140	30
a-BHC	ND	92	94	2.2	94	85	10.1	40 - 140	30
a-Chlordane	ND	92	100	8.3	96	93	3.2	40 - 140	30
Aldrin	ND	92	97	5.3	94	85	10.1	40 - 140	30
b-BHC	ND	90	96	6.5	94	92	2.2	40 - 140	30
Chlordane	ND	94	102	8.2	97	93	4.2	40 - 140	30
d-BHC	ND	76	84	10.0	80	76	5.1	40 - 140	30
Dieldrin	ND	92	101	9.3	97	93	4.2	40 - 140	30
Endosulfan I	ND	98	106	7.8	105	91	14.3	40 - 140	30
Endosulfan II	ND	88	95	7.7	102	95	7.1	40 - 140	30
Endosulfan sulfate	ND	69	79	13.5	76	63	18.7	40 - 140	30
Endrin	ND	97	107	9.8	101	94	7.2	40 - 140	30
Endrin aldehyde	ND	81	87	7.1	94	82	13.6	40 - 140	30
Endrin ketone	ND	86	98	13.0	92	79	15.2	40 - 140	30
g-BHC	ND	91	94	3.2	95	86	9.9	40 - 140	30
g-Chlordane	ND	94	102	8.2	97	93	4.2	40 - 140	30
Heptachlor	ND	93	97	4.2	95	90	5.4	40 - 140	30
Heptachlor epoxide	ND	94	101	7.2	97	92	5.3	40 - 140	30
Methoxychlor	ND	109	121	10.4	133	100	28.3	40 - 140	30
Toxaphene	ND	NA	NA	NC	NA	NA	NC	40 - 140	30
% DCBP	93	95	100	5.1	98	83	16.6	30 - 150	30
% TCMX	85	86	85	1.2	85	84	1.2	30 - 150	30

QA/QC Batch 298703, QC Sample No: BH70957 (BH70939, BH70941, BH70943, BH70945, BH70947, BH70949, BH70951, BH70953, BH70955, BH70957)

Polychlorinated Biphenyls - Solid

PCB-1016	ND	82	88	7.1	96	97	1.0	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	82	85	3.6	93	96	3.2	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	102	98	106	7.8	111	114	2.7	30 - 150	30
% TCMX (Surrogate Rec)	92	91	98	7.4	103	105	1.9	30 - 150	30

QA/QC Batch 298707, QC Sample No: BH70957 (BH70939, BH70941, BH70943, BH70945, BH70947, BH70949, BH70951, BH70953, BH70955, BH70957)

TPH by GC (Extractable Products) - Solid

Ext. Petroleum HC	ND	75	77	2.6	73	69	5.6	60 - 120	30
% n-Pentacosane	74	90	94	4.3	91	89	2.2	50 - 150	30

QA/QC Batch 298910, QC Sample No: BH71108 (BH70939 (5X) , BH70941 (5X) , BH70943 (5X) , BH70945 (5X) , BH70947 (5X) , BH70949 (5X) , BH70951 (5X) , BH70953 (5X) , BH70955 (5X) , BH70957 (5X))

Volatiles - TCLP

1,1-Dichloroethene	ND	92	93	1.1				70 - 130	30
1,2-Dichloroethane	ND	83	85	2.4				70 - 130	30
Benzene	ND	97	101	4.0				70 - 130	30
Carbon tetrachloride	ND	85	86	1.2				70 - 130	30
Chlorobenzene	ND	97	99	2.0				70 - 130	30
Chloroform	ND	86	91	5.6				70 - 130	30
Methyl ethyl ketone	ND	76	85	11.2				70 - 130	30
Tetrachloroethene	ND	95	98	3.1				70 - 130	30

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Trichloroethene	ND	96	97	1.0				70 - 130	30	
Vinyl chloride	ND	85	86	1.2				70 - 130	30	
% 1,2-dichlorobenzene-d4	102	99	99	0.0				70 - 130	30	
% Bromofluorobenzene	89	94	93	1.1				70 - 130	30	
% Dibromofluoromethane	90	98	98	0.0				70 - 130	30	
% Toluene-d8	96	96	97	1.0				70 - 130	30	

Comment:

A blank MS/MSD was analyzed with this batch.

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

QA/QC Batch 299031, QC Sample No: BH71603 (BH70954)

Volatiles (TCL) - Solid

1,1,1,2-Tetrachloroethane	ND	103	104	1.0	103	103	0.0	70 - 130	30	
1,1,1-Trichloroethane	ND	106	107	0.9	113	113	0.0	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	100	109	8.6	100	102	2.0	70 - 130	30	
1,1,2-Trichloroethane	ND	94	100	6.2	104	102	1.9	70 - 130	30	
1,1-Dichloroethane	ND	101	105	3.9	108	107	0.9	70 - 130	30	
1,1-Dichloroethene	ND	112	117	4.4	113	113	0.0	70 - 130	30	
1,2,3-Trichlorobenzene	ND	97	105	7.9	97	95	2.1	70 - 130	30	
1,2,4-Trichlorobenzene	ND	98	105	6.9	96	94	2.1	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	101	107	5.8	106	109	2.8	70 - 130	30	
1,2-Dibromoethane	ND	98	103	5.0	103	103	0.0	70 - 130	30	
1,2-Dichlorobenzene	ND	100	105	4.9	101	99	2.0	70 - 130	30	
1,2-Dichloroethane	ND	98	101	3.0	100	100	0.0	70 - 130	30	
1,2-Dichloropropane	ND	99	103	4.0	103	102	1.0	70 - 130	30	
1,3-Dichlorobenzene	ND	97	104	7.0	100	99	1.0	70 - 130	30	
1,4-Dichlorobenzene	ND	98	103	5.0	101	99	2.0	70 - 130	30	
1,4-dioxane	ND	110	82	29.2	92	87	5.6	70 - 130	30	
2-Hexanone	ND	64	72	11.8	89	89	0.0	70 - 130	30	l
4-Methyl-2-pentanone	ND	86	92	6.7	99	99	0.0	70 - 130	30	
Acetone	ND	68	78	13.7	73	83	12.8	70 - 130	30	l
Acrolein	ND	111	120	7.8	44	40	9.5	70 - 130	30	m
Acrylonitrile	ND	100	109	8.6	115	113	1.8	70 - 130	30	
Benzene	ND	98	104	5.9	102	102	0.0	70 - 130	30	
Bromochloromethane	ND	102	102	0.0	101	101	0.0	70 - 130	30	
Bromodichloromethane	ND	105	109	3.7	103	102	1.0	70 - 130	30	
Bromoform	ND	109	112	2.7	106	106	0.0	70 - 130	30	
Bromomethane	ND	106	107	0.9	108	114	5.4	70 - 130	30	
Carbon Disulfide	ND	120	125	4.1	110	109	0.9	70 - 130	30	
Carbon tetrachloride	ND	101	110	8.5	108	108	0.0	70 - 130	30	
Chlorobenzene	ND	100	103	3.0	101	102	1.0	70 - 130	30	
Chloroethane	ND	110	113	2.7	108	108	0.0	70 - 130	30	
Chloroform	ND	99	100	1.0	102	102	0.0	70 - 130	30	
Chloromethane	ND	95	97	2.1	93	95	2.1	70 - 130	30	
cis-1,2-Dichloroethene	ND	107	110	2.8	104	108	3.8	70 - 130	30	
cis-1,3-Dichloropropene	ND	106	112	5.5	104	103	1.0	70 - 130	30	
Cyclohexane	ND	88	94	6.6	109	108	0.9	70 - 130	30	
Dibromochloromethane	ND	108	111	2.7	105	106	0.9	70 - 130	30	
Dichlorodifluoromethane	ND	85	91	6.8	84	83	1.2	70 - 130	30	
Ethylbenzene	ND	100	104	3.9	103	103	0.0	70 - 130	30	
Isopropylbenzene	ND	98	107	8.8	108	108	0.0	70 - 130	30	
m&p-Xylene	ND	97	102	5.0	102	101	1.0	70 - 130	30	
Methyl ethyl ketone	ND	66	72	8.7	103	102	1.0	70 - 130	30	l

QA/QC Data

SDG I.D.: GBH70938

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Methyl t-butyl ether (MTBE)	ND	98	103	5.0	94	94	0.0	70 - 130	30
Methylacetate	ND	103	110	6.6	108	106	1.9	70 - 130	30
Methylcyclohexane	ND	90	101	11.5	107	107	0.0	70 - 130	30
Methylene chloride	ND	98	99	1.0	93	90	3.3	70 - 130	30
o-Xylene	ND	99	103	4.0	103	103	0.0	70 - 130	30
Styrene	ND	100	104	3.9	102	102	0.0	70 - 130	30
tert-butyl alcohol	ND	94	76	21.2	76	78	2.6	70 - 130	30
Tetrachloroethene	ND	99	107	7.8	107	105	1.9	70 - 130	30
Toluene	ND	100	105	4.9	105	106	0.9	70 - 130	30
trans-1,2-Dichloroethene	ND	111	116	4.4	110	108	1.8	70 - 130	30
trans-1,3-Dichloropropene	ND	107	112	4.6	102	102	0.0	70 - 130	30
Trichloroethene	ND	100	108	7.7	108	109	0.9	70 - 130	30
Trichlorofluoromethane	ND	106	110	3.7	112	111	0.9	70 - 130	30
Trichlorotrifluoroethane	ND	99	109	9.6	109	110	0.9	70 - 130	30
Vinyl chloride	ND	100	103	3.0	105	103	1.9	70 - 130	30
% 1,2-dichlorobenzene-d4	98	100	103	3.0	103	104	1.0	70 - 130	30
% Bromofluorobenzene	92	100	99	1.0	98	101	3.0	70 - 130	30
% Dibromofluoromethane	99	101	101	0.0	105	100	4.9	70 - 130	30
% Toluene-d8	89	98	102	4.0	102	101	1.0	70 - 130	30

Comment:

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

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

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

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

Phyllis Shiller, Laboratory Director
February 12, 2015

Sample Criteria Exceedences Report

GBH70938 - IMPACT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH70941	$DPSVNJ_TCL	Benzo(a)pyrene	NJ / Soil Remediation Standard / Res. Direct Contact	280	150	200	200	ug/Kg
BH70945	$DPSVNJ_TCL	Benzo(a)pyrene	NJ / Soil Remediation Standard / Res. Direct Contact	220	140	200	200	ug/Kg
BH70945	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	96.3	0.37	50	50	mg/kg
BH70945	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	72.4	0.37	30	30	mg/Kg
BH70945	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	189	3.7	63	63	mg/Kg
BH70945	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	307	3.7	109	109	mg/Kg
BH70947	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	35.2	0.34	30		mg/Kg
BH70947	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	54.9	0.34	50	50	mg/kg
BH70947	TRI-CRSM	Trivalent Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	35.2	0.50	30	30	mg/kg
BH70949	$DPSVNJ_TCL	Benzo(a)pyrene	NJ / Soil Remediation Standard / Res. Direct Contact	950	150	200	200	ug/Kg
BH70949	$DPSVNJ_TCL	Benzo(b)fluoranthene	NJ / Soil Remediation Standard / Res. Direct Contact	1600	260	600	200	ug/Kg
BH70949	$DPSVNJ_TCL	Benz(a)anthracene	NJ / Soil Remediation Standard / Res. Direct Contact	1200	260	600	200	ug/Kg
BH70949	$DPSVNJ_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1600	260	1000	1000	ug/Kg
BH70949	$DPSVNJ_TCL	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1100	260	1000	1000	ug/Kg
BH70949	$DPSVNJ_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1200	260	1000	1000	ug/Kg
BH70949	$PCB_SMR	PCB-1016	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	850	76	100	100	ug/Kg
BH70949	CD-SM	Cadmium	NY / 375-6.8 Metals / Unrestricted Use Soil	5.41	0.39	2.5	2.5	mg/Kg
BH70949	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.21	0.03	0.18	0.18	mg/Kg
BH70949	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	238	3.9	63	63	mg/Kg
BH70949	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	495	3.9	109	109	mg/Kg
BH70951	$DPSVNJ_TCL	Benzo(b)fluoranthene	NJ / Soil Remediation Standard / Res. Direct Contact	4200	260	600	200	ug/Kg
BH70951	$DPSVNJ_TCL	Benzo(a)pyrene	NJ / Soil Remediation Standard / Res. Direct Contact	2500	150	200	200	ug/Kg
BH70951	$DPSVNJ_TCL	Benz(a)anthracene	NJ / Soil Remediation Standard / Res. Direct Contact	3100	260	600	200	ug/Kg
BH70951	$DPSVNJ_TCL	Indeno(1,2,3-cd)pyrene	NJ / Soil Remediation Standard / Res. Direct Contact	620	260	600	200	ug/Kg
BH70951	$DPSVNJ_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4200	260	1000	1000	ug/Kg
BH70951	$DPSVNJ_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	3100	260	1000	1000	ug/Kg
BH70951	$DPSVNJ_TCL	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1300	260	800	800	ug/Kg
BH70951	$DPSVNJ_TCL	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2800	260	1000	1000	ug/Kg
BH70951	$DPSVNJ_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	620	260	500	500	ug/Kg
BH70951	$DPSVNJ_TCL	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2500	150	1000	1000	ug/Kg
BH70951	$PCB_SMR	PCB-1016	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	870	75	100	100	ug/Kg
BH70951	CD-SM	Cadmium	NY / 375-6.8 Metals / Unrestricted Use Soil	20.6	0.39	2.5	2.5	mg/Kg
BH70951	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	58.9	0.39	30		mg/Kg
BH70951	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	59.9	0.39	50	50	mg/kg
BH70951	HEXCRSM	Chromium, Hexavalent	NY / 375-6.8 Metals / Unrestricted Use Soil	1.14	0.46	1	1	mg/Kg
BH70951	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.40	0.03	0.18	0.18	mg/Kg
BH70951	PB-SM	Lead	NJ / Soil Remediation Standard / Res. Direct Contact	712	3.9	400	1	mg/Kg
BH70951	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	712	3.9	63	63	mg/Kg
BH70951	TRI-CRSM	Trivalent Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	57.8	0.50	30	30	mg/kg

Sample Criteria Exceedences Report

GBH70938 - IMPACT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH70951	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	840	3.9	109	109	mg/Kg
BH70953	$DPSVNJ_TCL	Benzo(a)pyrene	NJ / Soil Remediation Standard / Res. Direct Contact	280	150	200	200	ug/Kg
BH70953	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.25	0.03	0.18	0.18	mg/Kg
BH70953	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	93.6	0.35	63	63	mg/Kg
BH70955	$DPSVNJ_TCL	Benz(a)anthracene	NJ / Soil Remediation Standard / Res. Direct Contact	880	250	600	200	ug/Kg
BH70955	$DPSVNJ_TCL	Benzo(a)pyrene	NJ / Soil Remediation Standard / Res. Direct Contact	800	140	200	200	ug/Kg
BH70955	$DPSVNJ_TCL	Benzo(b)fluoranthene	NJ / Soil Remediation Standard / Res. Direct Contact	1300	250	600	200	ug/Kg
BH70955	$DPSVNJ_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1300	250	1000	1000	ug/Kg

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

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

NY Temperature Narration

February 12, 2015

SDG I.D.: GBH70938

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

CHAIN OF CUSTODY

IMPACT ENVIRONMENTAL
170 Keyland Court, Bohemia, New York 11716
(Tel.) 631-269-8800 (Fax) 631-269-1599

Page ____ of ____

LAB NAME: Phoenix 4 WK TP

RECEIVED DATE:

Client Information

Company Name: Impact Environmental
Address: 170 Keyland Court
City: Bohemia
Project Contact: Xin Yuan
Phone #: 631-269-8800 Fax #: 631-269-1599
E-mail: xyuan@impactenvironmental.com

Project Information

Project Name: SW Marine Transfer Station
Street: 1824 Shore Parkway
City: Brooklyn State: NY Zip:
Project #: 7336
Sampler's Name: Xin Yuan
Sampler's Signature:

LAB SAMPLE # (LAB USE ONLY)	Sample ID	IEC Project Code	Matrix Code	Sample Type	Sample Date	Time	Total # of bottles	MeOH or OTHER*	TCE	HCL	Methanol (USEPA 5035)	Sodium Bisulfate (EPA 5035)	Impact Analytical Package A*	Impact Analytical Package B**	Impact Analytical Package C***	VOC 8260 (Analyte List for NY Part 375 and NJ NRDCC)	GP82 Analysis	VOCs 8260 (CP51 Analite List)						(LAB USE ONLY)
1	WC 22 1-2		S	G	2/5	9:15	3											X						70938
2	WC 22 Comp			C		9:15									X									70939
3	WC 26 2-3					9:35												X						70940
4	WC 26 Comp					9:35									X									70941
5	WC 34 2-3					10:00												X						70942
6	WC 34 Comp					10:00									X									70943
7	WC 6 1-2					10:30												X						70944
8	WC 6 Comp					10:30									X									70945
9	WC 7 1-2					11:00												X						70946
10	WC 7 Comp					11:00									X									70947

Matrix Codes: L - Liquid; S - Soil; A - Air; OL - Oil; W - Wipe; PC - Paint Chips; SL - Sludge; SD - Solid; DW- Drinking Water; DISS - Dissolved

Sample Type: G=Grab; C=Composite; B=Blank

Turnaround Time (Business Days)

Standard Service
- [ ] Standard - 5 day
- [ ] Standard - 4 day
- [x] Standard - 3 day

Rush Service
- [ ] 48 Hour *RUSH*
- [ ] 24 Hour *RUSH*

(LAB USE ONLY) TAT Approved By / Date:

Data Deliverable Information

- [ ] Results Only (Level-1)
- [ ] Results plus Misc. QC (Level-2)
- [ ] Results plus ALL QC (Level-3)
- [ ] PA QC Package
- [ ] NJ QC Package (Level3NJ)
- [ ] CLP Category A (Level-2)
- [ ] CLP Category B (Level-4)
- [ ] ASP QC Package (Level-4)
- [ ] Other ____
- [x] EDD Format: pdf + excel

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)

REFERENCES

*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSRS & NY Part 375 parameters and dectection limits. **Package B (proprietary)-Same as Package A, plus TCLP Metals & TPH. ***Package C (proprietary)-Same as Package B plus RCRA characteristics and Full TCLP

NOTES/COMMENTS:

* Full List per Michael L. (SW)

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

Relinquished by Sampler:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	12/5 2:00	1	2	2/5/18 15:40	2
Relinquished by: 3	Date / Time: 3	Received By: 3	Relinquished By: 4	Date / Time: 4	Received By: 4
Relinquished by: 5	Date / Time: 5	Received By: 5			

COOLER INFORMATION

Cooler Temp: ____ pH: ____ [ ] On Ice [ ] Sample Receipt Discrepancy(attach information)

Form SS-2/Nov. 2013

CHAIN OF CUSTODY

IMPACT ENVIRONMENTAL
170 Keyland Court, Bohemia, New York 11716
(Tel.) 631-269-8800 (Fax) 631-269-1599

Page ____ of ____

LAB NAME: Phoenix

RECEIVED DATE:

Client Information

Company Name: Impact Environmental
Address: 170 Keyland Court
City: Bohemia
Project Contact: Xin Yuan
Phone #: 631-269-8800 **Fax #:** 631-269-1599
E-mail: xyuan@impactenvironmental.com

Project Information

Project Name: SW Marine Transfer Station
Street: 1874 Shore Parkway
City: Brooklyn **State:** NY **Zip:**
Project #: 7336
Sampler's Name: Xin Yuan
Sampler's Signature:

Sample Information / Sample Collection / Sample Containers / Analytical Information

LAB SAMPLE # (LAB USE ONLY)	Sample ID	IEC Project Code	Matrix Code	Sample Type	Sample Date	Time	Total # of bottles	NONE or OTHER*	ICE	HCL	Methanol (USEPA 5035)	Sodium Bisulfate (EPA 5035)	Impact Analytical Package A*	Impact Analytical Package B**	Impact Analytical Package C***	VOC 8260 (Analyte List for NY Part 375 and NJ NRDCC)	GP82 Analysis	VOCs 8260 (CP51 Analite List)					(LAB USE ONLY)
1	WC25 1-2		S	G	2/5	7:20	3											X			70948	70438	mgp
2	WC25 Comp			C		7:20									X						70949	70439	mgp
3	WC39 2-3					7:40												X			70950	~~70440~~	mgp
4	WC39 Comp					7:40									X						70951	70441	mgp
5	WC23 1-2					8:00												X			70952	70442	mgp
6	WC23 Comp					8:00									X						70953	70443	mgp
7	WC24 1-2					8:20												X			70954	70444	mgp
8	WC24 Comp					8:20									X						70955	70445	mgp
9	WC31 1-2					8:45												X			70956	70446	mgp
10	WC31 Comp					8:45									X						70957	70447	mgp

Matrix Codes
L - Liquid
S - Soil
A - Air
OL - Oil
W - Wipe
PC - Paint Chips
SL - Sludge
SD - Solid
DW- Drinking Water
DISS - Dissolved

Sample Type
G=Grab
C=Composite
B=Blank

Turnaround Time (Business Days)

Standard Service
- [ ] Standard - 5 day
- [ ] Standard - 4 day
- [x] Standard - 3 day

Rush Service
- [ ] 48 Hour *RUSH*
- [ ] 24 Hour *RUSH*

(LAB USE ONLY)
TAT Approved By / Date:

Data Deliverable Information
- [ ] Results Only (Level-1)
- [ ] Results plus Misc. QC (Level-2)
- [ ] Results plus ALL QC (Level-3)
- [ ] PA QC Package
- [ ] NJ QC Package (Level3NJ)
- [ ] CLP Category A (Level-2)
- [ ] CLP Category B (Level-4)
- [ ] ASP QC Package (Level-4)
- [ ] Other _____
- [x] EDD Format pdf+excel

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)

REFERENCES
*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSRS & NY Part 375 parameters and dectection limits. **Package B (proprietary)-Same as Package A, plus TCLP Metals & TPH. ***Package C (proprietary)-Same as Package B plus RCRA characteristics and Full TCLP

NOTES/COMMENTS:
* Full list per Michael L. (8)

Sample custody must be documented below each time samples change possession, with a signature, date, and time.

Relinquished by Sampler:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	2/5 2:00	1	2	2-5-15 15:26	2
Relinquished by: 3	Date / Time: 3	Received By: 3	Relinquished By: 4	Date / Time: 4	Received By: 4
Relinquished by: 5	Date / Time: 5	Received By: 5			

COOLER INFORMATION
Cooler Temp:_____ pH:_____ [ ] On Ice [ ] Sample Receipt Discrepancy(attach information)

Form SS-2/Nov. 2013

Bobbi - Phoenixlabs

From: Michael - Phoenixlabs [michael@phoenixlabs.com]
Sent: Friday, February 06, 2015 9:45 AM
To: 'Bobbi - Phoenixlabs'
Subject: FW: Phoenix Labs - GBH70938, SW MARINE TRANSFER STATION - COC Acknowledgement
Attachments: Sample Acknowledgement.pdf

Bobbi:

Please put this and 70936 as a Rush 3 day instead of a Standard 3 day. Thank you.

Regards,
Michael Lapman
Account Manager
Phoenix Environmental Laboratories, Inc.
587 East Middle Turnpike
Manchester, CT 06040
T-860-812-0086 / C-917-449-0850 / F-860-645-0823
www.phoenixlabs.com

This message, including any attachments hereto, may contain privileged or confidential information and is sent solely for the attention and use of the intended addressee(s). If you are not an intended addressee, you may neither use this message nor copy or deliver it to anyone. In such case, you should immediately destroy this message and kindly notify the sender by reply email. Thank you.

From: clientservices@phoenixlabs.com [mailto:clientservices@phoenixlabs.com]
Sent: Friday, February 06, 2015 9:34 AM
To: michael@phoenixlabs.com
Subject: Phoenix Labs - GBH70938, SW MARINE TRANSFER STATION - COC Acknowledgement

Michael,

Delivery group GBH70938 (SW MARINE TRANSFER STATION) has been logged in for the following samples:

Phoenix Id	Client Id
BH70938	WC 22 1-2
BH70939	WC 22 COMP
BH70940	WC 26 2-3
BH70941	WC 26 COMP
BH70942	WC 34 2-3

BH70943	WC 34 COMP
BH70944	WC 6 1-2
BH70945	WC 6 COMP
BH70946	WC 7 1-2
BH70947	WC 7 COMP
BH70948	WC 25 1-2
BH70949	WC 25 COMP
BH70950	WC 39 2-3
BH70951	WC 39 COMP
BH70952	WC 23 1-2
BH70953	WC 23 COMP
BH70954	WC 24 1-2
BH70955	WC 24 COMP
BH70956	WC 31 1-2
BH70957	WC 31 COMP

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

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

Phoenix Environmental Laboratories, Inc.
587 East Middle Turnpike
P.O. Box 370
Manchester, CT 06374
Tel. (860) 645-1102
Fax. (860) 645-0823
www.phoenixlabs.com

Please do not reply to this email.

PHOENIX
Environmental Laboratories, Inc.

Wednesday, February 11, 2015

Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Project ID: SW MARINE TRANSFER STATION
Sample ID#s: BH69802 - BH69821

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

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

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

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

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

Sincerely yours,

Phyllis Shiller
Laboratory Director

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

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
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Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

SDG Comments

February 11, 2015

SDG I.D.: GBH69802

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

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 11, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/03/15	8:00
Location Code:	IMPACT	Received by:	SW	02/03/15	18:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	7336				

Laboratory Data

SDG ID: GBH69802
Phoenix ID: BH69802

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 20 1-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/03/15	I	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	6.0	1.2	ug/Kg	02/04/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	6.0	1.2	ug/Kg	02/04/15	JLI	SW8260
1,3-Dichlorobenzene	ND	6.0	1.2	ug/Kg	02/04/15	JLI	SW8260
Naphthalene	ND	6.0	1.6	ug/Kg	02/04/15	JLI	SW8260
n-Butylbenzene	ND	6.0	1.2	ug/Kg	02/04/15	JLI	SW8260
n-Propylbenzene	ND	6.0	1.2	ug/Kg	02/04/15	JLI	SW8260
p-Isopropyltoluene	ND	6.0	1.2	ug/Kg	02/04/15	JLI	SW8260
sec-Butylbenzene	ND	6.0	1.2	ug/Kg	02/04/15	JLI	SW8260
tert-Butylbenzene	ND	6.0	1.2	ug/Kg	02/04/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99			%	02/04/15	JLI	SW8260
% Bromofluorobenzene	96			%	02/04/15	JLI	SW8260
% Dibromofluoromethane	96			%	02/04/15	JLI	SW8260
% Toluene-d8	90			%	02/04/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	100	100	ug/kg	02/04/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	6.0	1.2	ug/Kg	02/04/15	JLI	SW8260
1,1,1-Trichloroethane	ND	6.0	1.2	ug/Kg	02/04/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	6.0	0.85	ug/Kg	02/04/15	JLI	SW8260
1,1,2-Trichloroethane	ND	6.0	0.59	ug/Kg	02/04/15	JLI	SW8260
1,1-Dichloroethane	ND	6.0	1.2	ug/Kg	02/04/15	JLI	SW8260
1,1-Dichloroethene	ND	6.0	1.3	ug/Kg	02/04/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 20 1-2

Phoenix I.D.: BH69802

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		6.0	0.80	ug/Kg	02/04/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		6.0	0.71	ug/Kg	02/04/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		6.0	1.6	ug/Kg	02/04/15	JLI	SW8260
1,2-Dibromoethane	ND		6.0	1.6	ug/Kg	02/04/15	JLI	SW8260
1,2-Dichlorobenzene	ND		6.0	0.66	ug/Kg	02/04/15	JLI	SW8260
1,2-Dichloroethane	ND		6.0	0.53	ug/Kg	02/04/15	JLI	SW8260
1,2-Dichloropropane	ND		6.0	0.85	ug/Kg	02/04/15	JLI	SW8260
1,3-Dichlorobenzene	ND		6.0	0.89	ug/Kg	02/04/15	JLI	SW8260
1,4-Dichlorobenzene	ND		6.0	0.95	ug/Kg	02/04/15	JLI	SW8260
2-Hexanone	ND		30	2.7	ug/Kg	02/04/15	JLI	SW8260
4-Methyl-2-pentanone	ND		30	1.4	ug/Kg	02/04/15	JLI	SW8260
Acetone	ND		50	6.0	ug/Kg	02/04/15	JLI	SW8260
Acrolein	ND		30	4.8	ug/Kg	02/04/15	JLI	SW8260
Acrylonitrile	ND		12	3.4	ug/Kg	02/04/15	JLI	SW8260
Benzene	ND		6.0	1.2	ug/Kg	02/04/15	JLI	SW8260
Bromochloromethane	ND		6.0	0.88	ug/Kg	02/04/15	JLI	SW8260
Bromodichloromethane	ND		6.0	0.74	ug/Kg	02/04/15	JLI	SW8260
Bromoform	ND		6.0	0.84	ug/Kg	02/04/15	JLI	SW8260
Bromomethane	ND		6.0	4.6	ug/Kg	02/04/15	JLI	SW8260
Carbon Disulfide	ND		6.0	0.97	ug/Kg	02/04/15	JLI	SW8260
Carbon tetrachloride	ND		6.0	0.70	ug/Kg	02/04/15	JLI	SW8260
Chlorobenzene	ND		6.0	0.89	ug/Kg	02/04/15	JLI	SW8260
Chloroethane	ND		6.0	1.4	ug/Kg	02/04/15	JLI	SW8260
Chloroform	1.5	J	6.0	1.1	ug/Kg	02/04/15	JLI	SW8260
Chloromethane	ND		6.0	3.1	ug/Kg	02/04/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		6.0	1.3	ug/Kg	02/04/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		6.0	0.65	ug/Kg	02/04/15	JLI	SW8260
Cyclohexane	ND		6.0	6.0	ug/Kg	02/04/15	JLI	SW8260
Dibromochloromethane	ND		6.0	0.67	ug/Kg	02/04/15	JLI	SW8260
Dichlorodifluoromethane	ND		6.0	1.6	ug/Kg	02/04/15	JLI	SW8260
Ethylbenzene	ND		6.0	1.1	ug/Kg	02/04/15	JLI	SW8260
Isopropylbenzene	ND		6.0	1.2	ug/Kg	02/04/15	JLI	SW8260
m&p-Xylene	ND		6.0	2.4	ug/Kg	02/04/15	JLI	SW8260
Methyl ethyl ketone	ND		36	5.2	ug/Kg	02/04/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		12	1.7	ug/Kg	02/04/15	JLI	SW8260
Methylacetate	ND		6.0	6.0	ug/Kg	02/04/15	JLI	SW8260
Methylcyclohexane	ND		6.0	6.0	ug/Kg	02/04/15	JLI	SW8260
Methylene chloride	3.1	JS	6.0	0.98	ug/Kg	02/04/15	JLI	SW8260
o-Xylene	ND		6.0	2.3	ug/Kg	02/04/15	JLI	SW8260
Styrene	ND		6.0	1.7	ug/Kg	02/04/15	JLI	SW8260
tert-butyl alcohol	ND		120	120	ug/Kg	02/04/15	JLI	SW8260
Tetrachloroethene	ND		6.0	1.3	ug/Kg	02/04/15	JLI	SW8260
Toluene	ND		6.0	0.95	ug/Kg	02/04/15	JLI	SW8260
Total Xylenes	ND		6.0	6.0	ug/Kg	02/04/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		6.0	1.2	ug/Kg	02/04/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		6.0	1.2	ug/Kg	02/04/15	JLI	SW8260
Trichloroethene	ND		6.0	1.3	ug/Kg	02/04/15	JLI	SW8260
Trichlorofluoromethane	ND		6.0	1.3	ug/Kg	02/04/15	JLI	SW8260
Trichlorotrifluoroethane	ND		6.0	0.94	ug/Kg	02/04/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 20 1-2

Phoenix I.D.: BH69802

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	6.0	1.9	ug/Kg	02/04/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	02/04/15	JLI	70 - 130 %	
% Bromofluorobenzene	92			%	02/04/15	JLI	70 - 130 %	
% Dibromofluoromethane	96			%	02/04/15	JLI	70 - 130 %	
% Toluene-d8	89			%	02/04/15	JLI	70 - 130 %	
Vinyl Acetate	ND	60	60	ug/Kg	02/04/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

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 11, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 11, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/03/15	8:00
Location Code:	IMPACT	Received by:	SW	02/03/15	18:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	7336				

Laboratory Data

SDG ID: GBH69802
Phoenix ID: BH69803

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 20 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.39	0.39	0.39	mg/Kg	02/04/15	LK	SW6010	
Aluminum	2530	59	7.8	mg/Kg	02/04/15	LK	SW6010	B
Arsenic	3.2	0.8	0.78	mg/Kg	02/04/15	LK	SW6010	
Barium	76.0	0.39	0.39	mg/Kg	02/04/15	LK	SW6010	
Beryllium	< 0.31	0.31	0.16	mg/Kg	02/04/15	LK	SW6010	
Calcium	1590	5.9	3.6	mg/Kg	02/04/15	LK	SW6010	B
Cadmium	0.43	0.39	0.16	mg/Kg	02/04/15	LK	SW6010	
Cobalt	2.08	0.39	0.39	mg/Kg	02/04/15	LK	SW6010	
Chromium	9.93	0.39	0.39	mg/Kg	02/04/15	LK	SW6010	
Copper	14.6	0.39	0.39	mg/kg	02/04/15	LK	SW6010	
Iron	4910	5.9	3.9	mg/Kg	02/04/15	LK	SW6010	B
Mercury	0.04	0.03	0.02	mg/Kg	02/04/15	RS	SW-7471	
Potassium	319	5.9	3.1	mg/Kg	02/04/15	LK	SW6010	
Magnesium	1370	5.9	3.9	mg/Kg	02/04/15	LK	SW6010	B
Manganese	78.7	0.39	0.39	mg/Kg	02/04/15	LK	SW6010	B
Sodium	146	5.9	3.4	mg/Kg	02/04/15	LK	SW6010	
Nickel	6.80	0.39	0.39	mg/Kg	02/04/15	LK	SW6010	
Lead	170	3.9	3.9	mg/Kg	02/04/15	LK	SW6010	
Antimony	< 3.9	3.9	2.0	mg/Kg	02/04/15	LK	SW6010	
Selenium	< 1.6	1.6	1.3	mg/Kg	02/04/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/05/15	LK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/05/15	LK	SW6010	
TCLP Barium	1.08	0.10	0.010	mg/L	02/05/15	LK	SW6010	
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/05/15	LK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/05/15	LK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/05/15	RS	SW7470	
TCLP Lead	0.62	0.10	0.010	mg/L	02/05/15	LK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/05/15	LK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 20 COMP

Phoenix I.D.: BH69803

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.5	3.5	1.6	mg/Kg	02/04/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/05/15	I/I	SW3005	
Trivalent Chromium	9.45	0.50		mg/kg	02/05/15	CL	Calculation	
Vanadium	7.76	0.39	0.39	mg/Kg	02/04/15	LK	SW6010	
Zinc	145	0.39	0.39	mg/Kg	02/04/15	LK	SW6010	
Percent Solid	90			%	02/03/15	I	SW846	
Corrosivity	Negative			Pos/Neg	02/03/15	O/EG	SW846	1
Flash Point	>200	200		degree F	02/04/15	Y	SW1010	
Chromium, Hexavalent	0.480	0.44	0.44	mg/Kg	02/05/15 13:03	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/04/15	Y	SW846	1
pH - Soil	9.42	0.10		pH Units	02/03/15 21:30	O/EG	4500-H B/9045	1
Reactivity Cyanide	< 5.4	5.4	0.027	mg/Kg	02/03/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/04/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/04/15	EG	SW 846-7.3	1
Redox Potential	158	1.0		mV	02/03/15	O/EG	SM2580B	1
Total Cyanide	< 0.56	0.56	0.28	mg/Kg	02/04/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				02/03/15	JC/H	SW3545	
Soil Extraction for Pesticide	Completed				02/03/15	JC	SW3545	
Soil Extraction for SVOA	Completed				02/03/15	JJ/VH	SW3545	
Mercury Digestion	Completed				02/04/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/03/15	P/D	SW8151	
TCLP Digestion Mercury	Completed				02/05/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/04/15	F/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				02/03/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				02/03/15	I	1311	
TCLP Pesticides Extraction	Completed				02/04/15	L	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/04/15	L	SW3510	
TCLP Extraction Volatiles	Completed				02/03/15	Y	EPA 1311	
Total Metals Digest	Completed				02/03/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				02/03/15	BC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	46	46	ug/Kg	02/05/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	46	46	ug/Kg	02/05/15	BB	SW8151	
2,4-D	ND	46	46	ug/Kg	02/05/15	BB	SW8151	
2,4-DB	ND	460	460	ug/Kg	02/05/15	BB	SW8151	
Dalapon	ND	46	46	ug/Kg	02/05/15	BB	SW8151	
Dicamba	ND	91	91	ug/Kg	02/05/15	BB	SW8151	
Dichloroprop	ND	46	46	ug/Kg	02/05/15	BB	SW8151	
Dinoseb	ND	91	91	ug/Kg	02/05/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	66			%	02/05/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	73	73	ug/Kg	02/04/15	AW	SW 8082	
PCB-1221	ND	73	73	ug/Kg	02/04/15	AW	SW 8082	
PCB-1232	ND	73	73	ug/Kg	02/04/15	AW	SW 8082	
PCB-1242	ND	73	73	ug/Kg	02/04/15	AW	SW 8082	
PCB-1248	ND	73	73	ug/Kg	02/04/15	AW	SW 8082	
PCB-1254	ND	73	73	ug/Kg	02/04/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 20 COMP

Phoenix I.D.: BH69803

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	73	73	ug/Kg	02/04/15	AW	SW 8082
PCB-1262	ND	73	73	ug/Kg	02/04/15	AW	SW 8082
PCB-1268	ND	73	73	ug/Kg	02/04/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	98			%	02/04/15	AW	30 - 150 %
% TCMX	87			%	02/04/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.2	2.2	ug/Kg	02/05/15	CE	SW8081
4,4' -DDE	ND	2.2	2.2	ug/Kg	02/05/15	CE	SW8081
4,4' -DDT	ND	2.2	2.2	ug/Kg	02/05/15	CE	SW8081
a-BHC	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
a-Chlordane	ND	3.7	3.7	ug/Kg	02/05/15	CE	SW8081
Aldrin	ND	3.7	3.7	ug/Kg	02/05/15	CE	SW8081
b-BHC	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Chlordane	ND	37	37	ug/Kg	02/05/15	CE	SW8081
d-BHC	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Dieldrin	ND	3.7	3.7	ug/Kg	02/05/15	CE	SW8081
Endosulfan I	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Endosulfan II	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Endosulfan sulfate	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Endrin	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Endrin aldehyde	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Endrin ketone	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
g-BHC	ND	1.5	1.5	ug/Kg	02/05/15	CE	SW8081
g-Chlordane	ND	3.7	3.7	ug/Kg	02/05/15	CE	SW8081
Heptachlor	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Heptachlor epoxide	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Methoxychlor	ND	37	37	ug/Kg	02/05/15	CE	SW8081
Toxaphene	ND	150	150	ug/Kg	02/05/15	CE	SW8081
QA/QC Surrogates							
% DCBP	82			%	02/05/15	CE	30 - 150 %
% TCMX	88			%	02/05/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/05/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/05/15	BB	SW8151
QA/QC Surrogates							
% DCAA	63			%	02/05/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/05/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/05/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/05/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/05/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/05/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/05/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/05/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/05/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/05/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/05/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/05/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/05/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/05/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/05/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/05/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/05/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/05/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/05/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/05/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/05/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	90			%	02/05/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	87			%	02/05/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	55	55	mg/Kg	02/04/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	83			%	02/04/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/05/15	MH	SW8260
Benzene	ND	25	25	ug/L	02/05/15	MH	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/05/15	MH	SW8260
Chlorobenzene	ND	25	25	ug/L	02/05/15	MH	SW8260
Chloroform	ND	25	25	ug/L	02/05/15	MH	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/05/15	MH	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
Trichloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
Vinyl chloride	ND	25	25	ug/L	02/05/15	MH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	98			%	02/05/15	MH	70 - 130 %
% Bromofluorobenzene	97			%	02/05/15	MH	70 - 130 %
% Dibromofluoromethane	99			%	02/05/15	MH	70 - 130 %
% Toluene-d8	97			%	02/05/15	MH	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	250	110	ug/Kg	02/04/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	02/04/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	360	360	ug/Kg	02/04/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	250	170	ug/Kg	02/04/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	02/04/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	02/04/15	DD	SW 8270
2,4-Dichlorophenol	ND	150	130	ug/Kg	02/04/15	DD	SW 8270
2,4-Dimethylphenol	ND	250	90	ug/Kg	02/04/15	DD	SW 8270
2,4-Dinitrophenol	ND	250	250	ug/Kg	02/04/15	DD	SW 8270
2,4-Dinitrotoluene	ND	150	140	ug/Kg	02/04/15	DD	SW 8270
2,6-Dinitrotoluene	ND	150	110	ug/Kg	02/04/15	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	02/04/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 20 COMP

Phoenix I.D.: BH69803

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		250	100	ug/Kg	02/04/15	DD	SW 8270	
2-Methylnaphthalene	ND		250	110	ug/Kg	02/04/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		250	170	ug/Kg	02/04/15	DD	SW 8270	
2-Nitroaniline	ND		1800	370	ug/Kg	02/04/15	DD	SW 8270	
2-Nitrophenol	ND		250	230	ug/Kg	02/04/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		250	140	ug/Kg	02/04/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		150	170	ug/Kg	02/04/15	DD	SW 8270	
3-Nitroaniline	ND		1800	790	ug/Kg	02/04/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		250	390	ug/Kg	02/04/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		250	110	ug/Kg	02/04/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		250	130	ug/Kg	02/04/15	DD	SW 8270	
4-Chloroaniline	ND		730	170	ug/Kg	02/04/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		250	120	ug/Kg	02/04/15	DD	SW 8270	
4-Nitroaniline	ND		1800	120	ug/Kg	02/04/15	DD	SW 8270	
4-Nitrophenol	ND		1800	160	ug/Kg	02/04/15	DD	SW 8270	
Acenaphthene	ND		250	110	ug/Kg	02/04/15	DD	SW 8270	
Acenaphthylene	ND		150	100	ug/Kg	02/04/15	DD	SW 8270	
Acetophenone	ND		250	110	ug/Kg	02/04/15	DD	SW 8270	
Anthracene	ND		250	120	ug/Kg	02/04/15	DD	SW 8270	
Atrazine	ND		150	160	ug/Kg	02/04/15	DD	SW 8270	
Benz(a)anthracene	ND		250	120	ug/Kg	02/04/15	DD	SW 8270	
Benzaldehyde	ND		250	110	ug/Kg	02/04/15	DD	SW 8270	
Benzidine	ND		540	540	ug/Kg	02/04/15	DD	SW 8270	
Benzo(a)pyrene	130	J	150	120	ug/Kg	02/04/15	DD	SW 8270	
Benzo(b)fluoranthene	170	J	250	120	ug/Kg	02/04/15	DD	SW 8270	
Benzo(ghi)perylene	ND		250	120	ug/Kg	02/04/15	DD	SW 8270	
Benzo(k)fluoranthene	ND		250	120	ug/Kg	02/04/15	DD	SW 8270	
Benzyl Alcohol	ND		360	360	ug/Kg	02/04/15	DD	SW 8270	
Benzyl butyl phthalate	ND		250	94	ug/Kg	02/04/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		250	100	ug/Kg	02/04/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		150	98	ug/Kg	02/04/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		250	100	ug/Kg	02/04/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		250	100	ug/Kg	02/04/15	DD	SW 8270	
Caprolactam	ND		250	650	ug/Kg	02/04/15	DD	SW 8270	
Carbazole	ND		1800	280	ug/Kg	02/04/15	DD	SW 8270	
Chrysene	140	J	250	120	ug/Kg	02/04/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		150	120	ug/Kg	02/04/15	DD	SW 8270	
Dibenzofuran	ND		250	110	ug/Kg	02/04/15	DD	SW 8270	
Diethyl phthalate	ND		250	110	ug/Kg	02/04/15	DD	SW 8270	
Dimethylphthalate	ND		250	110	ug/Kg	02/04/15	DD	SW 8270	
Di-n-butylphthalate	ND		250	97	ug/Kg	02/04/15	DD	SW 8270	
Di-n-octylphthalate	ND		250	94	ug/Kg	02/04/15	DD	SW 8270	
Fluoranthene	210	J	250	120	ug/Kg	02/04/15	DD	SW 8270	
Fluorene	ND		250	120	ug/Kg	02/04/15	DD	SW 8270	
Hexachlorobenzene	ND		150	110	ug/Kg	02/04/15	DD	SW 8270	
Hexachlorobutadiene	ND		250	130	ug/Kg	02/04/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		250	110	ug/Kg	02/04/15	DD	SW 8270	
Hexachloroethane	ND		150	110	ug/Kg	02/04/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND		250	120	ug/Kg	02/04/15	DD	SW 8270	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND		150	100	ug/Kg	02/04/15	DD	SW 8270	
Naphthalene	ND		250	100	ug/Kg	02/04/15	DD	SW 8270	
Nitrobenzene	ND		150	130	ug/Kg	02/04/15	DD	SW 8270	
N-Nitrosodimethylamine	ND		250	100	ug/Kg	02/04/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		150	120	ug/Kg	02/04/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND		150	140	ug/Kg	02/04/15	DD	SW 8270	
Pentachlorophenol	ND		250	140	ug/Kg	02/04/15	DD	SW 8270	
Phenanthrene	170		150	100	ug/Kg	02/04/15	DD	SW 8270	
Phenol	ND		250	120	ug/Kg	02/04/15	DD	SW 8270	
Pyrene	180	J	250	120	ug/Kg	02/04/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	87				%	02/04/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	72				%	02/04/15	DD	30 - 130 %	
% 2-Fluorophenol	65				%	02/04/15	DD	30 - 130 %	
% Nitrobenzene-d5	67				%	02/04/15	DD	30 - 130 %	
% Phenol-d5	71				%	02/04/15	DD	30 - 130 %	
% Terphenyl-d14	65				%	02/04/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral									
1,4-Dichlorobenzene	ND		83	83	ug/L	02/05/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND		83	83	ug/L	02/05/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND		83	83	ug/L	02/05/15	DD	SW 8270	
2,4-Dinitrotoluene	ND		83	83	ug/L	02/05/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		83	83	ug/L	02/05/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND		83	83	ug/L	02/05/15	DD	SW 8270	
Hexachlorobenzene	ND		83	83	ug/L	02/05/15	DD	SW 8270	
Hexachlorobutadiene	ND		83	83	ug/L	02/05/15	DD	SW 8270	
Hexachloroethane	ND		83	83	ug/L	02/05/15	DD	SW 8270	
Nitrobenzene	ND		83	83	ug/L	02/05/15	DD	SW 8270	
Pentachlorophenol	ND		83	83	ug/L	02/05/15	DD	SW 8270	
Pyridine	ND		83	83	ug/L	02/05/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	104				%	02/05/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	73				%	02/05/15	DD	30 - 130 %	
% 2-Fluorophenol	58				%	02/05/15	DD	15 - 110 %	
% Nitrobenzene-d5	89				%	02/05/15	DD	30 - 130 %	
% Phenol-d5	50				%	02/05/15	DD	15 - 110 %	
% Terphenyl-d14	83				%	02/05/15	DD	30 - 130 %	
Aniline	ND		330		ug/Kg	02/05/15	DD	SW8270	
Benzoic Acid	ND		330		ug/Kg	02/05/15	DD	SW8270	1
Parathion	ND		360	150	ug/Kg	02/04/15	DD	SW8270	1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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 11, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 11, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/03/15	8:30
Location Code:	IMPACT	Received by:	SW	02/03/15	18:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	7336				

Laboratory Data

SDG ID: GBH69802
Phoenix ID: BH69804

Project ID: SW MARINE TRANSFER STATION
Client ID: DUP WC 20 1-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/03/15	I	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	5.4	1.1	ug/Kg	02/04/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	5.4	1.1	ug/Kg	02/04/15	JLI	SW8260
1,3-Dichlorobenzene	ND	5.4	1.1	ug/Kg	02/04/15	JLI	SW8260
Naphthalene	ND	5.4	1.4	ug/Kg	02/04/15	JLI	SW8260
n-Butylbenzene	ND	5.4	1.1	ug/Kg	02/04/15	JLI	SW8260
n-Propylbenzene	ND	5.4	1.1	ug/Kg	02/04/15	JLI	SW8260
p-Isopropyltoluene	ND	5.4	1.1	ug/Kg	02/04/15	JLI	SW8260
sec-Butylbenzene	ND	5.4	1.1	ug/Kg	02/04/15	JLI	SW8260
tert-Butylbenzene	ND	5.4	1.1	ug/Kg	02/04/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	97			%	02/04/15	JLI	SW8260
% Bromofluorobenzene	93			%	02/04/15	JLI	SW8260
% Dibromofluoromethane	97			%	02/04/15	JLI	SW8260
% Toluene-d8	90			%	02/04/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	100	100	ug/kg	02/04/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.4	1.1	ug/Kg	02/04/15	JLI	SW8260
1,1,1-Trichloroethane	ND	5.4	1.1	ug/Kg	02/04/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.4	0.76	ug/Kg	02/04/15	JLI	SW8260
1,1,2-Trichloroethane	ND	5.4	0.52	ug/Kg	02/04/15	JLI	SW8260
1,1-Dichloroethane	ND	5.4	1.1	ug/Kg	02/04/15	JLI	SW8260
1,1-Dichloroethene	ND	5.4	1.2	ug/Kg	02/04/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: DUP WC 20 1-2

Phoenix I.D.: BH69804

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		5.4	0.72	ug/Kg	02/04/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		5.4	0.63	ug/Kg	02/04/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		5.4	1.4	ug/Kg	02/04/15	JLI	SW8260
1,2-Dibromoethane	ND		5.4	1.4	ug/Kg	02/04/15	JLI	SW8260
1,2-Dichlorobenzene	ND		5.4	0.59	ug/Kg	02/04/15	JLI	SW8260
1,2-Dichloroethane	ND		5.4	0.47	ug/Kg	02/04/15	JLI	SW8260
1,2-Dichloropropane	ND		5.4	0.76	ug/Kg	02/04/15	JLI	SW8260
1,3-Dichlorobenzene	ND		5.4	0.79	ug/Kg	02/04/15	JLI	SW8260
1,4-Dichlorobenzene	ND		5.4	0.85	ug/Kg	02/04/15	JLI	SW8260
2-Hexanone	ND		27	2.4	ug/Kg	02/04/15	JLI	SW8260
4-Methyl-2-pentanone	ND		27	1.3	ug/Kg	02/04/15	JLI	SW8260
Acetone	ND		50	5.3	ug/Kg	02/04/15	JLI	SW8260
Acrolein	ND		27	4.3	ug/Kg	02/04/15	JLI	SW8260
Acrylonitrile	ND		11	3.0	ug/Kg	02/04/15	JLI	SW8260
Benzene	ND		5.4	1.1	ug/Kg	02/04/15	JLI	SW8260
Bromochloromethane	ND		5.4	0.78	ug/Kg	02/04/15	JLI	SW8260
Bromodichloromethane	ND		5.4	0.66	ug/Kg	02/04/15	JLI	SW8260
Bromoform	ND		5.4	0.75	ug/Kg	02/04/15	JLI	SW8260
Bromomethane	ND		5.4	4.1	ug/Kg	02/04/15	JLI	SW8260
Carbon Disulfide	ND		5.4	0.87	ug/Kg	02/04/15	JLI	SW8260
Carbon tetrachloride	ND		5.4	0.62	ug/Kg	02/04/15	JLI	SW8260
Chlorobenzene	0.82	J	5.4	0.79	ug/Kg	02/04/15	JLI	SW8260
Chloroethane	ND		5.4	1.3	ug/Kg	02/04/15	JLI	SW8260
Chloroform	1.0	J	5.4	0.97	ug/Kg	02/04/15	JLI	SW8260
Chloromethane	ND		5.4	2.8	ug/Kg	02/04/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		5.4	1.2	ug/Kg	02/04/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		5.4	0.58	ug/Kg	02/04/15	JLI	SW8260
Cyclohexane	ND		5.4	5.4	ug/Kg	02/04/15	JLI	SW8260
Dibromochloromethane	ND		5.4	0.60	ug/Kg	02/04/15	JLI	SW8260
Dichlorodifluoromethane	ND		5.4	1.4	ug/Kg	02/04/15	JLI	SW8260
Ethylbenzene	ND		5.4	0.97	ug/Kg	02/04/15	JLI	SW8260
Isopropylbenzene	ND		5.4	1.0	ug/Kg	02/04/15	JLI	SW8260
m&p-Xylene	ND		5.4	2.1	ug/Kg	02/04/15	JLI	SW8260
Methyl ethyl ketone	ND		32	4.6	ug/Kg	02/04/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		11	1.5	ug/Kg	02/04/15	JLI	SW8260
Methylacetate	ND		5.4	5.4	ug/Kg	02/04/15	JLI	SW8260
Methylcyclohexane	ND		5.4	5.4	ug/Kg	02/04/15	JLI	SW8260
Methylene chloride	2.9	JS	5.4	0.88	ug/Kg	02/04/15	JLI	SW8260
o-Xylene	ND		5.4	2.0	ug/Kg	02/04/15	JLI	SW8260
Styrene	ND		5.4	1.5	ug/Kg	02/04/15	JLI	SW8260
tert-butyl alcohol	ND		110	110	ug/Kg	02/04/15	JLI	SW8260
Tetrachloroethene	ND		5.4	1.1	ug/Kg	02/04/15	JLI	SW8260
Toluene	ND		5.4	0.85	ug/Kg	02/04/15	JLI	SW8260
Total Xylenes	ND		5.4	5.4	ug/Kg	02/04/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		5.4	1.1	ug/Kg	02/04/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		5.4	1.1	ug/Kg	02/04/15	JLI	SW8260
Trichloroethene	ND		5.4	1.1	ug/Kg	02/04/15	JLI	SW8260
Trichlorofluoromethane	ND		5.4	1.2	ug/Kg	02/04/15	JLI	SW8260
Trichlorotrifluoroethane	ND		5.4	0.83	ug/Kg	02/04/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: DUP WC 20 1-2

Phoenix I.D.: BH69804

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	5.4	1.7	ug/Kg	02/04/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	98			%	02/04/15	JLI	70 - 130 %	
% Bromofluorobenzene	90			%	02/04/15	JLI	70 - 130 %	
% Dibromofluoromethane	96			%	02/04/15	JLI	70 - 130 %	
% Toluene-d8	90			%	02/04/15	JLI	70 - 130 %	
Vinyl Acetate	ND	54	54	ug/Kg	02/04/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

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 11, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 11, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/03/15	8:30
Location Code:	IMPACT	Received by:	SW	02/03/15	18:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	7336				

Laboratory Data

SDG ID: GBH69802
Phoenix ID: BH69805

Project ID: SW MARINE TRANSFER STATION
Client ID: DUP WC 20 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.37	0.37	0.37	mg/Kg	02/04/15	LK	SW6010	
Aluminum	1440	5.6	0.74	mg/Kg	02/04/15	LK	SW6010	B
Arsenic	1.3	0.7	0.74	mg/Kg	02/04/15	LK	SW6010	
Barium	22.2	0.37	0.37	mg/Kg	02/04/15	LK	SW6010	
Beryllium	< 0.30	0.30	0.15	mg/Kg	02/04/15	LK	SW6010	
Calcium	600	5.6	3.4	mg/Kg	02/04/15	LK	SW6010	B
Cadmium	< 0.37	0.37	0.15	mg/Kg	02/04/15	LK	SW6010	
Cobalt	1.29	0.37	0.37	mg/Kg	02/04/15	LK	SW6010	
Chromium	5.67	0.37	0.37	mg/Kg	02/04/15	LK	SW6010	
Copper	3.92	0.37	0.37	mg/kg	02/04/15	LK	SW6010	
Iron	3070	5.6	3.7	mg/Kg	02/04/15	LK	SW6010	B
Mercury	0.05	0.03	0.02	mg/Kg	02/04/15	RS	SW-7471	
Potassium	257	5.6	2.9	mg/Kg	02/04/15	LK	SW6010	
Magnesium	637	5.6	3.7	mg/Kg	02/04/15	LK	SW6010	B
Manganese	34.0	0.37	0.37	mg/Kg	02/04/15	LK	SW6010	B
Sodium	91.3	5.6	3.2	mg/Kg	02/04/15	LK	SW6010	
Nickel	4.73	0.37	0.37	mg/Kg	02/04/15	LK	SW6010	
Lead	33.3	0.37	0.37	mg/Kg	02/04/15	LK	SW6010	
Antimony	< 3.7	3.7	1.9	mg/Kg	02/04/15	LK	SW6010	
Selenium	< 1.5	1.5	1.3	mg/Kg	02/04/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/05/15	LK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/05/15	LK	SW6010	
TCLP Barium	0.54	0.10	0.010	mg/L	02/05/15	LK	SW6010	
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/05/15	LK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/05/15	LK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/05/15	RS	SW7470	
TCLP Lead	0.39	0.10	0.010	mg/L	02/05/15	LK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/05/15	LK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: DUP WC 20 COMP

Phoenix I.D.: BH69805

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.4	3.4	1.5	mg/Kg	02/04/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/05/15	I/I	SW3005	
Trivalent Chromium	5.67	0.50		mg/kg	02/05/15	CL	Calculation	
Vanadium	5.02	0.37	0.37	mg/Kg	02/04/15	LK	SW6010	
Zinc	78.7	0.37	0.37	mg/Kg	02/04/15	LK	SW6010	
Percent Solid	92			%	02/03/15	I	SW846	
Corrosivity	Negative			Pos/Neg	02/03/15	O/EG	SW846	1
Flash Point	>200	200		degree F	02/04/15	Y	SW1010	
Chromium, Hexavalent	< 0.43	0.43	0.43	mg/Kg	02/05/15 13:03	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/04/15	Y	SW846	1
pH - Soil	9.39	0.10		pH Units	02/03/15 21:30	O/EG	4500-H B/9045	1
Reactivity Cyanide	< 5.4	5.4	0.027	mg/Kg	02/03/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/04/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/04/15	EG	SW 846-7.3	1
Redox Potential	122	1.0		mV	02/03/15	O/EG	SM2580B	1
Total Cyanide	< 0.54	0.54	0.27	mg/Kg	02/04/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				02/03/15	JC/H	SW3545	
Soil Extraction for Pesticide	Completed				02/03/15	JC	SW3545	
Soil Extraction for SVOA	Completed				02/03/15	JJ/VH	SW3545	
Mercury Digestion	Completed				02/04/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/03/15	P/D	SW8151	
TCLP Digestion Mercury	Completed				02/05/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/04/15	F/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				02/03/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				02/03/15	I	1311	
TCLP Pesticides Extraction	Completed				02/04/15	L	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/04/15	L	SW3510	
TCLP Extraction Volatiles	Completed				02/03/15	Y	EPA 1311	
Total Metals Digest	Completed				02/03/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				02/03/15	BC/V	3545/3550	

Chlorinated Herbicides

2,4,5-T	ND	45	45	ug/Kg	02/05/15	BB	SW8151
2,4,5-TP (Silvex)	ND	45	45	ug/Kg	02/05/15	BB	SW8151
2,4-D	ND	45	45	ug/Kg	02/05/15	BB	SW8151
2,4-DB	ND	450	450	ug/Kg	02/05/15	BB	SW8151
Dalapon	ND	45	45	ug/Kg	02/05/15	BB	SW8151
Dicamba	ND	90	90	ug/Kg	02/05/15	BB	SW8151
Dichloroprop	ND	45	45	ug/Kg	02/05/15	BB	SW8151
Dinoseb	ND	90	90	ug/Kg	02/05/15	BB	SW8151
QA/QC Surrogates							
% DCAA	67			%	02/05/15	BB	30 - 150 %

Polychlorinated Biphenyls

PCB-1016	ND	70	70	ug/Kg	02/04/15	AW	SW 8082
PCB-1221	ND	70	70	ug/Kg	02/04/15	AW	SW 8082
PCB-1232	ND	70	70	ug/Kg	02/04/15	AW	SW 8082
PCB-1242	ND	70	70	ug/Kg	02/04/15	AW	SW 8082
PCB-1248	ND	70	70	ug/Kg	02/04/15	AW	SW 8082
PCB-1254	ND	70	70	ug/Kg	02/04/15	AW	SW 8082

Project ID: SW MARINE TRANSFER STATION
Client ID: DUP WC 20 COMP

Phoenix I.D.: BH69805

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	70	70	ug/Kg	02/04/15	AW	SW 8082
PCB-1262	ND	70	70	ug/Kg	02/04/15	AW	SW 8082
PCB-1268	ND	70	70	ug/Kg	02/04/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	95			%	02/04/15	AW	30 - 150 %
% TCMX	85			%	02/04/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.1	2.1	ug/Kg	02/05/15	CE	SW8081
4,4' -DDE	ND	2.1	2.1	ug/Kg	02/05/15	CE	SW8081
4,4' -DDT	ND	2.1	2.1	ug/Kg	02/05/15	CE	SW8081
a-BHC	ND	7.0	7.0	ug/Kg	02/05/15	CE	SW8081
a-Chlordane	ND	3.5	3.5	ug/Kg	02/05/15	CE	SW8081
Aldrin	ND	3.5	3.5	ug/Kg	02/05/15	CE	SW8081
b-BHC	ND	7.0	7.0	ug/Kg	02/05/15	CE	SW8081
Chlordane	ND	35	35	ug/Kg	02/05/15	CE	SW8081
d-BHC	ND	7.0	7.0	ug/Kg	02/05/15	CE	SW8081
Dieldrin	ND	3.5	3.5	ug/Kg	02/05/15	CE	SW8081
Endosulfan I	ND	7.0	7.0	ug/Kg	02/05/15	CE	SW8081
Endosulfan II	ND	7.0	7.0	ug/Kg	02/05/15	CE	SW8081
Endosulfan sulfate	ND	7.0	7.0	ug/Kg	02/05/15	CE	SW8081
Endrin	ND	7.0	7.0	ug/Kg	02/05/15	CE	SW8081
Endrin aldehyde	ND	7.0	7.0	ug/Kg	02/05/15	CE	SW8081
Endrin ketone	ND	7.0	7.0	ug/Kg	02/05/15	CE	SW8081
g-BHC	ND	1.4	1.4	ug/Kg	02/05/15	CE	SW8081
g-Chlordane	ND	3.5	3.5	ug/Kg	02/05/15	CE	SW8081
Heptachlor	ND	7.0	7.0	ug/Kg	02/05/15	CE	SW8081
Heptachlor epoxide	ND	7.0	7.0	ug/Kg	02/05/15	CE	SW8081
Methoxychlor	ND	35	35	ug/Kg	02/05/15	CE	SW8081
Toxaphene	ND	140	140	ug/Kg	02/05/15	CE	SW8081
QA/QC Surrogates							
% DCBP	83			%	02/05/15	CE	30 - 150 %
% TCMX	88			%	02/05/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/05/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/05/15	BB	SW8151
QA/QC Surrogates							
% DCAA	61			%	02/05/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/05/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/05/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/05/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/05/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/05/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/05/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/05/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/05/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/05/15	CE	SW 8081

Project ID: SW MARINE TRANSFER STATION
Client ID: DUP WC 20 COMP

Phoenix I.D.: BH69805

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/05/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/05/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/05/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/05/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/05/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/05/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/05/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/05/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/05/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/05/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/05/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	96			%	02/05/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	95			%	02/05/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	54	54	mg/Kg	02/04/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	84			%	02/04/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/05/15	MH	SW8260
Benzene	ND	25	25	ug/L	02/05/15	MH	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/05/15	MH	SW8260
Chlorobenzene	ND	25	25	ug/L	02/05/15	MH	SW8260
Chloroform	ND	25	25	ug/L	02/05/15	MH	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/05/15	MH	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
Trichloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
Vinyl chloride	ND	25	25	ug/L	02/05/15	MH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100			%	02/05/15	MH	70 - 130 %
% Bromofluorobenzene	97			%	02/05/15	MH	70 - 130 %
% Dibromofluoromethane	98			%	02/05/15	MH	70 - 130 %
% Toluene-d8	99			%	02/05/15	MH	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	250	110	ug/Kg	02/04/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	02/04/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	360	360	ug/Kg	02/04/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	250	170	ug/Kg	02/04/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	02/04/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	02/04/15	DD	SW 8270
2,4-Dichlorophenol	ND	140	130	ug/Kg	02/04/15	DD	SW 8270
2,4-Dimethylphenol	ND	250	88	ug/Kg	02/04/15	DD	SW 8270
2,4-Dinitrophenol	ND	250	250	ug/Kg	02/04/15	DD	SW 8270
2,4-Dinitrotoluene	ND	140	140	ug/Kg	02/04/15	DD	SW 8270
2,6-Dinitrotoluene	ND	140	110	ug/Kg	02/04/15	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	02/04/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: DUP WC 20 COMP

Phoenix I.D.: BH69805

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		250	100	ug/Kg	02/04/15	DD	SW 8270	
2-Methylnaphthalene	ND		250	110	ug/Kg	02/04/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		250	170	ug/Kg	02/04/15	DD	SW 8270	
2-Nitroaniline	ND		1800	360	ug/Kg	02/04/15	DD	SW 8270	
2-Nitrophenol	ND		250	230	ug/Kg	02/04/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		250	140	ug/Kg	02/04/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		140	170	ug/Kg	02/04/15	DD	SW 8270	
3-Nitroaniline	ND		1800	780	ug/Kg	02/04/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		250	380	ug/Kg	02/04/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		250	100	ug/Kg	02/04/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		250	130	ug/Kg	02/04/15	DD	SW 8270	
4-Chloroaniline	ND		710	170	ug/Kg	02/04/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		250	120	ug/Kg	02/04/15	DD	SW 8270	
4-Nitroaniline	ND		1800	120	ug/Kg	02/04/15	DD	SW 8270	
4-Nitrophenol	ND		1800	160	ug/Kg	02/04/15	DD	SW 8270	
Acenaphthene	ND		250	110	ug/Kg	02/04/15	DD	SW 8270	
Acenaphthylene	ND		140	100	ug/Kg	02/04/15	DD	SW 8270	
Acetophenone	ND		250	110	ug/Kg	02/04/15	DD	SW 8270	
Anthracene	ND		250	120	ug/Kg	02/04/15	DD	SW 8270	
Atrazine	ND		140	160	ug/Kg	02/04/15	DD	SW 8270	
Benz(a)anthracene	150	J	250	120	ug/Kg	02/04/15	DD	SW 8270	
Benzaldehyde	ND		250	110	ug/Kg	02/04/15	DD	SW 8270	
Benzidine	ND		540	540	ug/Kg	02/04/15	DD	SW 8270	
Benzo(a)pyrene	140	J	140	120	ug/Kg	02/04/15	DD	SW 8270	
Benzo(b)fluoranthene	160	J	250	120	ug/Kg	02/04/15	DD	SW 8270	
Benzo(ghi)perylene	ND		250	120	ug/Kg	02/04/15	DD	SW 8270	
Benzo(k)fluoranthene	ND		250	120	ug/Kg	02/04/15	DD	SW 8270	
Benzyl Alcohol	ND		360	360	ug/Kg	02/04/15	DD	SW 8270	
Benzyl butyl phthalate	ND		250	92	ug/Kg	02/04/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		250	98	ug/Kg	02/04/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		140	96	ug/Kg	02/04/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		250	99	ug/Kg	02/04/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		250	100	ug/Kg	02/04/15	DD	SW 8270	
Caprolactam	ND		250	640	ug/Kg	02/04/15	DD	SW 8270	
Carbazole	ND		1800	270	ug/Kg	02/04/15	DD	SW 8270	
Chrysene	140	J	250	120	ug/Kg	02/04/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		140	120	ug/Kg	02/04/15	DD	SW 8270	
Dibenzofuran	ND		250	100	ug/Kg	02/04/15	DD	SW 8270	
Diethyl phthalate	ND		250	110	ug/Kg	02/04/15	DD	SW 8270	
Dimethylphthalate	ND		250	110	ug/Kg	02/04/15	DD	SW 8270	
Di-n-butylphthalate	ND		250	95	ug/Kg	02/04/15	DD	SW 8270	
Di-n-octylphthalate	ND		250	92	ug/Kg	02/04/15	DD	SW 8270	
Fluoranthene	210	J	250	120	ug/Kg	02/04/15	DD	SW 8270	
Fluorene	ND		250	120	ug/Kg	02/04/15	DD	SW 8270	
Hexachlorobenzene	ND		140	100	ug/Kg	02/04/15	DD	SW 8270	
Hexachlorobutadiene	ND		250	130	ug/Kg	02/04/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		250	110	ug/Kg	02/04/15	DD	SW 8270	
Hexachloroethane	ND		140	110	ug/Kg	02/04/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND		250	120	ug/Kg	02/04/15	DD	SW 8270	

Project ID: SW MARINE TRANSFER STATION
Client ID: DUP WC 20 COMP

Phoenix I.D.: BH69805

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND		140	100	ug/Kg	02/04/15	DD	SW 8270	
Naphthalene	ND		250	100	ug/Kg	02/04/15	DD	SW 8270	
Nitrobenzene	ND		140	120	ug/Kg	02/04/15	DD	SW 8270	
N-Nitrosodimethylamine	ND		250	100	ug/Kg	02/04/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		140	120	ug/Kg	02/04/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND		140	140	ug/Kg	02/04/15	DD	SW 8270	
Pentachlorophenol	ND		250	130	ug/Kg	02/04/15	DD	SW 8270	
Phenanthrene	150		140	100	ug/Kg	02/04/15	DD	SW 8270	
Phenol	ND		250	110	ug/Kg	02/04/15	DD	SW 8270	
Pyrene	180	J	250	120	ug/Kg	02/04/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	86				%	02/04/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	72				%	02/04/15	DD	30 - 130 %	
% 2-Fluorophenol	68				%	02/04/15	DD	30 - 130 %	
% Nitrobenzene-d5	72				%	02/04/15	DD	30 - 130 %	
% Phenol-d5	72				%	02/04/15	DD	30 - 130 %	
% Terphenyl-d14	61				%	02/04/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral									
1,4-Dichlorobenzene	ND		83	83	ug/L	02/05/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND		83	83	ug/L	02/05/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND		83	83	ug/L	02/05/15	DD	SW 8270	
2,4-Dinitrotoluene	ND		83	83	ug/L	02/05/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		83	83	ug/L	02/05/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND		83	83	ug/L	02/05/15	DD	SW 8270	
Hexachlorobenzene	ND		83	83	ug/L	02/05/15	DD	SW 8270	
Hexachlorobutadiene	ND		83	83	ug/L	02/05/15	DD	SW 8270	
Hexachloroethane	ND		83	83	ug/L	02/05/15	DD	SW 8270	
Nitrobenzene	ND		83	83	ug/L	02/05/15	DD	SW 8270	
Pentachlorophenol	ND		83	83	ug/L	02/05/15	DD	SW 8270	
Pyridine	ND		83	83	ug/L	02/05/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	95				%	02/05/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	62				%	02/05/15	DD	30 - 130 %	
% 2-Fluorophenol	52				%	02/05/15	DD	15 - 110 %	
% Nitrobenzene-d5	81				%	02/05/15	DD	30 - 130 %	
% Phenol-d5	45				%	02/05/15	DD	15 - 110 %	
% Terphenyl-d14	77				%	02/05/15	DD	30 - 130 %	
Aniline	ND		330		ug/Kg	02/05/15	DD	SW8270	
Benzoic Acid	ND		330		ug/Kg	02/05/15	DD	SW8270	1
Parathion	ND		360	140	ug/Kg	02/04/15	DD	SW8270	1

Project ID: SW MARINE TRANSFER STATION
Client ID: DUP WC 20 COMP

Phoenix I.D.: BH69805

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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 11, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 11, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/03/15	8:40
Location Code:	IMPACT	Received by:	SW	02/03/15	18:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	7336				

Laboratory Data

SDG ID: GBH69802
Phoenix ID: BH69806

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 27 1-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/03/15	I	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	5.3	1.1	ug/Kg	02/05/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	5.3	1.1	ug/Kg	02/05/15	JLI	SW8260
1,3-Dichlorobenzene	ND	5.3	1.1	ug/Kg	02/05/15	JLI	SW8260
Naphthalene	ND	5.3	1.4	ug/Kg	02/05/15	JLI	SW8260
n-Butylbenzene	ND	5.3	1.1	ug/Kg	02/05/15	JLI	SW8260
n-Propylbenzene	ND	5.3	1.1	ug/Kg	02/05/15	JLI	SW8260
p-Isopropyltoluene	ND	5.3	1.1	ug/Kg	02/05/15	JLI	SW8260
sec-Butylbenzene	ND	5.3	1.1	ug/Kg	02/05/15	JLI	SW8260
tert-Butylbenzene	ND	5.3	1.1	ug/Kg	02/05/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	103			%	02/05/15	JLI	SW8260
% Bromofluorobenzene	88			%	02/05/15	JLI	SW8260
% Dibromofluoromethane	104			%	02/05/15	JLI	SW8260
% Toluene-d8	89			%	02/05/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	100	100	ug/kg	02/05/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.3	1.1	ug/Kg	02/05/15	JLI	SW8260
1,1,1-Trichloroethane	ND	5.3	1.1	ug/Kg	02/05/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.3	0.75	ug/Kg	02/05/15	JLI	SW8260
1,1,2-Trichloroethane	ND	5.3	0.51	ug/Kg	02/05/15	JLI	SW8260
1,1-Dichloroethane	ND	5.3	1.0	ug/Kg	02/05/15	JLI	SW8260
1,1-Dichloroethene	ND	5.3	1.1	ug/Kg	02/05/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 27 1-2

Phoenix I.D.: BH69806

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		5.3	0.70	ug/Kg	02/05/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		5.3	0.62	ug/Kg	02/05/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		5.3	1.4	ug/Kg	02/05/15	JLI	SW8260
1,2-Dibromoethane	ND		5.3	1.4	ug/Kg	02/05/15	JLI	SW8260
1,2-Dichlorobenzene	ND		5.3	0.58	ug/Kg	02/05/15	JLI	SW8260
1,2-Dichloroethane	ND		5.3	0.46	ug/Kg	02/05/15	JLI	SW8260
1,2-Dichloropropane	ND		5.3	0.75	ug/Kg	02/05/15	JLI	SW8260
1,3-Dichlorobenzene	ND		5.3	0.78	ug/Kg	02/05/15	JLI	SW8260
1,4-Dichlorobenzene	ND		5.3	0.83	ug/Kg	02/05/15	JLI	SW8260
2-Hexanone	ND		26	2.4	ug/Kg	02/05/15	JLI	SW8260
4-Methyl-2-pentanone	ND		26	1.2	ug/Kg	02/05/15	JLI	SW8260
Acetone	ND		50	5.2	ug/Kg	02/05/15	JLI	SW8260
Acrolein	ND		26	4.2	ug/Kg	02/05/15	JLI	SW8260
Acrylonitrile	ND		11	3.0	ug/Kg	02/05/15	JLI	SW8260
Benzene	ND		5.3	1.0	ug/Kg	02/05/15	JLI	SW8260
Bromochloromethane	ND		5.3	0.77	ug/Kg	02/05/15	JLI	SW8260
Bromodichloromethane	1.3	J	5.3	0.65	ug/Kg	02/05/15	JLI	SW8260
Bromoform	ND		5.3	0.74	ug/Kg	02/05/15	JLI	SW8260
Bromomethane	ND		5.3	4.0	ug/Kg	02/05/15	JLI	SW8260
Carbon Disulfide	ND		5.3	0.85	ug/Kg	02/05/15	JLI	SW8260
Carbon tetrachloride	ND		5.3	0.61	ug/Kg	02/05/15	JLI	SW8260
Chlorobenzene	ND		5.3	0.78	ug/Kg	02/05/15	JLI	SW8260
Chloroethane	ND		5.3	1.2	ug/Kg	02/05/15	JLI	SW8260
Chloroform	110	J	270	48	ug/Kg	02/04/15	JLI	SW8260
Chloromethane	ND		5.3	2.8	ug/Kg	02/05/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		5.3	1.1	ug/Kg	02/05/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		5.3	0.57	ug/Kg	02/05/15	JLI	SW8260
Cyclohexane	ND		5.3	5.3	ug/Kg	02/05/15	JLI	SW8260
Dibromochloromethane	ND		5.3	0.59	ug/Kg	02/05/15	JLI	SW8260
Dichlorodifluoromethane	ND		5.3	1.4	ug/Kg	02/05/15	JLI	SW8260
Ethylbenzene	ND		5.3	0.96	ug/Kg	02/05/15	JLI	SW8260
Isopropylbenzene	ND		5.3	1.0	ug/Kg	02/05/15	JLI	SW8260
m&p-Xylene	ND		5.3	2.1	ug/Kg	02/05/15	JLI	SW8260
Methyl ethyl ketone	ND		32	4.6	ug/Kg	02/05/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		11	1.4	ug/Kg	02/05/15	JLI	SW8260
Methylacetate	ND		5.3	5.3	ug/Kg	02/05/15	JLI	SW8260
Methylcyclohexane	ND		5.3	5.3	ug/Kg	02/05/15	JLI	SW8260
Methylene chloride	2.3	JS	5.3	0.86	ug/Kg	02/05/15	JLI	SW8260
o-Xylene	ND		5.3	2.0	ug/Kg	02/05/15	JLI	SW8260
Styrene	ND		5.3	1.5	ug/Kg	02/05/15	JLI	SW8260
tert-butyl alcohol	ND		110	110	ug/Kg	02/05/15	JLI	SW8260
Tetrachloroethene	ND		5.3	1.1	ug/Kg	02/05/15	JLI	SW8260
Toluene	ND		5.3	0.83	ug/Kg	02/05/15	JLI	SW8260
Total Xylenes	ND		5.3	5.3	ug/Kg	02/05/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		5.3	1.1	ug/Kg	02/05/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		5.3	1.1	ug/Kg	02/05/15	JLI	SW8260
Trichloroethene	ND		5.3	1.1	ug/Kg	02/05/15	JLI	SW8260
Trichlorofluoromethane	ND		5.3	1.2	ug/Kg	02/05/15	JLI	SW8260
Trichlorotrifluoroethane	ND		5.3	0.82	ug/Kg	02/05/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 27 1-2

Phoenix I.D.: BH69806

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	5.3	1.7	ug/Kg	02/05/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	103			%	02/05/15	JLI	70 - 130 %	
% Bromofluorobenzene	85			%	02/05/15	JLI	70 - 130 %	
% Dibromofluoromethane	105			%	02/05/15	JLI	70 - 130 %	
% Toluene-d8	89			%	02/05/15	JLI	70 - 130 %	
Vinyl Acetate	ND	53	53	ug/Kg	02/05/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

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 11, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 11, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/03/15	8:40
Location Code:	IMPACT	Received by:	SW	02/03/15	18:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	7336				

Laboratory Data

SDG ID: GBH69802
Phoenix ID: BH69807

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 27 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.39	0.39	0.39	mg/Kg	02/04/15	LK	SW6010	
Aluminum	1320	5.9	0.78	mg/Kg	02/04/15	LK	SW6010	B
Arsenic	1.0	0.8	0.78	mg/Kg	02/04/15	LK	SW6010	
Barium	16.4	0.39	0.39	mg/Kg	02/04/15	LK	SW6010	
Beryllium	< 0.31	0.31	0.16	mg/Kg	02/04/15	LK	SW6010	
Calcium	1670	5.9	3.6	mg/Kg	02/04/15	LK	SW6010	B
Cadmium	< 0.39	0.39	0.16	mg/Kg	02/04/15	LK	SW6010	
Cobalt	1.25	0.39	0.39	mg/Kg	02/04/15	LK	SW6010	
Chromium	4.86	0.39	0.39	mg/Kg	02/04/15	LK	SW6010	
Copper	4.21	0.39	0.39	mg/kg	02/04/15	LK	SW6010	
Iron	2740	5.9	3.9	mg/Kg	02/04/15	LK	SW6010	B
Mercury	< 0.03	0.03	0.02	mg/Kg	02/04/15	RS	SW-7471	
Potassium	272	5.9	3.1	mg/Kg	02/04/15	LK	SW6010	
Magnesium	1150	5.9	3.9	mg/Kg	02/04/15	LK	SW6010	B
Manganese	35.4	0.39	0.39	mg/Kg	02/04/15	LK	SW6010	B
Sodium	47.3	5.9	3.4	mg/Kg	02/04/15	LK	SW6010	
Nickel	4.13	0.39	0.39	mg/Kg	02/04/15	LK	SW6010	
Lead	30.6	0.39	0.39	mg/Kg	02/04/15	LK	SW6010	
Antimony	< 3.9	3.9	2.0	mg/Kg	02/04/15	LK	SW6010	
Selenium	< 1.6	1.6	1.3	mg/Kg	02/04/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/05/15	LK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/05/15	LK	SW6010	
TCLP Barium	0.29	0.10	0.010	mg/L	02/05/15	LK	SW6010	
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/05/15	LK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/05/15	LK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/05/15	RS	SW7470	
TCLP Lead	0.20	0.10	0.010	mg/L	02/05/15	LK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/05/15	LK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 27 COMP

Phoenix I.D.: BH69807

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.5	3.5	1.6	mg/Kg	02/04/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/05/15	I/I	SW3005	
Trivalent Chromium	4.86	0.50		mg/kg	02/05/15	CL	Calculation	
Vanadium	6.21	0.39	0.39	mg/Kg	02/04/15	LK	SW6010	
Zinc	30.5	0.39	0.39	mg/Kg	02/04/15	LK	SW6010	
Percent Solid	83			%	02/03/15	I	SW846	
Corrosivity	Negative			Pos/Neg	02/03/15	O/EG	SW846	1
Flash Point	>200	200		degree F	02/04/15	Y	SW1010	
Chromium, Hexavalent	< 0.48	0.48	0.48	mg/Kg	02/05/15 13:03	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/04/15	Y	SW846	1
pH - Soil	10.75	0.10		pH Units	02/03/15 21:30	O/EG	4500-H B/9045	1
Reactivity Cyanide	< 5.8	5.8	0.029	mg/Kg	02/03/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/04/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/04/15	EG	SW 846-7.3	1
Redox Potential	183	1.0		mV	02/03/15	O/EG	SM2580B	1
Total Cyanide	< 0.60	0.60	0.30	mg/Kg	02/04/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				02/03/15	JC/H	SW3545	
Soil Extraction for Pesticide	Completed				02/03/15	JC	SW3545	
Soil Extraction for SVOA	Completed				02/03/15	JJ/VH	SW3545	
Mercury Digestion	Completed				02/04/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/03/15	P/D	SW8151	
TCLP Digestion Mercury	Completed				02/05/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/04/15	F/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				02/03/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				02/03/15	I	1311	
TCLP Pesticides Extraction	Completed				02/04/15	T	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/04/15	L	SW3510	
TCLP Extraction Volatiles	Completed				02/03/15	Y	EPA 1311	
Total Metals Digest	Completed				02/03/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				02/03/15	BC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	50	50	ug/Kg	02/04/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	50	50	ug/Kg	02/04/15	BB	SW8151	
2,4-D	ND	50	50	ug/Kg	02/04/15	BB	SW8151	
2,4-DB	ND	500	500	ug/Kg	02/04/15	BB	SW8151	
Dalapon	ND	50	50	ug/Kg	02/04/15	BB	SW8151	
Dicamba	ND	99	99	ug/Kg	02/04/15	BB	SW8151	
Dichloroprop	ND	50	50	ug/Kg	02/04/15	BB	SW8151	
Dinoseb	ND	99	99	ug/Kg	02/04/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	67			%	02/04/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	80	80	ug/Kg	02/04/15	AW	SW 8082	
PCB-1221	ND	80	80	ug/Kg	02/04/15	AW	SW 8082	
PCB-1232	ND	80	80	ug/Kg	02/04/15	AW	SW 8082	
PCB-1242	ND	80	80	ug/Kg	02/04/15	AW	SW 8082	
PCB-1248	ND	80	80	ug/Kg	02/04/15	AW	SW 8082	
PCB-1254	ND	80	80	ug/Kg	02/04/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 27 COMP

Phoenix I.D.: BH69807

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	80	80	ug/Kg	02/04/15	AW	SW 8082
PCB-1262	ND	80	80	ug/Kg	02/04/15	AW	SW 8082
PCB-1268	ND	80	80	ug/Kg	02/04/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	91			%	02/04/15	AW	30 - 150 %
% TCMX	89			%	02/04/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.4	2.4	ug/Kg	02/05/15	CE	SW8081
4,4' -DDE	ND	2.4	2.4	ug/Kg	02/05/15	CE	SW8081
4,4' -DDT	ND	2.4	2.4	ug/Kg	02/05/15	CE	SW8081
a-BHC	ND	8.0	8.0	ug/Kg	02/05/15	CE	SW8081
a-Chlordane	ND	4.0	4.0	ug/Kg	02/05/15	CE	SW8081
Aldrin	ND	4.0	4.0	ug/Kg	02/05/15	CE	SW8081
b-BHC	ND	8.0	8.0	ug/Kg	02/05/15	CE	SW8081
Chlordane	ND	40	40	ug/Kg	02/05/15	CE	SW8081
d-BHC	ND	8.0	8.0	ug/Kg	02/05/15	CE	SW8081
Dieldrin	ND	4.0	4.0	ug/Kg	02/05/15	CE	SW8081
Endosulfan I	ND	8.0	8.0	ug/Kg	02/05/15	CE	SW8081
Endosulfan II	ND	8.0	8.0	ug/Kg	02/05/15	CE	SW8081
Endosulfan sulfate	ND	8.0	8.0	ug/Kg	02/05/15	CE	SW8081
Endrin	ND	8.0	8.0	ug/Kg	02/05/15	CE	SW8081
Endrin aldehyde	ND	8.0	8.0	ug/Kg	02/05/15	CE	SW8081
Endrin ketone	ND	8.0	8.0	ug/Kg	02/05/15	CE	SW8081
g-BHC	ND	1.6	1.6	ug/Kg	02/05/15	CE	SW8081
g-Chlordane	ND	4.0	4.0	ug/Kg	02/05/15	CE	SW8081
Heptachlor	ND	8.0	8.0	ug/Kg	02/05/15	CE	SW8081
Heptachlor epoxide	ND	8.0	8.0	ug/Kg	02/05/15	CE	SW8081
Methoxychlor	ND	40	40	ug/Kg	02/05/15	CE	SW8081
Toxaphene	ND	160	160	ug/Kg	02/05/15	CE	SW8081
QA/QC Surrogates							
% DCBP	103			%	02/05/15	CE	30 - 150 %
% TCMX	93			%	02/05/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/05/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/05/15	BB	SW8151
QA/QC Surrogates							
% DCAA	82			%	02/05/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/05/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/05/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/05/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/05/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/05/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/05/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/05/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/05/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/05/15	CE	SW 8081

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 27 COMP

Phoenix I.D.: BH69807

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/05/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/05/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/05/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/05/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/05/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/05/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/05/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/05/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/05/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/05/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/05/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	104			%	02/05/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	92			%	02/05/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	60	60	mg/Kg	02/04/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	85			%	02/04/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/05/15	MH	SW8260
Benzene	ND	25	25	ug/L	02/05/15	MH	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/05/15	MH	SW8260
Chlorobenzene	ND	25	25	ug/L	02/05/15	MH	SW8260
Chloroform	ND	25	25	ug/L	02/05/15	MH	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/05/15	MH	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
Trichloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
Vinyl chloride	ND	25	25	ug/L	02/05/15	MH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	98			%	02/05/15	MH	70 - 130 %
% Bromofluorobenzene	97			%	02/05/15	MH	70 - 130 %
% Dibromofluoromethane	98			%	02/05/15	MH	70 - 130 %
% Toluene-d8	100			%	02/05/15	MH	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	270	120	ug/Kg	02/04/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	270	140	ug/Kg	02/04/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	390	390	ug/Kg	02/04/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	270	180	ug/Kg	02/04/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	270	210	ug/Kg	02/04/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	160	120	ug/Kg	02/04/15	DD	SW 8270
2,4-Dichlorophenol	ND	160	140	ug/Kg	02/04/15	DD	SW 8270
2,4-Dimethylphenol	ND	270	97	ug/Kg	02/04/15	DD	SW 8270
2,4-Dinitrophenol	ND	270	270	ug/Kg	02/04/15	DD	SW 8270
2,4-Dinitrotoluene	ND	160	150	ug/Kg	02/04/15	DD	SW 8270
2,6-Dinitrotoluene	ND	160	120	ug/Kg	02/04/15	DD	SW 8270
2-Chloronaphthalene	ND	270	110	ug/Kg	02/04/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 27 COMP

Phoenix I.D.: BH69807

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		270	110	ug/Kg	02/04/15	DD	SW 8270	
2-Methylnaphthalene	ND		270	120	ug/Kg	02/04/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		270	180	ug/Kg	02/04/15	DD	SW 8270	
2-Nitroaniline	ND		2000	390	ug/Kg	02/04/15	DD	SW 8270	
2-Nitrophenol	ND		270	250	ug/Kg	02/04/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		270	150	ug/Kg	02/04/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		160	180	ug/Kg	02/04/15	DD	SW 8270	
3-Nitroaniline	ND		2000	850	ug/Kg	02/04/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		270	420	ug/Kg	02/04/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		270	110	ug/Kg	02/04/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		270	140	ug/Kg	02/04/15	DD	SW 8270	
4-Chloroaniline	ND		780	180	ug/Kg	02/04/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		270	130	ug/Kg	02/04/15	DD	SW 8270	
4-Nitroaniline	ND		2000	130	ug/Kg	02/04/15	DD	SW 8270	
4-Nitrophenol	ND		2000	180	ug/Kg	02/04/15	DD	SW 8270	
Acenaphthene	ND		270	120	ug/Kg	02/04/15	DD	SW 8270	
Acenaphthylene	ND		160	110	ug/Kg	02/04/15	DD	SW 8270	
Acetophenone	ND		270	120	ug/Kg	02/04/15	DD	SW 8270	
Anthracene	ND		270	130	ug/Kg	02/04/15	DD	SW 8270	
Atrazine	ND		160	170	ug/Kg	02/04/15	DD	SW 8270	
Benz(a)anthracene	ND		270	130	ug/Kg	02/04/15	DD	SW 8270	
Benzaldehyde	ND		270	120	ug/Kg	02/04/15	DD	SW 8270	
Benzidine	ND		590	590	ug/Kg	02/04/15	DD	SW 8270	
Benzo(a)pyrene	ND		160	130	ug/Kg	02/04/15	DD	SW 8270	
Benzo(b)fluoranthene	140	J	270	130	ug/Kg	02/04/15	DD	SW 8270	
Benzo(ghi)perylene	ND		270	130	ug/Kg	02/04/15	DD	SW 8270	
Benzo(k)fluoranthene	ND		270	130	ug/Kg	02/04/15	DD	SW 8270	
Benzyl Alcohol	ND		390	390	ug/Kg	02/04/15	DD	SW 8270	
Benzyl butyl phthalate	ND		270	100	ug/Kg	02/04/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		270	110	ug/Kg	02/04/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		160	110	ug/Kg	02/04/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		270	110	ug/Kg	02/04/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		270	110	ug/Kg	02/04/15	DD	SW 8270	
Caprolactam	ND		270	700	ug/Kg	02/04/15	DD	SW 8270	
Carbazole	ND		2000	300	ug/Kg	02/04/15	DD	SW 8270	
Chrysene	130	J	270	130	ug/Kg	02/04/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		160	130	ug/Kg	02/04/15	DD	SW 8270	
Dibenzofuran	ND		270	110	ug/Kg	02/04/15	DD	SW 8270	
Diethyl phthalate	ND		270	120	ug/Kg	02/04/15	DD	SW 8270	
Dimethylphthalate	ND		270	120	ug/Kg	02/04/15	DD	SW 8270	
Di-n-butylphthalate	ND		270	100	ug/Kg	02/04/15	DD	SW 8270	
Di-n-octylphthalate	ND		270	100	ug/Kg	02/04/15	DD	SW 8270	
Fluoranthene	170	J	270	130	ug/Kg	02/04/15	DD	SW 8270	
Fluorene	ND		270	130	ug/Kg	02/04/15	DD	SW 8270	
Hexachlorobenzene	ND		160	110	ug/Kg	02/04/15	DD	SW 8270	
Hexachlorobutadiene	ND		270	140	ug/Kg	02/04/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		270	120	ug/Kg	02/04/15	DD	SW 8270	
Hexachloroethane	ND		160	120	ug/Kg	02/04/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND		270	130	ug/Kg	02/04/15	DD	SW 8270	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND		160	110	ug/Kg	02/04/15	DD	SW 8270	
Naphthalene	ND		270	110	ug/Kg	02/04/15	DD	SW 8270	
Nitrobenzene	ND		160	140	ug/Kg	02/04/15	DD	SW 8270	
N-Nitrosodimethylamine	ND		270	110	ug/Kg	02/04/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		160	130	ug/Kg	02/04/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND		160	150	ug/Kg	02/04/15	DD	SW 8270	
Pentachlorophenol	ND		270	150	ug/Kg	02/04/15	DD	SW 8270	
Phenanthrene	170		160	110	ug/Kg	02/04/15	DD	SW 8270	
Phenol	ND		270	120	ug/Kg	02/04/15	DD	SW 8270	
Pyrene	170	J	270	130	ug/Kg	02/04/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	92				%	02/04/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	75				%	02/04/15	DD	30 - 130 %	
% 2-Fluorophenol	69				%	02/04/15	DD	30 - 130 %	
% Nitrobenzene-d5	74				%	02/04/15	DD	30 - 130 %	
% Phenol-d5	78				%	02/04/15	DD	30 - 130 %	
% Terphenyl-d14	66				%	02/04/15	DD	30 - 130 %	

TCLP Acid/Base-Neutral

1,4-Dichlorobenzene	ND		83	83	ug/L	02/05/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND		83	83	ug/L	02/05/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND		83	83	ug/L	02/05/15	DD	SW 8270	
2,4-Dinitrotoluene	ND		83	83	ug/L	02/05/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		83	83	ug/L	02/05/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND		83	83	ug/L	02/05/15	DD	SW 8270	
Hexachlorobenzene	ND		83	83	ug/L	02/05/15	DD	SW 8270	
Hexachlorobutadiene	ND		83	83	ug/L	02/05/15	DD	SW 8270	
Hexachloroethane	ND		83	83	ug/L	02/05/15	DD	SW 8270	
Nitrobenzene	ND		83	83	ug/L	02/05/15	DD	SW 8270	
Pentachlorophenol	ND		83	83	ug/L	02/05/15	DD	SW 8270	
Pyridine	ND		83	83	ug/L	02/05/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	98				%	02/05/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	70				%	02/05/15	DD	30 - 130 %	
% 2-Fluorophenol	55				%	02/05/15	DD	15 - 110 %	
% Nitrobenzene-d5	86				%	02/05/15	DD	30 - 130 %	
% Phenol-d5	48				%	02/05/15	DD	15 - 110 %	
% Terphenyl-d14	79				%	02/05/15	DD	30 - 130 %	
Aniline	ND		330		ug/Kg	02/05/15	DD	SW8270	
Benzoic Acid	ND		330		ug/Kg	02/05/15	DD	SW8270	1
Parathion	ND		390	160	ug/Kg	02/04/15	DD	SW8270	1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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 11, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 11, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/03/15	9:00
Location Code:	IMPACT	Received by:	SW	02/03/15	18:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	7336				

Laboratory Data

SDG ID: GBH69802
Phoenix ID: BH69808

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 29 2-3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/03/15	I	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	270	53	ug/Kg	02/04/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	270	53	ug/Kg	02/04/15	JLI	SW8260
1,3-Dichlorobenzene	ND	270	53	ug/Kg	02/04/15	JLI	SW8260
Naphthalene	ND	270	71	ug/Kg	02/04/15	JLI	SW8260
n-Butylbenzene	ND	270	53	ug/Kg	02/04/15	JLI	SW8260
n-Propylbenzene	ND	270	53	ug/Kg	02/04/15	JLI	SW8260
p-Isopropyltoluene	ND	270	53	ug/Kg	02/04/15	JLI	SW8260
sec-Butylbenzene	ND	270	53	ug/Kg	02/04/15	JLI	SW8260
tert-Butylbenzene	ND	270	53	ug/Kg	02/04/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	95			%	02/04/15	JLI	SW8260
% Bromofluorobenzene	72			%	02/04/15	JLI	SW8260
% Dibromofluoromethane	104			%	02/04/15	JLI	SW8260
% Toluene-d8	79			%	02/04/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	100	100	ug/kg	02/04/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.7	1.1	ug/Kg	02/04/15	JLI	SW8260
1,1,1-Trichloroethane	ND	5.7	1.1	ug/Kg	02/04/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.7	0.81	ug/Kg	02/04/15	JLI	SW8260
1,1,2-Trichloroethane	ND	5.7	0.56	ug/Kg	02/04/15	JLI	SW8260
1,1-Dichloroethane	ND	5.7	1.1	ug/Kg	02/04/15	JLI	SW8260
1,1-Dichloroethene	ND	5.7	1.2	ug/Kg	02/04/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 29 2-3

Phoenix I.D.: BH69808

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		270	36	ug/Kg	02/04/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		270	31	ug/Kg	02/04/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		80	71	ug/Kg	02/04/15	JLI	SW8260
1,2-Dibromoethane	ND		5.7	1.5	ug/Kg	02/04/15	JLI	SW8260
1,2-Dichlorobenzene	ND		270	29	ug/Kg	02/04/15	JLI	SW8260
1,2-Dichloroethane	ND		5.7	0.50	ug/Kg	02/04/15	JLI	SW8260
1,2-Dichloropropane	ND		5.7	0.81	ug/Kg	02/04/15	JLI	SW8260
1,3-Dichlorobenzene	ND		270	39	ug/Kg	02/04/15	JLI	SW8260
1,4-Dichlorobenzene	ND		270	42	ug/Kg	02/04/15	JLI	SW8260
2-Hexanone	ND		29	2.6	ug/Kg	02/04/15	JLI	SW8260
4-Methyl-2-pentanone	ND		29	1.4	ug/Kg	02/04/15	JLI	SW8260
Acetone	ND		50	5.7	ug/Kg	02/04/15	JLI	SW8260
Acrolein	ND		29	4.6	ug/Kg	02/04/15	JLI	SW8260
Acrylonitrile	ND		11	3.2	ug/Kg	02/04/15	JLI	SW8260
Benzene	ND		5.7	1.1	ug/Kg	02/04/15	JLI	SW8260
Bromochloromethane	ND		5.7	0.83	ug/Kg	02/04/15	JLI	SW8260
Bromodichloromethane	ND		5.7	0.71	ug/Kg	02/04/15	JLI	SW8260
Bromoform	ND		5.7	0.80	ug/Kg	02/04/15	JLI	SW8260
Bromomethane	ND		5.7	4.4	ug/Kg	02/04/15	JLI	SW8260
Carbon Disulfide	ND		5.7	0.92	ug/Kg	02/04/15	JLI	SW8260
Carbon tetrachloride	ND		5.7	0.66	ug/Kg	02/04/15	JLI	SW8260
Chlorobenzene	ND		5.7	0.84	ug/Kg	02/04/15	JLI	SW8260
Chloroethane	ND		5.7	1.3	ug/Kg	02/04/15	JLI	SW8260
Chloroform	ND		5.7	1.0	ug/Kg	02/04/15	JLI	SW8260
Chloromethane	ND		5.7	3.0	ug/Kg	02/04/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		5.7	1.2	ug/Kg	02/04/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		5.7	0.62	ug/Kg	02/04/15	JLI	SW8260
Cyclohexane	ND		5.7	5.7	ug/Kg	02/04/15	JLI	SW8260
Dibromochloromethane	ND		5.7	0.64	ug/Kg	02/04/15	JLI	SW8260
Dichlorodifluoromethane	ND		5.7	1.5	ug/Kg	02/04/15	JLI	SW8260
Ethylbenzene	ND		5.7	1.0	ug/Kg	02/04/15	JLI	SW8260
Isopropylbenzene	ND		270	51	ug/Kg	02/04/15	JLI	SW8260
m&p-Xylene	ND		5.7	2.2	ug/Kg	02/04/15	JLI	SW8260
Methyl ethyl ketone	ND		34	4.9	ug/Kg	02/04/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		11	1.6	ug/Kg	02/04/15	JLI	SW8260
Methylacetate	ND		5.7	5.7	ug/Kg	02/04/15	JLI	SW8260
Methylcyclohexane	ND		5.7	5.7	ug/Kg	02/04/15	JLI	SW8260
Methylene chloride	2.7	JS	5.7	0.93	ug/Kg	02/04/15	JLI	SW8260
o-Xylene	ND		5.7	2.2	ug/Kg	02/04/15	JLI	SW8260
Styrene	ND		5.7	1.6	ug/Kg	02/04/15	JLI	SW8260
tert-butyl alcohol	ND		110	110	ug/Kg	02/04/15	JLI	SW8260
Tetrachloroethene	ND		5.7	1.2	ug/Kg	02/04/15	JLI	SW8260
Toluene	ND		5.7	0.90	ug/Kg	02/04/15	JLI	SW8260
Total Xylenes	ND		5.7	5.7	ug/Kg	02/04/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		5.7	1.1	ug/Kg	02/04/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		5.7	1.2	ug/Kg	02/04/15	JLI	SW8260
Trichloroethene	ND		5.7	1.2	ug/Kg	02/04/15	JLI	SW8260
Trichlorofluoromethane	ND		5.7	1.3	ug/Kg	02/04/15	JLI	SW8260
Trichlorotrifluoroethane	ND		5.7	0.89	ug/Kg	02/04/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 29 2-3

Phoenix I.D.: BH69808

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	5.7	1.8	ug/Kg	02/04/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	95			%	02/04/15	JLI	70 - 130 %	
% Bromofluorobenzene	95			%	02/04/15	JLI	70 - 130 %	
% Dibromofluoromethane	103			%	02/04/15	JLI	70 - 130 %	
% Toluene-d8	79			%	02/04/15	JLI	70 - 130 %	
Vinyl Acetate	ND	57	57	ug/Kg	02/04/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
February 11, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 11, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/03/15	9:00
Location Code:	IMPACT	Received by:	SW	02/03/15	18:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	7336				

Laboratory Data

SDG ID: GBH69802
Phoenix ID: BH69809

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 29 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	0.63	0.41	0.41	mg/Kg	02/04/15	LK	SW6010	
Aluminum	3360	61	8.2	mg/Kg	02/04/15	LK	SW6010	B
Arsenic	10.9	0.8	0.82	mg/Kg	02/04/15	LK	SW6010	
Barium	254	0.41	0.41	mg/Kg	02/04/15	LK	SW6010	
Beryllium	< 0.33	0.33	0.16	mg/Kg	02/04/15	LK	SW6010	
Calcium	7740	6.1	3.8	mg/Kg	02/04/15	LK	SW6010	B
Cadmium	2.21	0.41	0.16	mg/Kg	02/04/15	LK	SW6010	
Cobalt	34.8	0.41	0.41	mg/Kg	02/04/15	LK	SW6010	
Chromium	287	4.1	4.1	mg/Kg	02/04/15	LK	SW6010	
Copper	2930	41	41	mg/kg	02/04/15	LK	SW6010	
Iron	96000	61	41	mg/Kg	02/04/15	LK	SW6010	B
Mercury	0.10	0.03	0.02	mg/Kg	02/04/15	RS	SW-7471	
Potassium	355	6.1	3.2	mg/Kg	02/04/15	LK	SW6010	
Magnesium	1410	6.1	4.1	mg/Kg	02/04/15	LK	SW6010	B
Manganese	570	4.1	4.1	mg/Kg	02/04/15	LK	SW6010	B
Sodium	448	6.1	3.5	mg/Kg	02/04/15	LK	SW6010	
Nickel	151	0.41	0.41	mg/Kg	02/04/15	LK	SW6010	
Lead	505	4.1	4.1	mg/Kg	02/04/15	LK	SW6010	
Antimony	15.5	4.1	2.0	mg/Kg	02/04/15	LK	SW6010	
Selenium	< 1.6	1.6	1.4	mg/Kg	02/04/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/05/15	LK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/05/15	LK	SW6010	
TCLP Barium	0.30	0.10	0.010	mg/L	02/05/15	LK	SW6010	
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/05/15	LK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/05/15	LK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/05/15	RS	SW7470	
TCLP Lead	0.45	0.10	0.010	mg/L	02/05/15	LK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/05/15	LK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 29 COMP

Phoenix I.D.: BH69809

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.7	3.7	1.6	mg/Kg	02/04/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/05/15	I/I	SW3005	
Trivalent Chromium	287	0.50		mg/kg	02/05/15	CL	Calculation	
Vanadium	31.3	0.41	0.41	mg/Kg	02/04/15	LK	SW6010	
Zinc	1030	4.1	4.1	mg/Kg	02/04/15	LK	SW6010	
Percent Solid	85			%	02/03/15	I	SW846	
Corrosivity	Negative			Pos/Neg	02/03/15	O/EG	SW846	1
Flash Point	>200	200		degree F	02/04/15	Y	SW1010	
Chromium, Hexavalent	< 0.45	0.45	0.45	mg/Kg	02/05/15 13:03	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/04/15	Y	SW846	1
pH - Soil	8.14	0.10		pH Units	02/03/15 21:30	O/EG	4500-H B/9045	1
Reactivity Cyanide	< 5.7	5.7	0.029	mg/Kg	02/03/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/04/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/04/15	EG	SW 846-7.3	1
Redox Potential	186	1.0		mV	02/03/15	O/EG	SM2580B	1
Total Cyanide	1.32	0.59	0.29	mg/Kg	02/04/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				02/03/15	BC/H	SW3545	
Soil Extraction for Pesticide	Completed				02/03/15	BC	SW3545	
Soil Extraction for SVOA	Completed				02/03/15	JJ/VH	SW3545	
Mercury Digestion	Completed				02/04/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/03/15	P/D	SW8151	
TCLP Digestion Mercury	Completed				02/05/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/04/15	F/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				02/03/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				02/03/15	I	1311	
TCLP Pesticides Extraction	Completed				02/04/15	T	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/04/15	L	SW3510	
TCLP Extraction Volatiles	Completed				02/03/15	Y	EPA 1311	
Total Metals Digest	Completed				02/03/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				02/03/15	BC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	49	49	ug/Kg	02/04/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	49	49	ug/Kg	02/04/15	BB	SW8151	
2,4-D	ND	49	49	ug/Kg	02/04/15	BB	SW8151	
2,4-DB	ND	490	490	ug/Kg	02/04/15	BB	SW8151	
Dalapon	ND	49	49	ug/Kg	02/04/15	BB	SW8151	
Dicamba	ND	97	97	ug/Kg	02/04/15	BB	SW8151	
Dichloroprop	ND	49	49	ug/Kg	02/04/15	BB	SW8151	
Dinoseb	ND	97	97	ug/Kg	02/04/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	74			%	02/04/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	78	78	ug/Kg	02/04/15	AW	SW 8082	
PCB-1221	ND	78	78	ug/Kg	02/04/15	AW	SW 8082	
PCB-1232	ND	78	78	ug/Kg	02/04/15	AW	SW 8082	
PCB-1242	ND	78	78	ug/Kg	02/04/15	AW	SW 8082	
PCB-1248	ND	78	78	ug/Kg	02/04/15	AW	SW 8082	
PCB-1254	ND	78	78	ug/Kg	02/04/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 29 COMP

Phoenix I.D.: BH69809

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	430	78	78	ug/Kg	02/04/15	AW	SW 8082
PCB-1262	ND	78	78	ug/Kg	02/04/15	AW	SW 8082
PCB-1268	ND	78	78	ug/Kg	02/04/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	89			%	02/04/15	AW	30 - 150 %
% TCMX	79			%	02/04/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	12	12	ug/Kg	02/05/15	CE	SW8081
4,4' -DDE	ND	12	12	ug/Kg	02/05/15	CE	SW8081
4,4' -DDT	ND	12	12	ug/Kg	02/05/15	CE	SW8081
a-BHC	ND	38	38	ug/Kg	02/05/15	CE	SW8081
a-Chlordane	ND	19	19	ug/Kg	02/05/15	CE	SW8081
Aldrin	ND	19	19	ug/Kg	02/05/15	CE	SW8081
b-BHC	ND	38	38	ug/Kg	02/05/15	CE	SW8081
Chlordane	ND	190	190	ug/Kg	02/05/15	CE	SW8081
d-BHC	ND	38	38	ug/Kg	02/05/15	CE	SW8081
Dieldrin	ND	19	19	ug/Kg	02/05/15	CE	SW8081
Endosulfan I	ND	38	38	ug/Kg	02/05/15	CE	SW8081
Endosulfan II	ND	38	38	ug/Kg	02/05/15	CE	SW8081
Endosulfan sulfate	ND	38	38	ug/Kg	02/05/15	CE	SW8081
Endrin	ND	38	38	ug/Kg	02/05/15	CE	SW8081
Endrin aldehyde	ND	38	38	ug/Kg	02/05/15	CE	SW8081
Endrin ketone	ND	38	38	ug/Kg	02/05/15	CE	SW8081
g-BHC	ND	7.7	7.7	ug/Kg	02/05/15	CE	SW8081
g-Chlordane	ND	19	19	ug/Kg	02/05/15	CE	SW8081
Heptachlor	ND	38	38	ug/Kg	02/05/15	CE	SW8081
Heptachlor epoxide	ND	38	38	ug/Kg	02/05/15	CE	SW8081
Methoxychlor	ND	190	190	ug/Kg	02/05/15	CE	SW8081
Toxaphene	ND	770	770	ug/Kg	02/05/15	CE	SW8081
QA/QC Surrogates							
% DCBP	61			%	02/05/15	CE	30 - 150 %
% TCMX	84			%	02/05/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/05/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/05/15	BB	SW8151
QA/QC Surrogates							
% DCAA	84			%	02/05/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/05/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/05/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/05/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/05/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/05/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/05/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/05/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/05/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/05/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/05/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/05/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/05/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/05/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/05/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/05/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/05/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/05/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/05/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/05/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/05/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	97			%	02/05/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	87			%	02/05/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	660	59	59	mg/Kg	02/04/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	93			%	02/04/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/05/15	MH	SW8260
Benzene	ND	25	25	ug/L	02/05/15	MH	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/05/15	MH	SW8260
Chlorobenzene	ND	25	25	ug/L	02/05/15	MH	SW8260
Chloroform	ND	25	25	ug/L	02/05/15	MH	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/05/15	MH	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
Trichloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
Vinyl chloride	ND	25	25	ug/L	02/05/15	MH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	98			%	02/05/15	MH	70 - 130 %
% Bromofluorobenzene	98			%	02/05/15	MH	70 - 130 %
% Dibromofluoromethane	95			%	02/05/15	MH	70 - 130 %
% Toluene-d8	99			%	02/05/15	MH	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	270	120	ug/Kg	02/04/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	270	140	ug/Kg	02/04/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	380	380	ug/Kg	02/04/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	270	180	ug/Kg	02/04/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	270	210	ug/Kg	02/04/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	02/04/15	DD	SW 8270
2,4-Dichlorophenol	ND	150	140	ug/Kg	02/04/15	DD	SW 8270
2,4-Dimethylphenol	ND	270	95	ug/Kg	02/04/15	DD	SW 8270
2,4-Dinitrophenol	ND	270	270	ug/Kg	02/04/15	DD	SW 8270
2,4-Dinitrotoluene	ND	150	150	ug/Kg	02/04/15	DD	SW 8270
2,6-Dinitrotoluene	ND	150	120	ug/Kg	02/04/15	DD	SW 8270
2-Chloronaphthalene	ND	270	110	ug/Kg	02/04/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 29 COMP

Phoenix I.D.: BH69809

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		270	110	ug/Kg	02/04/15	DD	SW 8270	
2-Methylnaphthalene	200	J	270	110	ug/Kg	02/04/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		270	180	ug/Kg	02/04/15	DD	SW 8270	
2-Nitroaniline	ND		1900	390	ug/Kg	02/04/15	DD	SW 8270	
2-Nitrophenol	ND		270	240	ug/Kg	02/04/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		270	150	ug/Kg	02/04/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		150	180	ug/Kg	02/04/15	DD	SW 8270	
3-Nitroaniline	ND		1900	840	ug/Kg	02/04/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		270	410	ug/Kg	02/04/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		270	110	ug/Kg	02/04/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		270	140	ug/Kg	02/04/15	DD	SW 8270	
4-Chloroaniline	ND		770	180	ug/Kg	02/04/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		270	130	ug/Kg	02/04/15	DD	SW 8270	
4-Nitroaniline	ND		1900	130	ug/Kg	02/04/15	DD	SW 8270	
4-Nitrophenol	ND		1900	170	ug/Kg	02/04/15	DD	SW 8270	
Acenaphthene	ND		270	120	ug/Kg	02/04/15	DD	SW 8270	
Acenaphthylene	ND		150	110	ug/Kg	02/04/15	DD	SW 8270	
Acetophenone	ND		270	120	ug/Kg	02/04/15	DD	SW 8270	
Anthracene	310		270	130	ug/Kg	02/04/15	DD	SW 8270	
Atrazine	ND		150	170	ug/Kg	02/04/15	DD	SW 8270	
Benz(a)anthracene	990		270	130	ug/Kg	02/04/15	DD	SW 8270	
Benzaldehyde	ND		270	110	ug/Kg	02/04/15	DD	SW 8270	
Benzidine	ND		580	580	ug/Kg	02/04/15	DD	SW 8270	
Benzo(a)pyrene	990		150	130	ug/Kg	02/04/15	DD	SW 8270	
Benzo(b)fluoranthene	1300		270	130	ug/Kg	02/04/15	DD	SW 8270	
Benzo(ghi)perylene	390		270	120	ug/Kg	02/04/15	DD	SW 8270	
Benzo(k)fluoranthene	540		270	130	ug/Kg	02/04/15	DD	SW 8270	
Benzyl Alcohol	ND		380	380	ug/Kg	02/04/15	DD	SW 8270	
Benzyl butyl phthalate	ND		270	99	ug/Kg	02/04/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		270	110	ug/Kg	02/04/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		150	100	ug/Kg	02/04/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		270	110	ug/Kg	02/04/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		270	110	ug/Kg	02/04/15	DD	SW 8270	
Caprolactam	ND		270	690	ug/Kg	02/04/15	DD	SW 8270	
Carbazole	ND		1900	290	ug/Kg	02/04/15	DD	SW 8270	
Chrysene	1100		270	130	ug/Kg	02/04/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		150	120	ug/Kg	02/04/15	DD	SW 8270	
Dibenzofuran	ND		270	110	ug/Kg	02/04/15	DD	SW 8270	
Diethyl phthalate	ND		270	120	ug/Kg	02/04/15	DD	SW 8270	
Dimethylphthalate	ND		270	120	ug/Kg	02/04/15	DD	SW 8270	
Di-n-butylphthalate	130	J	270	100	ug/Kg	02/04/15	DD	SW 8270	
Di-n-octylphthalate	ND		270	99	ug/Kg	02/04/15	DD	SW 8270	
Fluoranthene	1400		270	120	ug/Kg	02/04/15	DD	SW 8270	
Fluorene	ND		270	130	ug/Kg	02/04/15	DD	SW 8270	
Hexachlorobenzene	ND		150	110	ug/Kg	02/04/15	DD	SW 8270	
Hexachlorobutadiene	ND		270	140	ug/Kg	02/04/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		270	120	ug/Kg	02/04/15	DD	SW 8270	
Hexachloroethane	ND		150	120	ug/Kg	02/04/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	400		270	130	ug/Kg	02/04/15	DD	SW 8270	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 29 COMP

Phoenix I.D.: BH69809

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND		150	110	ug/Kg	02/04/15	DD	SW 8270	
Naphthalene	240	J	270	110	ug/Kg	02/04/15	DD	SW 8270	
Nitrobenzene	ND		150	130	ug/Kg	02/04/15	DD	SW 8270	
N-Nitrosodimethylamine	ND		270	110	ug/Kg	02/04/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		150	120	ug/Kg	02/04/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND		150	150	ug/Kg	02/04/15	DD	SW 8270	
Pentachlorophenol	ND		270	150	ug/Kg	02/04/15	DD	SW 8270	
Phenanthrene	1300		150	110	ug/Kg	02/04/15	DD	SW 8270	
Phenol	ND		270	120	ug/Kg	02/04/15	DD	SW 8270	
Pyrene	1200		270	130	ug/Kg	02/04/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	90				%	02/04/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	79				%	02/04/15	DD	30 - 130 %	
% 2-Fluorophenol	73				%	02/04/15	DD	30 - 130 %	
% Nitrobenzene-d5	79				%	02/04/15	DD	30 - 130 %	
% Phenol-d5	79				%	02/04/15	DD	30 - 130 %	
% Terphenyl-d14	73				%	02/04/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral									
1,4-Dichlorobenzene	ND		83	83	ug/L	02/05/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND		83	83	ug/L	02/05/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND		83	83	ug/L	02/05/15	DD	SW 8270	
2,4-Dinitrotoluene	ND		83	83	ug/L	02/05/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		83	83	ug/L	02/05/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND		83	83	ug/L	02/05/15	DD	SW 8270	
Hexachlorobenzene	ND		83	83	ug/L	02/05/15	DD	SW 8270	
Hexachlorobutadiene	ND		83	83	ug/L	02/05/15	DD	SW 8270	
Hexachloroethane	ND		83	83	ug/L	02/05/15	DD	SW 8270	
Nitrobenzene	ND		83	83	ug/L	02/05/15	DD	SW 8270	
Pentachlorophenol	ND		83	83	ug/L	02/05/15	DD	SW 8270	
Pyridine	ND		83	83	ug/L	02/05/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	98				%	02/05/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	72				%	02/05/15	DD	30 - 130 %	
% 2-Fluorophenol	58				%	02/05/15	DD	15 - 110 %	
% Nitrobenzene-d5	91				%	02/05/15	DD	30 - 130 %	
% Phenol-d5	51				%	02/05/15	DD	15 - 110 %	
% Terphenyl-d14	80				%	02/05/15	DD	30 - 130 %	
Aniline	ND		330		ug/Kg	02/05/15	DD	SW8270	
Benzoic Acid	ND		330		ug/Kg	02/05/15	DD	SW8270	1
Parathion	ND		380	150	ug/Kg	02/04/15	DD	SW8270	1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Pesticide Comment:
Due to matrix interference caused by the presence of PCBs in the sample, an elevated RL was reported.

Hexavalent Chromium:
This sample is in a reducing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
February 11, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 11, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/03/15	9:10
Location Code:	IMPACT	Received by:	SW	02/03/15	18:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	7336				

Laboratory Data

SDG ID: GBH69802
Phoenix ID: BH69810

Project ID: SW MARINE TRANSFER STATION
Client ID: DUP WC 29 2-3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/03/15	I	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	270	54	ug/Kg	02/04/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	270	54	ug/Kg	02/04/15	JLI	SW8260
1,3-Dichlorobenzene	ND	270	54	ug/Kg	02/04/15	JLI	SW8260
Naphthalene	ND	270	72	ug/Kg	02/04/15	JLI	SW8260
n-Butylbenzene	ND	270	54	ug/Kg	02/04/15	JLI	SW8260
n-Propylbenzene	ND	270	54	ug/Kg	02/04/15	JLI	SW8260
p-Isopropyltoluene	ND	270	54	ug/Kg	02/04/15	JLI	SW8260
sec-Butylbenzene	ND	270	54	ug/Kg	02/04/15	JLI	SW8260
tert-Butylbenzene	ND	270	54	ug/Kg	02/04/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	97			%	02/04/15	JLI	SW8260
% Bromofluorobenzene	81			%	02/05/15	JLI	SW8260
% Dibromofluoromethane	106			%	02/05/15	JLI	SW8260
% Toluene-d8	87			%	02/05/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	99	99	ug/kg	02/05/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.0	0.99	ug/Kg	02/05/15	JLI	SW8260
1,1,1-Trichloroethane	ND	5.0	0.99	ug/Kg	02/05/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.0	0.70	ug/Kg	02/05/15	JLI	SW8260
1,1,2-Trichloroethane	ND	5.0	0.49	ug/Kg	02/05/15	JLI	SW8260
1,1-Dichloroethane	ND	5.0	0.98	ug/Kg	02/05/15	JLI	SW8260
1,1-Dichloroethene	ND	5.0	1.1	ug/Kg	02/05/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: DUP WC 29 2-3

Phoenix I.D.: BH69810

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		5.0	0.66	ug/Kg	02/05/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		5.0	0.58	ug/Kg	02/05/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		5.0	1.3	ug/Kg	02/05/15	JLI	SW8260
1,2-Dibromoethane	ND		5.0	1.3	ug/Kg	02/05/15	JLI	SW8260
1,2-Dichlorobenzene	ND		5.0	0.54	ug/Kg	02/05/15	JLI	SW8260
1,2-Dichloroethane	ND		5.0	0.44	ug/Kg	02/05/15	JLI	SW8260
1,2-Dichloropropane	ND		5.0	0.70	ug/Kg	02/05/15	JLI	SW8260
1,3-Dichlorobenzene	ND		5.0	0.73	ug/Kg	02/05/15	JLI	SW8260
1,4-Dichlorobenzene	ND		5.0	0.78	ug/Kg	02/05/15	JLI	SW8260
2-Hexanone	ND		25	2.2	ug/Kg	02/05/15	JLI	SW8260
4-Methyl-2-pentanone	ND		25	1.2	ug/Kg	02/05/15	JLI	SW8260
Acetone	ND		50	4.9	ug/Kg	02/05/15	JLI	SW8260
Acrolein	ND		25	4.0	ug/Kg	02/05/15	JLI	SW8260
Acrylonitrile	ND		9.9	2.8	ug/Kg	02/05/15	JLI	SW8260
Benzene	6.6		5.0	0.98	ug/Kg	02/05/15	JLI	SW8260
Bromochloromethane	ND		5.0	0.72	ug/Kg	02/05/15	JLI	SW8260
Bromodichloromethane	ND		5.0	0.61	ug/Kg	02/05/15	JLI	SW8260
Bromoform	ND		5.0	0.69	ug/Kg	02/05/15	JLI	SW8260
Bromomethane	ND		5.0	3.8	ug/Kg	02/05/15	JLI	SW8260
Carbon Disulfide	ND		5.0	0.80	ug/Kg	02/05/15	JLI	SW8260
Carbon tetrachloride	ND		5.0	0.57	ug/Kg	02/05/15	JLI	SW8260
Chlorobenzene	ND		5.0	0.73	ug/Kg	02/05/15	JLI	SW8260
Chloroethane	ND		5.0	1.2	ug/Kg	02/05/15	JLI	SW8260
Chloroform	ND		5.0	0.90	ug/Kg	02/05/15	JLI	SW8260
Chloromethane	ND		5.0	2.6	ug/Kg	02/05/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		5.0	1.1	ug/Kg	02/05/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		5.0	0.53	ug/Kg	02/05/15	JLI	SW8260
Cyclohexane	ND		5.0	5.0	ug/Kg	02/05/15	JLI	SW8260
Dibromochloromethane	ND		5.0	0.55	ug/Kg	02/05/15	JLI	SW8260
Dichlorodifluoromethane	ND		5.0	1.3	ug/Kg	02/05/15	JLI	SW8260
Ethylbenzene	ND		5.0	0.90	ug/Kg	02/05/15	JLI	SW8260
Isopropylbenzene	+++IND		5.0	0.95	ug/Kg	02/05/15	JLI	SW8260
m&p-Xylene	ND		5.0	2.0	ug/Kg	02/05/15	JLI	SW8260
Methyl ethyl ketone	ND		30	4.3	ug/Kg	02/05/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		9.9	1.4	ug/Kg	02/05/15	JLI	SW8260
Methylacetate	ND		5.0	5.0	ug/Kg	02/05/15	JLI	SW8260
Methylcyclohexane	ND		5.0	5.0	ug/Kg	02/05/15	JLI	SW8260
Methylene chloride	2.6	JS	5.0	0.81	ug/Kg	02/05/15	JLI	SW8260
o-Xylene	ND		5.0	1.9	ug/Kg	02/05/15	JLI	SW8260
Styrene	ND		5.0	1.4	ug/Kg	02/05/15	JLI	SW8260
tert-butyl alcohol	ND		99	99	ug/Kg	02/05/15	JLI	SW8260
Tetrachloroethene	ND		5.0	1.0	ug/Kg	02/05/15	JLI	SW8260
Toluene	2.6	J	5.0	0.78	ug/Kg	02/05/15	JLI	SW8260
Total Xylenes	ND		5.0	5.0	ug/Kg	02/05/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		5.0	0.99	ug/Kg	02/05/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		5.0	1.0	ug/Kg	02/05/15	JLI	SW8260
Trichloroethene	ND		5.0	1.0	ug/Kg	02/05/15	JLI	SW8260
Trichlorofluoromethane	ND		5.0	1.1	ug/Kg	02/05/15	JLI	SW8260
Trichlorotrifluoroethane	ND		5.0	0.77	ug/Kg	02/05/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: DUP WC 29 2-3

Phoenix I.D.: BH69810

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	5.0	1.6	ug/Kg	02/05/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	126			%	02/05/15	JLI	70 - 130 %	
% Bromofluorobenzene	78			%	02/05/15	JLI	70 - 130 %	
% Dibromofluoromethane	106			%	02/05/15	JLI	70 - 130 %	
% Toluene-d8	87			%	02/05/15	JLI	70 - 130 %	
Vinyl Acetate	ND	50	50	ug/Kg	02/05/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
February 11, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 11, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/03/15	9:10
Location Code:	IMPACT	Received by:	SW	02/03/15	18:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	7336				

Laboratory Data

SDG ID: GBH69802
Phoenix ID: BH69811

Project ID: SW MARINE TRANSFER STATION
Client ID: DUP WC 29 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	2.28	0.39	0.39	mg/Kg	02/04/15	LK	SW6010	
Aluminum	3810	58	7.7	mg/Kg	02/04/15	LK	SW6010	B
Arsenic	9.1	0.8	0.77	mg/Kg	02/04/15	LK	SW6010	
Barium	509	0.39	0.39	mg/Kg	02/04/15	LK	SW6010	
Beryllium	< 0.31	0.31	0.15	mg/Kg	02/04/15	LK	SW6010	
Calcium	15100	58	36	mg/Kg	02/04/15	LK	SW6010	B
Cadmium	1.06	0.39	0.15	mg/Kg	02/04/15	LK	SW6010	
Cobalt	28.1	0.39	0.39	mg/Kg	02/04/15	LK	SW6010	
Chromium	121	0.39	0.39	mg/Kg	02/04/15	LK	SW6010	
Copper	8320	39	39	mg/kg	02/04/15	LK	SW6010	
Iron	45300	58	39	mg/Kg	02/04/15	LK	SW6010	B
Mercury	0.09	0.03	0.02	mg/Kg	02/04/15	RS	SW-7471	
Potassium	327	5.8	3.0	mg/Kg	02/04/15	LK	SW6010	
Magnesium	2040	5.8	3.9	mg/Kg	02/04/15	LK	SW6010	B
Manganese	336	3.9	3.9	mg/Kg	02/04/15	LK	SW6010	B
Sodium	385	5.8	3.3	mg/Kg	02/04/15	LK	SW6010	
Nickel	82.8	0.39	0.39	mg/Kg	02/04/15	LK	SW6010	
Lead	594	3.9	3.9	mg/Kg	02/04/15	LK	SW6010	
Antimony	18.6	3.9	1.9	mg/Kg	02/04/15	LK	SW6010	
Selenium	< 1.5	1.5	1.3	mg/Kg	02/04/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/05/15	LK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/05/15	LK	SW6010	
TCLP Barium	0.17	0.10	0.010	mg/L	02/05/15	LK	SW6010	
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/05/15	LK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/05/15	LK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/05/15	RS	SW7470	
TCLP Lead	0.43	0.10	0.010	mg/L	02/05/15	LK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/05/15	LK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: DUP WC 29 COMP

Phoenix I.D.: BH69811

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.5	3.5	1.5	mg/Kg	02/04/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/05/15	I/I	SW3005	
Trivalent Chromium	119	0.50		mg/kg	02/05/15	CL	Calculation	
Vanadium	22.5	0.39	0.39	mg/Kg	02/04/15	LK	SW6010	
Zinc	600	3.9	3.9	mg/Kg	02/04/15	LK	SW6010	
Percent Solid	84			%	02/03/15	I	SW846	
Corrosivity	Negative			Pos/Neg	02/03/15	O/EG	SW846	1
Flash Point	>200	200		degree F	02/04/15	Y	SW1010	
Chromium, Hexavalent	2.08	0.46	0.46	mg/Kg	02/05/15 13:03	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/04/15	Y	SW846	1
pH - Soil	8.44	0.10		pH Units	02/03/15 21:30	O/EG	4500-H B/9045	1
Reactivity Cyanide	< 5.8	5.8	0.029	mg/Kg	02/03/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/04/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/04/15	EG	SW 846-7.3	1
Redox Potential	193	1.0		mV	02/03/15	O/EG	SM2580B	1
Total Cyanide	0.63	0.60	0.30	mg/Kg	02/04/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				02/03/15	JC/H	SW3545	
Soil Extraction for Pesticide	Completed				02/03/15	JC	SW3545	
Soil Extraction for SVOA	Completed				02/03/15	JJ/VH	SW3545	
Mercury Digestion	Completed				02/04/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/03/15	P/D	SW8151	
TCLP Digestion Mercury	Completed				02/05/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/04/15	F/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				02/03/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				02/03/15	I	1311	
TCLP Pesticides Extraction	Completed				02/04/15	T	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/04/15	L	SW3510	
TCLP Extraction Volatiles	Completed				02/03/15	Y	EPA 1311	
Total Metals Digest	Completed				02/03/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				02/03/15	BC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	49	49	ug/Kg	02/04/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	49	49	ug/Kg	02/04/15	BB	SW8151	
2,4-D	ND	49	49	ug/Kg	02/04/15	BB	SW8151	
2,4-DB	ND	490	490	ug/Kg	02/04/15	BB	SW8151	
Dalapon	ND	49	49	ug/Kg	02/04/15	BB	SW8151	
Dicamba	ND	99	99	ug/Kg	02/04/15	BB	SW8151	
Dichloroprop	ND	49	49	ug/Kg	02/04/15	BB	SW8151	
Dinoseb	ND	99	99	ug/Kg	02/04/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	69			%	02/04/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	78	78	ug/Kg	02/04/15	AW	SW 8082	
PCB-1221	ND	78	78	ug/Kg	02/04/15	AW	SW 8082	
PCB-1232	ND	78	78	ug/Kg	02/04/15	AW	SW 8082	
PCB-1242	ND	78	78	ug/Kg	02/04/15	AW	SW 8082	
PCB-1248	ND	78	78	ug/Kg	02/04/15	AW	SW 8082	
PCB-1254	ND	78	78	ug/Kg	02/04/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: DUP WC 29 COMP

Phoenix I.D.: BH69811

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	78	78	ug/Kg	02/04/15	AW	SW 8082
PCB-1262	ND	78	78	ug/Kg	02/04/15	AW	SW 8082
PCB-1268	ND	78	78	ug/Kg	02/04/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	82			%	02/04/15	AW	30 - 150 %
% TCMX	73			%	02/04/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.3	2.3	ug/Kg	02/05/15	CE	SW8081
4,4' -DDE	ND	2.3	2.3	ug/Kg	02/05/15	CE	SW8081
4,4' -DDT	ND	2.3	2.3	ug/Kg	02/05/15	CE	SW8081
a-BHC	ND	7.8	7.8	ug/Kg	02/05/15	CE	SW8081
a-Chlordane	ND	3.9	3.9	ug/Kg	02/05/15	CE	SW8081
Aldrin	ND	3.9	3.9	ug/Kg	02/05/15	CE	SW8081
b-BHC	ND	7.8	7.8	ug/Kg	02/05/15	CE	SW8081
Chlordane	ND	39	39	ug/Kg	02/05/15	CE	SW8081
d-BHC	ND	7.8	7.8	ug/Kg	02/05/15	CE	SW8081
Dieldrin	ND	3.9	3.9	ug/Kg	02/05/15	CE	SW8081
Endosulfan I	ND	7.8	7.8	ug/Kg	02/05/15	CE	SW8081
Endosulfan II	ND	7.8	7.8	ug/Kg	02/05/15	CE	SW8081
Endosulfan sulfate	ND	7.8	7.8	ug/Kg	02/05/15	CE	SW8081
Endrin	ND	7.8	7.8	ug/Kg	02/05/15	CE	SW8081
Endrin aldehyde	ND	7.8	7.8	ug/Kg	02/05/15	CE	SW8081
Endrin ketone	ND	7.8	7.8	ug/Kg	02/05/15	CE	SW8081
g-BHC	ND	1.6	1.6	ug/Kg	02/05/15	CE	SW8081
g-Chlordane	ND	3.9	3.9	ug/Kg	02/05/15	CE	SW8081
Heptachlor	ND	7.8	7.8	ug/Kg	02/05/15	CE	SW8081
Heptachlor epoxide	ND	7.8	7.8	ug/Kg	02/05/15	CE	SW8081
Methoxychlor	ND	39	39	ug/Kg	02/05/15	CE	SW8081
Toxaphene	ND	160	160	ug/Kg	02/05/15	CE	SW8081
QA/QC Surrogates							
% DCBP	58			%	02/05/15	CE	30 - 150 %
% TCMX	73			%	02/05/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/05/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/05/15	BB	SW8151
QA/QC Surrogates							
% DCAA	74			%	02/05/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/06/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/06/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/06/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/06/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/06/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/06/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/06/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/06/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/06/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/06/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/06/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/06/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/06/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/06/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/06/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/06/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/06/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/06/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/06/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/06/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	95			%	02/06/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	85			%	02/06/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	280	59	59	mg/Kg	02/04/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	71			%	02/04/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/05/15	HM	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/05/15	HM	SW8260
Benzene	ND	25	25	ug/L	02/05/15	HM	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/05/15	HM	SW8260
Chlorobenzene	ND	25	25	ug/L	02/05/15	HM	SW8260
Chloroform	ND	25	25	ug/L	02/05/15	HM	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/05/15	HM	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/05/15	HM	SW8260
Trichloroethene	ND	25	25	ug/L	02/05/15	HM	SW8260
Vinyl chloride	ND	25	25	ug/L	02/05/15	HM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99			%	02/05/15	HM	70 - 130 %
% Bromofluorobenzene	96			%	02/05/15	HM	70 - 130 %
% Dibromofluoromethane	99			%	02/05/15	HM	70 - 130 %
% Toluene-d8	101			%	02/05/15	HM	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	280	120	ug/Kg	02/04/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	280	140	ug/Kg	02/04/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	390	390	ug/Kg	02/04/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	280	180	ug/Kg	02/04/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	280	220	ug/Kg	02/04/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	160	130	ug/Kg	02/04/15	DD	SW 8270
2,4-Dichlorophenol	ND	160	140	ug/Kg	02/04/15	DD	SW 8270
2,4-Dimethylphenol	ND	280	98	ug/Kg	02/04/15	DD	SW 8270
2,4-Dinitrophenol	ND	280	280	ug/Kg	02/04/15	DD	SW 8270
2,4-Dinitrotoluene	ND	160	160	ug/Kg	02/04/15	DD	SW 8270
2,6-Dinitrotoluene	ND	160	120	ug/Kg	02/04/15	DD	SW 8270
2-Chloronaphthalene	ND	280	110	ug/Kg	02/04/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: DUP WC 29 COMP

Phoenix I.D.: BH69811

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		280	110	ug/Kg	02/04/15	DD	SW 8270	
2-Methylnaphthalene	ND		280	120	ug/Kg	02/04/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		280	190	ug/Kg	02/04/15	DD	SW 8270	
2-Nitroaniline	ND		2000	400	ug/Kg	02/04/15	DD	SW 8270	
2-Nitrophenol	ND		280	250	ug/Kg	02/04/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		280	160	ug/Kg	02/04/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		160	190	ug/Kg	02/04/15	DD	SW 8270	
3-Nitroaniline	ND		2000	860	ug/Kg	02/04/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		280	420	ug/Kg	02/04/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		280	120	ug/Kg	02/04/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		280	140	ug/Kg	02/04/15	DD	SW 8270	
4-Chloroaniline	ND		790	180	ug/Kg	02/04/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		280	130	ug/Kg	02/04/15	DD	SW 8270	
4-Nitroaniline	ND		2000	130	ug/Kg	02/04/15	DD	SW 8270	
4-Nitrophenol	ND		2000	180	ug/Kg	02/04/15	DD	SW 8270	
Acenaphthene	ND		280	120	ug/Kg	02/04/15	DD	SW 8270	
Acenaphthylene	ND		160	110	ug/Kg	02/04/15	DD	SW 8270	
Acetophenone	ND		280	120	ug/Kg	02/04/15	DD	SW 8270	
Anthracene	250	J	280	130	ug/Kg	02/04/15	DD	SW 8270	
Atrazine	ND		160	180	ug/Kg	02/04/15	DD	SW 8270	
Benz(a)anthracene	600		280	130	ug/Kg	02/04/15	DD	SW 8270	
Benzaldehyde	ND		280	120	ug/Kg	02/04/15	DD	SW 8270	
Benzidine	ND		590	590	ug/Kg	02/04/15	DD	SW 8270	
Benzo(a)pyrene	550		160	130	ug/Kg	02/04/15	DD	SW 8270	
Benzo(b)fluoranthene	760		280	130	ug/Kg	02/04/15	DD	SW 8270	
Benzo(ghi)perylene	230	J	280	130	ug/Kg	02/04/15	DD	SW 8270	
Benzo(k)fluoranthene	260	J	280	130	ug/Kg	02/04/15	DD	SW 8270	
Benzyl Alcohol	ND		390	390	ug/Kg	02/04/15	DD	SW 8270	
Benzyl butyl phthalate	ND		280	100	ug/Kg	02/04/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		280	110	ug/Kg	02/04/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		160	110	ug/Kg	02/04/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		280	110	ug/Kg	02/04/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		280	110	ug/Kg	02/04/15	DD	SW 8270	
Caprolactam	ND		280	710	ug/Kg	02/04/15	DD	SW 8270	
Carbazole	ND		2000	300	ug/Kg	02/04/15	DD	SW 8270	
Chrysene	660		280	130	ug/Kg	02/04/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		160	130	ug/Kg	02/04/15	DD	SW 8270	
Dibenzofuran	ND		280	120	ug/Kg	02/04/15	DD	SW 8270	
Diethyl phthalate	ND		280	120	ug/Kg	02/04/15	DD	SW 8270	
Dimethylphthalate	ND		280	120	ug/Kg	02/04/15	DD	SW 8270	
Di-n-butylphthalate	ND		280	100	ug/Kg	02/04/15	DD	SW 8270	
Di-n-octylphthalate	ND		280	100	ug/Kg	02/04/15	DD	SW 8270	
Fluoranthene	1000		280	130	ug/Kg	02/04/15	DD	SW 8270	
Fluorene	ND		280	130	ug/Kg	02/04/15	DD	SW 8270	
Hexachlorobenzene	ND		160	120	ug/Kg	02/04/15	DD	SW 8270	
Hexachlorobutadiene	ND		280	140	ug/Kg	02/04/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		280	120	ug/Kg	02/04/15	DD	SW 8270	
Hexachloroethane	ND		160	120	ug/Kg	02/04/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	240	J	280	130	ug/Kg	02/04/15	DD	SW 8270	

Project ID: SW MARINE TRANSFER STATION
Client ID: DUP WC 29 COMP

Phoenix I.D.: BH69811

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND	160	110	ug/Kg	02/04/15	DD	SW 8270	
Naphthalene	ND	280	110	ug/Kg	02/04/15	DD	SW 8270	
Nitrobenzene	ND	160	140	ug/Kg	02/04/15	DD	SW 8270	
N-Nitrosodimethylamine	ND	280	110	ug/Kg	02/04/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	160	130	ug/Kg	02/04/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND	160	150	ug/Kg	02/04/15	DD	SW 8270	
Pentachlorophenol	ND	280	150	ug/Kg	02/04/15	DD	SW 8270	
Phenanthrene	1200	160	110	ug/Kg	02/04/15	DD	SW 8270	
Phenol	ND	280	130	ug/Kg	02/04/15	DD	SW 8270	
Pyrene	830	280	140	ug/Kg	02/04/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	93			%	02/04/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	80			%	02/04/15	DD	30 - 130 %	
% 2-Fluorophenol	72			%	02/04/15	DD	30 - 130 %	
% Nitrobenzene-d5	80			%	02/04/15	DD	30 - 130 %	
% Phenol-d5	80			%	02/04/15	DD	30 - 130 %	
% Terphenyl-d14	75			%	02/04/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral								
1,4-Dichlorobenzene	ND	83	83	ug/L	02/05/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND	83	83	ug/L	02/05/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND	83	83	ug/L	02/05/15	DD	SW 8270	
2,4-Dinitrotoluene	ND	83	83	ug/L	02/05/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	83	83	ug/L	02/05/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND	83	83	ug/L	02/05/15	DD	SW 8270	
Hexachlorobenzene	ND	83	83	ug/L	02/05/15	DD	SW 8270	
Hexachlorobutadiene	ND	83	83	ug/L	02/05/15	DD	SW 8270	
Hexachloroethane	ND	83	83	ug/L	02/05/15	DD	SW 8270	
Nitrobenzene	ND	83	83	ug/L	02/05/15	DD	SW 8270	
Pentachlorophenol	ND	83	83	ug/L	02/05/15	DD	SW 8270	
Pyridine	ND	83	83	ug/L	02/05/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	99			%	02/05/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	73			%	02/05/15	DD	30 - 130 %	
% 2-Fluorophenol	58			%	02/05/15	DD	15 - 110 %	
% Nitrobenzene-d5	89			%	02/05/15	DD	30 - 130 %	
% Phenol-d5	50			%	02/05/15	DD	15 - 110 %	
% Terphenyl-d14	82			%	02/05/15	DD	30 - 130 %	
Aniline	ND	330		ug/Kg	02/05/15	DD	SW8270	
Benzoic Acid	ND	330		ug/Kg	02/05/15	DD	SW8270	1
Parathion	ND	390	160	ug/Kg	02/04/15	DD	SW8270	1

Project ID: SW MARINE TRANSFER STATION
Client ID: DUP WC 29 COMP

Phoenix I.D.: BH69811

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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 11, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 11, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/03/15	12:15
Location Code:	IMPACT	Received by:	SW	02/03/15	18:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	7336				

Laboratory Data

SDG ID: GBH69802
Phoenix ID: BH69812

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 18 1-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/03/15	I	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/Kg	02/05/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/Kg	02/05/15	JLI	SW8260
1,3-Dichlorobenzene	ND	5.0	1.0	ug/Kg	02/05/15	JLI	SW8260
Naphthalene	ND	5.0	1.3	ug/Kg	02/05/15	JLI	SW8260
n-Butylbenzene	ND	5.0	1.0	ug/Kg	02/05/15	JLI	SW8260
n-Propylbenzene	ND	5.0	1.0	ug/Kg	02/05/15	JLI	SW8260
p-Isopropyltoluene	ND	5.0	1.0	ug/Kg	02/05/15	JLI	SW8260
sec-Butylbenzene	ND	5.0	1.0	ug/Kg	02/05/15	JLI	SW8260
tert-Butylbenzene	ND	5.0	1.0	ug/Kg	02/05/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99			%	02/05/15	JLI	SW8260
% Bromofluorobenzene	93			%	02/05/15	JLI	SW8260
% Dibromofluoromethane	99			%	02/05/15	JLI	SW8260
% Toluene-d8	87			%	02/05/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	100	100	ug/kg	02/05/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/Kg	02/05/15	JLI	SW8260
1,1,1-Trichloroethane	ND	5.0	1.0	ug/Kg	02/05/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.0	0.71	ug/Kg	02/05/15	JLI	SW8260
1,1,2-Trichloroethane	ND	5.0	0.49	ug/Kg	02/05/15	JLI	SW8260
1,1-Dichloroethane	ND	5.0	0.99	ug/Kg	02/05/15	JLI	SW8260
1,1-Dichloroethene	ND	5.0	1.1	ug/Kg	02/05/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 18 1-2

Phoenix I.D.: BH69812

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		5.0	0.67	ug/Kg	02/05/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		5.0	0.59	ug/Kg	02/05/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		5.0	1.3	ug/Kg	02/05/15	JLI	SW8260
1,2-Dibromoethane	ND		5.0	1.3	ug/Kg	02/05/15	JLI	SW8260
1,2-Dichlorobenzene	ND		5.0	0.55	ug/Kg	02/05/15	JLI	SW8260
1,2-Dichloroethane	ND		5.0	0.44	ug/Kg	02/05/15	JLI	SW8260
1,2-Dichloropropane	ND		5.0	0.71	ug/Kg	02/05/15	JLI	SW8260
1,3-Dichlorobenzene	ND		5.0	0.74	ug/Kg	02/05/15	JLI	SW8260
1,4-Dichlorobenzene	ND		5.0	0.79	ug/Kg	02/05/15	JLI	SW8260
2-Hexanone	ND		25	2.3	ug/Kg	02/05/15	JLI	SW8260
4-Methyl-2-pentanone	ND		25	1.2	ug/Kg	02/05/15	JLI	SW8260
Acetone	ND		50	5.0	ug/Kg	02/05/15	JLI	SW8260
Acrolein	ND		25	4.0	ug/Kg	02/05/15	JLI	SW8260
Acrylonitrile	ND		10	2.8	ug/Kg	02/05/15	JLI	SW8260
Benzene	ND		5.0	0.99	ug/Kg	02/05/15	JLI	SW8260
Bromochloromethane	ND		5.0	0.73	ug/Kg	02/05/15	JLI	SW8260
Bromodichloromethane	ND		5.0	0.62	ug/Kg	02/05/15	JLI	SW8260
Bromoform	ND		5.0	0.70	ug/Kg	02/05/15	JLI	SW8260
Bromomethane	ND		5.0	3.9	ug/Kg	02/05/15	JLI	SW8260
Carbon Disulfide	ND		5.0	0.81	ug/Kg	02/05/15	JLI	SW8260
Carbon tetrachloride	ND		5.0	0.58	ug/Kg	02/05/15	JLI	SW8260
Chlorobenzene	ND		5.0	0.74	ug/Kg	02/05/15	JLI	SW8260
Chloroethane	ND		5.0	1.2	ug/Kg	02/05/15	JLI	SW8260
Chloroform	ND		5.0	0.91	ug/Kg	02/05/15	JLI	SW8260
Chloromethane	ND		5.0	2.6	ug/Kg	02/05/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		5.0	1.1	ug/Kg	02/05/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		5.0	0.54	ug/Kg	02/05/15	JLI	SW8260
Cyclohexane	ND		5.0	5.0	ug/Kg	02/05/15	JLI	SW8260
Dibromochloromethane	ND		5.0	0.56	ug/Kg	02/05/15	JLI	SW8260
Dichlorodifluoromethane	ND		5.0	1.3	ug/Kg	02/05/15	JLI	SW8260
Ethylbenzene	ND		5.0	0.91	ug/Kg	02/05/15	JLI	SW8260
Isopropylbenzene	ND		5.0	0.96	ug/Kg	02/05/15	JLI	SW8260
m&p-Xylene	ND		5.0	2.0	ug/Kg	02/05/15	JLI	SW8260
Methyl ethyl ketone	ND		30	4.3	ug/Kg	02/05/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		10	1.4	ug/Kg	02/05/15	JLI	SW8260
Methylacetate	ND		5.0	5.0	ug/Kg	02/05/15	JLI	SW8260
Methylcyclohexane	8.7		5.0	5.0	ug/Kg	02/05/15	JLI	SW8260
Methylene chloride	1.2	JS	5.0	0.82	ug/Kg	02/05/15	JLI	SW8260
o-Xylene	ND		5.0	1.9	ug/Kg	02/05/15	JLI	SW8260
Styrene	ND		5.0	1.4	ug/Kg	02/05/15	JLI	SW8260
tert-butyl alcohol	ND		100	100	ug/Kg	02/05/15	JLI	SW8260
Tetrachloroethene	ND		5.0	1.1	ug/Kg	02/05/15	JLI	SW8260
Toluene	0.86	J	5.0	0.79	ug/Kg	02/05/15	JLI	SW8260
Total Xylenes	ND		5.0	5.0	ug/Kg	02/05/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		5.0	1.0	ug/Kg	02/05/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		5.0	1.0	ug/Kg	02/05/15	JLI	SW8260
Trichloroethene	ND		5.0	1.1	ug/Kg	02/05/15	JLI	SW8260
Trichlorofluoromethane	ND		5.0	1.1	ug/Kg	02/05/15	JLI	SW8260
Trichlorotrifluoroethane	ND		5.0	0.78	ug/Kg	02/05/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 18 1-2

Phoenix I.D.: BH69812

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	5.0	1.6	ug/Kg	02/05/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	02/05/15	JLI	70 - 130 %	
% Bromofluorobenzene	90			%	02/05/15	JLI	70 - 130 %	
% Dibromofluoromethane	100			%	02/05/15	JLI	70 - 130 %	
% Toluene-d8	87			%	02/05/15	JLI	70 - 130 %	
Vinyl Acetate	ND	50	50	ug/Kg	02/05/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

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 11, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 11, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/03/15	12:15
Location Code:	IMPACT	Received by:	SW	02/03/15	18:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	7336				

Laboratory Data

SDG ID: GBH69802
Phoenix ID: BH69813

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 18 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.41	0.41	0.41	mg/Kg	02/04/15	LK	SW6010	
Aluminum	1730	6.2	0.83	mg/Kg	02/04/15	LK	SW6010	B
Arsenic	2.4	0.8	0.83	mg/Kg	02/04/15	LK	SW6010	
Barium	20.8	0.41	0.41	mg/Kg	02/04/15	LK	SW6010	
Beryllium	< 0.33	0.33	0.17	mg/Kg	02/04/15	LK	SW6010	
Calcium	1830	6.2	3.8	mg/Kg	02/04/15	LK	SW6010	B
Cadmium	< 0.41	0.41	0.17	mg/Kg	02/04/15	LK	SW6010	
Cobalt	2.26	0.41	0.41	mg/Kg	02/04/15	LK	SW6010	
Chromium	10.3	0.41	0.41	mg/Kg	02/04/15	LK	SW6010	
Copper	9.61	0.41	0.41	mg/kg	02/04/15	LK	SW6010	
Iron	4360	6.2	4.1	mg/Kg	02/04/15	LK	SW6010	B
Mercury	< 0.03	0.03	0.02	mg/Kg	02/04/15	RS	SW-7471	
Potassium	421	6.2	3.2	mg/Kg	02/04/15	LK	SW6010	
Magnesium	955	6.2	4.1	mg/Kg	02/04/15	LK	SW6010	B
Manganese	64.2	0.41	0.41	mg/Kg	02/04/15	LK	SW6010	B
Sodium	188	6.2	3.6	mg/Kg	02/04/15	LK	SW6010	
Nickel	7.15	0.41	0.41	mg/Kg	02/04/15	LK	SW6010	
Lead	13.0	0.41	0.41	mg/Kg	02/04/15	LK	SW6010	
Antimony	< 4.1	4.1	2.1	mg/Kg	02/04/15	LK	SW6010	
Selenium	< 1.7	1.7	1.4	mg/Kg	02/04/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/05/15	LK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/05/15	LK	SW6010	
TCLP Barium	0.26	0.10	0.010	mg/L	02/05/15	LK	SW6010	
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/05/15	LK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/05/15	LK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/05/15	RS	SW7470	
TCLP Lead	< 0.10	0.10	0.010	mg/L	02/05/15	LK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/05/15	LK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 18 COMP

Phoenix I.D.: BH69813

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.7	3.7	1.7	mg/Kg	02/04/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/05/15	I/I	SW3005	
Trivalent Chromium	10.3	0.50		mg/kg	02/05/15	CL	Calculation	
Vanadium	6.09	0.41	0.41	mg/Kg	02/04/15	LK	SW6010	
Zinc	39.3	0.41	0.41	mg/Kg	02/04/15	LK	SW6010	
Percent Solid	85			%	02/03/15	I	SW846	
Corrosivity	Negative			Pos/Neg	02/03/15	O/EG	SW846	1
Flash Point	>200	200		degree F	02/05/15	Y	SW1010	
Chromium, Hexavalent	< 0.47	0.47	0.47	mg/Kg	02/05/15 13:03	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/05/15	Y	SW846	1
pH - Soil	9.07	0.10		pH Units	02/03/15 21:30	O/EG	4500-H B/9045	1
Reactivity Cyanide	< 5.7	5.7	0.029	mg/Kg	02/03/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/04/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/04/15	EG	SW 846-7.3	1
Redox Potential	156	1.0		mV	02/03/15	O/EG	SM2580B	1
Total Cyanide	< 0.59	0.59	0.29	mg/Kg	02/04/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				02/04/15	PJ	SW3545	
Soil Extraction for Pesticide	Completed				02/04/15	PJ/H	SW3545	
Soil Extraction for SVOA	Completed				02/03/15	JJ/VH	SW3545	
Mercury Digestion	Completed				02/04/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/03/15	P/D	SW8151	
TCLP Digestion Mercury	Completed				02/05/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/04/15	F/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				02/03/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				02/03/15	I	1311	
TCLP Pesticides Extraction	Completed				02/04/15	T	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/04/15	L	SW3510	
TCLP Extraction Volatiles	Completed				02/03/15	Y	EPA 1311	
Total Metals Digest	Completed				02/03/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				02/03/15	BC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	49	49	ug/Kg	02/04/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	49	49	ug/Kg	02/04/15	BB	SW8151	
2,4-D	ND	49	49	ug/Kg	02/04/15	BB	SW8151	
2,4-DB	ND	490	490	ug/Kg	02/04/15	BB	SW8151	
Dalapon	ND	49	49	ug/Kg	02/04/15	BB	SW8151	
Dicamba	ND	97	97	ug/Kg	02/04/15	BB	SW8151	
Dichloroprop	ND	49	49	ug/Kg	02/04/15	BB	SW8151	
Dinoseb	ND	97	97	ug/Kg	02/04/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	71			%	02/04/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	77	77	ug/Kg	02/05/15	AW	SW 8082	
PCB-1221	ND	77	77	ug/Kg	02/05/15	AW	SW 8082	
PCB-1232	ND	77	77	ug/Kg	02/05/15	AW	SW 8082	
PCB-1242	ND	77	77	ug/Kg	02/05/15	AW	SW 8082	
PCB-1248	ND	77	77	ug/Kg	02/05/15	AW	SW 8082	
PCB-1254	ND	77	77	ug/Kg	02/05/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 18 COMP

Phoenix I.D.: BH69813

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	77	77	ug/Kg	02/05/15	AW	SW 8082
PCB-1262	ND	77	77	ug/Kg	02/05/15	AW	SW 8082
PCB-1268	ND	77	77	ug/Kg	02/05/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	90			%	02/05/15	AW	30 - 150 %
% TCMX	86			%	02/05/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.3	2.3	ug/Kg	02/05/15	CE	SW8081
4,4' -DDE	ND	2.3	2.3	ug/Kg	02/05/15	CE	SW8081
4,4' -DDT	ND	2.3	2.3	ug/Kg	02/05/15	CE	SW8081
a-BHC	ND	7.7	7.7	ug/Kg	02/05/15	CE	SW8081
a-Chlordane	ND	3.9	3.9	ug/Kg	02/05/15	CE	SW8081
Aldrin	ND	3.9	3.9	ug/Kg	02/05/15	CE	SW8081
b-BHC	ND	7.7	7.7	ug/Kg	02/05/15	CE	SW8081
Chlordane	ND	39	39	ug/Kg	02/05/15	CE	SW8081
d-BHC	ND	7.7	7.7	ug/Kg	02/05/15	CE	SW8081
Dieldrin	ND	3.9	3.9	ug/Kg	02/05/15	CE	SW8081
Endosulfan I	ND	7.7	7.7	ug/Kg	02/05/15	CE	SW8081
Endosulfan II	ND	7.7	7.7	ug/Kg	02/05/15	CE	SW8081
Endosulfan sulfate	ND	7.7	7.7	ug/Kg	02/05/15	CE	SW8081
Endrin	ND	7.7	7.7	ug/Kg	02/05/15	CE	SW8081
Endrin aldehyde	ND	7.7	7.7	ug/Kg	02/05/15	CE	SW8081
Endrin ketone	ND	7.7	7.7	ug/Kg	02/05/15	CE	SW8081
g-BHC	ND	1.5	1.5	ug/Kg	02/05/15	CE	SW8081
g-Chlordane	ND	3.9	3.9	ug/Kg	02/05/15	CE	SW8081
Heptachlor	ND	7.7	7.7	ug/Kg	02/05/15	CE	SW8081
Heptachlor epoxide	ND	7.7	7.7	ug/Kg	02/05/15	CE	SW8081
Methoxychlor	ND	39	39	ug/Kg	02/05/15	CE	SW8081
Toxaphene	ND	150	150	ug/Kg	02/05/15	CE	SW8081
QA/QC Surrogates							
% DCBP	86			%	02/05/15	CE	30 - 150 %
% TCMX	83			%	02/05/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/05/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/05/15	BB	SW8151
QA/QC Surrogates							
% DCAA	51			%	02/05/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/06/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/06/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/06/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/06/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/06/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/06/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/06/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/06/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/06/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/06/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/06/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/06/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/06/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/06/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/06/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/06/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/06/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/06/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/06/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/06/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	101			%	02/06/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	89			%	02/06/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	57	57	mg/Kg	02/04/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	83			%	02/04/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/05/15	HM	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/05/15	HM	SW8260
Benzene	ND	25	25	ug/L	02/05/15	HM	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/05/15	HM	SW8260
Chlorobenzene	ND	25	25	ug/L	02/05/15	HM	SW8260
Chloroform	ND	25	25	ug/L	02/05/15	HM	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/05/15	HM	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/05/15	HM	SW8260
Trichloroethene	ND	25	25	ug/L	02/05/15	HM	SW8260
Vinyl chloride	ND	25	25	ug/L	02/05/15	HM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99			%	02/05/15	HM	70 - 130 %
% Bromofluorobenzene	94			%	02/05/15	HM	70 - 130 %
% Dibromofluoromethane	100			%	02/05/15	HM	70 - 130 %
% Toluene-d8	99			%	02/05/15	HM	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	270	120	ug/Kg	02/04/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	270	130	ug/Kg	02/04/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	380	380	ug/Kg	02/04/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	270	180	ug/Kg	02/04/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	270	210	ug/Kg	02/04/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	02/04/15	DD	SW 8270
2,4-Dichlorophenol	ND	150	130	ug/Kg	02/04/15	DD	SW 8270
2,4-Dimethylphenol	ND	270	95	ug/Kg	02/04/15	DD	SW 8270
2,4-Dinitrophenol	ND	270	270	ug/Kg	02/04/15	DD	SW 8270
2,4-Dinitrotoluene	ND	150	150	ug/Kg	02/04/15	DD	SW 8270
2,6-Dinitrotoluene	ND	150	120	ug/Kg	02/04/15	DD	SW 8270
2-Chloronaphthalene	ND	270	110	ug/Kg	02/04/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 18 COMP

Phoenix I.D.: BH69813

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND	270	110	ug/Kg	02/04/15	DD	SW 8270	
2-Methylnaphthalene	ND	270	110	ug/Kg	02/04/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	270	180	ug/Kg	02/04/15	DD	SW 8270	
2-Nitroaniline	ND	1900	390	ug/Kg	02/04/15	DD	SW 8270	
2-Nitrophenol	ND	270	240	ug/Kg	02/04/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	270	150	ug/Kg	02/04/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	150	180	ug/Kg	02/04/15	DD	SW 8270	
3-Nitroaniline	ND	1900	830	ug/Kg	02/04/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	270	410	ug/Kg	02/04/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	270	110	ug/Kg	02/04/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND	270	130	ug/Kg	02/04/15	DD	SW 8270	
4-Chloroaniline	ND	760	180	ug/Kg	02/04/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	270	130	ug/Kg	02/04/15	DD	SW 8270	
4-Nitroaniline	ND	1900	130	ug/Kg	02/04/15	DD	SW 8270	
4-Nitrophenol	ND	1900	170	ug/Kg	02/04/15	DD	SW 8270	
Acenaphthene	ND	270	120	ug/Kg	02/04/15	DD	SW 8270	
Acenaphthylene	ND	150	110	ug/Kg	02/04/15	DD	SW 8270	
Acetophenone	ND	270	120	ug/Kg	02/04/15	DD	SW 8270	
Anthracene	ND	270	130	ug/Kg	02/04/15	DD	SW 8270	
Atrazine	ND	150	170	ug/Kg	02/04/15	DD	SW 8270	
Benz(a)anthracene	ND	270	130	ug/Kg	02/04/15	DD	SW 8270	
Benzaldehyde	ND	270	110	ug/Kg	02/04/15	DD	SW 8270	
Benzidine	ND	570	570	ug/Kg	02/04/15	DD	SW 8270	
Benzo(a)pyrene	ND	150	120	ug/Kg	02/04/15	DD	SW 8270	
Benzo(b)fluoranthene	ND	270	130	ug/Kg	02/04/15	DD	SW 8270	
Benzo(ghi)perylene	ND	270	120	ug/Kg	02/04/15	DD	SW 8270	
Benzo(k)fluoranthene	ND	270	130	ug/Kg	02/04/15	DD	SW 8270	
Benzyl Alcohol	ND	380	380	ug/Kg	02/04/15	DD	SW 8270	
Benzyl butyl phthalate	ND	270	99	ug/Kg	02/04/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	270	110	ug/Kg	02/04/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	150	100	ug/Kg	02/04/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	270	110	ug/Kg	02/04/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	270	110	ug/Kg	02/04/15	DD	SW 8270	
Caprolactam	ND	270	680	ug/Kg	02/04/15	DD	SW 8270	
Carbazole	ND	1900	290	ug/Kg	02/04/15	DD	SW 8270	
Chrysene	ND	270	130	ug/Kg	02/04/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND	150	120	ug/Kg	02/04/15	DD	SW 8270	
Dibenzofuran	ND	270	110	ug/Kg	02/04/15	DD	SW 8270	
Diethyl phthalate	ND	270	120	ug/Kg	02/04/15	DD	SW 8270	
Dimethylphthalate	ND	270	120	ug/Kg	02/04/15	DD	SW 8270	
Di-n-butylphthalate	ND	270	100	ug/Kg	02/04/15	DD	SW 8270	
Di-n-octylphthalate	ND	270	99	ug/Kg	02/04/15	DD	SW 8270	
Fluoranthene	ND	270	120	ug/Kg	02/04/15	DD	SW 8270	
Fluorene	ND	270	130	ug/Kg	02/04/15	DD	SW 8270	
Hexachlorobenzene	ND	150	110	ug/Kg	02/04/15	DD	SW 8270	
Hexachlorobutadiene	ND	270	140	ug/Kg	02/04/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND	270	120	ug/Kg	02/04/15	DD	SW 8270	
Hexachloroethane	ND	150	110	ug/Kg	02/04/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	270	130	ug/Kg	02/04/15	DD	SW 8270	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND	150	110	ug/Kg	02/04/15	DD	SW 8270	
Naphthalene	ND	270	110	ug/Kg	02/04/15	DD	SW 8270	
Nitrobenzene	ND	150	130	ug/Kg	02/04/15	DD	SW 8270	
N-Nitrosodimethylamine	ND	270	110	ug/Kg	02/04/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	150	120	ug/Kg	02/04/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND	150	150	ug/Kg	02/04/15	DD	SW 8270	
Pentachlorophenol	ND	270	140	ug/Kg	02/04/15	DD	SW 8270	
Phenanthrene	ND	150	110	ug/Kg	02/04/15	DD	SW 8270	
Phenol	ND	270	120	ug/Kg	02/04/15	DD	SW 8270	
Pyrene	ND	270	130	ug/Kg	02/04/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	80			%	02/04/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	86			%	02/04/15	DD	30 - 130 %	
% 2-Fluorophenol	82			%	02/04/15	DD	30 - 130 %	
% Nitrobenzene-d5	81			%	02/04/15	DD	30 - 130 %	
% Phenol-d5	83			%	02/04/15	DD	30 - 130 %	
% Terphenyl-d14	107			%	02/04/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral								
1,4-Dichlorobenzene	ND	83	83	ug/L	02/05/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND	83	83	ug/L	02/05/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND	83	83	ug/L	02/05/15	DD	SW 8270	
2,4-Dinitrotoluene	ND	83	83	ug/L	02/05/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	83	83	ug/L	02/05/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND	83	83	ug/L	02/05/15	DD	SW 8270	
Hexachlorobenzene	ND	83	83	ug/L	02/05/15	DD	SW 8270	
Hexachlorobutadiene	ND	83	83	ug/L	02/05/15	DD	SW 8270	
Hexachloroethane	ND	83	83	ug/L	02/05/15	DD	SW 8270	
Nitrobenzene	ND	83	83	ug/L	02/05/15	DD	SW 8270	
Pentachlorophenol	ND	83	83	ug/L	02/05/15	DD	SW 8270	
Pyridine	ND	83	83	ug/L	02/05/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	85			%	02/05/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	59			%	02/05/15	DD	30 - 130 %	
% 2-Fluorophenol	45			%	02/05/15	DD	15 - 110 %	
% Nitrobenzene-d5	68			%	02/05/15	DD	30 - 130 %	
% Phenol-d5	40			%	02/05/15	DD	15 - 110 %	
% Terphenyl-d14	74			%	02/05/15	DD	30 - 130 %	
Aniline	ND	330		ug/Kg	02/04/15	DD	SW8270	
Benzoic Acid	ND	330		ug/Kg	02/04/15	DD	SW8270	1
Parathion	ND	380	150	ug/Kg	02/04/15	DD	SW8270	1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

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

Comments:

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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 11, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 11, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/03/15	13:10
Location Code:	IMPACT	Received by:	SW	02/03/15	18:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	7336				

Laboratory Data

SDG ID: GBH69802
Phoenix ID: BH69814

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 17 1-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/03/15	I	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	250	49	ug/Kg	02/04/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	250	49	ug/Kg	02/04/15	JLI	SW8260
1,3-Dichlorobenzene	ND	250	49	ug/Kg	02/04/15	JLI	SW8260
Naphthalene	ND	250	66	ug/Kg	02/04/15	JLI	SW8260
n-Butylbenzene	ND	250	49	ug/Kg	02/04/15	JLI	SW8260
n-Propylbenzene	ND	250	49	ug/Kg	02/04/15	JLI	SW8260
p-Isopropyltoluene	ND	250	49	ug/Kg	02/04/15	JLI	SW8260
sec-Butylbenzene	ND	250	49	ug/Kg	02/04/15	JLI	SW8260
tert-Butylbenzene	ND	250	49	ug/Kg	02/04/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99			%	02/04/15	JLI	SW8260
% Bromofluorobenzene	82			%	02/05/15	JLI	SW8260
% Dibromofluoromethane	105			%	02/05/15	JLI	SW8260
% Toluene-d8	89			%	02/05/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	100	100	ug/kg	02/05/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.1	1.0	ug/Kg	02/05/15	JLI	SW8260
1,1,1-Trichloroethane	ND	5.1	1.0	ug/Kg	02/05/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.1	0.72	ug/Kg	02/05/15	JLI	SW8260
1,1,2-Trichloroethane	ND	5.1	0.50	ug/Kg	02/05/15	JLI	SW8260
1,1-Dichloroethane	ND	5.1	1.0	ug/Kg	02/05/15	JLI	SW8260
1,1-Dichloroethene	ND	5.1	1.1	ug/Kg	02/05/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 17 1-2

Phoenix I.D.: BH69814

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		250	33	ug/Kg	02/04/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		250	29	ug/Kg	02/04/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		80	66	ug/Kg	02/04/15	JLI	SW8260
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	02/05/15	JLI	SW8260
1,2-Dichlorobenzene	ND		250	27	ug/Kg	02/04/15	JLI	SW8260
1,2-Dichloroethane	ND		5.1	0.45	ug/Kg	02/05/15	JLI	SW8260
1,2-Dichloropropane	ND		5.1	0.72	ug/Kg	02/05/15	JLI	SW8260
1,3-Dichlorobenzene	ND		250	36	ug/Kg	02/04/15	JLI	SW8260
1,4-Dichlorobenzene	ND		250	39	ug/Kg	02/04/15	JLI	SW8260
2-Hexanone	ND		26	2.3	ug/Kg	02/05/15	JLI	SW8260
4-Methyl-2-pentanone	ND		26	1.2	ug/Kg	02/05/15	JLI	SW8260
Acetone	ND		50	5.1	ug/Kg	02/05/15	JLI	SW8260
Acrolein	ND		26	4.1	ug/Kg	02/05/15	JLI	SW8260
Acrylonitrile	ND		10	2.9	ug/Kg	02/05/15	JLI	SW8260
Benzene	ND		5.1	1.0	ug/Kg	02/05/15	JLI	SW8260
Bromochloromethane	ND		5.1	0.74	ug/Kg	02/05/15	JLI	SW8260
Bromodichloromethane	ND		5.1	0.63	ug/Kg	02/05/15	JLI	SW8260
Bromoform	ND		5.1	0.71	ug/Kg	02/05/15	JLI	SW8260
Bromomethane	ND		5.1	3.9	ug/Kg	02/05/15	JLI	SW8260
Carbon Disulfide	ND		5.1	0.83	ug/Kg	02/05/15	JLI	SW8260
Carbon tetrachloride	ND		5.1	0.59	ug/Kg	02/05/15	JLI	SW8260
Chlorobenzene	ND		5.1	0.75	ug/Kg	02/05/15	JLI	SW8260
Chloroethane	ND		5.1	1.2	ug/Kg	02/05/15	JLI	SW8260
Chloroform	ND		5.1	0.93	ug/Kg	02/05/15	JLI	SW8260
Chloromethane	ND		5.1	2.7	ug/Kg	02/05/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		5.1	1.1	ug/Kg	02/05/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		5.1	0.55	ug/Kg	02/05/15	JLI	SW8260
Cyclohexane	ND		5.1	5.1	ug/Kg	02/05/15	JLI	SW8260
Dibromochloromethane	ND		5.1	0.57	ug/Kg	02/05/15	JLI	SW8260
Dichlorodifluoromethane	ND		5.1	1.4	ug/Kg	02/05/15	JLI	SW8260
Ethylbenzene	ND		5.1	0.93	ug/Kg	02/05/15	JLI	SW8260
Isopropylbenzene	ND		250	47	ug/Kg	02/04/15	JLI	SW8260
m&p-Xylene	ND		5.1	2.0	ug/Kg	02/05/15	JLI	SW8260
Methyl ethyl ketone	ND		31	4.4	ug/Kg	02/05/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		10	1.4	ug/Kg	02/05/15	JLI	SW8260
Methylacetate	ND		5.1	5.1	ug/Kg	02/05/15	JLI	SW8260
Methylcyclohexane	ND		5.1	5.1	ug/Kg	02/05/15	JLI	SW8260
Methylene chloride	1.5	JS	5.1	0.84	ug/Kg	02/05/15	JLI	SW8260
o-Xylene	ND		5.1	1.9	ug/Kg	02/05/15	JLI	SW8260
Styrene	ND		5.1	1.5	ug/Kg	02/05/15	JLI	SW8260
tert-butyl alcohol	ND		100	100	ug/Kg	02/05/15	JLI	SW8260
Tetrachloroethene	ND		5.1	1.1	ug/Kg	02/05/15	JLI	SW8260
Toluene	78	J	250	39	ug/Kg	02/04/15	JLI	SW8260
Total Xylenes	ND		5.1	5.1	ug/Kg	02/05/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		5.1	1.0	ug/Kg	02/05/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		5.1	1.0	ug/Kg	02/05/15	JLI	SW8260
Trichloroethene	ND		5.1	1.1	ug/Kg	02/05/15	JLI	SW8260
Trichlorofluoromethane	ND		5.1	1.1	ug/Kg	02/05/15	JLI	SW8260
Trichlorotrifluoroethane	ND		5.1	0.80	ug/Kg	02/05/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 17 1-2

Phoenix I.D.: BH69814

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	5.1	1.7	ug/Kg	02/05/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	02/04/15	JLI	70 - 130 %	
% Bromofluorobenzene	94			%	02/04/15	JLI	70 - 130 %	
% Dibromofluoromethane	103			%	02/05/15	JLI	70 - 130 %	
% Toluene-d8	89			%	02/05/15	JLI	70 - 130 %	
Vinyl Acetate	ND	51	51	ug/Kg	02/05/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
February 11, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 11, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/03/15	13:10
Location Code:	IMPACT	Received by:	SW	02/03/15	18:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	7336				

Laboratory Data

SDG ID: GBH69802
Phoenix ID: BH69815

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 17 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.37	0.37	0.37	mg/Kg	02/04/15	LK	SW6010	
Aluminum	3190	55	7.4	mg/Kg	02/04/15	LK	SW6010	B
Arsenic	5.4	0.7	0.74	mg/Kg	02/04/15	LK	SW6010	
Barium	42.5	0.37	0.37	mg/Kg	02/04/15	LK	SW6010	
Beryllium	< 0.29	0.29	0.15	mg/Kg	02/04/15	LK	SW6010	
Calcium	4600	5.5	3.4	mg/Kg	02/04/15	LK	SW6010	B
Cadmium	< 0.37	0.37	0.15	mg/Kg	02/04/15	LK	SW6010	
Cobalt	3.45	0.37	0.37	mg/Kg	02/04/15	LK	SW6010	
Chromium	11.6	0.37	0.37	mg/Kg	02/04/15	LK	SW6010	
Copper	14.0	0.37	0.37	mg/kg	02/04/15	LK	SW6010	
Iron	8740	5.5	3.7	mg/Kg	02/04/15	LK	SW6010	B
Mercury	0.20	0.03	0.02	mg/Kg	02/04/15	RS	SW-7471	
Potassium	536	5.5	2.9	mg/Kg	02/04/15	LK	SW6010	
Magnesium	1670	5.5	3.7	mg/Kg	02/04/15	LK	SW6010	B
Manganese	138	0.37	0.37	mg/Kg	02/04/15	LK	SW6010	B
Sodium	302	5.5	3.2	mg/Kg	02/04/15	LK	SW6010	
Nickel	11.5	0.37	0.37	mg/Kg	02/04/15	LK	SW6010	
Lead	65.2	0.37	0.37	mg/Kg	02/04/15	LK	SW6010	
Antimony	< 3.7	3.7	1.8	mg/Kg	02/04/15	LK	SW6010	
Selenium	< 1.5	1.5	1.3	mg/Kg	02/04/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/05/15	LK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/05/15	LK	SW6010	
TCLP Barium	0.67	0.10	0.010	mg/L	02/05/15	LK	SW6010	
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/05/15	LK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/05/15	LK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/05/15	RS	SW7470	
TCLP Lead	0.17	0.10	0.010	mg/L	02/05/15	LK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/05/15	LK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 17 COMP

Phoenix I.D.: BH69815

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.3	3.3	1.5	mg/Kg	02/04/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/05/15	I/I	SW3005	
Trivalent Chromium	11.6	0.50		mg/kg	02/05/15	CL	Calculation	
Vanadium	11.1	0.37	0.37	mg/Kg	02/04/15	LK	SW6010	
Zinc	53.1	0.37	0.37	mg/Kg	02/04/15	LK	SW6010	
Percent Solid	93			%	02/03/15	I	SW846	
Corrosivity	Negative			Pos/Neg	02/03/15	O/EG	SW846	1
Flash Point	>200	200		degree F	02/05/15	Y	SW1010	
Chromium, Hexavalent	< 0.43	0.43	0.43	mg/Kg	02/05/15 13:03	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/05/15	Y	SW846	1
pH - Soil	9.68	0.10		pH Units	02/03/15 21:30	O/EG	4500-H B/9045	1
Reactivity Cyanide	< 5.4	5.4	0.027	mg/Kg	02/03/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/04/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/04/15	EG	SW 846-7.3	1
Redox Potential	179	1.0		mV	02/03/15	O/EG	SM2580B	1
Total Cyanide	< 0.54	0.54	0.27	mg/Kg	02/04/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				02/03/15	JC/H	SW3545	
Soil Extraction for Pesticide	Completed				02/03/15	JC	SW3545	
Soil Extraction for SVOA	Completed				02/03/15	JJ/VH	SW3545	
Mercury Digestion	Completed				02/04/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/03/15	P/D	SW8151	
TCLP Digestion Mercury	Completed				02/05/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/04/15	F/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				02/03/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				02/03/15	I	1311	
TCLP Pesticides Extraction	Completed				02/04/15	T	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/04/15	L	SW3510	
TCLP Extraction Volatiles	Completed				02/03/15	Y	EPA 1311	
Total Metals Digest	Completed				02/03/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				02/03/15	BC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	44	44	ug/Kg	02/05/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	44	44	ug/Kg	02/05/15	BB	SW8151	
2,4-D	ND	44	44	ug/Kg	02/05/15	BB	SW8151	
2,4-DB	ND	440	440	ug/Kg	02/05/15	BB	SW8151	
Dalapon	ND	44	44	ug/Kg	02/05/15	BB	SW8151	
Dicamba	ND	88	88	ug/Kg	02/05/15	BB	SW8151	
Dichloroprop	ND	44	44	ug/Kg	02/05/15	BB	SW8151	
Dinoseb	ND	88	88	ug/Kg	02/05/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	65			%	02/05/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	71	71	ug/Kg	02/04/15	AW	SW 8082	
PCB-1221	ND	71	71	ug/Kg	02/04/15	AW	SW 8082	
PCB-1232	ND	71	71	ug/Kg	02/04/15	AW	SW 8082	
PCB-1242	ND	71	71	ug/Kg	02/04/15	AW	SW 8082	
PCB-1248	ND	71	71	ug/Kg	02/04/15	AW	SW 8082	
PCB-1254	ND	71	71	ug/Kg	02/04/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 17 COMP

Phoenix I.D.: BH69815

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	71	71	ug/Kg	02/04/15	AW	SW 8082
PCB-1262	ND	71	71	ug/Kg	02/04/15	AW	SW 8082
PCB-1268	ND	71	71	ug/Kg	02/04/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	98			%	02/04/15	AW	30 - 150 %
% TCMX	85			%	02/04/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.1	2.1	ug/Kg	02/05/15	CE	SW8081
4,4' -DDE	ND	2.1	2.1	ug/Kg	02/05/15	CE	SW8081
4,4' -DDT	ND	2.1	2.1	ug/Kg	02/05/15	CE	SW8081
a-BHC	ND	7.0	7.0	ug/Kg	02/05/15	CE	SW8081
a-Chlordane	ND	3.5	3.5	ug/Kg	02/05/15	CE	SW8081
Aldrin	ND	3.5	3.5	ug/Kg	02/05/15	CE	SW8081
b-BHC	ND	7.0	7.0	ug/Kg	02/05/15	CE	SW8081
Chlordane	ND	35	35	ug/Kg	02/05/15	CE	SW8081
d-BHC	ND	7.0	7.0	ug/Kg	02/05/15	CE	SW8081
Dieldrin	ND	3.5	3.5	ug/Kg	02/05/15	CE	SW8081
Endosulfan I	ND	7.0	7.0	ug/Kg	02/05/15	CE	SW8081
Endosulfan II	ND	7.0	7.0	ug/Kg	02/05/15	CE	SW8081
Endosulfan sulfate	ND	7.0	7.0	ug/Kg	02/05/15	CE	SW8081
Endrin	ND	7.0	7.0	ug/Kg	02/05/15	CE	SW8081
Endrin aldehyde	ND	7.0	7.0	ug/Kg	02/05/15	CE	SW8081
Endrin ketone	ND	7.0	7.0	ug/Kg	02/05/15	CE	SW8081
g-BHC	ND	1.4	1.4	ug/Kg	02/05/15	CE	SW8081
g-Chlordane	ND	3.5	3.5	ug/Kg	02/05/15	CE	SW8081
Heptachlor	ND	7.0	7.0	ug/Kg	02/05/15	CE	SW8081
Heptachlor epoxide	ND	7.0	7.0	ug/Kg	02/05/15	CE	SW8081
Methoxychlor	ND	35	35	ug/Kg	02/05/15	CE	SW8081
Toxaphene	ND	140	140	ug/Kg	02/05/15	CE	SW8081
QA/QC Surrogates							
% DCBP	91			%	02/05/15	CE	30 - 150 %
% TCMX	89			%	02/05/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/05/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/05/15	BB	SW8151
QA/QC Surrogates							
% DCAA	64			%	02/05/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/06/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/06/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/06/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/06/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/06/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/06/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/06/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/06/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/06/15	CE	SW 8081

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 17 COMP

Phoenix I.D.: BH69815

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/06/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/06/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/06/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/06/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/06/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/06/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/06/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/06/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/06/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/06/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/06/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	104			%	02/06/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	88			%	02/06/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	52	52	mg/Kg	02/04/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	80			%	02/04/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/05/15	HM	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/05/15	HM	SW8260
Benzene	ND	25	25	ug/L	02/05/15	HM	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/05/15	HM	SW8260
Chlorobenzene	ND	25	25	ug/L	02/05/15	HM	SW8260
Chloroform	ND	25	25	ug/L	02/05/15	HM	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/05/15	HM	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/05/15	HM	SW8260
Trichloroethene	ND	25	25	ug/L	02/05/15	HM	SW8260
Vinyl chloride	ND	25	25	ug/L	02/05/15	HM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	98			%	02/05/15	HM	70 - 130 %
% Bromofluorobenzene	93			%	02/05/15	HM	70 - 130 %
% Dibromofluoromethane	103			%	02/05/15	HM	70 - 130 %
% Toluene-d8	100			%	02/05/15	HM	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	240	110	ug/Kg	02/04/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	02/04/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	350	350	ug/Kg	02/04/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	240	160	ug/Kg	02/04/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	02/04/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	02/04/15	DD	SW 8270
2,4-Dichlorophenol	ND	140	120	ug/Kg	02/04/15	DD	SW 8270
2,4-Dimethylphenol	ND	240	87	ug/Kg	02/04/15	DD	SW 8270
2,4-Dinitrophenol	ND	240	240	ug/Kg	02/04/15	DD	SW 8270
2,4-Dinitrotoluene	ND	140	140	ug/Kg	02/04/15	DD	SW 8270
2,6-Dinitrotoluene	ND	140	110	ug/Kg	02/04/15	DD	SW 8270
2-Chloronaphthalene	ND	240	99	ug/Kg	02/04/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 17 COMP

Phoenix I.D.: BH69815

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		240	99	ug/Kg	02/04/15	DD	SW 8270	
2-Methylnaphthalene	ND		240	100	ug/Kg	02/04/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		240	160	ug/Kg	02/04/15	DD	SW 8270	
2-Nitroaniline	ND		1700	350	ug/Kg	02/04/15	DD	SW 8270	
2-Nitrophenol	ND		240	220	ug/Kg	02/04/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		240	140	ug/Kg	02/04/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		140	160	ug/Kg	02/04/15	DD	SW 8270	
3-Nitroaniline	ND		1700	760	ug/Kg	02/04/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		240	380	ug/Kg	02/04/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		240	100	ug/Kg	02/04/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		240	120	ug/Kg	02/04/15	DD	SW 8270	
4-Chloroaniline	ND		700	160	ug/Kg	02/04/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		240	120	ug/Kg	02/04/15	DD	SW 8270	
4-Nitroaniline	ND		1700	120	ug/Kg	02/04/15	DD	SW 8270	
4-Nitrophenol	ND		1700	160	ug/Kg	02/04/15	DD	SW 8270	
Acenaphthene	ND		240	110	ug/Kg	02/04/15	DD	SW 8270	
Acenaphthylene	ND		140	98	ug/Kg	02/04/15	DD	SW 8270	
Acetophenone	ND		240	110	ug/Kg	02/04/15	DD	SW 8270	
Anthracene	ND		240	110	ug/Kg	02/04/15	DD	SW 8270	
Atrazine	ND		140	160	ug/Kg	02/04/15	DD	SW 8270	
Benz(a)anthracene	120	J	240	120	ug/Kg	02/04/15	DD	SW 8270	
Benzaldehyde	ND		240	100	ug/Kg	02/04/15	DD	SW 8270	
Benzidine	ND		520	520	ug/Kg	02/04/15	DD	SW 8270	
Benzo(a)pyrene	ND		140	110	ug/Kg	02/04/15	DD	SW 8270	
Benzo(b)fluoranthene	160	J	240	120	ug/Kg	02/04/15	DD	SW 8270	
Benzo(ghi)perylene	ND		240	110	ug/Kg	02/04/15	DD	SW 8270	
Benzo(k)fluoranthene	ND		240	120	ug/Kg	02/04/15	DD	SW 8270	
Benzyl Alcohol	ND		350	350	ug/Kg	02/04/15	DD	SW 8270	
Benzyl butyl phthalate	ND		240	90	ug/Kg	02/04/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		240	96	ug/Kg	02/04/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		140	94	ug/Kg	02/04/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		240	97	ug/Kg	02/04/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		240	100	ug/Kg	02/04/15	DD	SW 8270	
Caprolactam	ND		240	620	ug/Kg	02/04/15	DD	SW 8270	
Carbazole	ND		1700	260	ug/Kg	02/04/15	DD	SW 8270	
Chrysene	ND		240	120	ug/Kg	02/04/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		140	110	ug/Kg	02/04/15	DD	SW 8270	
Dibenzofuran	ND		240	100	ug/Kg	02/04/15	DD	SW 8270	
Diethyl phthalate	ND		240	110	ug/Kg	02/04/15	DD	SW 8270	
Dimethylphthalate	ND		240	110	ug/Kg	02/04/15	DD	SW 8270	
Di-n-butylphthalate	ND		240	93	ug/Kg	02/04/15	DD	SW 8270	
Di-n-octylphthalate	ND		240	90	ug/Kg	02/04/15	DD	SW 8270	
Fluoranthene	190	J	240	110	ug/Kg	02/04/15	DD	SW 8270	
Fluorene	ND		240	120	ug/Kg	02/04/15	DD	SW 8270	
Hexachlorobenzene	ND		140	100	ug/Kg	02/04/15	DD	SW 8270	
Hexachlorobutadiene	ND		240	130	ug/Kg	02/04/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		240	110	ug/Kg	02/04/15	DD	SW 8270	
Hexachloroethane	ND		140	100	ug/Kg	02/04/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND		240	120	ug/Kg	02/04/15	DD	SW 8270	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND		140	98	ug/Kg	02/04/15	DD	SW 8270	
Naphthalene	ND		240	100	ug/Kg	02/04/15	DD	SW 8270	
Nitrobenzene	ND		140	120	ug/Kg	02/04/15	DD	SW 8270	
N-Nitrosodimethylamine	ND		240	98	ug/Kg	02/04/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		140	110	ug/Kg	02/04/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND		140	130	ug/Kg	02/04/15	DD	SW 8270	
Pentachlorophenol	ND		240	130	ug/Kg	02/04/15	DD	SW 8270	
Phenanthrene	ND		140	100	ug/Kg	02/04/15	DD	SW 8270	
Phenol	ND		240	110	ug/Kg	02/04/15	DD	SW 8270	
Pyrene	190	J	240	120	ug/Kg	02/04/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	75				%	02/04/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	88				%	02/04/15	DD	30 - 130 %	
% 2-Fluorophenol	76				%	02/04/15	DD	30 - 130 %	
% Nitrobenzene-d5	76				%	02/04/15	DD	30 - 130 %	
% Phenol-d5	78				%	02/04/15	DD	30 - 130 %	
% Terphenyl-d14	111				%	02/04/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral									
1,4-Dichlorobenzene	ND		83	83	ug/L	02/05/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND		83	83	ug/L	02/05/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND		83	83	ug/L	02/05/15	DD	SW 8270	
2,4-Dinitrotoluene	ND		83	83	ug/L	02/05/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		83	83	ug/L	02/05/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND		83	83	ug/L	02/05/15	DD	SW 8270	
Hexachlorobenzene	ND		83	83	ug/L	02/05/15	DD	SW 8270	
Hexachlorobutadiene	ND		83	83	ug/L	02/05/15	DD	SW 8270	
Hexachloroethane	ND		83	83	ug/L	02/05/15	DD	SW 8270	
Nitrobenzene	ND		83	83	ug/L	02/05/15	DD	SW 8270	
Pentachlorophenol	ND		83	83	ug/L	02/05/15	DD	SW 8270	
Pyridine	ND		83	83	ug/L	02/05/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	97				%	02/05/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	65				%	02/05/15	DD	30 - 130 %	
% 2-Fluorophenol	47				%	02/05/15	DD	15 - 110 %	
% Nitrobenzene-d5	75				%	02/05/15	DD	30 - 130 %	
% Phenol-d5	42				%	02/05/15	DD	15 - 110 %	
% Terphenyl-d14	79				%	02/05/15	DD	30 - 130 %	
Aniline	ND		330		ug/Kg	02/04/15	DD	SW8270	
Benzoic Acid	ND		330		ug/Kg	02/04/15	DD	SW8270	1
Parathion	ND		350	140	ug/Kg	02/04/15	DD	SW8270	1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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 11, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 11, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/03/15	13:35
Location Code:	IMPACT	Received by:	SW	02/03/15	18:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	7336				

Laboratory Data

SDG ID: GBH69802
Phoenix ID: BH69816

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 16 1-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/03/15	I	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	4.9	0.97	ug/Kg	02/05/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	4.9	0.97	ug/Kg	02/05/15	JLI	SW8260
1,3-Dichlorobenzene	ND	4.9	0.97	ug/Kg	02/05/15	JLI	SW8260
Naphthalene	ND	4.9	1.3	ug/Kg	02/05/15	JLI	SW8260
n-Butylbenzene	ND	4.9	0.97	ug/Kg	02/05/15	JLI	SW8260
n-Propylbenzene	ND	4.9	0.97	ug/Kg	02/05/15	JLI	SW8260
p-Isopropyltoluene	ND	4.9	0.97	ug/Kg	02/05/15	JLI	SW8260
sec-Butylbenzene	ND	4.9	0.97	ug/Kg	02/05/15	JLI	SW8260
tert-Butylbenzene	ND	4.9	0.97	ug/Kg	02/05/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99			%	02/05/15	JLI	SW8260
% Bromofluorobenzene	94			%	02/05/15	JLI	SW8260
% Dibromofluoromethane	100			%	02/05/15	JLI	SW8260
% Toluene-d8	89			%	02/05/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	97	97	ug/kg	02/05/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	4.9	0.97	ug/Kg	02/05/15	JLI	SW8260
1,1,1-Trichloroethane	ND	4.9	0.97	ug/Kg	02/05/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	4.9	0.69	ug/Kg	02/05/15	JLI	SW8260
1,1,2-Trichloroethane	ND	4.9	0.48	ug/Kg	02/05/15	JLI	SW8260
1,1-Dichloroethane	ND	4.9	0.96	ug/Kg	02/05/15	JLI	SW8260
1,1-Dichloroethene	ND	4.9	1.1	ug/Kg	02/05/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 16 1-2

Phoenix I.D.: BH69816

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND	4.9	0.65	ug/Kg	02/05/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND	4.9	0.57	ug/Kg	02/05/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	4.9	1.3	ug/Kg	02/05/15	JLI	SW8260
1,2-Dibromoethane	ND	4.9	1.3	ug/Kg	02/05/15	JLI	SW8260
1,2-Dichlorobenzene	ND	4.9	0.53	ug/Kg	02/05/15	JLI	SW8260
1,2-Dichloroethane	ND	4.9	0.43	ug/Kg	02/05/15	JLI	SW8260
1,2-Dichloropropane	ND	4.9	0.69	ug/Kg	02/05/15	JLI	SW8260
1,3-Dichlorobenzene	ND	4.9	0.72	ug/Kg	02/05/15	JLI	SW8260
1,4-Dichlorobenzene	ND	4.9	0.77	ug/Kg	02/05/15	JLI	SW8260
2-Hexanone	ND	24	2.2	ug/Kg	02/05/15	JLI	SW8260
4-Methyl-2-pentanone	ND	24	1.2	ug/Kg	02/05/15	JLI	SW8260
Acetone	ND	49	4.8	ug/Kg	02/05/15	JLI	SW8260
Acrolein	ND	24	3.9	ug/Kg	02/05/15	JLI	SW8260
Acrylonitrile	ND	9.7	2.7	ug/Kg	02/05/15	JLI	SW8260
Benzene	ND	4.9	0.96	ug/Kg	02/05/15	JLI	SW8260
Bromochloromethane	ND	4.9	0.71	ug/Kg	02/05/15	JLI	SW8260
Bromodichloromethane	ND	4.9	0.60	ug/Kg	02/05/15	JLI	SW8260
Bromoform	ND	4.9	0.68	ug/Kg	02/05/15	JLI	SW8260
Bromomethane	ND	4.9	3.7	ug/Kg	02/05/15	JLI	SW8260
Carbon Disulfide	ND	4.9	0.79	ug/Kg	02/05/15	JLI	SW8260
Carbon tetrachloride	ND	4.9	0.56	ug/Kg	02/05/15	JLI	SW8260
Chlorobenzene	ND	4.9	0.72	ug/Kg	02/05/15	JLI	SW8260
Chloroethane	ND	4.9	1.1	ug/Kg	02/05/15	JLI	SW8260
Chloroform	ND	4.9	0.88	ug/Kg	02/05/15	JLI	SW8260
Chloromethane	ND	4.9	2.5	ug/Kg	02/05/15	JLI	SW8260
cis-1,2-Dichloroethene	ND	4.9	1.1	ug/Kg	02/05/15	JLI	SW8260
cis-1,3-Dichloropropene	ND	4.9	0.52	ug/Kg	02/05/15	JLI	SW8260
Cyclohexane	ND	4.9	4.9	ug/Kg	02/05/15	JLI	SW8260
Dibromochloromethane	ND	4.9	0.54	ug/Kg	02/05/15	JLI	SW8260
Dichlorodifluoromethane	ND	4.9	1.3	ug/Kg	02/05/15	JLI	SW8260
Ethylbenzene	ND	4.9	0.88	ug/Kg	02/05/15	JLI	SW8260
Isopropylbenzene	ND	4.9	0.93	ug/Kg	02/05/15	JLI	SW8260
m&p-Xylene	ND	4.9	1.9	ug/Kg	02/05/15	JLI	SW8260
Methyl ethyl ketone	ND	29	4.2	ug/Kg	02/05/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	9.7	1.3	ug/Kg	02/05/15	JLI	SW8260
Methylacetate	ND	4.9	4.9	ug/Kg	02/05/15	JLI	SW8260
Methylcyclohexane	ND	4.9	4.9	ug/Kg	02/05/15	JLI	SW8260
Methylene chloride	ND	4.9	0.80	ug/Kg	02/05/15	JLI	SW8260
o-Xylene	ND	4.9	1.9	ug/Kg	02/05/15	JLI	SW8260
Styrene	ND	4.9	1.4	ug/Kg	02/05/15	JLI	SW8260
tert-butyl alcohol	ND	97	97	ug/Kg	02/05/15	JLI	SW8260
Tetrachloroethene	ND	4.9	1.0	ug/Kg	02/05/15	JLI	SW8260
Toluene	ND	4.9	0.77	ug/Kg	02/05/15	JLI	SW8260
Total Xylenes	ND	4.9	4.9	ug/Kg	02/05/15	JLI	SW8260
trans-1,2-Dichloroethene	ND	4.9	0.97	ug/Kg	02/05/15	JLI	SW8260
trans-1,3-Dichloropropene	ND	4.9	0.99	ug/Kg	02/05/15	JLI	SW8260
Trichloroethene	ND	4.9	1.0	ug/Kg	02/05/15	JLI	SW8260
Trichlorofluoromethane	ND	4.9	1.1	ug/Kg	02/05/15	JLI	SW8260
Trichlorotrifluoroethane	ND	4.9	0.76	ug/Kg	02/05/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 16 1-2

Phoenix I.D.: BH69816

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	4.9	1.6	ug/Kg	02/05/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	02/05/15	JLI	70 - 130 %	
% Bromofluorobenzene	91			%	02/05/15	JLI	70 - 130 %	
% Dibromofluoromethane	101			%	02/05/15	JLI	70 - 130 %	
% Toluene-d8	89			%	02/05/15	JLI	70 - 130 %	
Vinyl Acetate	ND	49	49	ug/Kg	02/05/15	JLI	SW8260TIC	1

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

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

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

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 11, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 11, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/03/15	13:35
Location Code:	IMPACT	Received by:	SW	02/03/15	18:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	7336				

Laboratory Data

SDG ID: GBH69802
Phoenix ID: BH69817

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 16 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.35	0.35	0.35	mg/Kg	02/04/15	LK	SW6010	
Aluminum	9470	53	7.0	mg/Kg	02/04/15	LK	SW6010	B
Arsenic	6.2	0.7	0.70	mg/Kg	02/04/15	LK	SW6010	
Barium	109	0.35	0.35	mg/Kg	02/04/15	LK	SW6010	
Beryllium	0.56	0.28	0.14	mg/Kg	02/04/15	LK	SW6010	
Calcium	6780	5.3	3.2	mg/Kg	02/04/15	LK	SW6010	B
Cadmium	< 0.35	0.35	0.14	mg/Kg	02/04/15	LK	SW6010	
Cobalt	7.91	0.35	0.35	mg/Kg	02/04/15	LK	SW6010	
Chromium	18.9	0.35	0.35	mg/Kg	02/04/15	LK	SW6010	
Copper	26.0	0.35	0.35	mg/kg	02/04/15	LK	SW6010	
Iron	17900	53	35	mg/Kg	02/04/15	LK	SW6010	B
Mercury	0.09	0.03	0.02	mg/Kg	02/04/15	RS	SW-7471	
Potassium	1210	5.3	2.7	mg/Kg	02/04/15	LK	SW6010	
Magnesium	2770	5.3	3.5	mg/Kg	02/04/15	LK	SW6010	B
Manganese	275	3.5	3.5	mg/Kg	02/04/15	LK	SW6010	B
Sodium	644	5.3	3.0	mg/Kg	02/04/15	LK	SW6010	
Nickel	23.6	0.35	0.35	mg/Kg	02/04/15	LK	SW6010	
Lead	145	3.5	3.5	mg/Kg	02/04/15	LK	SW6010	
Antimony	< 3.5	3.5	1.8	mg/Kg	02/04/15	LK	SW6010	
Selenium	< 1.4	1.4	1.2	mg/Kg	02/04/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/05/15	LK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/05/15	LK	SW6010	
TCLP Barium	0.94	0.10	0.010	mg/L	02/05/15	LK	SW6010	
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/05/15	LK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/05/15	LK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/05/15	RS	SW7470	
TCLP Lead	0.70	0.10	0.010	mg/L	02/05/15	LK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/05/15	LK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 16 COMP

Phoenix I.D.: BH69817

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.2	3.2	1.4	mg/Kg	02/04/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/05/15	I/I	SW3005	
Trivalent Chromium	18.9	0.50		mg/kg	02/05/15	CL	Calculation	
Vanadium	25.2	0.35	0.35	mg/Kg	02/04/15	LK	SW6010	
Zinc	116	0.35	0.35	mg/Kg	02/04/15	LK	SW6010	
Percent Solid	89			%	02/03/15	I	SW846	
Corrosivity	Negative			Pos/Neg	02/03/15	O/EG	SW846	1
Flash Point	>200	200		degree F	02/05/15	Y	SW1010	
Chromium, Hexavalent	< 0.45	0.45	0.45	mg/Kg	02/05/15 13:03	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/05/15	Y	SW846	1
pH - Soil	8.70	0.10		pH Units	02/03/15 21:30	O/EG	4500-H B/9045	1
Reactivity Cyanide	< 5.5	5.5	0.028	mg/Kg	02/03/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/04/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/04/15	EG	SW 846-7.3	1
Redox Potential	176	1.0		mV	02/03/15	O/EG	SM2580B	1
Total Cyanide	< 0.51	0.51	0.26	mg/Kg	02/04/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				02/04/15	CC/H	SW3545	
Soil Extraction for Pesticide	Completed				02/04/15	CC	SW3545	
Soil Extraction for SVOA	Completed				02/04/15	JJ/VH	SW3545	
Mercury Digestion	Completed				02/04/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/03/15	P/D	SW8151	
TCLP Digestion Mercury	Completed				02/05/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/04/15	F/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				02/03/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				02/03/15	I	1311	
TCLP Pesticides Extraction	Completed				02/04/15	T	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/04/15	L	SW3510	
TCLP Extraction Volatiles	Completed				02/03/15	Y	EPA 1311	
Total Metals Digest	Completed				02/03/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				02/03/15	BC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	46	46	ug/Kg	02/04/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	46	46	ug/Kg	02/04/15	BB	SW8151	
2,4-D	ND	46	46	ug/Kg	02/04/15	BB	SW8151	
2,4-DB	ND	460	460	ug/Kg	02/04/15	BB	SW8151	
Dalapon	ND	46	46	ug/Kg	02/04/15	BB	SW8151	
Dicamba	ND	93	93	ug/Kg	02/04/15	BB	SW8151	
Dichloroprop	ND	46	46	ug/Kg	02/04/15	BB	SW8151	
Dinoseb	ND	93	93	ug/Kg	02/04/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	63			%	02/04/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	75	75	ug/Kg	02/05/15	AW	SW 8082	
PCB-1221	ND	75	75	ug/Kg	02/05/15	AW	SW 8082	
PCB-1232	ND	75	75	ug/Kg	02/05/15	AW	SW 8082	
PCB-1242	ND	75	75	ug/Kg	02/05/15	AW	SW 8082	
PCB-1248	ND	75	75	ug/Kg	02/05/15	AW	SW 8082	
PCB-1254	ND	75	75	ug/Kg	02/05/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 16 COMP

Phoenix I.D.: BH69817

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	75	75	ug/Kg	02/05/15	AW	SW 8082
PCB-1262	ND	75	75	ug/Kg	02/05/15	AW	SW 8082
PCB-1268	ND	75	75	ug/Kg	02/05/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	77			%	02/05/15	AW	30 - 150 %
% TCMX	72			%	02/05/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.2	2.2	ug/Kg	02/05/15	CE	SW8081
4,4' -DDE	ND	2.2	2.2	ug/Kg	02/05/15	CE	SW8081
4,4' -DDT	ND	2.2	2.2	ug/Kg	02/05/15	CE	SW8081
a-BHC	ND	7.5	7.5	ug/Kg	02/05/15	CE	SW8081
a-Chlordane	ND	3.7	3.7	ug/Kg	02/05/15	CE	SW8081
Aldrin	ND	3.7	3.7	ug/Kg	02/05/15	CE	SW8081
b-BHC	ND	7.5	7.5	ug/Kg	02/05/15	CE	SW8081
Chlordane	ND	37	37	ug/Kg	02/05/15	CE	SW8081
d-BHC	ND	7.5	7.5	ug/Kg	02/05/15	CE	SW8081
Dieldrin	ND	3.7	3.7	ug/Kg	02/05/15	CE	SW8081
Endosulfan I	ND	7.5	7.5	ug/Kg	02/05/15	CE	SW8081
Endosulfan II	ND	7.5	7.5	ug/Kg	02/05/15	CE	SW8081
Endosulfan sulfate	ND	7.5	7.5	ug/Kg	02/05/15	CE	SW8081
Endrin	ND	7.5	7.5	ug/Kg	02/05/15	CE	SW8081
Endrin aldehyde	ND	7.5	7.5	ug/Kg	02/05/15	CE	SW8081
Endrin ketone	ND	7.5	7.5	ug/Kg	02/05/15	CE	SW8081
g-BHC	ND	1.5	1.5	ug/Kg	02/05/15	CE	SW8081
g-Chlordane	ND	3.7	3.7	ug/Kg	02/05/15	CE	SW8081
Heptachlor	ND	7.5	7.5	ug/Kg	02/05/15	CE	SW8081
Heptachlor epoxide	ND	7.5	7.5	ug/Kg	02/05/15	CE	SW8081
Methoxychlor	ND	37	37	ug/Kg	02/05/15	CE	SW8081
Toxaphene	ND	150	150	ug/Kg	02/05/15	CE	SW8081
QA/QC Surrogates							
% DCBP	78			%	02/05/15	CE	30 - 150 %
% TCMX	77			%	02/05/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/05/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/05/15	BB	SW8151
QA/QC Surrogates							
% DCAA	72			%	02/05/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/06/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/06/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/06/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/06/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/06/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/06/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/06/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/06/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/06/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/06/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/06/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/06/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/06/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/06/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/06/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/06/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/06/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/06/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/06/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/06/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	103			%	02/06/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	97			%	02/06/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	55	55	mg/Kg	02/04/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	81			%	02/04/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/05/15	HM	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/05/15	HM	SW8260
Benzene	ND	25	25	ug/L	02/05/15	HM	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/05/15	HM	SW8260
Chlorobenzene	ND	25	25	ug/L	02/05/15	HM	SW8260
Chloroform	ND	25	25	ug/L	02/05/15	HM	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/05/15	HM	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/05/15	HM	SW8260
Trichloroethene	ND	25	25	ug/L	02/05/15	HM	SW8260
Vinyl chloride	ND	25	25	ug/L	02/05/15	HM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	96			%	02/05/15	HM	70 - 130 %
% Bromofluorobenzene	91			%	02/05/15	HM	70 - 130 %
% Dibromofluoromethane	95			%	02/05/15	HM	70 - 130 %
% Toluene-d8	102			%	02/05/15	HM	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	260	110	ug/Kg	02/05/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	02/05/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	370	370	ug/Kg	02/05/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	260	170	ug/Kg	02/05/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	02/05/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	02/05/15	DD	SW 8270
2,4-Dichlorophenol	ND	150	130	ug/Kg	02/05/15	DD	SW 8270
2,4-Dimethylphenol	ND	260	91	ug/Kg	02/05/15	DD	SW 8270
2,4-Dinitrophenol	ND	260	260	ug/Kg	02/05/15	DD	SW 8270
2,4-Dinitrotoluene	ND	150	140	ug/Kg	02/05/15	DD	SW 8270
2,6-Dinitrotoluene	ND	150	120	ug/Kg	02/05/15	DD	SW 8270
2-Chloronaphthalene	ND	260	100	ug/Kg	02/05/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 16 COMP

Phoenix I.D.: BH69817

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		260	100	ug/Kg	02/05/15	DD	SW 8270	
2-Methylnaphthalene	ND		260	110	ug/Kg	02/05/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		260	170	ug/Kg	02/05/15	DD	SW 8270	
2-Nitroaniline	ND		1800	370	ug/Kg	02/05/15	DD	SW 8270	
2-Nitrophenol	ND		260	230	ug/Kg	02/05/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		260	140	ug/Kg	02/05/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		150	170	ug/Kg	02/05/15	DD	SW 8270	
3-Nitroaniline	ND		1800	800	ug/Kg	02/05/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		260	390	ug/Kg	02/05/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		260	110	ug/Kg	02/05/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		260	130	ug/Kg	02/05/15	DD	SW 8270	
4-Chloroaniline	ND		730	170	ug/Kg	02/05/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		260	120	ug/Kg	02/05/15	DD	SW 8270	
4-Nitroaniline	ND		1800	120	ug/Kg	02/05/15	DD	SW 8270	
4-Nitrophenol	ND		1800	170	ug/Kg	02/05/15	DD	SW 8270	
Acenaphthene	ND		260	110	ug/Kg	02/05/15	DD	SW 8270	
Acenaphthylene	ND		150	100	ug/Kg	02/05/15	DD	SW 8270	
Acetophenone	ND		260	110	ug/Kg	02/05/15	DD	SW 8270	
Anthracene	140	J	260	120	ug/Kg	02/05/15	DD	SW 8270	
Atrazine	ND		150	160	ug/Kg	02/05/15	DD	SW 8270	
Benz(a)anthracene	500		260	120	ug/Kg	02/05/15	DD	SW 8270	
Benzaldehyde	ND		260	110	ug/Kg	02/05/15	DD	SW 8270	
Benzidine	ND		550	550	ug/Kg	02/05/15	DD	SW 8270	
Benzo(a)pyrene	390		150	120	ug/Kg	02/05/15	DD	SW 8270	
Benzo(b)fluoranthene	520		260	130	ug/Kg	02/05/15	DD	SW 8270	
Benzo(ghi)perylene	240	J	260	120	ug/Kg	02/05/15	DD	SW 8270	
Benzo(k)fluoranthene	200	J	260	120	ug/Kg	02/05/15	DD	SW 8270	
Benzyl Alcohol	ND		370	370	ug/Kg	02/05/15	DD	SW 8270	
Benzyl butyl phthalate	ND		260	94	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		260	100	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		150	99	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		260	100	ug/Kg	02/05/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		260	110	ug/Kg	02/05/15	DD	SW 8270	
Caprolactam	ND		260	650	ug/Kg	02/05/15	DD	SW 8270	
Carbazole	ND		1800	280	ug/Kg	02/05/15	DD	SW 8270	
Chrysene	500		260	120	ug/Kg	02/05/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		150	120	ug/Kg	02/05/15	DD	SW 8270	
Dibenzofuran	ND		260	110	ug/Kg	02/05/15	DD	SW 8270	
Diethyl phthalate	ND		260	120	ug/Kg	02/05/15	DD	SW 8270	
Dimethylphthalate	ND		260	110	ug/Kg	02/05/15	DD	SW 8270	
Di-n-butylphthalate	ND		260	97	ug/Kg	02/05/15	DD	SW 8270	
Di-n-octylphthalate	ND		260	94	ug/Kg	02/05/15	DD	SW 8270	
Fluoranthene	960		260	120	ug/Kg	02/05/15	DD	SW 8270	
Fluorene	ND		260	120	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorobenzene	ND		150	110	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorobutadiene	ND		260	130	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		260	110	ug/Kg	02/05/15	DD	SW 8270	
Hexachloroethane	ND		150	110	ug/Kg	02/05/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	240	J	260	120	ug/Kg	02/05/15	DD	SW 8270	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 16 COMP

Phoenix I.D.: BH69817

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND	150	100	ug/Kg	02/05/15	DD	SW 8270	
Naphthalene	ND	260	110	ug/Kg	02/05/15	DD	SW 8270	
Nitrobenzene	ND	150	130	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodimethylamine	ND	260	100	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	150	120	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND	150	140	ug/Kg	02/05/15	DD	SW 8270	
Pentachlorophenol	ND	260	140	ug/Kg	02/05/15	DD	SW 8270	
Phenanthrene	540	150	100	ug/Kg	02/05/15	DD	SW 8270	
Phenol	ND	260	120	ug/Kg	02/05/15	DD	SW 8270	
Pyrene	920	260	130	ug/Kg	02/05/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	97			%	02/05/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	76			%	02/05/15	DD	30 - 130 %	
% 2-Fluorophenol	72			%	02/05/15	DD	30 - 130 %	
% Nitrobenzene-d5	89			%	02/05/15	DD	30 - 130 %	
% Phenol-d5	80			%	02/05/15	DD	30 - 130 %	
% Terphenyl-d14	90			%	02/05/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral								
1,4-Dichlorobenzene	ND	83	83	ug/L	02/05/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND	83	83	ug/L	02/05/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND	83	83	ug/L	02/05/15	DD	SW 8270	
2,4-Dinitrotoluene	ND	83	83	ug/L	02/05/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	83	83	ug/L	02/05/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND	83	83	ug/L	02/05/15	DD	SW 8270	
Hexachlorobenzene	ND	83	83	ug/L	02/05/15	DD	SW 8270	
Hexachlorobutadiene	ND	83	83	ug/L	02/05/15	DD	SW 8270	
Hexachloroethane	ND	83	83	ug/L	02/05/15	DD	SW 8270	
Nitrobenzene	ND	83	83	ug/L	02/05/15	DD	SW 8270	
Pentachlorophenol	ND	83	83	ug/L	02/05/15	DD	SW 8270	
Pyridine	ND	83	83	ug/L	02/05/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	100			%	02/05/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	75			%	02/05/15	DD	30 - 130 %	
% 2-Fluorophenol	61			%	02/05/15	DD	15 - 110 %	
% Nitrobenzene-d5	92			%	02/05/15	DD	30 - 130 %	
% Phenol-d5	51			%	02/05/15	DD	15 - 110 %	
% Terphenyl-d14	81			%	02/05/15	DD	30 - 130 %	
Aniline	ND	330		ug/Kg	02/05/15	DD	SW8270	
Benzoic Acid	ND	330		ug/Kg	02/05/15	DD	SW8270	1
Parathion	ND	5		ug/Kg	02/05/15	DD	SW8270	1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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 11, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 11, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/03/15	13:55
Location Code:	IMPACT	Received by:	SW	02/03/15	18:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	7336				

Laboratory Data

SDG ID: GBH69802
Phoenix ID: BH69818

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 15 2-3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/03/15	I	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	5.3	1.1	ug/Kg	02/05/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	5.3	1.1	ug/Kg	02/05/15	JLI	SW8260
1,3-Dichlorobenzene	ND	5.3	1.1	ug/Kg	02/05/15	JLI	SW8260
Naphthalene	ND	5.3	1.4	ug/Kg	02/05/15	JLI	SW8260
n-Butylbenzene	ND	5.3	1.1	ug/Kg	02/05/15	JLI	SW8260
n-Propylbenzene	ND	5.3	1.1	ug/Kg	02/05/15	JLI	SW8260
p-Isopropyltoluene	ND	5.3	1.1	ug/Kg	02/05/15	JLI	SW8260
sec-Butylbenzene	ND	5.3	1.1	ug/Kg	02/05/15	JLI	SW8260
tert-Butylbenzene	ND	5.3	1.1	ug/Kg	02/05/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	98			%	02/05/15	JLI	SW8260
% Bromofluorobenzene	89			%	02/05/15	JLI	SW8260
% Dibromofluoromethane	104			%	02/05/15	JLI	SW8260
% Toluene-d8	88			%	02/05/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	100	100	ug/kg	02/05/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.3	1.1	ug/Kg	02/05/15	JLI	SW8260
1,1,1-Trichloroethane	ND	5.3	1.1	ug/Kg	02/05/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.3	0.75	ug/Kg	02/05/15	JLI	SW8260
1,1,2-Trichloroethane	ND	5.3	0.52	ug/Kg	02/05/15	JLI	SW8260
1,1-Dichloroethane	ND	5.3	1.0	ug/Kg	02/05/15	JLI	SW8260
1,1-Dichloroethene	ND	5.3	1.2	ug/Kg	02/05/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 15 2-3

Phoenix I.D.: BH69818

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		5.3	0.71	ug/Kg	02/05/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		5.3	0.63	ug/Kg	02/05/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		5.3	1.4	ug/Kg	02/05/15	JLI	SW8260
1,2-Dibromoethane	ND		5.3	1.4	ug/Kg	02/05/15	JLI	SW8260
1,2-Dichlorobenzene	ND		5.3	0.58	ug/Kg	02/05/15	JLI	SW8260
1,2-Dichloroethane	ND		5.3	0.47	ug/Kg	02/05/15	JLI	SW8260
1,2-Dichloropropane	ND		5.3	0.75	ug/Kg	02/05/15	JLI	SW8260
1,3-Dichlorobenzene	ND		5.3	0.78	ug/Kg	02/05/15	JLI	SW8260
1,4-Dichlorobenzene	ND		5.3	0.84	ug/Kg	02/05/15	JLI	SW8260
2-Hexanone	ND		27	2.4	ug/Kg	02/05/15	JLI	SW8260
4-Methyl-2-pentanone	ND		27	1.3	ug/Kg	02/05/15	JLI	SW8260
Acetone	47	JS	50	5.3	ug/Kg	02/05/15	JLI	SW8260
Acrolein	ND		27	4.2	ug/Kg	02/05/15	JLI	SW8260
Acrylonitrile	ND		11	3.0	ug/Kg	02/05/15	JLI	SW8260
Benzene	3.4	J	5.3	1.0	ug/Kg	02/05/15	JLI	SW8260
Bromochloromethane	ND		5.3	0.77	ug/Kg	02/05/15	JLI	SW8260
Bromodichloromethane	ND		5.3	0.66	ug/Kg	02/05/15	JLI	SW8260
Bromoform	ND		5.3	0.74	ug/Kg	02/05/15	JLI	SW8260
Bromomethane	ND		5.3	4.1	ug/Kg	02/05/15	JLI	SW8260
Carbon Disulfide	4.4	J	5.3	0.86	ug/Kg	02/05/15	JLI	SW8260
Carbon tetrachloride	ND		5.3	0.61	ug/Kg	02/05/15	JLI	SW8260
Chlorobenzene	ND		5.3	0.78	ug/Kg	02/05/15	JLI	SW8260
Chloroethane	ND		5.3	1.2	ug/Kg	02/05/15	JLI	SW8260
Chloroform	ND		5.3	0.96	ug/Kg	02/05/15	JLI	SW8260
Chloromethane	ND		5.3	2.8	ug/Kg	02/05/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		5.3	1.2	ug/Kg	02/05/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		5.3	0.57	ug/Kg	02/05/15	JLI	SW8260
Cyclohexane	ND		5.3	5.3	ug/Kg	02/05/15	JLI	SW8260
Dibromochloromethane	ND		5.3	0.59	ug/Kg	02/05/15	JLI	SW8260
Dichlorodifluoromethane	ND		5.3	1.4	ug/Kg	02/05/15	JLI	SW8260
Ethylbenzene	ND		5.3	0.96	ug/Kg	02/05/15	JLI	SW8260
Isopropylbenzene	ND		5.3	1.0	ug/Kg	02/05/15	JLI	SW8260
m&p-Xylene	ND		5.3	2.1	ug/Kg	02/05/15	JLI	SW8260
Methyl ethyl ketone	12	J	32	4.6	ug/Kg	02/05/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		11	1.5	ug/Kg	02/05/15	JLI	SW8260
Methylacetate	ND		5.3	5.3	ug/Kg	02/05/15	JLI	SW8260
Methylcyclohexane	ND		5.3	5.3	ug/Kg	02/05/15	JLI	SW8260
Methylene chloride	2.0	JS	5.3	0.87	ug/Kg	02/05/15	JLI	SW8260
o-Xylene	ND		5.3	2.0	ug/Kg	02/05/15	JLI	SW8260
Styrene	ND		5.3	1.5	ug/Kg	02/05/15	JLI	SW8260
tert-butyl alcohol	ND		110	110	ug/Kg	02/05/15	JLI	SW8260
Tetrachloroethene	ND		5.3	1.1	ug/Kg	02/05/15	JLI	SW8260
Toluene	6.2		5.3	0.84	ug/Kg	02/05/15	JLI	SW8260
Total Xylenes	ND		5.3	5.3	ug/Kg	02/05/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		5.3	1.1	ug/Kg	02/05/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		5.3	1.1	ug/Kg	02/05/15	JLI	SW8260
Trichloroethene	ND		5.3	1.1	ug/Kg	02/05/15	JLI	SW8260
Trichlorofluoromethane	ND		5.3	1.2	ug/Kg	02/05/15	JLI	SW8260
Trichlorotrifluoroethane	ND		5.3	0.83	ug/Kg	02/05/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 15 2-3

Phoenix I.D.: BH69818

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	5.3	1.7	ug/Kg	02/05/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	02/05/15	JLI	70 - 130 %	
% Bromofluorobenzene	85			%	02/05/15	JLI	70 - 130 %	
% Dibromofluoromethane	104			%	02/05/15	JLI	70 - 130 %	
% Toluene-d8	88			%	02/05/15	JLI	70 - 130 %	
Vinyl Acetate	ND	53	53	ug/Kg	02/05/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

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 11, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 11, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/03/15	13:55
Location Code:	IMPACT	Received by:	SW	02/03/15	18:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	7336				

Laboratory Data

SDG ID: GBH69802
Phoenix ID: BH69819

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 15 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.40	0.40	0.40	mg/Kg	02/04/15	LK	SW6010	
Aluminum	5030	59	7.9	mg/Kg	02/04/15	LK	SW6010	B
Arsenic	9.1	0.8	0.79	mg/Kg	02/04/15	LK	SW6010	
Barium	103	0.40	0.40	mg/Kg	02/04/15	LK	SW6010	
Beryllium	0.48	0.32	0.16	mg/Kg	02/04/15	LK	SW6010	
Calcium	5420	5.9	3.6	mg/Kg	02/04/15	LK	SW6010	B
Cadmium	< 0.40	0.40	0.16	mg/Kg	02/04/15	LK	SW6010	
Cobalt	5.90	0.40	0.40	mg/Kg	02/04/15	LK	SW6010	
Chromium	11.3	0.40	0.40	mg/Kg	02/04/15	LK	SW6010	
Copper	84.7	0.40	0.40	mg/kg	02/04/15	LK	SW6010	
Iron	10600	59	40	mg/Kg	02/04/15	LK	SW6010	B
Mercury	0.17	0.03	0.02	mg/Kg	02/04/15	RS	SW-7471	
Potassium	843	5.9	3.1	mg/Kg	02/04/15	LK	SW6010	
Magnesium	1750	5.9	4.0	mg/Kg	02/04/15	LK	SW6010	B
Manganese	248	4.0	4.0	mg/Kg	02/04/15	LK	SW6010	B
Sodium	553	5.9	3.4	mg/Kg	02/04/15	LK	SW6010	
Nickel	20.1	0.40	0.40	mg/Kg	02/04/15	LK	SW6010	
Lead	108	0.40	0.40	mg/Kg	02/04/15	LK	SW6010	
Antimony	< 4.0	4.0	2.0	mg/Kg	02/04/15	LK	SW6010	
Selenium	< 1.6	1.6	1.3	mg/Kg	02/04/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/05/15	LK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/05/15	LK	SW6010	
TCLP Barium	0.98	0.10	0.010	mg/L	02/05/15	LK	SW6010	
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/05/15	LK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/05/15	LK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/05/15	RS	SW7470	
TCLP Lead	0.82	0.10	0.010	mg/L	02/05/15	LK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/05/15	LK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 15 COMP

Phoenix I.D.: BH69819

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.6	3.6	1.6	mg/Kg	02/04/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/05/15	I/I	SW3005	
Trivalent Chromium	11.3	0.50		mg/kg	02/05/15	CL	Calculation	
Vanadium	17.0	0.40	0.40	mg/Kg	02/04/15	LK	SW6010	
Zinc	108	0.40	0.40	mg/Kg	02/04/15	LK	SW6010	
Percent Solid	89			%	02/03/15	I	SW846	
Corrosivity	Negative			Pos/Neg	02/03/15	O/EG	SW846	1
Flash Point	>200	200		degree F	02/05/15	Y	SW1010	
Chromium, Hexavalent	< 0.45	0.45	0.45	mg/Kg	02/05/15 13:03	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/05/15	Y	SW846	1
pH - Soil	9.65	0.10		pH Units	02/03/15 21:30	O/EG	4500-H B/9045	1
Reactivity Cyanide	< 5.5	5.5	0.027	mg/Kg	02/03/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/04/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/04/15	EG	SW 846-7.3	1
Redox Potential	96	1.0		mV	02/03/15	O/EG	SM2580B	1
Total Cyanide	< 0.56	0.56	0.28	mg/Kg	02/04/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				02/04/15	CC/H	SW3545	
Soil Extraction for Pesticide	Completed				02/04/15	CC	SW3545	
Soil Extraction for SVOA	Completed				02/04/15	JJ/VH	SW3545	
Mercury Digestion	Completed				02/04/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/04/15	P/DW	SW8151	
TCLP Digestion Mercury	Completed				02/05/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/04/15	F/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				02/03/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				02/03/15	I	1311	
TCLP Pesticides Extraction	Completed				02/04/15	T	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/04/15	L	SW3510	
TCLP Extraction Volatiles	Completed				02/03/15	Y	EPA 1311	
Total Metals Digest	Completed				02/03/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				02/03/15	BC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	47	47	ug/Kg	02/06/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	47	47	ug/Kg	02/06/15	BB	SW8151	
2,4-D	ND	47	47	ug/Kg	02/06/15	BB	SW8151	
2,4-DB	ND	470	470	ug/Kg	02/06/15	BB	SW8151	
Dalapon	ND	47	47	ug/Kg	02/06/15	BB	SW8151	
Dicamba	ND	93	93	ug/Kg	02/06/15	BB	SW8151	
Dichloroprop	ND	47	47	ug/Kg	02/06/15	BB	SW8151	
Dinoseb	ND	93	93	ug/Kg	02/06/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	53			%	02/06/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	75	75	ug/Kg	02/05/15	AW	SW 8082	
PCB-1221	ND	75	75	ug/Kg	02/05/15	AW	SW 8082	
PCB-1232	ND	75	75	ug/Kg	02/05/15	AW	SW 8082	
PCB-1242	ND	75	75	ug/Kg	02/05/15	AW	SW 8082	
PCB-1248	ND	75	75	ug/Kg	02/05/15	AW	SW 8082	
PCB-1254	ND	75	75	ug/Kg	02/05/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 15 COMP

Phoenix I.D.: BH69819

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	75	75	ug/Kg	02/05/15	AW	SW 8082
PCB-1262	ND	75	75	ug/Kg	02/05/15	AW	SW 8082
PCB-1268	ND	75	75	ug/Kg	02/05/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	85			%	02/05/15	AW	30 - 150 %
% TCMX	71			%	02/05/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	9.7	2.2	2.2	ug/Kg	02/05/15	CE	SW8081
4,4' -DDE	ND	2.2	2.2	ug/Kg	02/05/15	CE	SW8081
4,4' -DDT	3.5	2.2	2.2	ug/Kg	02/05/15	CE	SW8081
a-BHC	ND	7.5	7.5	ug/Kg	02/05/15	CE	SW8081
a-Chlordane	ND	3.7	3.7	ug/Kg	02/05/15	CE	SW8081
Aldrin	ND	3.7	3.7	ug/Kg	02/05/15	CE	SW8081
b-BHC	ND	7.5	7.5	ug/Kg	02/05/15	CE	SW8081
Chlordane	ND	37	37	ug/Kg	02/05/15	CE	SW8081
d-BHC	ND	7.5	7.5	ug/Kg	02/05/15	CE	SW8081
Dieldrin	ND	3.7	3.7	ug/Kg	02/05/15	CE	SW8081
Endosulfan I	ND	7.5	7.5	ug/Kg	02/05/15	CE	SW8081
Endosulfan II	ND	7.5	7.5	ug/Kg	02/05/15	CE	SW8081
Endosulfan sulfate	ND	7.5	7.5	ug/Kg	02/05/15	CE	SW8081
Endrin	ND	7.5	7.5	ug/Kg	02/05/15	CE	SW8081
Endrin aldehyde	ND	7.5	7.5	ug/Kg	02/05/15	CE	SW8081
Endrin ketone	ND	7.5	7.5	ug/Kg	02/05/15	CE	SW8081
g-BHC	ND	1.5	1.5	ug/Kg	02/05/15	CE	SW8081
g-Chlordane	ND	3.7	3.7	ug/Kg	02/05/15	CE	SW8081
Heptachlor	ND	7.5	7.5	ug/Kg	02/05/15	CE	SW8081
Heptachlor epoxide	ND	7.5	7.5	ug/Kg	02/05/15	CE	SW8081
Methoxychlor	ND	37	37	ug/Kg	02/05/15	CE	SW8081
Toxaphene	ND	150	150	ug/Kg	02/05/15	CE	SW8081
QA/QC Surrogates							
% DCBP	75			%	02/05/15	CE	30 - 150 %
% TCMX	67			%	02/05/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/05/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/05/15	BB	SW8151
QA/QC Surrogates							
% DCAA	72			%	02/05/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/06/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/06/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/06/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/06/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/06/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/06/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/06/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/06/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/06/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/06/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/06/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/06/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/06/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/06/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/06/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/06/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/06/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/06/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/06/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/06/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	105			%	02/06/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	92			%	02/06/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	55	55	mg/Kg	02/06/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	75			%	02/06/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/05/15	HM	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/05/15	HM	SW8260
Benzene	ND	25	25	ug/L	02/05/15	HM	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/05/15	HM	SW8260
Chlorobenzene	ND	25	25	ug/L	02/05/15	HM	SW8260
Chloroform	ND	25	25	ug/L	02/05/15	HM	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/05/15	HM	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/05/15	HM	SW8260
Trichloroethene	ND	25	25	ug/L	02/05/15	HM	SW8260
Vinyl chloride	ND	25	25	ug/L	02/05/15	HM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101			%	02/05/15	HM	70 - 130 %
% Bromofluorobenzene	99			%	02/05/15	HM	70 - 130 %
% Dibromofluoromethane	99			%	02/05/15	HM	70 - 130 %
% Toluene-d8	103			%	02/05/15	HM	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	260	110	ug/Kg	02/05/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	02/05/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	370	370	ug/Kg	02/05/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	260	170	ug/Kg	02/05/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	02/05/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	02/05/15	DD	SW 8270
2,4-Dichlorophenol	ND	150	130	ug/Kg	02/05/15	DD	SW 8270
2,4-Dimethylphenol	ND	260	93	ug/Kg	02/05/15	DD	SW 8270
2,4-Dinitrophenol	ND	260	260	ug/Kg	02/05/15	DD	SW 8270
2,4-Dinitrotoluene	ND	150	150	ug/Kg	02/05/15	DD	SW 8270
2,6-Dinitrotoluene	ND	150	120	ug/Kg	02/05/15	DD	SW 8270
2-Chloronaphthalene	ND	260	110	ug/Kg	02/05/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 15 COMP

Phoenix I.D.: BH69819

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		260	110	ug/Kg	02/05/15	DD	SW 8270	
2-Methylnaphthalene	360		260	110	ug/Kg	02/05/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		260	180	ug/Kg	02/05/15	DD	SW 8270	
2-Nitroaniline	ND		1900	380	ug/Kg	02/05/15	DD	SW 8270	
2-Nitrophenol	ND		260	240	ug/Kg	02/05/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		260	150	ug/Kg	02/05/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		150	180	ug/Kg	02/05/15	DD	SW 8270	
3-Nitroaniline	ND		1900	810	ug/Kg	02/05/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		260	400	ug/Kg	02/05/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		260	110	ug/Kg	02/05/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		260	130	ug/Kg	02/05/15	DD	SW 8270	
4-Chloroaniline	ND		750	170	ug/Kg	02/05/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		260	130	ug/Kg	02/05/15	DD	SW 8270	
4-Nitroaniline	ND		1900	120	ug/Kg	02/05/15	DD	SW 8270	
4-Nitrophenol	ND		1900	170	ug/Kg	02/05/15	DD	SW 8270	
Acenaphthene	320		260	110	ug/Kg	02/05/15	DD	SW 8270	
Acenaphthylene	ND		150	100	ug/Kg	02/05/15	DD	SW 8270	
Acetophenone	ND		260	120	ug/Kg	02/05/15	DD	SW 8270	
Anthracene	200	J	260	120	ug/Kg	02/05/15	DD	SW 8270	
Atrazine	ND		150	170	ug/Kg	02/05/15	DD	SW 8270	
Benz(a)anthracene	330		260	130	ug/Kg	02/05/15	DD	SW 8270	
Benzaldehyde	ND		260	110	ug/Kg	02/05/15	DD	SW 8270	
Benzidine	ND		560	560	ug/Kg	02/05/15	DD	SW 8270	
Benzo(a)pyrene	280		150	120	ug/Kg	02/05/15	DD	SW 8270	
Benzo(b)fluoranthene	410		260	130	ug/Kg	02/05/15	DD	SW 8270	
Benzo(ghi)perylene	200	J	260	120	ug/Kg	02/05/15	DD	SW 8270	
Benzo(k)fluoranthene	160	J	260	120	ug/Kg	02/05/15	DD	SW 8270	
Benzyl Alcohol	ND		370	370	ug/Kg	02/05/15	DD	SW 8270	
Benzyl butyl phthalate	ND		260	96	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		260	100	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		150	100	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		260	100	ug/Kg	02/05/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		260	110	ug/Kg	02/05/15	DD	SW 8270	
Caprolactam	ND		260	670	ug/Kg	02/05/15	DD	SW 8270	
Carbazole	ND		1900	280	ug/Kg	02/05/15	DD	SW 8270	
Chrysene	380		260	130	ug/Kg	02/05/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		150	120	ug/Kg	02/05/15	DD	SW 8270	
Dibenzofuran	280		260	110	ug/Kg	02/05/15	DD	SW 8270	
Diethyl phthalate	ND		260	120	ug/Kg	02/05/15	DD	SW 8270	
Dimethylphthalate	ND		260	120	ug/Kg	02/05/15	DD	SW 8270	
Di-n-butylphthalate	ND		260	99	ug/Kg	02/05/15	DD	SW 8270	
Di-n-octylphthalate	ND		260	96	ug/Kg	02/05/15	DD	SW 8270	
Fluoranthene	670		260	120	ug/Kg	02/05/15	DD	SW 8270	
Fluorene	360		260	120	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorobenzene	ND		150	110	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorobutadiene	ND		260	140	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		260	110	ug/Kg	02/05/15	DD	SW 8270	
Hexachloroethane	ND		150	110	ug/Kg	02/05/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	200	J	260	120	ug/Kg	02/05/15	DD	SW 8270	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 15 COMP

Phoenix I.D.: BH69819

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND	150	100	ug/Kg	02/05/15	DD	SW 8270	
Naphthalene	550	260	110	ug/Kg	02/05/15	DD	SW 8270	
Nitrobenzene	ND	150	130	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodimethylamine	ND	260	110	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	150	120	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND	150	140	ug/Kg	02/05/15	DD	SW 8270	
Pentachlorophenol	ND	260	140	ug/Kg	02/05/15	DD	SW 8270	
Phenanthrene	1000	150	110	ug/Kg	02/05/15	DD	SW 8270	
Phenol	ND	260	120	ug/Kg	02/05/15	DD	SW 8270	
Pyrene	560	260	130	ug/Kg	02/05/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	103			%	02/05/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	83			%	02/05/15	DD	30 - 130 %	
% 2-Fluorophenol	81			%	02/05/15	DD	30 - 130 %	
% Nitrobenzene-d5	99			%	02/05/15	DD	30 - 130 %	
% Phenol-d5	87			%	02/05/15	DD	30 - 130 %	
% Terphenyl-d14	82			%	02/05/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral								
1,4-Dichlorobenzene	ND	83	83	ug/L	02/05/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND	83	83	ug/L	02/05/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND	83	83	ug/L	02/05/15	DD	SW 8270	
2,4-Dinitrotoluene	ND	83	83	ug/L	02/05/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	83	83	ug/L	02/05/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND	83	83	ug/L	02/05/15	DD	SW 8270	
Hexachlorobenzene	ND	83	83	ug/L	02/05/15	DD	SW 8270	
Hexachlorobutadiene	ND	83	83	ug/L	02/05/15	DD	SW 8270	
Hexachloroethane	ND	83	83	ug/L	02/05/15	DD	SW 8270	
Nitrobenzene	ND	83	83	ug/L	02/05/15	DD	SW 8270	
Pentachlorophenol	ND	83	83	ug/L	02/05/15	DD	SW 8270	
Pyridine	ND	83	83	ug/L	02/05/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	97			%	02/05/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	72			%	02/05/15	DD	30 - 130 %	
% 2-Fluorophenol	55			%	02/05/15	DD	15 - 110 %	
% Nitrobenzene-d5	84			%	02/05/15	DD	30 - 130 %	
% Phenol-d5	47			%	02/05/15	DD	15 - 110 %	
% Terphenyl-d14	81			%	02/05/15	DD	30 - 130 %	
Aniline	ND	330		ug/Kg	02/05/15	DD	SW8270	
Benzoic Acid	ND	330		ug/Kg	02/05/15	DD	SW8270	1
Parathion	ND	5		ug/Kg	02/05/15	DD	SW8270	1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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 11, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 11, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/03/15	14:15
Location Code:	IMPACT	Received by:	SW	02/03/15	18:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	7336				

Laboratory Data

SDG ID: GBH69802
Phoenix ID: BH69820

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 14 2-3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/03/15	I	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	5.4	1.1	ug/Kg	02/05/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	5.4	1.1	ug/Kg	02/05/15	JLI	SW8260
1,3-Dichlorobenzene	ND	5.4	1.1	ug/Kg	02/05/15	JLI	SW8260
Naphthalene	ND	5.4	1.4	ug/Kg	02/05/15	JLI	SW8260
n-Butylbenzene	ND	5.4	1.1	ug/Kg	02/05/15	JLI	SW8260
n-Propylbenzene	ND	5.4	1.1	ug/Kg	02/05/15	JLI	SW8260
p-Isopropyltoluene	ND	5.4	1.1	ug/Kg	02/05/15	JLI	SW8260
sec-Butylbenzene	ND	5.4	1.1	ug/Kg	02/05/15	JLI	SW8260
tert-Butylbenzene	ND	5.4	1.1	ug/Kg	02/05/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101			%	02/05/15	JLI	SW8260
% Bromofluorobenzene	92			%	02/05/15	JLI	SW8260
% Dibromofluoromethane	98			%	02/05/15	JLI	SW8260
% Toluene-d8	89			%	02/05/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	100	100	ug/kg	02/05/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.4	1.1	ug/Kg	02/05/15	JLI	SW8260
1,1,1-Trichloroethane	ND	5.4	1.1	ug/Kg	02/05/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.4	0.77	ug/Kg	02/05/15	JLI	SW8260
1,1,2-Trichloroethane	ND	5.4	0.53	ug/Kg	02/05/15	JLI	SW8260
1,1-Dichloroethane	ND	5.4	1.1	ug/Kg	02/05/15	JLI	SW8260
1,1-Dichloroethene	ND	5.4	1.2	ug/Kg	02/05/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 14 2-3

Phoenix I.D.: BH69820

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		5.4	0.72	ug/Kg	02/05/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		5.4	0.64	ug/Kg	02/05/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		5.4	1.4	ug/Kg	02/05/15	JLI	SW8260
1,2-Dibromoethane	ND		5.4	1.4	ug/Kg	02/05/15	JLI	SW8260
1,2-Dichlorobenzene	ND		5.4	0.59	ug/Kg	02/05/15	JLI	SW8260
1,2-Dichloroethane	ND		5.4	0.48	ug/Kg	02/05/15	JLI	SW8260
1,2-Dichloropropane	ND		5.4	0.77	ug/Kg	02/05/15	JLI	SW8260
1,3-Dichlorobenzene	ND		5.4	0.80	ug/Kg	02/05/15	JLI	SW8260
1,4-Dichlorobenzene	ND		5.4	0.85	ug/Kg	02/05/15	JLI	SW8260
2-Hexanone	ND		27	2.4	ug/Kg	02/05/15	JLI	SW8260
4-Methyl-2-pentanone	ND		27	1.3	ug/Kg	02/05/15	JLI	SW8260
Acetone	20	JS	50	5.4	ug/Kg	02/05/15	JLI	SW8260
Acrolein	ND		27	4.3	ug/Kg	02/05/15	JLI	SW8260
Acrylonitrile	ND		11	3.0	ug/Kg	02/05/15	JLI	SW8260
Benzene	ND		5.4	1.1	ug/Kg	02/05/15	JLI	SW8260
Bromochloromethane	ND		5.4	0.79	ug/Kg	02/05/15	JLI	SW8260
Bromodichloromethane	ND		5.4	0.67	ug/Kg	02/05/15	JLI	SW8260
Bromoform	ND		5.4	0.76	ug/Kg	02/05/15	JLI	SW8260
Bromomethane	ND		5.4	4.2	ug/Kg	02/05/15	JLI	SW8260
Carbon Disulfide	2.9	J	5.4	0.87	ug/Kg	02/05/15	JLI	SW8260
Carbon tetrachloride	ND		5.4	0.63	ug/Kg	02/05/15	JLI	SW8260
Chlorobenzene	ND		5.4	0.80	ug/Kg	02/05/15	JLI	SW8260
Chloroethane	ND		5.4	1.3	ug/Kg	02/05/15	JLI	SW8260
Chloroform	ND		5.4	0.98	ug/Kg	02/05/15	JLI	SW8260
Chloromethane	ND		5.4	2.8	ug/Kg	02/05/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		5.4	1.2	ug/Kg	02/05/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		5.4	0.58	ug/Kg	02/05/15	JLI	SW8260
Cyclohexane	ND		5.4	5.4	ug/Kg	02/05/15	JLI	SW8260
Dibromochloromethane	ND		5.4	0.60	ug/Kg	02/05/15	JLI	SW8260
Dichlorodifluoromethane	ND		5.4	1.4	ug/Kg	02/05/15	JLI	SW8260
Ethylbenzene	ND		5.4	0.98	ug/Kg	02/05/15	JLI	SW8260
Isopropylbenzene	ND		5.4	1.0	ug/Kg	02/05/15	JLI	SW8260
m&p-Xylene	ND		5.4	2.1	ug/Kg	02/05/15	JLI	SW8260
Methyl ethyl ketone	ND		32	4.7	ug/Kg	02/05/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		11	1.5	ug/Kg	02/05/15	JLI	SW8260
Methylacetate	ND		5.4	5.4	ug/Kg	02/05/15	JLI	SW8260
Methylcyclohexane	ND		5.4	5.4	ug/Kg	02/05/15	JLI	SW8260
Methylene chloride	1.7	JS	5.4	0.89	ug/Kg	02/05/15	JLI	SW8260
o-Xylene	ND		5.4	2.1	ug/Kg	02/05/15	JLI	SW8260
Styrene	ND		5.4	1.6	ug/Kg	02/05/15	JLI	SW8260
tert-butyl alcohol	ND		110	110	ug/Kg	02/05/15	JLI	SW8260
Tetrachloroethene	ND		5.4	1.1	ug/Kg	02/05/15	JLI	SW8260
Toluene	ND		5.4	0.85	ug/Kg	02/05/15	JLI	SW8260
Total Xylenes	ND		5.4	5.4	ug/Kg	02/05/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		5.4	1.1	ug/Kg	02/05/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		5.4	1.1	ug/Kg	02/05/15	JLI	SW8260
Trichloroethene	ND		5.4	1.1	ug/Kg	02/05/15	JLI	SW8260
Trichlorofluoromethane	ND		5.4	1.2	ug/Kg	02/05/15	JLI	SW8260
Trichlorotrifluoroethane	ND		5.4	0.84	ug/Kg	02/05/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 14 2-3

Phoenix I.D.: BH69820

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	5.4	1.7	ug/Kg	02/05/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	102			%	02/05/15	JLI	70 - 130 %	
% Bromofluorobenzene	88			%	02/05/15	JLI	70 - 130 %	
% Dibromofluoromethane	99			%	02/05/15	JLI	70 - 130 %	
% Toluene-d8	88			%	02/05/15	JLI	70 - 130 %	
Vinyl Acetate	ND	54	54	ug/Kg	02/05/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

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 11, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

Analysis Report

February 11, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/03/15	14:20
Location Code:	IMPACT	Received by:	SW	02/03/15	18:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	7336				

Laboratory Data

SDG ID: GBH69802
Phoenix ID: BH69821

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 14 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.36	0.36	0.36	mg/Kg	02/04/15	LK	SW6010	
Aluminum	3060	54	7.1	mg/Kg	02/04/15	LK	SW6010	B
Arsenic	2.6	0.7	0.71	mg/Kg	02/04/15	LK	SW6010	
Barium	29.0	0.36	0.36	mg/Kg	02/04/15	LK	SW6010	
Beryllium	< 0.29	0.29	0.14	mg/Kg	02/04/15	LK	SW6010	
Calcium	4200	5.4	3.3	mg/Kg	02/04/15	LK	SW6010	B
Cadmium	< 0.36	0.36	0.14	mg/Kg	02/04/15	LK	SW6010	
Cobalt	2.89	0.36	0.36	mg/Kg	02/04/15	LK	SW6010	
Chromium	9.36	0.36	0.36	mg/Kg	02/04/15	LK	SW6010	
Copper	12.0	0.36	0.36	mg/kg	02/04/15	LK	SW6010	
Iron	10600	54	36	mg/Kg	02/04/15	LK	SW6010	B
Mercury	0.18	0.03	0.02	mg/Kg	02/04/15	RS	SW-7471	
Potassium	610	5.4	2.8	mg/Kg	02/04/15	LK	SW6010	
Magnesium	1260	5.4	3.6	mg/Kg	02/04/15	LK	SW6010	B
Manganese	118	0.36	0.36	mg/Kg	02/04/15	LK	SW6010	B
Sodium	262	5.4	3.1	mg/Kg	02/04/15	LK	SW6010	
Nickel	11.4	0.36	0.36	mg/Kg	02/04/15	LK	SW6010	
Lead	37.1	0.36	0.36	mg/Kg	02/04/15	LK	SW6010	
Antimony	< 3.6	3.6	1.8	mg/Kg	02/04/15	LK	SW6010	
Selenium	< 1.4	1.4	1.2	mg/Kg	02/04/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/05/15	LK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/05/15	LK	SW6010	
TCLP Barium	0.56	0.10	0.010	mg/L	02/05/15	LK	SW6010	
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/05/15	LK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/05/15	LK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/05/15	RS	SW7470	
TCLP Lead	0.23	0.10	0.010	mg/L	02/05/15	LK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/05/15	LK	SW6010	

Project ID: SW MARINE TRANSFER STATION
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Phoenix I.D.: BH69821

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.2	3.2	1.4	mg/Kg	02/04/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/05/15	I/I	SW3005	
Trivalent Chromium	9.36	0.50		mg/kg	02/05/15	CL	Calculation	
Vanadium	11.2	0.36	0.36	mg/Kg	02/04/15	LK	SW6010	
Zinc	35.5	0.36	0.36	mg/Kg	02/04/15	LK	SW6010	
Percent Solid	91			%	02/03/15	I	SW846	
Corrosivity	Negative			Pos/Neg	02/03/15	O/EG	SW846	1
Flash Point	>200	200		degree F	02/05/15	Y	SW1010	
Chromium, Hexavalent	< 0.44	0.44	0.44	mg/Kg	02/05/15 13:03	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/05/15	Y	SW846	1
pH - Soil	7.19	0.10		pH Units	02/03/15 21:30	O/EG	4500-H B/9045	1
Reactivity Cyanide	< 5.3	5.3	0.027	mg/Kg	02/03/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/04/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/04/15	EG	SW 846-7.3	1
Redox Potential	-177	1.0		mV	02/03/15	O/EG	SM2580B	1
Total Cyanide	< 0.55	0.55	0.27	mg/Kg	02/05/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				02/04/15	CC/H	SW3545	
Soil Extraction for Pesticide	Completed				02/04/15	CC	SW3545	
Soil Extraction for SVOA	Completed				02/04/15	JJ/VH	SW3545	
Mercury Digestion	Completed				02/04/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/04/15	P/DW	SW8151	
TCLP Digestion Mercury	Completed				02/05/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/04/15	F/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				02/03/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				02/03/15	I	1311	
TCLP Pesticides Extraction	Completed				02/04/15	T	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/04/15	L	SW3510	
TCLP Extraction Volatiles	Completed				02/03/15	Y	EPA 1311	
Total Metals Digest	Completed				02/03/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				02/03/15	BC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	45	45	ug/Kg	02/06/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	45	45	ug/Kg	02/06/15	BB	SW8151	
2,4-D	ND	45	45	ug/Kg	02/06/15	BB	SW8151	
2,4-DB	ND	450	450	ug/Kg	02/06/15	BB	SW8151	
Dalapon	ND	45	45	ug/Kg	02/06/15	BB	SW8151	
Dicamba	ND	91	91	ug/Kg	02/06/15	BB	SW8151	
Dichloroprop	ND	45	45	ug/Kg	02/06/15	BB	SW8151	
Dinoseb	ND	91	91	ug/Kg	02/06/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	62			%	02/06/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	72	72	ug/Kg	02/05/15	AW	SW 8082	
PCB-1221	ND	72	72	ug/Kg	02/05/15	AW	SW 8082	
PCB-1232	ND	72	72	ug/Kg	02/05/15	AW	SW 8082	
PCB-1242	ND	72	72	ug/Kg	02/05/15	AW	SW 8082	
PCB-1248	ND	72	72	ug/Kg	02/05/15	AW	SW 8082	
PCB-1254	ND	72	72	ug/Kg	02/05/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 14 COMP

Phoenix I.D.: BH69821

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PCB-1260	ND	72	72	ug/Kg	02/05/15	AW	SW 8082
PCB-1262	ND	72	72	ug/Kg	02/05/15	AW	SW 8082
PCB-1268	ND	72	72	ug/Kg	02/05/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	91			%	02/05/15	AW	30 - 150 %
% TCMX	77			%	02/05/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.2	2.2	ug/Kg	02/06/15	CE	SW8081
4,4' -DDE	ND	2.2	2.2	ug/Kg	02/06/15	CE	SW8081
4,4' -DDT	ND	2.2	2.2	ug/Kg	02/06/15	CE	SW8081
a-BHC	ND	7.2	7.2	ug/Kg	02/06/15	CE	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	02/06/15	CE	SW8081
Aldrin	ND	3.6	3.6	ug/Kg	02/06/15	CE	SW8081
b-BHC	ND	7.2	7.2	ug/Kg	02/06/15	CE	SW8081
Chlordane	ND	36	36	ug/Kg	02/06/15	CE	SW8081
d-BHC	ND	7.2	7.2	ug/Kg	02/06/15	CE	SW8081
Dieldrin	ND	3.6	3.6	ug/Kg	02/06/15	CE	SW8081
Endosulfan I	ND	7.2	7.2	ug/Kg	02/06/15	CE	SW8081
Endosulfan II	ND	7.2	7.2	ug/Kg	02/06/15	CE	SW8081
Endosulfan sulfate	ND	7.2	7.2	ug/Kg	02/06/15	CE	SW8081
Endrin	ND	7.2	7.2	ug/Kg	02/06/15	CE	SW8081
Endrin aldehyde	ND	7.2	7.2	ug/Kg	02/06/15	CE	SW8081
Endrin ketone	ND	7.2	7.2	ug/Kg	02/06/15	CE	SW8081
g-BHC	ND	1.4	1.4	ug/Kg	02/06/15	CE	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	02/06/15	CE	SW8081
Heptachlor	ND	7.2	7.2	ug/Kg	02/06/15	CE	SW8081
Heptachlor epoxide	ND	7.2	7.2	ug/Kg	02/06/15	CE	SW8081
Methoxychlor	ND	36	36	ug/Kg	02/06/15	CE	SW8081
Toxaphene	ND	140	140	ug/Kg	02/06/15	CE	SW8081
QA/QC Surrogates							
% DCBP	86			%	02/06/15	CE	30 - 150 %
% TCMX	85			%	02/06/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/05/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/05/15	BB	SW8151
QA/QC Surrogates							
% DCAA	71			%	02/05/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/06/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/06/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/06/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/06/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/06/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/06/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/06/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/06/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/06/15	CE	SW 8081

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Dieldrin	ND	1.0		ug/L	02/06/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/06/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/06/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/06/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/06/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/06/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/06/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/06/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/06/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/06/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/06/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	98			%	02/06/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	87			%	02/06/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	55	55	mg/Kg	02/04/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	82			%	02/04/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/05/15	HM	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/05/15	HM	SW8260
Benzene	ND	25	25	ug/L	02/05/15	HM	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/05/15	HM	SW8260
Chlorobenzene	ND	25	25	ug/L	02/05/15	HM	SW8260
Chloroform	ND	25	25	ug/L	02/05/15	HM	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/05/15	HM	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/05/15	HM	SW8260
Trichloroethene	ND	25	25	ug/L	02/05/15	HM	SW8260
Vinyl chloride	ND	25	25	ug/L	02/05/15	HM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	98			%	02/05/15	HM	70 - 130 %
% Bromofluorobenzene	98			%	02/05/15	HM	70 - 130 %
% Dibromofluoromethane	101			%	02/05/15	HM	70 - 130 %
% Toluene-d8	103			%	02/05/15	HM	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	250	110	ug/Kg	02/05/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	02/05/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	360	360	ug/Kg	02/05/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	250	170	ug/Kg	02/05/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	02/05/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	02/05/15	DD	SW 8270
2,4-Dichlorophenol	ND	150	130	ug/Kg	02/05/15	DD	SW 8270
2,4-Dimethylphenol	ND	250	90	ug/Kg	02/05/15	DD	SW 8270
2,4-Dinitrophenol	ND	250	250	ug/Kg	02/05/15	DD	SW 8270
2,4-Dinitrotoluene	ND	150	140	ug/Kg	02/05/15	DD	SW 8270
2,6-Dinitrotoluene	ND	150	110	ug/Kg	02/05/15	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	02/05/15	DD	SW 8270

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Client ID: WC 14 COMP

Phoenix I.D.: BH69821

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		250	100	ug/Kg	02/05/15	DD	SW 8270	
2-Methylnaphthalene	150	J	250	110	ug/Kg	02/05/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		250	170	ug/Kg	02/05/15	DD	SW 8270	
2-Nitroaniline	ND		1800	370	ug/Kg	02/05/15	DD	SW 8270	
2-Nitrophenol	ND		250	230	ug/Kg	02/05/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		250	140	ug/Kg	02/05/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		150	170	ug/Kg	02/05/15	DD	SW 8270	
3-Nitroaniline	ND		1800	790	ug/Kg	02/05/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		250	390	ug/Kg	02/05/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		250	110	ug/Kg	02/05/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		250	130	ug/Kg	02/05/15	DD	SW 8270	
4-Chloroaniline	ND		730	170	ug/Kg	02/05/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		250	120	ug/Kg	02/05/15	DD	SW 8270	
4-Nitroaniline	ND		1800	120	ug/Kg	02/05/15	DD	SW 8270	
4-Nitrophenol	ND		1800	160	ug/Kg	02/05/15	DD	SW 8270	
Acenaphthene	130	J	250	110	ug/Kg	02/05/15	DD	SW 8270	
Acenaphthylene	ND		150	100	ug/Kg	02/05/15	DD	SW 8270	
Acetophenone	ND		250	110	ug/Kg	02/05/15	DD	SW 8270	
Anthracene	ND		250	120	ug/Kg	02/05/15	DD	SW 8270	
Atrazine	ND		150	160	ug/Kg	02/05/15	DD	SW 8270	
Benz(a)anthracene	210	J	250	120	ug/Kg	02/05/15	DD	SW 8270	
Benzaldehyde	ND		250	110	ug/Kg	02/05/15	DD	SW 8270	
Benzidine	ND		540	540	ug/Kg	02/05/15	DD	SW 8270	
Benzo(a)pyrene	190		150	120	ug/Kg	02/05/15	DD	SW 8270	
Benzo(b)fluoranthene	280		250	120	ug/Kg	02/05/15	DD	SW 8270	
Benzo(ghi)perylene	140	J	250	120	ug/Kg	02/05/15	DD	SW 8270	
Benzo(k)fluoranthene	ND		250	120	ug/Kg	02/05/15	DD	SW 8270	
Benzyl Alcohol	ND		360	360	ug/Kg	02/05/15	DD	SW 8270	
Benzyl butyl phthalate	ND		250	94	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		250	100	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		150	98	ug/Kg	02/05/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		250	100	ug/Kg	02/05/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		250	100	ug/Kg	02/05/15	DD	SW 8270	
Caprolactam	ND		250	650	ug/Kg	02/05/15	DD	SW 8270	
Carbazole	ND		1800	280	ug/Kg	02/05/15	DD	SW 8270	
Chrysene	240	J	250	120	ug/Kg	02/05/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		150	120	ug/Kg	02/05/15	DD	SW 8270	
Dibenzofuran	ND		250	110	ug/Kg	02/05/15	DD	SW 8270	
Diethyl phthalate	ND		250	110	ug/Kg	02/05/15	DD	SW 8270	
Dimethylphthalate	ND		250	110	ug/Kg	02/05/15	DD	SW 8270	
Di-n-butylphthalate	ND		250	97	ug/Kg	02/05/15	DD	SW 8270	
Di-n-octylphthalate	ND		250	94	ug/Kg	02/05/15	DD	SW 8270	
Fluoranthene	440		250	120	ug/Kg	02/05/15	DD	SW 8270	
Fluorene	ND		250	120	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorobenzene	ND		150	110	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorobutadiene	ND		250	130	ug/Kg	02/05/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		250	110	ug/Kg	02/05/15	DD	SW 8270	
Hexachloroethane	ND		150	110	ug/Kg	02/05/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	140	J	250	120	ug/Kg	02/05/15	DD	SW 8270	

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Phoenix I.D.: BH69821

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND		150	100	ug/Kg	02/05/15	DD	SW 8270	
Naphthalene	250	J	250	100	ug/Kg	02/05/15	DD	SW 8270	
Nitrobenzene	ND		150	130	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodimethylamine	ND		250	100	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		150	120	ug/Kg	02/05/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND		150	140	ug/Kg	02/05/15	DD	SW 8270	
Pentachlorophenol	ND		250	140	ug/Kg	02/05/15	DD	SW 8270	
Phenanthrene	370		150	100	ug/Kg	02/05/15	DD	SW 8270	
Phenol	ND		250	120	ug/Kg	02/05/15	DD	SW 8270	
Pyrene	390		250	120	ug/Kg	02/05/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	106				%	02/05/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	83				%	02/05/15	DD	30 - 130 %	
% 2-Fluorophenol	76				%	02/05/15	DD	30 - 130 %	
% Nitrobenzene-d5	94				%	02/05/15	DD	30 - 130 %	
% Phenol-d5	83				%	02/05/15	DD	30 - 130 %	
% Terphenyl-d14	78				%	02/05/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral									
1,4-Dichlorobenzene	ND		83	83	ug/L	02/05/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND		83	83	ug/L	02/05/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND		83	83	ug/L	02/05/15	DD	SW 8270	
2,4-Dinitrotoluene	ND		83	83	ug/L	02/05/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		83	83	ug/L	02/05/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND		83	83	ug/L	02/05/15	DD	SW 8270	
Hexachlorobenzene	ND		83	83	ug/L	02/05/15	DD	SW 8270	
Hexachlorobutadiene	ND		83	83	ug/L	02/05/15	DD	SW 8270	
Hexachloroethane	ND		83	83	ug/L	02/05/15	DD	SW 8270	
Nitrobenzene	ND		83	83	ug/L	02/05/15	DD	SW 8270	
Pentachlorophenol	ND		83	83	ug/L	02/05/15	DD	SW 8270	
Pyridine	ND		83	83	ug/L	02/05/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	84				%	02/05/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	60				%	02/05/15	DD	30 - 130 %	
% 2-Fluorophenol	44				%	02/05/15	DD	15 - 110 %	
% Nitrobenzene-d5	68				%	02/05/15	DD	30 - 130 %	
% Phenol-d5	39				%	02/05/15	DD	15 - 110 %	
% Terphenyl-d14	69				%	02/05/15	DD	30 - 130 %	
Aniline	ND		330		ug/Kg	02/05/15	DD	SW8270	
Benzoic Acid	ND		330		ug/Kg	02/05/15	DD	SW8270	1
Parathion	ND		5		ug/Kg	02/05/15	DD	SW8270	1

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 14 COMP

Phoenix I.D.: BH69821

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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 11, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

February 11, 2015

QA/QC Data

SDG I.D.: GBH69802

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 298503, QC Sample No: BH69766 (BH69803, BH69805, BH69807, BH69809, BH69811)													
Mercury - Soil	BRL	<0.03	<0.03	NC	105	107	1.9	107	109	1.9	70 - 130	30	
Comment:													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.													
QA/QC Batch 298622, QC Sample No: BH69803 (BH69803, BH69805, BH69807, BH69809, BH69811, BH69813, BH69815, BH69817, BH69819, BH69821)													
ICP Metals - TCLP Extraction													
Arsenic	BRL	<0.10	<0.10	NC	108	115	6.3	102	104	1.9	75 - 125	20	
Barium	BRL	1.08	1.46	29.9	98.5	105	6.4	102	103	1.0	75 - 125	20	r
Cadmium	BRL	<0.050	<0.050	NC	104	112	7.4	103	105	1.9	75 - 125	20	
Chromium	BRL	<0.10	<0.10	NC	102	110	7.5	101	103	2.0	75 - 125	20	
Lead	BRL	0.62	0.85	31.3	103	110	6.6	101	104	2.9	75 - 125	20	r
Selenium	BRL	<0.10	<0.10	NC	113	121	6.8	104	106	1.9	75 - 125	20	
Silver	BRL	<0.10	<0.10	NC	113	121	6.8	106	109	2.8	75 - 125	20	
QA/QC Batch 298672, QC Sample No: BH69815 (BH69803, BH69805, BH69807, BH69809, BH69811, BH69813, BH69815, BH69817, BH69819, BH69821)													
Hex Chromium - Solid													
Hexavalent Cr	BRL	<0.43	<0.43	NC	99.2						70 - 130	30	
Insoluble Cr					94.0			94.8			70 - 130	30	
Soluble Cr					96.8			78.0			70 - 130	30	
QA/QC Batch 298504, QC Sample No: BH69819 (BH69813, BH69815, BH69817, BH69819, BH69821)													
Mercury - Soil	BRL	0.17	0.18	5.70	113	115	1.8	88.5	97.9	10.1	70 - 130	30	
Comment:													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.													
QA/QC Batch 298461, QC Sample No: BH69826 (BH69803, BH69805, BH69807, BH69809, BH69811, BH69813, BH69815, BH69817, BH69819, BH69821)													
ICP Metals - Soil													
Aluminum	6.1	12200	10900	11.3	102	110	7.5	NC	NC	NC	75 - 125	30	
Antimony	BRL	<2.0	2.1	NC	111	119	7.0	90.5	90.3	0.2	75 - 125	30	
Arsenic	BRL	5.5	19.1	111	98.3	110	11.2	95.8	95.3	0.5	75 - 125	30	r
Barium	BRL	188	129	37.2	107	120	11.5	122	78.8	43.0	75 - 125	30	r
Beryllium	BRL	0.50	0.50	NC	95.0	108	12.8	98.6	98.0	0.6	75 - 125	30	
Cadmium	BRL	0.49	0.98	NC	88.4	100	12.3	94.9	94.2	0.7	75 - 125	30	
Calcium	5.9	8510	8430	0.90	98.7	106	7.1	NC	NC	NC	75 - 125	30	
Chromium	BRL	19.9	22.1	10.5	98.2	114	14.9	102	101	1.0	75 - 125	30	
Cobalt	BRL	6.56	9.47	36.3	85.3	96.6	12.4	99.3	99.0	0.3	75 - 125	30	r
Copper	BRL	51.7	66.3	24.7	90.8	105	14.5	110	111	0.9	75 - 125	30	
Iron	6.9	23600	46300	64.9	88.4	104	16.2	NC	NC	NC	75 - 125	30	r
Lead	BRL	399	721	57.5	89.3	101	12.3	75.9	85.5	11.9	75 - 125	30	r
Magnesium	4.8	2160	2030	6.20	97.6	109	11.0	NC	NC	NC	75 - 125	30	
Manganese	0.32	368	322	13.3	104	118	12.6	76.5	46.8	48.2	75 - 125	30	m,r
Nickel	BRL	13.4	22.4	50.3	97.0	111	13.5	99.0	98.4	0.6	75 - 125	30	r

QA/QC Data

SDG I.D.: GBH69802

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Potassium	BRL	951	944	0.70	97.6	109	11.0	>130	>130	NC	75 - 125	30	m
Selenium	BRL	<1.6	<1.4	NC	92.1	103	11.2	86.8	86.5	0.3	75 - 125	30	
Silver	BRL	<0.39	<0.36	NC	100	116	14.8	108	107	0.9	75 - 125	30	
Sodium	BRL	446	424	5.10	101	115	13.0	121	85.7	34.2	75 - 125	30	r
Thallium	BRL	<1.6	<3.2	NC	96.9	110	12.7	96.9	97.1	0.2	75 - 125	30	
Vanadium	BRL	24.8	24.6	0.80	108	124	13.8	105	102	2.9	75 - 125	30	
Zinc	BRL	221	234	5.70	88.6	101	13.1	83.4	73.9	12.1	75 - 125	30	m
QA/QC Batch 298620, QC Sample No: BH70185 (BH69803, BH69805, BH69807, BH69809, BH69811, BH69813, BH69815, BH69817, BH69819, BH69821)													
Mercury - Water	BRL	<0.0002	<0.0002	NC	109	102	6.6	122	113	7.7	70 - 130	20	

Comment:

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

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

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

February 11, 2015

QA/QC Data

SDG I.D.: GBH69802

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 298523, QC Sample No: BH69336 (BH69803, BH69805, BH69807, BH69809, BH69811)												
Flash Point		>200	>200	NC	100						85 - 115	30
QA/QC Batch 298553, QC Sample No: BH69795 (BH69803, BH69805, BH69807, BH69809, BH69811, BH69813, BH69815, BH69817, BH69819, BH69821)												
pH - Soil		9.07	9.06	0.10	98.8						85 - 115	20
QA/QC Batch 298603, QC Sample No: BH69801 (BH69803, BH69805, BH69807, BH69809, BH69811, BH69813, BH69815, BH69817, BH69819)												
Total Cyanide	BRL	<0.60	<0.60	NC	96.0			100			85 - 115	30
QA/QC Batch 298618, QC Sample No: BH69817 (BH69813, BH69815, BH69817, BH69819, BH69821)												
Flash Point		>200	>200	NC	100						85 - 115	30
QA/QC Batch 298482, QC Sample No: BH69821 (BH69803, BH69805, BH69807, BH69809, BH69811, BH69813, BH69815, BH69817, BH69819, BH69821)												
Reactivity Cyanide	BRL	<5.3	<5.4	NC	96.0						85 - 115	30
QA/QC Batch 298729, QC Sample No: BH70545 (BH69821)												
Total Cyanide	BRL	<0.56	<0.51	NC	89.7			94.0			85 - 115	30

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QA/QC Report

February 11, 2015

QA/QC Data

SDG I.D.: GBH69802

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 298411, QC Sample No: BH69278 (BH69803, BH69805)									
Chlorinated Herbicides									
2,4,5-TP (Silvex)	ND	85	83	2.4				40 - 140	20
2,4-D	ND	73	71	2.8				40 - 140	20
% DCAA (Surrogate Rec)	58	69	65	6.0				30 - 150	20
QA/QC Batch 298583, QC Sample No: BH69782 (BH69803, BH69805, BH69807, BH69809, BH69811, BH69813, BH69815, BH69817, BH69819, BH69821)									
Pesticides									
4,4' -DDD		71	88	21.4				40 - 140	30
4,4' -DDE		77	91	16.7				40 - 140	30
4,4' -DDT		81	99	20.0				40 - 140	30
a-BHC		78	90	14.3				40 - 140	30
a-Chlordane		78	85	8.6				40 - 140	30
Alachlor		NA	NA	NC				40 - 140	30
Aldrin		79	88	10.8				40 - 140	30
b-BHC		83	90	8.1				40 - 140	30
Chlordane		78	91	15.4				40 - 140	30
d-BHC		72	77	6.7				40 - 140	30
Dieldrin		81	88	8.3				40 - 140	30
Endosulfan I		78	84	7.4				40 - 140	30
Endosulfan II		71	82	14.4				40 - 140	30
Endosulfan sulfate		70	77	9.5				40 - 140	30
Endrin		80	95	17.1				40 - 140	30
Endrin aldehyde		80	94	16.1				40 - 140	30
g-BHC		85	96	12.2				40 - 140	30
g-Chlordane		78	91	15.4				40 - 140	30
Heptachlor		79	89	11.9				40 - 140	30
Heptachlor epoxide		78	84	7.4				40 - 140	30
Methoxychlor		81	87	7.1				40 - 140	30
Toxaphene		NA	NA	NC				40 - 140	30
% DCBP		66	83	22.8				40 - 150	30
% TCMX		65	74	12.9				40 - 150	30

Comment:

No Blank could be reported for this Batch. The QC for this batch consists of an LCS and LCS duplicate. Alpha and gamma chlordane were spiked and analyzed instead of technical chlordane. Gamma chlordane recovery is reported as chlordane in the LCS and LCS

QA/QC Batch 298586, QC Sample No: BH69801 (BH69803, BH69805, BH69807, BH69809, BH69811, BH69813, BH69815, BH69817, BH69819, BH69821)									
Semivolatiles									
1,4-Dichlorobenzene	ND	62	63	1.6				30 - 130	20
2,4,5-Trichlorophenol	ND	95	97	2.1				30 - 130	20
2,4,6-Trichlorophenol	ND	93	93	0.0				30 - 130	20
2,4-Dinitrotoluene	ND	87	92	5.6				30 - 130	20
2-Methylphenol (o-cresol)	ND	80	82	2.5				30 - 130	20

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
3&4-Methylphenol (m&p-cresol)	ND	78	81	3.8				30 - 130	20
Hexachlorobenzene	ND	93	93	0.0				30 - 130	20
Hexachlorobutadiene	ND	65	65	0.0				30 - 130	20
Hexachloroethane	ND	61	61	0.0				30 - 130	20
Nitrobenzene	ND	83	86	3.6				30 - 130	20
Pentachlorophenol	ND	93	94	1.1				30 - 130	20
Pyridine	ND	32	33	3.1				30 - 130	20
% 2,4,6-Tribromophenol	94	98	101	3.0				15 - 110	20
% 2-Fluorobiphenyl	72	75	75	0.0				30 - 130	20
% 2-Fluorophenol	62	58	59	1.7				15 - 110	20
% Nitrobenzene-d5	80	79	81	2.5				30 - 130	20
% Phenol-d5	53	52	53	1.9				15 - 110	20
% Terphenyl-d14	93	93	95	2.1				30 - 130	20

Comment:

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

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

QA/QC Batch 298466, QC Sample No: BH69803 (BH69803, BH69805, BH69807, BH69809, BH69811, BH69813, BH69815, BH69817, BH69819, BH69821)

TPH by GC (Extractable Products) - Solid

Ext. Petroleum HC	ND	64			75	80	6.5	60 - 120	30
% n-Pentacosane	61	61			66	65	1.5	50 - 150	30

QA/QC Batch 298472, QC Sample No: BH69805 (BH69803, BH69805, BH69807, BH69809, BH69811, BH69813, BH69815, BH69817)

Chlorinated Herbicides - Solid

2,4,5-T	ND	59	60	1.7	67	60	11.0	40 - 140	30
2,4,5-TP (Silvex)	ND	65	66	1.5	72	65	10.2	40 - 140	30
2,4-D	ND	50	49	2.0	58	64	9.8	40 - 140	30
2,4-DB	ND	67	67	0.0	77	75	2.6	40 - 140	30
Dalapon	ND	57	51	11.1	42	35	18.2	40 - 140	30
Dicamba	ND	72	73	1.4	75	72	4.1	40 - 140	30
Dichloroprop	ND	61	61	0.0	66	62	6.3	40 - 140	30
Dinoseb	ND	77	82	6.3	89	83	7.0	40 - 140	30
% DCAA (Surrogate Rec)	65	62	62	0.0	66	62	6.3	30 - 150	30

QA/QC Batch 298534, QC Sample No: BH69807 (BH69807, BH69809, BH69811, BH69813, BH69815, BH69817, BH69819, BH69821)

Chlorinated Herbicides

2,4,5-TP (Silvex)	ND	89	80	10.7				40 - 140	20
2,4-D	ND	68	57	17.6				40 - 140	20
% DCAA (Surrogate Rec)	52	77	66	15.4				30 - 150	20

QA/QC Batch 298669, QC Sample No: BH69810 (BH69802, BH69804, BH69806 (25X) , BH69808 (1X, 25X) , BH69814 (25X))

Volatiles (TCL) - Solid

1,1,1,2-Tetrachloroethane	ND	99	97	2.0	81	93	13.8	70 - 130	30
1,1,1-Trichloroethane	ND	104	99	4.9	88	93	5.5	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	97	90	7.5	83	92	10.3	70 - 130	30
1,1,2-Trichloroethane	ND	99	91	8.4	89	97	8.6	70 - 130	30
1,1-Dichloroethane	ND	104	98	5.9	93	98	5.2	70 - 130	30
1,1-Dichloroethene	ND	111	107	3.7	87	89	2.3	70 - 130	30
1,2,3-Trichlorobenzene	ND	95	87	8.8	91	102	11.4	70 - 130	30
1,2,4-Trichlorobenzene	ND	93	83	11.4	92	102	10.3	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	95	88	7.7	74	80	7.8	70 - 130	30

QA/QC Data

SDG I.D.: GBH69802

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,2-Dibromoethane	ND	98	95	3.1	91	98	7.4	70 - 130	30	
1,2-Dichlorobenzene	ND	96	90	6.5	92	99	7.3	70 - 130	30	
1,2-Dichloroethane	ND	101	93	8.2	89	97	8.6	70 - 130	30	
1,2-Dichloropropane	ND	101	94	7.2	96	101	5.1	70 - 130	30	
1,3-Dichlorobenzene	ND	97	88	9.7	93	100	7.3	70 - 130	30	
1,4-Dichlorobenzene	ND	95	86	9.9	92	100	8.3	70 - 130	30	
1,4-dioxane	ND	116	95	19.9	108	118	8.8	70 - 130	30	
2-Hexanone	ND	61	61	0.0	54	59	8.8	70 - 130	30	l,m
4-Methyl-2-pentanone	ND	88	85	3.5	75	81	7.7	70 - 130	30	
Acetone	ND	63	63	0.0	19	19	0.0	70 - 130	30	l,m
Acrolein	ND	118	120	1.7	35	35	0.0	70 - 130	30	m
Acrylonitrile	ND	101	94	7.2	80	88	9.5	70 - 130	30	
Benzene	ND	100	95	5.1	93	101	8.2	70 - 130	30	
Bromochloromethane	ND	103	99	4.0	90	94	4.3	70 - 130	30	
Bromodichloromethane	ND	110	98	11.5	81	93	13.8	70 - 130	30	
Bromoform	ND	105	95	10.0	62	75	19.0	70 - 130	30	m
Bromomethane	ND	96	101	5.1	63	69	9.1	70 - 130	30	m
Carbon Disulfide	ND	121	114	6.0	82	86	4.8	70 - 130	30	
Carbon tetrachloride	ND	106	99	6.8	50	91	58.2	70 - 130	30	m,r
Chlorobenzene	ND	98	93	5.2	94	102	8.2	70 - 130	30	
Chloroethane	ND	115	106	8.1	23	24	4.3	70 - 130	30	m
Chloroform	ND	99	94	5.2	88	95	7.7	70 - 130	30	
Chloromethane	ND	101	95	6.1	90	94	4.3	70 - 130	30	
cis-1,2-Dichloroethene	ND	103	95	8.1	97	102	5.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	108	99	8.7	90	102	12.5	70 - 130	30	
Cyclohexane	ND	91	85	6.8	94	97	3.1	70 - 130	30	
Dibromochloromethane	ND	108	100	7.7	72	85	16.6	70 - 130	30	
Dichlorodifluoromethane	ND	114	103	10.1	91	95	4.3	70 - 130	30	
Ethylbenzene	ND	99	92	7.3	94	100	6.2	70 - 130	30	
Isopropylbenzene	ND	101	93	8.2	96	103	7.0	70 - 130	30	
m&p-Xylene	ND	95	90	5.4	94	99	5.2	70 - 130	30	
Methyl ethyl ketone	ND	61	58	5.0	52	60	14.3	70 - 130	30	l,m
Methyl t-butyl ether (MTBE)	ND	98	92	6.3	102	95	7.1	70 - 130	30	
Methylacetate	ND	97	97	0.0	79	83	4.9	70 - 130	30	
Methylcyclohexane	ND	98	89	9.6	95	103	8.1	70 - 130	30	
Methylene chloride	ND	105	97	7.9	74	80	7.8	70 - 130	30	
o-Xylene	ND	100	94	6.2	96	100	4.1	70 - 130	30	
Styrene	ND	97	92	5.3	93	99	6.3	70 - 130	30	
tert-butyl alcohol	ND	108	89	19.3	96	107	10.8	70 - 130	30	
Tetrachloroethene	ND	101	91	10.4	98	104	5.9	70 - 130	30	
Toluene	ND	103	95	8.1	97	104	7.0	70 - 130	30	
trans-1,2-Dichloroethene	ND	110	102	7.5	94	99	5.2	70 - 130	30	
trans-1,3-Dichloropropene	ND	108	101	6.7	90	99	9.5	70 - 130	30	
Trichloroethene	ND	108	101	6.7	98	104	5.9	70 - 130	30	
Trichlorofluoromethane	ND	111	101	9.4	21	22	4.7	70 - 130	30	m
Trichlorotrifluoroethane	ND	114	102	11.1	90	92	2.2	70 - 130	30	
Vinyl chloride	ND	104	100	3.9	110	112	1.8	70 - 130	30	
% 1,2-dichlorobenzene-d4	96	101	102	1.0	101	103	2.0	70 - 130	30	
% Bromofluorobenzene	96	98	100	2.0	97	97	0.0	70 - 130	30	
% Dibromofluoromethane	100	103	102	1.0	98	98	0.0	70 - 130	30	
% Toluene-d8	89	101	100	1.0	99	100	1.0	70 - 130	30	

Comment:

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

QA/QC Data

SDG I.D.: GBH69802

QA/QC Batch 298664, QC Sample No: BH69810 (BH69802, BH69804, BH69808 (1X, 25X) , BH69810 (25X) , BH69814 (25X))

Volatiles - Solid

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,2,4-Trimethylbenzene	ND	84	100	17.4	92	99	7.3	70 - 130	30
1,3,5-Trimethylbenzene	ND	90	106	16.3	94	100	6.2	70 - 130	30
1,3-Dichlorobenzene	ND	87	105	18.8	92	99	7.3	70 - 130	30
Naphthalene	ND	90	111	20.9	83	95	13.5	70 - 130	30
n-Butylbenzene	ND	84	100	17.4	93	101	8.2	70 - 130	30
n-Propylbenzene	ND	85	102	18.2	96	104	8.0	70 - 130	30
p-Isopropyltoluene	ND	88	106	18.6	94	101	7.2	70 - 130	30
sec-Butylbenzene	ND	93	110	16.7	94	102	8.2	70 - 130	30
tert-Butylbenzene	ND	93	111	17.6	96	103	7.0	70 - 130	30
% 1,2-dichlorobenzene-d4	96	101	100	1.0	101	103	2.0	70 - 130	30
% Bromofluorobenzene	98	99	99	0.0	96	97	1.0	70 - 130	30
% Dibromofluoromethane	101	102	103	1.0	98	97	1.0	70 - 130	30
% Toluene-d8	89	100	101	1.0	100	100	0.0	70 - 130	30

Comment:

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

QA/QC Batch 298780, QC Sample No: BH69811 (BH69811 (5X) , BH69813 (5X) , BH69815 (5X) , BH69817 (5X) , BH69819 (5X) , BH69821 (5X))

Volatiles - TCLP

1,1-Dichloroethene	ND	130	94	32.1	85	81	4.8	70 - 130	30	r
1,2-Dichloroethane	ND	108	110	1.8	95	83	13.5	70 - 130	30	
Benzene	ND	115	114	0.9	91	81	11.6	70 - 130	30	
Carbon tetrachloride	ND	105	109	3.7	90	83	8.1	70 - 130	30	
Chlorobenzene	ND	115	113	1.8	94	82	13.6	70 - 130	30	
Chloroform	ND	109	111	1.8	96	84	13.3	70 - 130	30	
Methyl ethyl ketone	ND	113	107	5.5	89	79	11.9	70 - 130	30	
Tetrachloroethene	ND	117	112	4.4	89	80	10.7	70 - 130	30	
Trichloroethene	ND	115	114	0.9	89	81	9.4	70 - 130	30	
Vinyl chloride	ND	74	86	15.0	87	80	8.4	70 - 130	30	
% 1,2-dichlorobenzene-d4	99	100	82	19.8	100	100	0.0	70 - 130	30	
% Bromofluorobenzene	93	98	97	1.0	101	102	1.0	70 - 130	30	
% Dibromofluoromethane	99	102	100	2.0	102	103	1.0	70 - 130	30	
% Toluene-d8	101	94	100	6.2	100	100	0.0	70 - 130	30	

Comment:

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

QA/QC Batch 298791, QC Sample No: BH69816 (BH69806, BH69810, BH69812, BH69814, BH69816, BH69818, BH69820)

Volatiles (TCL) - Solid

1,1,1,2-Tetrachloroethane	ND	118	112	5.2	94	95	1.1	70 - 130	30
1,1,1-Trichloroethane	ND	113	106	6.4	96	97	1.0	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	114	111	2.7	87	87	0.0	70 - 130	30
1,1,2-Trichloroethane	ND	114	105	8.2	91	92	1.1	70 - 130	30
1,1-Dichloroethane	ND	110	106	3.7	93	95	2.1	70 - 130	30
1,1-Dichloroethene	ND	124	112	10.2	89	90	1.1	70 - 130	30
1,2,3-Trichlorobenzene	ND	114	109	4.5	99	100	1.0	70 - 130	30
1,2,4-Trichlorobenzene	ND	112	109	2.7	101	102	1.0	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	113	105	7.3	81	83	2.4	70 - 130	30
1,2-Dibromoethane	ND	119	109	8.8	94	95	1.1	70 - 130	30
1,2-Dichlorobenzene	ND	111	106	4.6	98	97	1.0	70 - 130	30
1,2-Dichloroethane	ND	114	107	6.3	95	95	0.0	70 - 130	30
1,2-Dichloropropane	ND	110	105	4.7	96	95	1.0	70 - 130	30

QA/QC Data

SDG I.D.: GBH69802

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,3-Dichlorobenzene	ND	113	107	5.5	98	96	2.1	70 - 130	30	
1,4-Dichlorobenzene	ND	111	104	6.5	98	96	2.1	70 - 130	30	
1,4-dioxane	ND	125	115	8.3	119	101	16.4	70 - 130	30	
2-Hexanone	ND	73	73	0.0	63	71	11.9	70 - 130	30	m
4-Methyl-2-pentanone	ND	104	100	3.9	76	79	3.9	70 - 130	30	
Acetone	ND	72	69	4.3	30	30	0.0	70 - 130	30	l,m
Acrolein	ND	155	148	4.6	72	75	4.1	70 - 130	30	l
Acrylonitrile	ND	111	107	3.7	80	86	7.2	70 - 130	30	
Benzene	ND	112	104	7.4	97	96	1.0	70 - 130	30	
Bromochloromethane	ND	114	112	1.8	92	93	1.1	70 - 130	30	
Bromodichloromethane	ND	123	116	5.9	93	95	2.1	70 - 130	30	
Bromoform	ND	124	119	4.1	85	86	1.2	70 - 130	30	
Bromomethane	ND	126	109	14.5	60	68	12.5	70 - 130	30	m
Carbon Disulfide	ND	133	123	7.8	88	89	1.1	70 - 130	30	l
Carbon tetrachloride	ND	120	114	5.1	90	63	35.3	70 - 130	30	m,r
Chlorobenzene	ND	111	107	3.7	99	99	0.0	70 - 130	30	
Chloroethane	ND	128	113	12.4	25	24	4.1	70 - 130	30	m
Chloroform	ND	108	103	4.7	90	93	3.3	70 - 130	30	
Chloromethane	ND	108	102	5.7	95	93	2.1	70 - 130	30	
cis-1,2-Dichloroethene	ND	112	107	4.6	98	101	3.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	125	117	6.6	99	98	1.0	70 - 130	30	
Cyclohexane	ND	97	91	6.4	95	95	0.0	70 - 130	30	
Dibromochloromethane	ND	128	119	7.3	90	94	4.3	70 - 130	30	
Dichlorodifluoromethane	ND	115	106	8.1	96	95	1.0	70 - 130	30	
Ethylbenzene	ND	111	105	5.6	98	96	2.1	70 - 130	30	
Isopropylbenzene	ND	112	105	6.5	99	98	1.0	70 - 130	30	
m&p-Xylene	ND	108	103	4.7	97	96	1.0	70 - 130	30	
Methyl ethyl ketone	ND	71	68	4.3	61	72	16.5	70 - 130	30	l,m
Methyl t-butyl ether (MTBE)	ND	115	107	7.2	113	113	0.0	70 - 130	30	
Methylacetate	ND	114	104	9.2	76	85	11.2	70 - 130	30	
Methylcyclohexane	ND	108	102	5.7	100	100	0.0	70 - 130	30	
Methylene chloride	ND	111	101	9.4	86	87	1.2	70 - 130	30	
o-Xylene	ND	113	106	6.4	99	98	1.0	70 - 130	30	
Styrene	ND	111	106	4.6	100	98	2.0	70 - 130	30	
tert-butyl alcohol	ND	120	102	16.2	101	95	6.1	70 - 130	30	
Tetrachloroethene	ND	114	110	3.6	104	104	0.0	70 - 130	30	
Toluene	ND	115	109	5.4	101	99	2.0	70 - 130	30	
trans-1,2-Dichloroethene	ND	120	112	6.9	97	99	2.0	70 - 130	30	
trans-1,3-Dichloropropene	ND	126	120	4.9	96	97	1.0	70 - 130	30	
Trichloroethene	ND	119	110	7.9	102	101	1.0	70 - 130	30	
Trichlorofluoromethane	ND	122	113	7.7	22	22	0.0	70 - 130	30	m
Trichlorotrifluoroethane	ND	120	113	6.0	92	92	0.0	70 - 130	30	
Vinyl chloride	ND	113	103	9.3	112	114	1.8	70 - 130	30	
% 1,2-dichlorobenzene-d4	99	101	103	2.0	104	104	0.0	70 - 130	30	
% Bromofluorobenzene	95	97	98	1.0	101	99	2.0	70 - 130	30	
% Dibromofluoromethane	100	103	100	3.0	97	103	6.0	70 - 130	30	
% Toluene-d8	90	102	101	1.0	101	101	0.0	70 - 130	30	

Comment:

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

QA/QC Batch 298790, QC Sample No: BH69816 (BH69806, BH69810, BH69812, BH69814, BH69816, BH69818, BH69820)

Volatiles - Solid

1,2,4-Trimethylbenzene	ND	104	98	5.9	97	95	2.1	70 - 130	30	

QA/QC Data

SDG I.D.: GBH69802

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,3,5-Trimethylbenzene	ND	109	103	5.7	99	96	3.1	70 - 130	30
1,3-Dichlorobenzene	ND	112	106	5.5	97	95	2.1	70 - 130	30
Naphthalene	ND	111	107	3.7	86	90	4.5	70 - 130	30
n-Butylbenzene	ND	109	103	5.7	101	99	2.0	70 - 130	30
n-Propylbenzene	ND	106	99	6.8	101	96	5.1	70 - 130	30
p-Isopropyltoluene	ND	110	105	4.7	100	98	2.0	70 - 130	30
sec-Butylbenzene	ND	112	106	5.5	100	97	3.0	70 - 130	30
tert-Butylbenzene	ND	111	104	6.5	100	98	2.0	70 - 130	30
% 1,2-dichlorobenzene-d4	98	101	102	1.0	103	103	0.0	70 - 130	30
% Bromofluorobenzene	98	96	98	2.1	100	99	1.0	70 - 130	30
% Dibromofluoromethane	100	103	100	3.0	97	102	5.0	70 - 130	30
% Toluene-d8	91	102	102	0.0	101	100	1.0	70 - 130	30

Comment:

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

QA/QC Batch 298463, QC Sample No: BH69829 (BH69803, BH69805, BH69807, BH69809, BH69811, BH69813, BH69815)

Pesticides - Solid

4,4' -DDD	ND	89	85	4.6	88	88	0.0	40 - 140	30
4,4' -DDE	ND	89	90	1.1	94	90	4.3	40 - 140	30
4,4' -DDT	ND	90	85	5.7	90	90	0.0	40 - 140	30
a-BHC	ND	97	95	2.1	97	100	3.0	40 - 140	30
a-Chlordane	ND	93	91	2.2	93	93	0.0	40 - 140	30
Aldrin	ND	99	97	2.0	99	97	2.0	40 - 140	30
b-BHC	ND	95	91	4.3	95	99	4.1	40 - 140	30
Chlordane	ND	89	86	3.4	89	88	1.1	40 - 140	30
d-BHC	ND	78	78	0.0	82	84	2.4	40 - 140	30
Dieldrin	ND	91	90	1.1	92	92	0.0	40 - 140	30
Endosulfan I	ND	93	93	0.0	98	98	0.0	40 - 140	30
Endosulfan II	ND	68	77	12.4	90	90	0.0	40 - 140	30
Endosulfan sulfate	ND	62	63	1.6	71	75	5.5	40 - 140	30
Endrin	ND	91	89	2.2	93	94	1.1	40 - 140	30
Endrin aldehyde	ND	59	63	6.6	76	85	11.2	40 - 140	30
Endrin ketone	ND	72	74	2.7	75	79	5.2	40 - 140	30
g-BHC	ND	97	95	2.1	99	101	2.0	40 - 140	30
g-Chlordane	ND	89	86	3.4	89	88	1.1	40 - 140	30
Heptachlor	ND	95	93	2.1	98	95	3.1	40 - 140	30
Heptachlor epoxide	ND	92	90	2.2	92	92	0.0	40 - 140	30
Methoxychlor	ND	85	83	2.4	92	93	1.1	40 - 140	30
Toxaphene	ND	NA	NA	NC	NA	NA	NC	40 - 140	30
% DCBP	88	88	89	1.1	86	83	3.6	30 - 150	30
% TCMX	98	98	94	4.2	96	96	0.0	30 - 150	30

QA/QC Batch 298462, QC Sample No: BH69829 (BH69803, BH69805, BH69807, BH69809, BH69811, BH69813, BH69815)

Polychlorinated Biphenyls - Solid

PCB-1016	ND	86	92	6.7	89	87	2.3	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	90	94	4.3	92	87	5.6	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30

QA/QC Data

SDG I.D.: GBH69802

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
% DCBP (Surrogate Rec)	78	99	103	4.0	99	94	5.2	30 - 150	30	
% TCMX (Surrogate Rec)	61	93	96	3.2	93	90	3.3	30 - 150	30	

Comment:

Spike was added to Blank BH69829. Blank BH69538 was prepped on the same day and was reported for this batch. All other QC was within criteria. -AW

QA/QC Batch 298465, QC Sample No: BH69829 (BH69803, BH69805, BH69807, BH69809, BH69811, BH69813, BH69815)

Semivolatiles - Solid

1,1-Biphenyl	ND	86	85	1.2	84	84	0.0	30 - 130	30	
1,2,4,5-Tetrachlorobenzene	ND	77	78	1.3	78	77	1.3	30 - 130	30	
1,2-Diphenylhydrazine	ND	100	98	2.0	86	88	2.3	30 - 130	30	
2,3,4,6-tetrachlorophenol	ND	92	95	3.2	94	92	2.2	30 - 130	30	
2,4,5-Trichlorophenol	ND	98	99	1.0	97	96	1.0	30 - 130	30	
2,4,6-Trichlorophenol	ND	97	97	0.0	96	96	0.0	30 - 130	30	
2,4-Dichlorophenol	ND	85	87	2.3	84	83	1.2	30 - 130	30	
2,4-Dimethylphenol	ND	81	82	1.2	80	80	0.0	30 - 130	30	
2,4-Dinitrophenol	ND	32	39	19.7	30	26	14.3	30 - 130	30	m
2,4-Dinitrotoluene	ND	97	101	4.0	95	96	1.0	30 - 130	30	
2,6-Dinitrotoluene	ND	94	97	3.1	93	94	1.1	30 - 130	30	
2-Chloronaphthalene	ND	88	87	1.1	85	85	0.0	30 - 130	30	
2-Chlorophenol	ND	85	86	1.2	81	82	1.2	30 - 130	30	
2-Methylnaphthalene	ND	82	83	1.2	81	80	1.2	30 - 130	30	
2-Methylphenol (o-cresol)	ND	85	86	1.2	81	81	0.0	30 - 130	30	
2-Nitroaniline	ND	145	154	6.0	141	141	0.0	30 - 130	30	l,m
2-Nitrophenol	ND	86	88	2.3	82	83	1.2	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	90	91	1.1	85	85	0.0	30 - 130	30	
3,3'-Dichlorobenzidine	ND	101	101	0.0	109	111	1.8	30 - 130	30	
3-Nitroaniline	ND	129	131	1.5	129	130	0.8	30 - 130	30	l
4,6-Dinitro-2-methylphenol	ND	59	67	12.7	80	73	9.2	30 - 130	30	
4-Bromophenyl phenyl ether	ND	93	91	2.2	92	91	1.1	30 - 130	30	
4-Chloro-3-methylphenol	ND	93	94	1.1	89	88	1.1	30 - 130	30	
4-Chloroaniline	ND	70	66	5.9	66	66	0.0	30 - 130	30	
4-Chlorophenyl phenyl ether	ND	86	84	2.4	87	86	1.2	30 - 130	30	
4-Nitroaniline	ND	110	110	0.0	97	99	2.0	30 - 130	30	
4-Nitrophenol	ND	107	111	3.7	91	92	1.1	30 - 130	30	
Acenaphthene	ND	87	87	0.0	85	85	0.0	30 - 130	30	
Acenaphthylene	ND	87	88	1.1	86	85	1.2	30 - 130	30	
Acetophenone	ND	87	87	0.0	81	81	0.0	30 - 130	30	
Anthracene	ND	93	92	1.1	91	90	1.1	30 - 130	30	
Atrazine	ND	106	106	0.0	103	101	2.0	30 - 130	30	
Benz(a)anthracene	ND	90	90	0.0	87	87	0.0	30 - 130	30	
Benzaldehyde	ND	55	49	11.5	97	98	1.0	30 - 130	30	
Benzidine	ND	28	23	19.6	54	53	1.9	30 - 130	30	l
Benzo(a)pyrene	ND	91	91	0.0	89	89	0.0	30 - 130	30	
Benzo(b)fluoranthene	ND	93	91	2.2	86	85	1.2	30 - 130	30	
Benzo(ghi)perylene	ND	97	98	1.0	95	88	7.7	30 - 130	30	
Benzo(k)fluoranthene	ND	87	87	0.0	89	92	3.3	30 - 130	30	
Benzyl Alcohol	ND	89	89	0.0	81	81	0.0	30 - 130	30	
Benzyl butyl phthalate	ND	98	100	2.0	91	91	0.0	30 - 130	30	
Bis(2-chloroethoxy)methane	ND	85	85	0.0	79	81	2.5	30 - 130	30	
Bis(2-chloroethyl)ether	ND	70	71	1.4	65	66	1.5	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	85	83	2.4	73	76	4.0	30 - 130	30	
Bis(2-ethylhexyl)phthalate	ND	95	93	2.1	88	88	0.0	30 - 130	30	

QA/QC Data

SDG I.D.: GBH69802

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Caprolactam	ND	86	87	1.2	87	86	1.2	30 - 130	30	
Carbazole	ND	155	164	5.6	152	152	0.0	30 - 130	30	l,m
Chrysene	ND	90	92	2.2	89	90	1.1	30 - 130	30	
Dibenz(a,h)anthracene	ND	92	92	0.0	92	87	5.6	30 - 130	30	
Dibenzofuran	ND	91	91	0.0	89	88	1.1	30 - 130	30	
Diethyl phthalate	ND	95	93	2.1	91	90	1.1	30 - 130	30	
Dimethylphthalate	ND	92	90	2.2	89	89	0.0	30 - 130	30	
Di-n-butylphthalate	ND	93	91	2.2	88	89	1.1	30 - 130	30	
Di-n-octylphthalate	ND	96	94	2.1	87	92	5.6	30 - 130	30	
Fluoranthene	ND	89	89	0.0	89	88	1.1	30 - 130	30	
Fluorene	ND	89	89	0.0	88	88	0.0	30 - 130	30	
Hexachlorobenzene	ND	96	94	2.1	90	90	0.0	30 - 130	30	
Hexachlorobutadiene	ND	72	71	1.4	72	72	0.0	30 - 130	30	
Hexachlorocyclopentadiene	ND	80	82	2.5	72	66	8.7	30 - 130	30	
Hexachloroethane	ND	72	73	1.4	66	67	1.5	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	95	96	1.0	95	88	7.7	30 - 130	30	
Isophorone	ND	81	80	1.2	75	76	1.3	30 - 130	30	
Naphthalene	ND	76	75	1.3	74	74	0.0	30 - 130	30	
Nitrobenzene	ND	86	87	1.2	79	79	0.0	30 - 130	30	
N-Nitrosodimethylamine	ND	73	75	2.7	68	70	2.9	30 - 130	30	
N-Nitrosodi-n-propylamine	ND	96	98	2.1	83	84	1.2	30 - 130	30	
N-Nitrosodiphenylamine	ND	96	96	0.0	93	92	1.1	30 - 130	30	
Pentachlorophenol	ND	88	91	3.4	92	92	0.0	30 - 130	30	
Phenanthrene	ND	91	90	1.1	89	88	1.1	30 - 130	30	
Phenol	ND	92	92	0.0	85	85	0.0	30 - 130	30	
Pyrene	ND	88	88	0.0	88	87	1.1	30 - 130	30	
% 2,4,6-Tribromophenol	94	104	102	1.9	91	94	3.2	30 - 130	30	
% 2-Fluorobiphenyl	78	83	82	1.2	82	83	1.2	30 - 130	30	
% 2-Fluorophenol	75	79	80	1.3	75	76	1.3	30 - 130	30	
% Nitrobenzene-d5	74	84	85	1.2	77	79	2.6	30 - 130	30	
% Phenol-d5	83	89	89	0.0	82	83	1.2	30 - 130	30	
% Terphenyl-d14	94	94	92	2.2	95	94	1.1	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 298565, QC Sample No: BH69896 (BH69817, BH69819, BH69821)

Polychlorinated Biphenyls - Solid

PCB-1016	ND	87	91	4.5	89	90	1.1	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	94	93	1.1	87	87	0.0	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	84	90	89	1.1	82	80	2.5	30 - 150	30
% TCMX (Surrogate Rec)	85	95	98	3.1	91	93	2.2	30 - 150	30

QA/QC Batch 298566, QC Sample No: BH70553 (BH69817, BH69819, BH69821)

Pesticides - Solid

4,4' -DDD	ND	87	95	8.8	98	92	6.3	40 - 140	30
4,4' -DDE	ND	97	105	7.9	110	103	6.6	40 - 140	30

QA/QC Data

SDG I.D.: GBH69802

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
4,4' -DDT	ND	98	106	7.8	114	106	7.3	40 - 140	30	
a-BHC	ND	92	101	9.3	100	87	13.9	40 - 140	30	
a-Chlordane	ND	92	100	8.3	107	103	3.8	40 - 140	30	
Aldrin	ND	97	105	7.9	111	103	7.5	40 - 140	30	
b-BHC	ND	91	100	9.4	109	100	8.6	40 - 140	30	
Chlordane	ND	90	98	8.5	106	103	2.9	40 - 140	30	
d-BHC	ND	77	84	8.7	64	43	39.3	40 - 140	30	r
Dieldrin	ND	98	105	6.9	114	110	3.6	40 - 140	30	
Endosulfan I	ND	90	98	8.5	79	58	30.7	40 - 140	30	r
Endosulfan II	ND	86	96	11.0	83	59	33.8	40 - 140	30	r
Endosulfan sulfate	ND	64	72	11.8	82	80	2.5	40 - 140	30	
Endrin	ND	94	99	5.2	106	101	4.8	40 - 140	30	
Endrin aldehyde	ND	67	77	13.9	68	50	30.5	40 - 140	30	
Endrin ketone	ND	81	90	10.5	98	97	1.0	40 - 140	30	
g-BHC	ND	96	106	9.9	113	103	9.3	40 - 140	30	
g-Chlordane	ND	90	98	8.5	106	103	2.9	40 - 140	30	
Heptachlor	ND	89	96	7.6	105	100	4.9	40 - 140	30	
Heptachlor epoxide	ND	86	84	2.4	101	99	2.0	40 - 140	30	
Methoxychlor	ND	87	93	6.7	110	113	2.7	40 - 140	30	
Toxaphene	ND	NA	NA	NC	NA	NA	NC	40 - 140	30	
% DCBP	90	86	91	5.6	92	85	7.9	30 - 150	30	
% TCMX	83	81	85	4.8	87	83	4.7	30 - 150	30	

QA/QC Batch 298567, QC Sample No: BH70553 (BH69817, BH69819, BH69821)

Semivolatiles - Solid

1,1-Biphenyl	ND	86	86	0.0	85	83	2.4	30 - 130	30	
1,2,4,5-Tetrachlorobenzene	ND	86	88	2.3	88	84	4.7	30 - 130	30	
1,2-Diphenylhydrazine	ND	101	103	2.0	101	98	3.0	30 - 130	30	
2,3,4,6-tetrachlorophenol	ND	108	107	0.9	50	62	21.4	30 - 130	30	
2,4,5-Trichlorophenol	ND	109	108	0.9	81	84	3.6	30 - 130	30	
2,4,6-Trichlorophenol	ND	103	104	1.0	57	68	17.6	30 - 130	30	
2,4-Dichlorophenol	ND	94	97	3.1	89	84	5.8	30 - 130	30	
2,4-Dimethylphenol	ND	95	96	1.0	106	101	4.8	30 - 130	30	
2,4-Dinitrophenol	ND	54	47	13.9	<10	<10	NC	30 - 130	30	m
2,4-Dinitrotoluene	ND	100	102	2.0	101	97	4.0	30 - 130	30	
2,6-Dinitrotoluene	ND	96	98	2.1	97	94	3.1	30 - 130	30	
2-Chloronaphthalene	ND	90	89	1.1	89	86	3.4	30 - 130	30	
2-Chlorophenol	ND	87	90	3.4	86	80	7.2	30 - 130	30	
2-Methylnaphthalene	ND	86	89	3.4	88	84	4.7	30 - 130	30	
2-Methylphenol (o-cresol)	ND	94	98	4.2	100	94	6.2	30 - 130	30	
2-Nitroaniline	ND	102	96	6.1	112	100	11.3	30 - 130	30	
2-Nitrophenol	ND	97	100	3.0	69	72	4.3	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	91	94	3.2	97	89	8.6	30 - 130	30	
3,3'-Dichlorobenzidine	ND	71	70	1.4	84	81	3.6	30 - 130	30	
3-Nitroaniline	ND	92	95	3.2	91	84	8.0	30 - 130	30	
4,6-Dinitro-2-methylphenol	ND	87	81	7.1	13	14	7.4	30 - 130	30	m
4-Bromophenyl phenyl ether	ND	95	95	0.0	92	89	3.3	30 - 130	30	
4-Chloro-3-methylphenol	ND	102	107	4.8	109	102	6.6	30 - 130	30	
4-Chloroaniline	ND	81	83	2.4	80	73	9.2	30 - 130	30	
4-Chlorophenyl phenyl ether	ND	92	91	1.1	91	89	2.2	30 - 130	30	
4-Nitroaniline	ND	102	104	1.9	107	101	5.8	30 - 130	30	
4-Nitrophenol	ND	118	125	5.8	<10	<10	NC	30 - 130	30	m
Acenaphthene	ND	90	90	0.0	91	89	2.2	30 - 130	30	

QA/QC Data

SDG I.D.: GBH69802

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Acenaphthylene	ND	85	86	1.2	86	83	3.6	30 - 130	30	
Acetophenone	ND	91	95	4.3	94	88	6.6	30 - 130	30	
Anthracene	ND	91	93	2.2	92	91	1.1	30 - 130	30	
Atrazine	ND	95	98	3.1	93	91	2.2	30 - 130	30	
Benz(a)anthracene	ND	96	95	1.0	100	97	3.0	30 - 130	30	
Benzaldehyde	ND	46	44	4.4	53	48	9.9	30 - 130	30	
Benzidine	ND	46	28	48.6	32	38	17.1	30 - 130	30	l,r
Benzo(a)pyrene	ND	93	94	1.1	94	92	2.2	30 - 130	30	
Benzo(b)fluoranthene	ND	95	97	2.1	101	99	2.0	30 - 130	30	
Benzo(ghi)perylene	ND	112	111	0.9	111	96	14.5	30 - 130	30	
Benzo(k)fluoranthene	ND	87	90	3.4	86	88	2.3	30 - 130	30	
Benzyl Alcohol	ND	105	110	4.7	111	101	9.4	30 - 130	30	
Benzyl butyl phthalate	ND	98	103	5.0	104	99	4.9	30 - 130	30	
Bis(2-chloroethoxy)methane	ND	90	93	3.3	92	88	4.4	30 - 130	30	
Bis(2-chloroethyl)ether	ND	77	81	5.1	80	79	1.3	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	90	94	4.3	93	88	5.5	30 - 130	30	
Bis(2-ethylhexyl)phthalate	ND	95	99	4.1	101	98	3.0	30 - 130	30	
Caprolactam	ND	85	92	7.9	93	87	6.7	30 - 130	30	
Carbazole	ND	99	100	1.0	99	97	2.0	30 - 130	30	
Chrysene	ND	97	98	1.0	99	97	2.0	30 - 130	30	
Dibenz(a,h)anthracene	ND	107	105	1.9	109	90	19.1	30 - 130	30	
Dibenzofuran	ND	96	97	1.0	97	94	3.1	30 - 130	30	
Diethyl phthalate	ND	96	99	3.1	97	94	3.1	30 - 130	30	
Dimethylphthalate	ND	93	95	2.1	94	91	3.2	30 - 130	30	
Di-n-butylphthalate	ND	96	101	5.1	93	93	0.0	30 - 130	30	
Di-n-octylphthalate	ND	96	98	2.1	98	93	5.2	30 - 130	30	
Fluoranthene	ND	98	97	1.0	91	93	2.2	30 - 130	30	
Fluorene	ND	92	91	1.1	95	91	4.3	30 - 130	30	
Hexachlorobenzene	ND	97	99	2.0	95	93	2.1	30 - 130	30	
Hexachlorobutadiene	ND	82	81	1.2	80	78	2.5	30 - 130	30	
Hexachlorocyclopentadiene	ND	90	92	2.2	76	64	17.1	30 - 130	30	
Hexachloroethane	ND	77	77	0.0	77	74	4.0	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	112	112	0.0	112	96	15.4	30 - 130	30	
Isophorone	ND	87	90	3.4	89	84	5.8	30 - 130	30	
Naphthalene	ND	84	84	0.0	83	81	2.4	30 - 130	30	
Nitrobenzene	ND	86	90	4.5	90	85	5.7	30 - 130	30	
N-Nitrosodimethylamine	ND	76	76	0.0	78	72	8.0	30 - 130	30	
N-Nitrosodi-n-propylamine	ND	92	98	6.3	97	89	8.6	30 - 130	30	
N-Nitrosodiphenylamine	ND	97	99	2.0	103	98	5.0	30 - 130	30	
Pentachlorophenol	ND	107	108	0.9	54	61	12.2	30 - 130	30	
Phenanthrene	ND	95	93	2.1	92	90	2.2	30 - 130	30	
Phenol	ND	100	104	3.9	106	97	8.9	30 - 130	30	
Pyrene	ND	100	98	2.0	91	96	5.3	30 - 130	30	
% 2,4,6-Tribromophenol	107	101	106	4.8	67	65	3.0	30 - 130	30	
% 2-Fluorobiphenyl	79	86	87	1.2	84	82	2.4	30 - 130	30	
% 2-Fluorophenol	67	80	84	4.9	71	64	10.4	30 - 130	30	
% Nitrobenzene-d5	84	84	89	5.8	87	83	4.7	30 - 130	30	
% Phenol-d5	76	85	90	5.7	89	81	9.4	30 - 130	30	
% Terphenyl-d14	87	99	98	1.0	90	95	5.4	30 - 130	30	

Comment:

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

QA/QC Data

SDG I.D.: GBH69802

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 298597, QC Sample No: BH70555 (BH69819, BH69821)									
Chlorinated Herbicides - Solid									
2,4,5-T	ND	70	66	5.9	67	61	9.4	40 - 140	30
2,4,5-TP (Silvex)	ND	74	71	4.1	72	63	13.3	40 - 140	30
2,4-D	ND	67	53	23.3	63	67	6.2	40 - 140	30
2,4-DB	ND	79	73	7.9	72	64	11.8	40 - 140	30
Dalapon	ND	51	41	21.7	62	61	1.6	40 - 140	30
Dicamba	ND	84	75	11.3	72	66	8.7	40 - 140	30
Dichloroprop	ND	73	66	10.1	65	63	3.1	40 - 140	30
Dinoseb	ND	91	83	9.2	83	66	22.8	40 - 140	30
% DCAA (Surrogate Rec)	69	70	60	15.4	61	57	6.8	30 - 150	30
QA/QC Batch 298792, QC Sample No: BH71149 (BH69803 (5X) , BH69805 (5X) , BH69807 (5X) , BH69809 (5X))									
Volatiles - TCLP									
1,1-Dichloroethene	ND	116	119	2.6	108	109	0.9	70 - 130	30
1,2-Dichloroethane	ND	117	125	6.6	108	110	1.8	70 - 130	30
Benzene	ND	118	122	3.3	108	111	2.7	70 - 130	30
Carbon tetrachloride	ND	114	121	6.0	108	110	1.8	70 - 130	30
Chlorobenzene	ND	115	120	4.3	109	110	0.9	70 - 130	30
Chloroform	ND	122	127	4.0	112	113	0.9	70 - 130	30
Methyl ethyl ketone	ND	106	115	8.1	99	97	2.0	70 - 130	30
Tetrachloroethene	ND	111	116	4.4	106	108	1.9	70 - 130	30
Trichloroethene	ND	115	119	3.4	108	110	1.8	70 - 130	30
Vinyl chloride	ND	103	109	5.7	110	111	0.9	70 - 130	30
% 1,2-dichlorobenzene-d4	96	99	101	2.0	99	101	2.0	70 - 130	30
% Bromofluorobenzene	94	98	99	1.0	98	98	0.0	70 - 130	30
% Dibromofluoromethane	91	99	100	1.0	99	99	0.0	70 - 130	30
% Toluene-d8	97	101	101	0.0	100	100	0.0	70 - 130	30

Comment:

A blank MS/MSD was analyzed with this batch.

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

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

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

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

Phyllis Shiller, Laboratory Director
February 11, 2015

Sample Criteria Exceedences Report

GBH69802 - IMPACT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH69803	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	170	3.9	63	63	mg/Kg
BH69803	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	145	0.39	109	109	mg/Kg
BH69809	$DPSVNJ_TCL	Benz(a)anthracene	NJ / Soil Remediation Standard / Res. Direct Contact	990	270	600	200	ug/Kg
BH69809	$DPSVNJ_TCL	Benzo(a)pyrene	NJ / Soil Remediation Standard / Res. Direct Contact	990	150	200	200	ug/Kg
BH69809	$DPSVNJ_TCL	Benzo(b)fluoranthene	NJ / Soil Remediation Standard / Res. Direct Contact	1300	270	600	200	ug/Kg
BH69809	$DPSVNJ_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1300	270	1000	1000	ug/Kg
BH69809	$DPSVNJ_TCL	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1100	270	1000	1000	ug/Kg
BH69809	$PCB_SMR	PCB-1260	NJ / Soil Remediation Standard / Res. Direct Contact	430	78	200	30	ug/Kg
BH69809	$PCB_SMR	PCB-1260	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	430	78	100	100	ug/Kg
BH69809	$PESTSM_NY	Toxaphene	NJ / Soil Remediation Standard / Res. Direct Contact	ND	770	600	200	ug/Kg
BH69809	$PESTSM_NY	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	12	3.3	3.3	ug/Kg
BH69809	$PESTSM_NY	Endrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	38	14	14	ug/Kg
BH69809	$PESTSM_NY	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	19	5	5	ug/Kg
BH69809	$PESTSM_NY	b-BHC	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	38	36	36	ug/Kg
BH69809	$PESTSM_NY	a-BHC	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	38	20	20	ug/Kg
BH69809	$PESTSM_NY	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	12	3.3	3.3	ug/Kg
BH69809	$PESTSM_NY	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	12	3.3	3.3	ug/Kg
BH69809	$PESTSM_NY	Aldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	19	5	5	ug/Kg
BH69809	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	287	4.1	30		mg/Kg
BH69809	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	2930	41	50	50	mg/kg
BH69809	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	151	0.41	30	30	mg/Kg
BH69809	PB-SM	Lead	NJ / Soil Remediation Standard / Res. Direct Contact	505	4.1	400	1	mg/Kg
BH69809	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	505	4.1	63	63	mg/Kg
BH69809	TRI-CRSM	Trivalent Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	287	0.50	30	30	mg/kg
BH69809	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	1030	4.1	109	109	mg/Kg
BH69811	$DPSVNJ_TCL	Benzo(a)pyrene	NJ / Soil Remediation Standard / Res. Direct Contact	550	160	200	200	ug/Kg
BH69811	$DPSVNJ_TCL	Benzo(b)fluoranthene	NJ / Soil Remediation Standard / Res. Direct Contact	760	280	600	200	ug/Kg
BH69811	AG-SM	Silver	NY / 375-6.8 Metals / Unrestricted Use Soil	2.28	0.39	2	2	mg/Kg
BH69811	BA-SM	Barium	NY / 375-6.8 Metals / Unrestricted Use Soil	509	0.39	350	350	mg/Kg
BH69811	CR-SM	Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	121	0.39	30		mg/Kg
BH69811	CU-SM	Copper	NJ / Soil Remediation Standard / Res. Direct Contact	8320	39	3100	3	mg/kg
BH69811	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	8320	39	50	50	mg/kg
BH69811	HEXCRSM	Chromium, Hexavalent	NY / 375-6.8 Metals / Unrestricted Use Soil	2.08	0.46	1	1	mg/Kg
BH69811	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	82.8	0.39	30	30	mg/Kg
BH69811	PB-SM	Lead	NJ / Soil Remediation Standard / Res. Direct Contact	594	3.9	400	1	mg/Kg
BH69811	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	594	3.9	63	63	mg/Kg
BH69811	TRI-CRSM	Trivalent Chromium	NY / 375-6.8 Metals / Unrestricted Use Soil	119	0.50	30	30	mg/kg
BH69811	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	600	3.9	109	109	mg/Kg
BH69815	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.20	0.03	0.18	0.18	mg/Kg
BH69815	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	65.2	0.37	63	63	mg/Kg

Sample Criteria Exceedences Report

GBH69802 - IMPACT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH69817	$DPSVNJ_TCL	Benzo(a)pyrene	NJ / Soil Remediation Standard / Res. Direct Contact	390	150	200	200	ug/Kg
BH69817	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	145	3.5	63	63	mg/Kg
BH69817	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	116	0.35	109	109	mg/Kg
BH69819	$DPSVNJ_TCL	Benzo(a)pyrene	NJ / Soil Remediation Standard / Res. Direct Contact	280	150	200	200	ug/Kg
BH69819	$PESTSM_NY	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	9.7	2.2	3.3	3.3	ug/Kg
BH69819	$PESTSM_NY	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	3.5	2.2	3.3	3.3	ug/Kg
BH69819	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	84.7	0.40	50	50	mg/kg
BH69819	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	108	0.40	63	63	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 11, 2015

SDG I.D.: GBH69802

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

CHAIN OF CUSTODY

IMPACT ENVIRONMENTAL
170 Keyland Court, Bohemia, New York 11716
(Tel.) 631-269-8800 (Fax) 631-269-1599

Page ____ of ____

LAB NAME: Phoenix

RECEIVED DATE:

Client Information

Company Name: Impact Environmental
Address: 170 Keyland Court
City: Bohemia
Project Contact: Xin Yuan
Phone #: 631-269-8800 **Fax #:** 631-269-1599
E-mail: xyuan@impactenvironmental.com

Project Information

Project Name: SW Marine Transfer Station
Street: 1824 Shore Parkway
City: Brooklyn **State:** NY **Zip:**
Project #: 7336
Sampler's Name: Xin Yuan
Sampler's Signature:

Analytical Information

LAB SAMPLE # (LAB USE ONLY)	Sample ID	IEC Project Code	Matrix Code	Sample Type	Sample Date	Time	Total # of bottles	NONE or OTHER*	Ice	HCL	Methanol (USEPA 5035)	Sodium Bisulfate (EPA 5035)	Impact Analytical Package A*	Impact Analytical Package B**	Impact Analytical Package C***	VOC 8260 (Analyte List for NY Part 375 and NJ NRDCC)	GP82 Analysis	VOCs 8260 (CP51 Analite List)						(LAB USE ONLY)
1	WC20 1-2		S	G	2/3	8:00	3											X						69802
2	WC20 comp			C		8:00	3								X									69803
3	DUP WC20 1-2					8:20												X						69804
4	DUP WC20 comp					8:20									X									69805
5	WC27 1-2					8:40												X						69806
6	WC27 comp					8:40									X									69807
7	WC29 2-3					9:00												X						69808
8	WC29 comp					9:00									X									69809
9	DUP WC29 2-3					9:10												X						69810
10	DUP WC29 comp					9:10									X									69811

Matrix Codes
L - Liquid
S - Soil
A - Air
OL - Oil
W - Wipe
PC - Paint Chips
SL - Sludge
SD - Solid
DW- Drinking Water
DISS - Dissolved

Sample Type
G=Grab
C=Composite
B=Blank

Turnaround Time (Business Days)

Standard Service
- [ ] Standard - 5 day
- [ ] Standard - 4 day
- [x] Standard - 3 day

Rush Service
- [ ] 48 Hour *RUSH*
- [ ] 24 Hour *RUSH*

(LAB USE ONLY)
TAT Approved By / Date:

Data Deliverable Information
- [ ] Results Only (Level-1)
- [ ] Results plus Misc. QC (Level-2)
- [ ] Results plus ALL QC (Level-3)
- [ ] PA QC Package
- [ ] NJ QC Package (LevelBNJ)
- [ ] CLP Category A (Level-2)
- [ ] CLP Category B (Level-4)
- [ ] ASP QC Package (Level-4)
- [ ] Other ____
- [x] EDD Format pdf + excel

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)

REFERENCES
*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSRS & NY Part 375 parameters and dectection limits. **Package B (proprietary)-Same as Package A, plus TCLP Metals & TPH. ***Package C (proprietary)-Same as Package B plus RCRA characteristics and Full TCLP

NOTES/COMMENTS:

Sample custody must be documented below each time samples change possession, with a signature, date, and time.

Relinquished by Sampler:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	1 2/3 2:00	1	2	2 2-3-15	2
Relinquished By: 3	Date / Time: 3	Received By: 3	Relinquished By: 4	Date / Time: 4 2/2/15	Received By: 4 1830
Relinquished by: 5	Date / Time: 5	Received By: 5			

COOLER INFORMATION
Cooler Temp: ____ pH: ____ [ ] On Ice [ ] Sample Receipt Discrepancy(attach information)

Form SS-2/Nov. 2013

CHAIN OF CUSTODY

IMPACT ENVIRONMENTAL
170 Keyland Court, Bohemia, New York 11716
(Tel.) 631-269-8800 (Fax) 631-269-1599

Page ____ of ____

LAB NAME: Phoenix

RECEIVED DATE:

4° all DP

Client Information

Company Name: Impact Environmental
Address: 170 Keyland Court
City: Bohemia
Project Contact: Xin Yuan
Phone #: 631-269-8800 **Fax #:** 631-269-1599
E-mail: xyuan@impactenvironmental.com

Project Information

Project Name: SW Marine Transfer Station
Street: 1824 Shore Parkway
City: Brooklyn **State:** NY **Zip:**
Project #: 7336
Sampler's Name: Xin Yuan
Sampler's Signature:

Analytical Information / **Sample Containers** (Number of Each Preserved Bottle)

LAB SAMPLE # (LAB USE ONLY)	Sample ID	IEC Project Code	Matrix Code	Sample Type	Sample Date	Time	Total # of bottles	NONE or OTHER*	ICE	HCL	Methanol (USEPA 5035)	Sodium Bisulfate (EPA 5035	Impact Analytical Package A*	Impact Analytical Package B**	Impact Analytical Package C***	VOC 8260 (Analyte List for NY Part 375 and NJ NRDCC)	GP82 Analysis	VOCs 8260 (CP51 Analite List)						(LAB USE ONLY)
1	WC18 1-2		S	G	2/3	12:45	3											X						698/2
2	WC18 comp			C		12:45									X									698/3
3	WC17 1-2					13:10												X						698/4
4	WC17 comp					13:10									X									698/5
5	WC16 1-2					13:35												X						698/6
6	WC16 comp					13:35									X									698/7
7	WC15 2-3					13:55												X						698/8
8	WC15 Comp					13:55									X									698/9
9	WC14 2-3					14:35												X						698/10
10	WC14 comp					14:10									X									698/11

Matrix Codes: L - Liquid; S - Soil; A - Air; OL - Oil; W - Wipe; PC - Paint Chips; SL - Sludge; SD - Solid; DW- Drinking Water; DISS - Dissolved

Sample Type: G=Grab; C=Composite; B=Blank

Turnaround Time (Business Days)

Standard Service
- [ ] Standard - 5 day
- [ ] Standard - 4 day
- [x] Standard - 3 day

Rush Service
- [ ] 48 Hour *RUSH*
- [ ] 24 Hour *RUSH*

(LAB USE ONLY)
TAT Approved By / Date:

Data Deliverable Information
- [ ] Results Only (Level-1)
- [ ] Results plus Misc. QC (Level-2)
- [ ] Results plus ALL QC (Level-3)
- [ ] PA QC Package
- [ ] NJ QC Package (Level3NJ)
- [ ] CLP Category A (Level-2)
- [ ] CLP Category B (Level-4)
- [ ] ASP QC Package (Level-4)
- [ ] Other ____
- [x] EDD Format pdf + excel

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)

REFERENCES

*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSRS & NY Part 375 parameters and dectection limits. **Package B (proprietary)-Same as Package A, plus TCLP Metals & TPH. ***Package C (proprietary)-Same as Package B plus RCRA characteristics and Full TCLP

NOTES/COMMENTS:

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

Relinquished by Sampler:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	1 2/3 2:00	1	2	2-3-15	2
Relinquished By: 3	Date / Time: 3	Received By: 3	Relinquished By: 4	Date / Time: 4 2/3/15 18:30	Received By:
Relinquished by: 5	Date / Time: 5	Received By: 5			

COOLER INFORMATION
Cooler Temp:____ pH:____ [ ] On Ice [ ] Sample Receipt Discrepancy(attach information)

Form SS-2/Nov. 2013

GBH 69802

Shannon - Phoenixlabs

From: Michael - Phoenixlabs [michael@phoenixlabs.com]
Sent: Tuesday, February 03, 2015 03:22 PM
To: Shannon - Phoenixlabs
Subject: Re: IMPACT

Yes. Full list. Thanks for checking.

Regards,
Michael Lapman
Account Manager
Phoenix Environmental Laboratories, Inc.
www.phoenixlabs.com

Sent from my iPhone

On Feb 3, 2015, at 3:10 PM, Shannon - Phoenixlabs <shannon@phoenixlabs.com> wrote:

> Hi Michael,
> We are getting samples in again from SW Marine Transfer Station and they are asking for Voc's 8260(CP51) I just want to confirm this is not correct and I am doing the normal full list in the Package C?
>
> Shannon Wilhelm
> Phoenix Environmental Labs

PHOENIX
Environmental Laboratories, Inc.

Wednesday, February 11, 2015

Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Project ID: SW MARINE TRANSFER STATION
Sample ID#s: BH69794 - BH69801

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

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

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

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

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

Sincerely yours,

Phyllis Shiller
Laboratory Director

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

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

SDG Comments

February 11, 2015

SDG I.D.: GBH69794

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

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 11, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/03/15	9:30
Location Code:	IMPACT	Received by:	SW	02/03/15	18:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	7336				

Laboratory Data

SDG ID: GBH69794
Phoenix ID: BH69794

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 32 2-3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/03/15	I	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	260	53	ug/Kg	02/04/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	260	53	ug/Kg	02/04/15	JLI	SW8260
1,3-Dichlorobenzene	ND	260	53	ug/Kg	02/04/15	JLI	SW8260
Naphthalene	ND	260	71	ug/Kg	02/04/15	JLI	SW8260
n-Butylbenzene	ND	260	53	ug/Kg	02/04/15	JLI	SW8260
n-Propylbenzene	ND	260	53	ug/Kg	02/04/15	JLI	SW8260
p-Isopropyltoluene	ND	260	53	ug/Kg	02/04/15	JLI	SW8260
sec-Butylbenzene	ND	260	53	ug/Kg	02/04/15	JLI	SW8260
tert-Butylbenzene	ND	260	53	ug/Kg	02/04/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	98			%	02/04/15	JLI	SW8260
% Bromofluorobenzene	67			%	02/05/15	JLI	SW8260
% Dibromofluoromethane	114			%	02/05/15	JLI	SW8260
% Toluene-d8	81			%	02/05/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	91	91	ug/kg	02/05/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	4.6	0.91	ug/Kg	02/05/15	JLI	SW8260
1,1,1-Trichloroethane	ND	4.6	0.91	ug/Kg	02/05/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	4.6	0.65	ug/Kg	02/05/15	JLI	SW8260
1,1,2-Trichloroethane	ND	4.6	0.45	ug/Kg	02/05/15	JLI	SW8260
1,1-Dichloroethane	ND	4.6	0.90	ug/Kg	02/05/15	JLI	SW8260
1,1-Dichloroethene	ND	4.6	0.99	ug/Kg	02/05/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 32 2-3

Phoenix I.D.: BH69794

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		260	35	ug/Kg	02/04/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		260	31	ug/Kg	02/04/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		80	71	ug/Kg	02/04/15	JLI	SW8260
1,2-Dibromoethane	ND		4.6	1.2	ug/Kg	02/05/15	JLI	SW8260
1,2-Dichlorobenzene	ND		260	29	ug/Kg	02/04/15	JLI	SW8260
1,2-Dichloroethane	ND		4.6	0.40	ug/Kg	02/05/15	JLI	SW8260
1,2-Dichloropropane	ND		4.6	0.65	ug/Kg	02/05/15	JLI	SW8260
1,3-Dichlorobenzene	ND		260	39	ug/Kg	02/04/15	JLI	SW8260
1,4-Dichlorobenzene	ND		260	42	ug/Kg	02/04/15	JLI	SW8260
2-Hexanone	ND		23	2.0	ug/Kg	02/05/15	JLI	SW8260
4-Methyl-2-pentanone	ND		23	1.1	ug/Kg	02/05/15	JLI	SW8260
Acetone	ND		46	4.5	ug/Kg	02/05/15	JLI	SW8260
Acrolein	ND		23	3.6	ug/Kg	02/05/15	JLI	SW8260
Acrylonitrile	ND		9.1	2.6	ug/Kg	02/05/15	JLI	SW8260
Benzene	ND		4.6	0.90	ug/Kg	02/05/15	JLI	SW8260
Bromochloromethane	ND		4.6	0.66	ug/Kg	02/05/15	JLI	SW8260
Bromodichloromethane	ND		4.6	0.56	ug/Kg	02/05/15	JLI	SW8260
Bromoform	ND		4.6	0.64	ug/Kg	02/05/15	JLI	SW8260
Bromomethane	ND		4.6	3.5	ug/Kg	02/05/15	JLI	SW8260
Carbon Disulfide	ND		4.6	0.74	ug/Kg	02/05/15	JLI	SW8260
Carbon tetrachloride	ND		4.6	0.53	ug/Kg	02/05/15	JLI	SW8260
Chlorobenzene	ND		4.6	0.67	ug/Kg	02/05/15	JLI	SW8260
Chloroethane	ND		4.6	1.1	ug/Kg	02/05/15	JLI	SW8260
Chloroform	ND		4.6	0.83	ug/Kg	02/05/15	JLI	SW8260
Chloromethane	ND		4.6	2.4	ug/Kg	02/05/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		4.6	0.99	ug/Kg	02/05/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		4.6	0.49	ug/Kg	02/05/15	JLI	SW8260
Cyclohexane	ND		4.6	4.6	ug/Kg	02/05/15	JLI	SW8260
Dibromochloromethane	ND		4.6	0.51	ug/Kg	02/05/15	JLI	SW8260
Dichlorodifluoromethane	ND		4.6	1.2	ug/Kg	02/05/15	JLI	SW8260
Ethylbenzene	ND		4.6	0.83	ug/Kg	02/05/15	JLI	SW8260
Isopropylbenzene	ND		260	51	ug/Kg	02/04/15	JLI	SW8260
m&p-Xylene	ND		4.6	1.8	ug/Kg	02/05/15	JLI	SW8260
Methyl ethyl ketone	ND		27	3.9	ug/Kg	02/05/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		9.1	1.3	ug/Kg	02/05/15	JLI	SW8260
Methylacetate	ND		4.6	4.6	ug/Kg	02/05/15	JLI	SW8260
Methylcyclohexane	ND		4.6	4.6	ug/Kg	02/05/15	JLI	SW8260
Methylene chloride	1.7	JS	4.6	0.75	ug/Kg	02/05/15	JLI	SW8260
o-Xylene	ND		4.6	1.7	ug/Kg	02/05/15	JLI	SW8260
Styrene	ND		4.6	1.3	ug/Kg	02/05/15	JLI	SW8260
tert-butyl alcohol	ND		91	91	ug/Kg	02/05/15	JLI	SW8260
Tetrachloroethene	ND		4.6	0.96	ug/Kg	02/05/15	JLI	SW8260
Toluene	ND		4.6	0.72	ug/Kg	02/05/15	JLI	SW8260
Total Xylenes	ND		4.6	4.6	ug/Kg	02/05/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		4.6	0.91	ug/Kg	02/05/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		4.6	0.93	ug/Kg	02/05/15	JLI	SW8260
Trichloroethene	ND		4.6	0.96	ug/Kg	02/05/15	JLI	SW8260
Trichlorofluoromethane	ND		4.6	1.0	ug/Kg	02/05/15	JLI	SW8260
Trichlorotrifluoroethane	ND		4.6	0.71	ug/Kg	02/05/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 32 2-3

Phoenix I.D.: BH69794

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	4.6	1.5	ug/Kg	02/05/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	02/04/15	JLI	70 - 130 %	
% Bromofluorobenzene	95			%	02/04/15	JLI	70 - 130 %	
% Dibromofluoromethane	114			%	02/05/15	JLI	70 - 130 %	
% Toluene-d8	81			%	02/05/15	JLI	70 - 130 %	
Vinyl Acetate	ND	46	46	ug/Kg	02/05/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

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

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

Phyllis Shiller, Laboratory Director
February 11, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 11, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/03/15	9:30
Location Code:	IMPACT	Received by:	SW	02/03/15	18:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	7336				

Laboratory Data

SDG ID: GBH69794
Phoenix ID: BH69795

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 32 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.40	0.40	0.40	mg/Kg	02/04/15	LK	SW6010
Aluminum	1360	60	8.0	mg/Kg	02/04/15	LK	SW6010
Arsenic	1.4	0.8	0.80	mg/Kg	02/04/15	LK	SW6010
Barium	10.3	4.0	4.0	mg/Kg	02/04/15	LK	SW6010
Beryllium	< 0.32	0.32	0.16	mg/Kg	02/04/15	LK	SW6010
Calcium	741	6.0	3.7	mg/Kg	02/04/15	LK	SW6010
Cadmium	< 0.40	0.40	0.16	mg/Kg	02/04/15	LK	SW6010
Cobalt	1.55	0.40	0.40	mg/Kg	02/04/15	LK	SW6010
Chromium	4.43	0.40	0.40	mg/Kg	02/04/15	LK	SW6010
Copper	3.18	0.40	0.40	mg/kg	02/04/15	LK	SW6010
Iron	2980	6.0	4.0	mg/Kg	02/04/15	LK	SW6010
Mercury	0.08	0.03	0.02	mg/Kg	02/04/15	RS	SW-7471
Potassium	295	6.0	3.1	mg/Kg	02/04/15	LK	SW6010
Magnesium	744	6.0	4.0	mg/Kg	02/04/15	LK	SW6010
Manganese	34.3	0.40	0.40	mg/Kg	02/04/15	LK	SW6010
Sodium	113	6.0	3.5	mg/Kg	02/04/15	LK	SW6010
Nickel	4.95	0.40	0.40	mg/Kg	02/04/15	LK	SW6010
Lead	12.3	0.40	0.40	mg/Kg	02/04/15	LK	SW6010
Antimony	< 4.0	4.0	2.0	mg/Kg	02/04/15	LK	SW6010
Selenium	< 1.6	1.6	1.4	mg/Kg	02/04/15	LK	SW6010
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/05/15	LK	SW6010
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/05/15	LK	SW6010
TCLP Barium	0.16	0.10	0.010	mg/L	02/05/15	LK	SW6010
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/05/15	LK	SW6010
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/05/15	LK	SW6010
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/05/15	RS	SW7470
TCLP Lead	< 0.10	0.10	0.010	mg/L	02/05/15	LK	SW6010
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/05/15	LK	SW6010

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 32 COMP

Phoenix I.D.: BH69795

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.6	3.6	1.6	mg/Kg	02/04/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/05/15	I/I	SW3005	
Trivalent Chromium	4.43	0.50		mg/kg	02/05/15	CL	Calculation	
Vanadium	5.18	0.40	0.40	mg/Kg	02/04/15	LK	SW6010	
Zinc	23.4	4.0	4.0	mg/Kg	02/04/15	LK	SW6010	
Percent Solid	84			%	02/03/15	I	SW846	
Corrosivity	Negative			Pos/Neg	02/03/15	O/EG	SW846	1
Flash Point	>200	200		degree F	02/04/15	Y	SW1010	
Chromium, Hexavalent	< 0.46	0.46	0.46	mg/Kg	02/05/15 13:03	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/04/15	Y	SW846	1
pH - Soil	9.07	0.10		pH Units	02/03/15 21:30	O/EG	4500-H B/9045	1
Reactivity Cyanide	< 6.0	6.0	0.030	mg/Kg	02/03/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/04/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/04/15	EG	SW 846-7.3	1
Redox Potential	193	1.0		mV	02/03/15	O/EG	SM2580B	1
Total Cyanide	< 0.54	0.54	0.27	mg/Kg	02/03/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				02/03/15	JC/H	SW3545	
Soil Extraction for Pesticide	Completed				02/03/15	JC	SW3545	
Soil Extraction for SVOA	Completed				02/03/15	JJ/VH	SW3545	
Mercury Digestion	Completed				02/04/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/03/15	P/D	SW8151	
TCLP Digestion Mercury	Completed				02/05/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/04/15	F/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				02/03/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				02/03/15	I	1311	
TCLP Pesticides Extraction	Completed				02/04/15	L	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/04/15	L	SW3510	
TCLP Extraction Volatiles	Completed				02/03/15	Y	EPA 1311	
Total Metals Digest	Completed				02/03/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				02/03/15	BC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	49	49	ug/Kg	02/04/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	49	49	ug/Kg	02/04/15	BB	SW8151	
2,4-D	ND	49	49	ug/Kg	02/04/15	BB	SW8151	
2,4-DB	ND	490	490	ug/Kg	02/04/15	BB	SW8151	
Dalapon	ND	49	49	ug/Kg	02/04/15	BB	SW8151	
Dicamba	ND	98	98	ug/Kg	02/04/15	BB	SW8151	
Dichloroprop	ND	49	49	ug/Kg	02/04/15	BB	SW8151	
Dinoseb	ND	98	98	ug/Kg	02/04/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	64			%	02/04/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	79	79	ug/Kg	02/04/15	AW	SW 8082	
PCB-1221	ND	79	79	ug/Kg	02/04/15	AW	SW 8082	
PCB-1232	ND	79	79	ug/Kg	02/04/15	AW	SW 8082	
PCB-1242	ND	79	79	ug/Kg	02/04/15	AW	SW 8082	
PCB-1248	ND	79	79	ug/Kg	02/04/15	AW	SW 8082	
PCB-1254	ND	79	79	ug/Kg	02/04/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 32 COMP

Phoenix I.D.: BH69795

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	79	79	ug/Kg	02/04/15	AW	SW 8082
PCB-1262	ND	79	79	ug/Kg	02/04/15	AW	SW 8082
PCB-1268	ND	79	79	ug/Kg	02/04/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	91			%	02/04/15	AW	30 - 150 %
% TCMX	85			%	02/04/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.4	2.4	ug/Kg	02/04/15	CE	SW8081
4,4' -DDE	ND	2.4	2.4	ug/Kg	02/04/15	CE	SW8081
4,4' -DDT	ND	2.4	2.4	ug/Kg	02/04/15	CE	SW8081
a-BHC	ND	7.9	7.9	ug/Kg	02/04/15	CE	SW8081
a-Chlordane	ND	3.9	3.9	ug/Kg	02/04/15	CE	SW8081
Aldrin	ND	3.9	3.9	ug/Kg	02/04/15	CE	SW8081
b-BHC	ND	7.9	7.9	ug/Kg	02/04/15	CE	SW8081
Chlordane	ND	39	39	ug/Kg	02/04/15	CE	SW8081
d-BHC	ND	7.9	7.9	ug/Kg	02/04/15	CE	SW8081
Dieldrin	ND	3.9	3.9	ug/Kg	02/04/15	CE	SW8081
Endosulfan I	ND	7.9	7.9	ug/Kg	02/04/15	CE	SW8081
Endosulfan II	ND	7.9	7.9	ug/Kg	02/04/15	CE	SW8081
Endosulfan sulfate	ND	7.9	7.9	ug/Kg	02/04/15	CE	SW8081
Endrin	ND	7.9	7.9	ug/Kg	02/04/15	CE	SW8081
Endrin aldehyde	ND	7.9	7.9	ug/Kg	02/04/15	CE	SW8081
Endrin ketone	ND	7.9	7.9	ug/Kg	02/04/15	CE	SW8081
g-BHC	ND	1.6	1.6	ug/Kg	02/04/15	CE	SW8081
g-Chlordane	ND	3.9	3.9	ug/Kg	02/04/15	CE	SW8081
Heptachlor	ND	7.9	7.9	ug/Kg	02/04/15	CE	SW8081
Heptachlor epoxide	ND	7.9	7.9	ug/Kg	02/04/15	CE	SW8081
Methoxychlor	ND	39	39	ug/Kg	02/04/15	CE	SW8081
Toxaphene	ND	160	160	ug/Kg	02/04/15	CE	SW8081
QA/QC Surrogates							
% DCBP	80			%	02/04/15	CE	30 - 150 %
% TCMX	83			%	02/04/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/05/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/05/15	BB	SW8151
QA/QC Surrogates							
% DCAA	70			%	02/05/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/05/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/05/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/05/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/05/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/05/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/05/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/05/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/05/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/05/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/05/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/05/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/05/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/05/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/05/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/05/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/05/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/05/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/05/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/05/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/05/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	80			%	02/05/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	86			%	02/05/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	58	58	mg/Kg	02/04/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	85			%	02/04/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/05/15	MH	SW8260
Benzene	ND	25	25	ug/L	02/05/15	MH	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/05/15	MH	SW8260
Chlorobenzene	ND	25	25	ug/L	02/05/15	MH	SW8260
Chloroform	ND	25	25	ug/L	02/05/15	MH	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/05/15	MH	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
Trichloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
Vinyl chloride	ND	25	25	ug/L	02/05/15	MH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	96			%	02/05/15	MH	70 - 130 %
% Bromofluorobenzene	94			%	02/05/15	MH	70 - 130 %
% Dibromofluoromethane	88			%	02/05/15	MH	70 - 130 %
% Toluene-d8	98			%	02/05/15	MH	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	280	120	ug/Kg	02/04/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	280	140	ug/Kg	02/04/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	390	390	ug/Kg	02/04/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	280	180	ug/Kg	02/04/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	280	220	ug/Kg	02/04/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	160	130	ug/Kg	02/04/15	DD	SW 8270
2,4-Dichlorophenol	ND	160	140	ug/Kg	02/04/15	DD	SW 8270
2,4-Dimethylphenol	ND	280	98	ug/Kg	02/04/15	DD	SW 8270
2,4-Dinitrophenol	ND	280	280	ug/Kg	02/04/15	DD	SW 8270
2,4-Dinitrotoluene	ND	160	160	ug/Kg	02/04/15	DD	SW 8270
2,6-Dinitrotoluene	ND	160	120	ug/Kg	02/04/15	DD	SW 8270
2-Chloronaphthalene	ND	280	110	ug/Kg	02/04/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 32 COMP

Phoenix I.D.: BH69795

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND	280	110	ug/Kg	02/04/15	DD	SW 8270	
2-Methylnaphthalene	ND	280	120	ug/Kg	02/04/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	280	180	ug/Kg	02/04/15	DD	SW 8270	
2-Nitroaniline	ND	2000	400	ug/Kg	02/04/15	DD	SW 8270	
2-Nitrophenol	ND	280	250	ug/Kg	02/04/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	280	160	ug/Kg	02/04/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	160	190	ug/Kg	02/04/15	DD	SW 8270	
3-Nitroaniline	ND	2000	860	ug/Kg	02/04/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	280	420	ug/Kg	02/04/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	280	120	ug/Kg	02/04/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND	280	140	ug/Kg	02/04/15	DD	SW 8270	
4-Chloroaniline	ND	790	180	ug/Kg	02/04/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	280	130	ug/Kg	02/04/15	DD	SW 8270	
4-Nitroaniline	ND	2000	130	ug/Kg	02/04/15	DD	SW 8270	
4-Nitrophenol	ND	2000	180	ug/Kg	02/04/15	DD	SW 8270	
Acenaphthene	ND	280	120	ug/Kg	02/04/15	DD	SW 8270	
Acenaphthylene	ND	160	110	ug/Kg	02/04/15	DD	SW 8270	
Acetophenone	ND	280	120	ug/Kg	02/04/15	DD	SW 8270	
Anthracene	ND	280	130	ug/Kg	02/04/15	DD	SW 8270	
Atrazine	ND	160	180	ug/Kg	02/04/15	DD	SW 8270	
Benz(a)anthracene	ND	280	130	ug/Kg	02/04/15	DD	SW 8270	
Benzaldehyde	ND	280	120	ug/Kg	02/04/15	DD	SW 8270	
Benzidine	ND	590	590	ug/Kg	02/04/15	DD	SW 8270	
Benzo(a)pyrene	ND	160	130	ug/Kg	02/04/15	DD	SW 8270	
Benzo(b)fluoranthene	ND	280	130	ug/Kg	02/04/15	DD	SW 8270	
Benzo(ghi)perylene	ND	280	130	ug/Kg	02/04/15	DD	SW 8270	
Benzo(k)fluoranthene	ND	280	130	ug/Kg	02/04/15	DD	SW 8270	
Benzyl Alcohol	ND	390	390	ug/Kg	02/04/15	DD	SW 8270	
Benzyl butyl phthalate	ND	280	100	ug/Kg	02/04/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	280	110	ug/Kg	02/04/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	160	110	ug/Kg	02/04/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	280	110	ug/Kg	02/04/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	280	110	ug/Kg	02/04/15	DD	SW 8270	
Caprolactam	ND	280	700	ug/Kg	02/04/15	DD	SW 8270	
Carbazole	ND	2000	300	ug/Kg	02/04/15	DD	SW 8270	
Chrysene	ND	280	130	ug/Kg	02/04/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND	160	130	ug/Kg	02/04/15	DD	SW 8270	
Dibenzofuran	ND	280	110	ug/Kg	02/04/15	DD	SW 8270	
Diethyl phthalate	ND	280	120	ug/Kg	02/04/15	DD	SW 8270	
Dimethylphthalate	ND	280	120	ug/Kg	02/04/15	DD	SW 8270	
Di-n-butylphthalate	ND	280	100	ug/Kg	02/04/15	DD	SW 8270	
Di-n-octylphthalate	ND	280	100	ug/Kg	02/04/15	DD	SW 8270	
Fluoranthene	ND	280	130	ug/Kg	02/04/15	DD	SW 8270	
Fluorene	ND	280	130	ug/Kg	02/04/15	DD	SW 8270	
Hexachlorobenzene	ND	160	110	ug/Kg	02/04/15	DD	SW 8270	
Hexachlorobutadiene	ND	280	140	ug/Kg	02/04/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND	280	120	ug/Kg	02/04/15	DD	SW 8270	
Hexachloroethane	ND	160	120	ug/Kg	02/04/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	280	130	ug/Kg	02/04/15	DD	SW 8270	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND	160	110	ug/Kg	02/04/15	DD	SW 8270	
Naphthalene	ND	280	110	ug/Kg	02/04/15	DD	SW 8270	
Nitrobenzene	ND	160	140	ug/Kg	02/04/15	DD	SW 8270	
N-Nitrosodimethylamine	ND	280	110	ug/Kg	02/04/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	160	130	ug/Kg	02/04/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND	160	150	ug/Kg	02/04/15	DD	SW 8270	
Pentachlorophenol	ND	280	150	ug/Kg	02/04/15	DD	SW 8270	
Phenanthrene	ND	160	110	ug/Kg	02/04/15	DD	SW 8270	
Phenol	ND	280	130	ug/Kg	02/04/15	DD	SW 8270	
Pyrene	ND	280	140	ug/Kg	02/04/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	78			%	02/04/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	82			%	02/04/15	DD	30 - 130 %	
% 2-Fluorophenol	77			%	02/04/15	DD	30 - 130 %	
% Nitrobenzene-d5	76			%	02/04/15	DD	30 - 130 %	
% Phenol-d5	77			%	02/04/15	DD	30 - 130 %	
% Terphenyl-d14	100			%	02/04/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral								
1,4-Dichlorobenzene	ND	83	83	ug/L	02/05/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND	83	83	ug/L	02/05/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND	83	83	ug/L	02/05/15	DD	SW 8270	
2,4-Dinitrotoluene	ND	83	83	ug/L	02/05/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	83	83	ug/L	02/05/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND	83	83	ug/L	02/05/15	DD	SW 8270	
Hexachlorobenzene	ND	83	83	ug/L	02/05/15	DD	SW 8270	
Hexachlorobutadiene	ND	83	83	ug/L	02/05/15	DD	SW 8270	
Hexachloroethane	ND	83	83	ug/L	02/05/15	DD	SW 8270	
Nitrobenzene	ND	83	83	ug/L	02/05/15	DD	SW 8270	
Pentachlorophenol	ND	83	83	ug/L	02/05/15	DD	SW 8270	
Pyridine	ND	83	83	ug/L	02/05/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	81			%	02/05/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	54			%	02/05/15	DD	30 - 130 %	
% 2-Fluorophenol	46			%	02/05/15	DD	15 - 110 %	
% Nitrobenzene-d5	70			%	02/05/15	DD	30 - 130 %	
% Phenol-d5	41			%	02/05/15	DD	15 - 110 %	
% Terphenyl-d14	69			%	02/05/15	DD	30 - 130 %	
Aniline	ND	330		ug/Kg	02/04/15	DD	SW8270	
Benzoic Acid	ND	330		ug/Kg	02/04/15	DD	SW8270	1
Parathion	ND	390	160	ug/Kg	02/04/15	DD	SW8270	1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

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

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

Comments:

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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 11, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 11, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/03/15	10:30
Location Code:	IMPACT	Received by:	SW	02/03/15	18:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	7336				

Laboratory Data

SDG ID: GBH69794
Phoenix ID: BH69796

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 35 1-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/03/15	I	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	5.1	1.0	ug/Kg	02/05/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	5.1	1.0	ug/Kg	02/05/15	JLI	SW8260
1,3-Dichlorobenzene	ND	5.1	1.0	ug/Kg	02/05/15	JLI	SW8260
Naphthalene	ND	5.1	1.4	ug/Kg	02/05/15	JLI	SW8260
n-Butylbenzene	ND	5.1	1.0	ug/Kg	02/05/15	JLI	SW8260
n-Propylbenzene	ND	5.1	1.0	ug/Kg	02/05/15	JLI	SW8260
p-Isopropyltoluene	ND	5.1	1.0	ug/Kg	02/05/15	JLI	SW8260
sec-Butylbenzene	ND	5.1	1.0	ug/Kg	02/05/15	JLI	SW8260
tert-Butylbenzene	ND	5.1	1.0	ug/Kg	02/05/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	103			%	02/05/15	JLI	SW8260
% Bromofluorobenzene	86			%	02/05/15	JLI	SW8260
% Dibromofluoromethane	103			%	02/05/15	JLI	SW8260
% Toluene-d8	89			%	02/05/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	100	100	ug/kg	02/05/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.1	1.0	ug/Kg	02/05/15	JLI	SW8260
1,1,1-Trichloroethane	ND	5.1	1.0	ug/Kg	02/05/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.1	0.72	ug/Kg	02/05/15	JLI	SW8260
1,1,2-Trichloroethane	ND	5.1	0.49	ug/Kg	02/05/15	JLI	SW8260
1,1-Dichloroethane	ND	5.1	1.0	ug/Kg	02/05/15	JLI	SW8260
1,1-Dichloroethene	ND	5.1	1.1	ug/Kg	02/05/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 35 1-2

Phoenix I.D.: BH69796

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		5.1	0.68	ug/Kg	02/05/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		5.1	0.60	ug/Kg	02/05/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		5.1	1.4	ug/Kg	02/05/15	JLI	SW8260
1,2-Dibromoethane	ND		5.1	1.3	ug/Kg	02/05/15	JLI	SW8260
1,2-Dichlorobenzene	ND		5.1	0.56	ug/Kg	02/05/15	JLI	SW8260
1,2-Dichloroethane	ND		5.1	0.44	ug/Kg	02/05/15	JLI	SW8260
1,2-Dichloropropane	ND		5.1	0.72	ug/Kg	02/05/15	JLI	SW8260
1,3-Dichlorobenzene	ND		5.1	0.75	ug/Kg	02/05/15	JLI	SW8260
1,4-Dichlorobenzene	ND		5.1	0.80	ug/Kg	02/05/15	JLI	SW8260
2-Hexanone	ND		25	2.3	ug/Kg	02/05/15	JLI	SW8260
4-Methyl-2-pentanone	ND		25	1.2	ug/Kg	02/05/15	JLI	SW8260
Acetone	ND		50	5.0	ug/Kg	02/05/15	JLI	SW8260
Acrolein	ND		25	4.0	ug/Kg	02/05/15	JLI	SW8260
Acrylonitrile	ND		10	2.8	ug/Kg	02/05/15	JLI	SW8260
Benzene	ND		5.1	1.0	ug/Kg	02/05/15	JLI	SW8260
Bromochloromethane	ND		5.1	0.74	ug/Kg	02/05/15	JLI	SW8260
Bromodichloromethane	ND		5.1	0.63	ug/Kg	02/05/15	JLI	SW8260
Bromoform	ND		5.1	0.71	ug/Kg	02/05/15	JLI	SW8260
Bromomethane	ND		5.1	3.9	ug/Kg	02/05/15	JLI	SW8260
Carbon Disulfide	ND		5.1	0.82	ug/Kg	02/05/15	JLI	SW8260
Carbon tetrachloride	ND		5.1	0.59	ug/Kg	02/05/15	JLI	SW8260
Chlorobenzene	ND		5.1	0.75	ug/Kg	02/05/15	JLI	SW8260
Chloroethane	ND		5.1	1.2	ug/Kg	02/05/15	JLI	SW8260
Chloroform	ND		5.1	0.92	ug/Kg	02/05/15	JLI	SW8260
Chloromethane	ND		5.1	2.6	ug/Kg	02/05/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		5.1	1.1	ug/Kg	02/05/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		5.1	0.55	ug/Kg	02/05/15	JLI	SW8260
Cyclohexane	ND		5.1	5.1	ug/Kg	02/05/15	JLI	SW8260
Dibromochloromethane	ND		5.1	0.57	ug/Kg	02/05/15	JLI	SW8260
Dichlorodifluoromethane	ND		5.1	1.3	ug/Kg	02/05/15	JLI	SW8260
Ethylbenzene	ND		5.1	0.92	ug/Kg	02/05/15	JLI	SW8260
Isopropylbenzene	ND		5.1	0.97	ug/Kg	02/05/15	JLI	SW8260
m&p-Xylene	ND		5.1	2.0	ug/Kg	02/05/15	JLI	SW8260
Methyl ethyl ketone	ND		30	4.4	ug/Kg	02/05/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		10	1.4	ug/Kg	02/05/15	JLI	SW8260
Methylacetate	ND		5.1	5.1	ug/Kg	02/05/15	JLI	SW8260
Methylcyclohexane	ND		5.1	5.1	ug/Kg	02/05/15	JLI	SW8260
Methylene chloride	1.6	JS	5.1	0.83	ug/Kg	02/05/15	JLI	SW8260
o-Xylene	ND		5.1	1.9	ug/Kg	02/05/15	JLI	SW8260
Styrene	ND		5.1	1.5	ug/Kg	02/05/15	JLI	SW8260
tert-butyl alcohol	ND		100	100	ug/Kg	02/05/15	JLI	SW8260
Tetrachloroethene	ND		5.1	1.1	ug/Kg	02/05/15	JLI	SW8260
Toluene	ND		5.1	0.80	ug/Kg	02/05/15	JLI	SW8260
Total Xylenes	ND		5.1	5.1	ug/Kg	02/05/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		5.1	1.0	ug/Kg	02/05/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		5.1	1.0	ug/Kg	02/05/15	JLI	SW8260
Trichloroethene	ND		5.1	1.1	ug/Kg	02/05/15	JLI	SW8260
Trichlorofluoromethane	ND		5.1	1.1	ug/Kg	02/05/15	JLI	SW8260
Trichlorotrifluoroethane	ND		5.1	0.79	ug/Kg	02/05/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 35 1-2

Phoenix I.D.: BH69796

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	5.1	1.6	ug/Kg	02/05/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	103			%	02/05/15	JLI	70 - 130 %	
% Bromofluorobenzene	84			%	02/05/15	JLI	70 - 130 %	
% Dibromofluoromethane	104			%	02/05/15	JLI	70 - 130 %	
% Toluene-d8	89			%	02/05/15	JLI	70 - 130 %	
Vinyl Acetate	ND	51	51	ug/Kg	02/05/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

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 11, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 11, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/03/15	10:30
Location Code:	IMPACT	Received by:	SW	02/03/15	18:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	7336				

Laboratory Data

SDG ID: GBH69794
Phoenix ID: BH69797

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 35 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.34	0.34	0.34	mg/Kg	02/04/15	LK	SW6010
Aluminum	2850	51	6.8	mg/Kg	02/04/15	LK	SW6010
Arsenic	5.1	0.7	0.68	mg/Kg	02/04/15	LK	SW6010
Barium	44.6	3.4	3.4	mg/Kg	02/04/15	LK	SW6010
Beryllium	0.30	0.27	0.14	mg/Kg	02/04/15	LK	SW6010
Calcium	5000	5.1	3.1	mg/Kg	02/04/15	LK	SW6010
Cadmium	< 0.34	0.34	0.14	mg/Kg	02/04/15	LK	SW6010
Cobalt	4.19	0.34	0.34	mg/Kg	02/04/15	LK	SW6010
Chromium	8.64	0.34	0.34	mg/Kg	02/04/15	LK	SW6010
Copper	17.6	0.34	0.34	mg/kg	02/04/15	LK	SW6010
Iron	7930	5.1	3.4	mg/Kg	02/04/15	LK	SW6010
Mercury	0.65	0.03	0.02	mg/Kg	02/04/15	RS	SW-7471
Potassium	717	5.1	2.7	mg/Kg	02/04/15	LK	SW6010
Magnesium	2800	5.1	3.4	mg/Kg	02/04/15	LK	SW6010
Manganese	110	0.34	0.34	mg/Kg	02/04/15	LK	SW6010
Sodium	268	5.1	2.9	mg/Kg	02/04/15	LK	SW6010
Nickel	10.3	0.34	0.34	mg/Kg	02/04/15	LK	SW6010
Lead	35.2	0.34	0.34	mg/Kg	02/04/15	LK	SW6010
Antimony	< 3.4	3.4	1.7	mg/Kg	02/04/15	LK	SW6010
Selenium	< 1.4	1.4	1.2	mg/Kg	02/04/15	LK	SW6010
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/05/15	LK	SW6010
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/05/15	LK	SW6010
TCLP Barium	0.78	0.10	0.010	mg/L	02/05/15	LK	SW6010
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/05/15	LK	SW6010
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/05/15	LK	SW6010
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/05/15	RS	SW7470
TCLP Lead	0.35	0.10	0.010	mg/L	02/05/15	LK	SW6010
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/05/15	LK	SW6010

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 35 COMP

Phoenix I.D.: BH69797

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.1	3.1	1.4	mg/Kg	02/04/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/05/15	I/I	SW3005	
Trivalent Chromium	8.64	0.50		mg/kg	02/05/15	CL	Calculation	
Vanadium	11.3	0.34	0.34	mg/Kg	02/04/15	LK	SW6010	
Zinc	51.0	3.4	3.4	mg/Kg	02/04/15	LK	SW6010	
Percent Solid	86			%	02/03/15	I	SW846	
Corrosivity	Negative			Pos/Neg	02/03/15	O/EG	SW846	1
Flash Point	>200	200		degree F	02/04/15	Y	SW1010	
Chromium, Hexavalent	< 0.47	0.47	0.47	mg/Kg	02/05/15 13:03	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/04/15	Y	SW846	1
pH - Soil	9.48	0.10		pH Units	02/03/15 21:30	O/EG	4500-H B/9045	1
Reactivity Cyanide	< 5.8	5.8	0.029	mg/Kg	02/03/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/04/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/04/15	EG	SW 846-7.3	1
Redox Potential	133	1.0		mV	02/03/15	O/EG	SM2580B	1
Total Cyanide	< 0.58	0.58	0.29	mg/Kg	02/03/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				02/03/15	JC/H	SW3545	
Soil Extraction for Pesticide	Completed				02/03/15	JC	SW3545	
Soil Extraction for SVOA	Completed				02/03/15	JJ/VH	SW3545	
Mercury Digestion	Completed				02/04/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/03/15	P/D	SW8151	
TCLP Digestion Mercury	Completed				02/05/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/04/15	F/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				02/03/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				02/03/15	I	1311	
TCLP Pesticides Extraction	Completed				02/04/15	L	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/04/15	L	SW3510	
TCLP Extraction Volatiles	Completed				02/03/15	Y	EPA 1311	
Total Metals Digest	Completed				02/03/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				02/03/15	BC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	48	48	ug/Kg	02/04/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	48	48	ug/Kg	02/04/15	BB	SW8151	
2,4-D	ND	48	48	ug/Kg	02/04/15	BB	SW8151	
2,4-DB	ND	480	480	ug/Kg	02/04/15	BB	SW8151	
Dalapon	ND	48	48	ug/Kg	02/04/15	BB	SW8151	
Dicamba	ND	96	96	ug/Kg	02/04/15	BB	SW8151	
Dichloroprop	ND	48	48	ug/Kg	02/04/15	BB	SW8151	
Dinoseb	ND	96	96	ug/Kg	02/04/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	64			%	02/04/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	76	76	ug/Kg	02/04/15	AW	SW 8082	
PCB-1221	ND	76	76	ug/Kg	02/04/15	AW	SW 8082	
PCB-1232	ND	76	76	ug/Kg	02/04/15	AW	SW 8082	
PCB-1242	ND	76	76	ug/Kg	02/04/15	AW	SW 8082	
PCB-1248	ND	76	76	ug/Kg	02/04/15	AW	SW 8082	
PCB-1254	ND	76	76	ug/Kg	02/04/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 35 COMP

Phoenix I.D.: BH69797

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	76	76	ug/Kg	02/04/15	AW	SW 8082
PCB-1262	ND	76	76	ug/Kg	02/04/15	AW	SW 8082
PCB-1268	ND	76	76	ug/Kg	02/04/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	93			%	02/04/15	AW	30 - 150 %
% TCMX	85			%	02/04/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.3	2.3	ug/Kg	02/04/15	CE	SW8081
4,4' -DDE	ND	2.3	2.3	ug/Kg	02/04/15	CE	SW8081
4,4' -DDT	ND	2.3	2.3	ug/Kg	02/04/15	CE	SW8081
a-BHC	ND	7.6	7.6	ug/Kg	02/04/15	CE	SW8081
a-Chlordane	ND	3.8	3.8	ug/Kg	02/04/15	CE	SW8081
Aldrin	ND	3.8	3.8	ug/Kg	02/04/15	CE	SW8081
b-BHC	ND	7.6	7.6	ug/Kg	02/04/15	CE	SW8081
Chlordane	ND	38	38	ug/Kg	02/04/15	CE	SW8081
d-BHC	ND	7.6	7.6	ug/Kg	02/04/15	CE	SW8081
Dieldrin	ND	3.8	3.8	ug/Kg	02/04/15	CE	SW8081
Endosulfan I	ND	7.6	7.6	ug/Kg	02/04/15	CE	SW8081
Endosulfan II	ND	7.6	7.6	ug/Kg	02/04/15	CE	SW8081
Endosulfan sulfate	ND	7.6	7.6	ug/Kg	02/04/15	CE	SW8081
Endrin	ND	7.6	7.6	ug/Kg	02/04/15	CE	SW8081
Endrin aldehyde	ND	7.6	7.6	ug/Kg	02/04/15	CE	SW8081
Endrin ketone	ND	7.6	7.6	ug/Kg	02/04/15	CE	SW8081
g-BHC	ND	1.5	1.5	ug/Kg	02/04/15	CE	SW8081
g-Chlordane	ND	3.8	3.8	ug/Kg	02/04/15	CE	SW8081
Heptachlor	ND	7.6	7.6	ug/Kg	02/04/15	CE	SW8081
Heptachlor epoxide	ND	7.6	7.6	ug/Kg	02/04/15	CE	SW8081
Methoxychlor	ND	38	38	ug/Kg	02/04/15	CE	SW8081
Toxaphene	ND	150	150	ug/Kg	02/04/15	CE	SW8081
QA/QC Surrogates							
% DCBP	81			%	02/04/15	CE	30 - 150 %
% TCMX	83			%	02/04/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/05/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/05/15	BB	SW8151
QA/QC Surrogates							
% DCAA	82			%	02/05/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/05/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/05/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/05/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/05/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/05/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/05/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/05/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/05/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/05/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/05/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/05/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/05/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/05/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/05/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/05/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/05/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/05/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/05/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/05/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/05/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	96			%	02/05/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	87			%	02/05/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	57	57	mg/Kg	02/06/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	75			%	02/06/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/05/15	MH	SW8260
Benzene	ND	25	25	ug/L	02/05/15	MH	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/05/15	MH	SW8260
Chlorobenzene	ND	25	25	ug/L	02/05/15	MH	SW8260
Chloroform	ND	25	25	ug/L	02/05/15	MH	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/05/15	MH	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
Trichloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
Vinyl chloride	ND	25	25	ug/L	02/05/15	MH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	97			%	02/05/15	MH	70 - 130 %
% Bromofluorobenzene	97			%	02/05/15	MH	70 - 130 %
% Dibromofluoromethane	96			%	02/05/15	MH	70 - 130 %
% Toluene-d8	100			%	02/05/15	MH	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	260	120	ug/Kg	02/04/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	02/04/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	380	380	ug/Kg	02/04/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	260	180	ug/Kg	02/04/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	210	ug/Kg	02/04/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	02/04/15	DD	SW 8270
2,4-Dichlorophenol	ND	150	130	ug/Kg	02/04/15	DD	SW 8270
2,4-Dimethylphenol	ND	260	93	ug/Kg	02/04/15	DD	SW 8270
2,4-Dinitrophenol	ND	260	260	ug/Kg	02/04/15	DD	SW 8270
2,4-Dinitrotoluene	ND	150	150	ug/Kg	02/04/15	DD	SW 8270
2,6-Dinitrotoluene	ND	150	120	ug/Kg	02/04/15	DD	SW 8270
2-Chloronaphthalene	ND	260	110	ug/Kg	02/04/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 35 COMP

Phoenix I.D.: BH69797

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		260	110	ug/Kg	02/04/15	DD	SW 8270	
2-Methylnaphthalene	ND		260	110	ug/Kg	02/04/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		260	180	ug/Kg	02/04/15	DD	SW 8270	
2-Nitroaniline	ND		1900	380	ug/Kg	02/04/15	DD	SW 8270	
2-Nitrophenol	ND		260	240	ug/Kg	02/04/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		260	150	ug/Kg	02/04/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		150	180	ug/Kg	02/04/15	DD	SW 8270	
3-Nitroaniline	ND		1900	820	ug/Kg	02/04/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		260	400	ug/Kg	02/04/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		260	110	ug/Kg	02/04/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		260	130	ug/Kg	02/04/15	DD	SW 8270	
4-Chloroaniline	ND		750	180	ug/Kg	02/04/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		260	130	ug/Kg	02/04/15	DD	SW 8270	
4-Nitroaniline	ND		1900	130	ug/Kg	02/04/15	DD	SW 8270	
4-Nitrophenol	ND		1900	170	ug/Kg	02/04/15	DD	SW 8270	
Acenaphthene	ND		260	110	ug/Kg	02/04/15	DD	SW 8270	
Acenaphthylene	ND		150	110	ug/Kg	02/04/15	DD	SW 8270	
Acetophenone	ND		260	120	ug/Kg	02/04/15	DD	SW 8270	
Anthracene	ND		260	120	ug/Kg	02/04/15	DD	SW 8270	
Atrazine	ND		150	170	ug/Kg	02/04/15	DD	SW 8270	
Benz(a)anthracene	330		260	130	ug/Kg	02/04/15	DD	SW 8270	
Benzaldehyde	ND		260	110	ug/Kg	02/04/15	DD	SW 8270	
Benzidine	ND		560	560	ug/Kg	02/04/15	DD	SW 8270	
Benzo(a)pyrene	400		150	120	ug/Kg	02/04/15	DD	SW 8270	
Benzo(b)fluoranthene	490		260	130	ug/Kg	02/04/15	DD	SW 8270	
Benzo(ghi)perylene	400		260	120	ug/Kg	02/04/15	DD	SW 8270	
Benzo(k)fluoranthene	190	J	260	120	ug/Kg	02/04/15	DD	SW 8270	
Benzyl Alcohol	ND		380	380	ug/Kg	02/04/15	DD	SW 8270	
Benzyl butyl phthalate	ND		260	97	ug/Kg	02/04/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		260	100	ug/Kg	02/04/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		150	100	ug/Kg	02/04/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		260	100	ug/Kg	02/04/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		260	110	ug/Kg	02/04/15	DD	SW 8270	
Caprolactam	ND		260	670	ug/Kg	02/04/15	DD	SW 8270	
Carbazole	ND		1900	290	ug/Kg	02/04/15	DD	SW 8270	
Chrysene	420		260	130	ug/Kg	02/04/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		150	120	ug/Kg	02/04/15	DD	SW 8270	
Dibenzofuran	ND		260	110	ug/Kg	02/04/15	DD	SW 8270	
Diethyl phthalate	ND		260	120	ug/Kg	02/04/15	DD	SW 8270	
Dimethylphthalate	ND		260	120	ug/Kg	02/04/15	DD	SW 8270	
Di-n-butylphthalate	ND		260	100	ug/Kg	02/04/15	DD	SW 8270	
Di-n-octylphthalate	ND		260	97	ug/Kg	02/04/15	DD	SW 8270	
Fluoranthene	530		260	120	ug/Kg	02/04/15	DD	SW 8270	
Fluorene	ND		260	120	ug/Kg	02/04/15	DD	SW 8270	
Hexachlorobenzene	ND		150	110	ug/Kg	02/04/15	DD	SW 8270	
Hexachlorobutadiene	ND		260	140	ug/Kg	02/04/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		260	120	ug/Kg	02/04/15	DD	SW 8270	
Hexachloroethane	ND		150	110	ug/Kg	02/04/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	330		260	120	ug/Kg	02/04/15	DD	SW 8270	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND	150	110	ug/Kg	02/04/15	DD	SW 8270	
Naphthalene	ND	260	110	ug/Kg	02/04/15	DD	SW 8270	
Nitrobenzene	ND	150	130	ug/Kg	02/04/15	DD	SW 8270	
N-Nitrosodimethylamine	ND	260	110	ug/Kg	02/04/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	150	120	ug/Kg	02/04/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND	150	140	ug/Kg	02/04/15	DD	SW 8270	
Pentachlorophenol	ND	260	140	ug/Kg	02/04/15	DD	SW 8270	
Phenanthrene	550	150	110	ug/Kg	02/04/15	DD	SW 8270	
Phenol	ND	260	120	ug/Kg	02/04/15	DD	SW 8270	
Pyrene	440	260	130	ug/Kg	02/04/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	89			%	02/04/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	72			%	02/04/15	DD	30 - 130 %	
% 2-Fluorophenol	67			%	02/04/15	DD	30 - 130 %	
% Nitrobenzene-d5	67			%	02/04/15	DD	30 - 130 %	
% Phenol-d5	74			%	02/04/15	DD	30 - 130 %	
% Terphenyl-d14	63			%	02/04/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral								
1,4-Dichlorobenzene	ND	83	83	ug/L	02/05/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND	83	83	ug/L	02/05/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND	83	83	ug/L	02/05/15	DD	SW 8270	
2,4-Dinitrotoluene	ND	83	83	ug/L	02/05/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	83	83	ug/L	02/05/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND	83	83	ug/L	02/05/15	DD	SW 8270	
Hexachlorobenzene	ND	83	83	ug/L	02/05/15	DD	SW 8270	
Hexachlorobutadiene	ND	83	83	ug/L	02/05/15	DD	SW 8270	
Hexachloroethane	ND	83	83	ug/L	02/05/15	DD	SW 8270	
Nitrobenzene	ND	83	83	ug/L	02/05/15	DD	SW 8270	
Pentachlorophenol	ND	83	83	ug/L	02/05/15	DD	SW 8270	
Pyridine	ND	83	83	ug/L	02/05/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	77			%	02/05/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	53			%	02/05/15	DD	30 - 130 %	
% 2-Fluorophenol	45			%	02/05/15	DD	15 - 110 %	
% Nitrobenzene-d5	67			%	02/05/15	DD	30 - 130 %	
% Phenol-d5	38			%	02/05/15	DD	15 - 110 %	
% Terphenyl-d14	54			%	02/05/15	DD	30 - 130 %	
Aniline	ND	330		ug/Kg	02/05/15	DD	SW8270	
Benzoic Acid	ND	330		ug/Kg	02/05/15	DD	SW8270	1
Parathion	ND	380	150	ug/Kg	02/04/15	DD	SW8270	1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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 11, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 11, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/03/15	11:00
Location Code:	IMPACT	Received by:	SW	02/03/15	18:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	7336				

Laboratory Data

SDG ID: GBH69794
Phoenix ID: BH69798

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 40 1-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/03/15	I	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	4.2	0.83	ug/Kg	02/05/15	J/P	SW8260
1,3,5-Trimethylbenzene	ND	4.2	0.83	ug/Kg	02/05/15	J/P	SW8260
1,3-Dichlorobenzene	ND	4.2	0.83	ug/Kg	02/05/15	J/P	SW8260
Naphthalene	ND	4.2	1.1	ug/Kg	02/05/15	J/P	SW8260
n-Butylbenzene	ND	4.2	0.83	ug/Kg	02/05/15	J/P	SW8260
n-Propylbenzene	ND	4.2	0.83	ug/Kg	02/05/15	J/P	SW8260
p-Isopropyltoluene	ND	4.2	0.83	ug/Kg	02/05/15	J/P	SW8260
sec-Butylbenzene	ND	4.2	0.83	ug/Kg	02/05/15	J/P	SW8260
tert-Butylbenzene	ND	4.2	0.83	ug/Kg	02/05/15	J/P	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	131			%	02/05/15	J/P	SW8260
% Bromofluorobenzene	71			%	02/05/15	J/P	SW8260
% Dibromofluoromethane	104			%	02/05/15	J/P	SW8260
% Toluene-d8	83			%	02/05/15	J/P	SW8260
1,4-dioxane							
1,4-dioxane	ND	83	83	ug/kg	02/05/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	4.2	0.83	ug/Kg	02/05/15	JLI	SW8260
1,1,1-Trichloroethane	ND	4.2	0.83	ug/Kg	02/05/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	4.2	0.59	ug/Kg	02/05/15	JLI	SW8260
1,1,2-Trichloroethane	ND	4.2	0.41	ug/Kg	02/05/15	JLI	SW8260
1,1-Dichloroethane	ND	4.2	0.82	ug/Kg	02/05/15	JLI	SW8260
1,1-Dichloroethene	ND	4.2	0.90	ug/Kg	02/05/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 40 1-2

Phoenix I.D.: BH69798

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		640	86	ug/Kg	02/04/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		640	76	ug/Kg	02/04/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		80	170	ug/Kg	02/04/15	JLI	SW8260
1,2-Dibromoethane	ND		4.2	1.1	ug/Kg	02/05/15	JLI	SW8260
1,2-Dichlorobenzene	ND		640	71	ug/Kg	02/04/15	JLI	SW8260
1,2-Dichloroethane	ND		4.2	0.37	ug/Kg	02/05/15	JLI	SW8260
1,2-Dichloropropane	ND		4.2	0.59	ug/Kg	02/05/15	JLI	SW8260
1,3-Dichlorobenzene	ND		640	95	ug/Kg	02/04/15	JLI	SW8260
1,4-Dichlorobenzene	ND		640	100	ug/Kg	02/04/15	JLI	SW8260
2-Hexanone	ND		21	1.9	ug/Kg	02/05/15	JLI	SW8260
4-Methyl-2-pentanone	ND		21	0.99	ug/Kg	02/05/15	JLI	SW8260
Acetone	ND		42	4.1	ug/Kg	02/05/15	JLI	SW8260
Acrolein	ND		21	3.3	ug/Kg	02/05/15	JLI	SW8260
Acrylonitrile	ND		8.3	2.3	ug/Kg	02/05/15	JLI	SW8260
Benzene	0.97	J	4.2	0.82	ug/Kg	02/05/15	JLI	SW8260
Bromochloromethane	ND		4.2	0.61	ug/Kg	02/05/15	JLI	SW8260
Bromodichloromethane	ND		4.2	0.51	ug/Kg	02/05/15	JLI	SW8260
Bromoform	ND		4.2	0.58	ug/Kg	02/05/15	JLI	SW8260
Bromomethane	ND		4.2	3.2	ug/Kg	02/05/15	JLI	SW8260
Carbon Disulfide	ND		4.2	0.67	ug/Kg	02/05/15	JLI	SW8260
Carbon tetrachloride	ND		4.2	0.48	ug/Kg	02/05/15	JLI	SW8260
Chlorobenzene	ND		4.2	0.61	ug/Kg	02/05/15	JLI	SW8260
Chloroethane	ND		4.2	0.97	ug/Kg	02/05/15	JLI	SW8260
Chloroform	ND		4.2	0.76	ug/Kg	02/05/15	JLI	SW8260
Chloromethane	ND		4.2	2.2	ug/Kg	02/05/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		4.2	0.90	ug/Kg	02/05/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		4.2	0.45	ug/Kg	02/05/15	JLI	SW8260
Cyclohexane	ND		4.2	4.2	ug/Kg	02/05/15	JLI	SW8260
Dibromochloromethane	ND		4.2	0.46	ug/Kg	02/05/15	JLI	SW8260
Dichlorodifluoromethane	ND		4.2	1.1	ug/Kg	02/05/15	JLI	SW8260
Ethylbenzene	ND		4.2	0.76	ug/Kg	02/05/15	JLI	SW8260
Isopropylbenzene	ND		640	120	ug/Kg	02/04/15	JLI	SW8260
m&p-Xylene	550	J	640	250	ug/Kg	02/04/15	JLI	SW8260
Methyl ethyl ketone	ND		25	3.6	ug/Kg	02/05/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		8.3	1.1	ug/Kg	02/05/15	JLI	SW8260
Methylacetate	ND		4.2	4.2	ug/Kg	02/05/15	JLI	SW8260
Methylcyclohexane	ND		4.2	4.2	ug/Kg	02/05/15	JLI	SW8260
Methylene chloride	ND		4.2	0.68	ug/Kg	02/05/15	JLI	SW8260
o-Xylene	ND		4.2	1.6	ug/Kg	02/05/15	JLI	SW8260
Styrene	ND		4.2	1.2	ug/Kg	02/05/15	JLI	SW8260
tert-butyl alcohol	ND		83	83	ug/Kg	02/05/15	JLI	SW8260
Tetrachloroethene	ND		4.2	0.87	ug/Kg	02/05/15	JLI	SW8260
Toluene	200	J	640	100	ug/Kg	02/04/15	JLI	SW8260
Total Xylenes	550		250	640	ug/Kg	02/04/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		4.2	0.83	ug/Kg	02/05/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		4.2	0.85	ug/Kg	02/05/15	JLI	SW8260
Trichloroethene	ND		4.2	0.88	ug/Kg	02/05/15	JLI	SW8260
Trichlorofluoromethane	ND		4.2	0.92	ug/Kg	02/05/15	JLI	SW8260
Trichlorotrifluoroethane	ND		4.2	0.65	ug/Kg	02/05/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 40 1-2

Phoenix I.D.: BH69798

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	4.2	1.3	ug/Kg	02/05/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	98			%	02/04/15	JLI	70 - 130 %	
% Bromofluorobenzene	94			%	02/04/15	JLI	70 - 130 %	
% Dibromofluoromethane	104			%	02/05/15	JLI	70 - 130 %	
% Toluene-d8	83			%	02/05/15	JLI	70 - 130 %	
Vinyl Acetate	ND	42	42	ug/Kg	02/05/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
February 11, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 11, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/03/15	11:00
Location Code:	IMPACT	Received by:	SW	02/03/15	18:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	7336				

Laboratory Data

SDG ID: GBH69794
Phoenix ID: BH69799

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 40 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.38	0.38	0.38	mg/Kg	02/04/15	LK	SW6010
Aluminum	2110	58	7.7	mg/Kg	02/04/15	LK	SW6010
Arsenic	2.2	0.8	0.77	mg/Kg	02/04/15	LK	SW6010
Barium	30.2	3.8	3.8	mg/Kg	02/04/15	LK	SW6010
Beryllium	< 0.31	0.31	0.15	mg/Kg	02/04/15	LK	SW6010
Calcium	1640	5.8	3.5	mg/Kg	02/04/15	LK	SW6010
Cadmium	< 0.38	0.38	0.15	mg/Kg	02/04/15	LK	SW6010
Cobalt	1.90	0.38	0.38	mg/Kg	02/04/15	LK	SW6010
Chromium	7.20	0.38	0.38	mg/Kg	02/04/15	LK	SW6010
Copper	11.0	0.38	0.38	mg/kg	02/04/15	LK	SW6010
Iron	4820	5.8	3.8	mg/Kg	02/04/15	LK	SW6010
Mercury	0.08	0.03	0.02	mg/Kg	02/04/15	RS	SW-7471
Potassium	477	5.8	3.0	mg/Kg	02/04/15	LK	SW6010
Magnesium	1200	5.8	3.8	mg/Kg	02/04/15	LK	SW6010
Manganese	54.7	0.38	0.38	mg/Kg	02/04/15	LK	SW6010
Sodium	113	5.8	3.3	mg/Kg	02/04/15	LK	SW6010
Nickel	6.29	0.38	0.38	mg/Kg	02/04/15	LK	SW6010
Lead	72.6	0.38	0.38	mg/Kg	02/04/15	LK	SW6010
Antimony	< 3.8	3.8	1.9	mg/Kg	02/04/15	LK	SW6010
Selenium	< 1.5	1.5	1.3	mg/Kg	02/04/15	LK	SW6010
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/05/15	LK	SW6010
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/05/15	LK	SW6010
TCLP Barium	0.90	0.10	0.010	mg/L	02/05/15	LK	SW6010
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/05/15	LK	SW6010
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/05/15	LK	SW6010
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/05/15	RS	SW7470
TCLP Lead	0.39	0.10	0.010	mg/L	02/05/15	LK	SW6010
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/05/15	LK	SW6010

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 40 COMP

Phoenix I.D.: BH69799

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.5	3.5	1.5	mg/Kg	02/04/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/05/15	I/I	SW3005	
Trivalent Chromium	7.20	0.50		mg/kg	02/05/15	CL	Calculation	
Vanadium	6.69	0.38	0.38	mg/Kg	02/04/15	LK	SW6010	
Zinc	57.6	3.8	3.8	mg/Kg	02/04/15	LK	SW6010	
Percent Solid	89			%	02/03/15	I	SW846	
Corrosivity	Negative			Pos/Neg	02/03/15	O/EG	SW846	1
Flash Point	>200	200		degree F	02/04/15	Y	SW1010	
Chromium, Hexavalent	< 0.45	0.45	0.45	mg/Kg	02/05/15 13:03	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/04/15	Y	SW846	1
pH - Soil	9.01	0.10		pH Units	02/03/15 21:30	O/EG	4500-H B/9045	1
Reactivity Cyanide	< 5.6	5.6	0.028	mg/Kg	02/03/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/04/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/04/15	EG	SW 846-7.3	1
Redox Potential	185	1.0		mV	02/03/15	O/EG	SM2580B	1
Total Cyanide	< 0.56	0.56	0.28	mg/Kg	02/04/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				02/03/15	JC/H	SW3545	
Soil Extraction for Pesticide	Completed				02/03/15	JC	SW3545	
Soil Extraction for SVOA	Completed				02/03/15	JJ/VH	SW3545	
Mercury Digestion	Completed				02/04/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/03/15	P/D	SW8151	
TCLP Digestion Mercury	Completed				02/05/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/04/15	F/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				02/03/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				02/03/15	I	1311	
TCLP Pesticides Extraction	Completed				02/04/15	L	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/04/15	L	SW3510	
TCLP Extraction Volatiles	Completed				02/03/15	Y	EPA 1311	
Total Metals Digest	Completed				02/03/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				02/03/15	BC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	46	46	ug/Kg	02/04/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	46	46	ug/Kg	02/04/15	BB	SW8151	
2,4-D	ND	46	46	ug/Kg	02/04/15	BB	SW8151	
2,4-DB	ND	460	460	ug/Kg	02/04/15	BB	SW8151	
Dalapon	ND	46	46	ug/Kg	02/04/15	BB	SW8151	
Dicamba	ND	93	93	ug/Kg	02/04/15	BB	SW8151	
Dichloroprop	ND	46	46	ug/Kg	02/04/15	BB	SW8151	
Dinoseb	ND	93	93	ug/Kg	02/04/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	55			%	02/04/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	73	73	ug/Kg	02/04/15	AW	SW 8082	
PCB-1221	ND	73	73	ug/Kg	02/04/15	AW	SW 8082	
PCB-1232	ND	73	73	ug/Kg	02/04/15	AW	SW 8082	
PCB-1242	ND	73	73	ug/Kg	02/04/15	AW	SW 8082	
PCB-1248	ND	73	73	ug/Kg	02/04/15	AW	SW 8082	
PCB-1254	ND	73	73	ug/Kg	02/04/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 40 COMP

Phoenix I.D.: BH69799

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	73	73	ug/Kg	02/04/15	AW	SW 8082
PCB-1262	ND	73	73	ug/Kg	02/04/15	AW	SW 8082
PCB-1268	ND	73	73	ug/Kg	02/04/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	94			%	02/04/15	AW	30 - 150 %
% TCMX	90			%	02/04/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.2	2.2	ug/Kg	02/05/15	CE	SW8081
4,4' -DDE	ND	2.2	2.2	ug/Kg	02/05/15	CE	SW8081
4,4' -DDT	ND	2.2	2.2	ug/Kg	02/05/15	CE	SW8081
a-BHC	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
a-Chlordane	ND	3.7	3.7	ug/Kg	02/05/15	CE	SW8081
Aldrin	ND	3.7	3.7	ug/Kg	02/05/15	CE	SW8081
b-BHC	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Chlordane	ND	37	37	ug/Kg	02/05/15	CE	SW8081
d-BHC	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Dieldrin	ND	3.7	3.7	ug/Kg	02/05/15	CE	SW8081
Endosulfan I	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Endosulfan II	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Endosulfan sulfate	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Endrin	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Endrin aldehyde	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Endrin ketone	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
g-BHC	ND	1.5	1.5	ug/Kg	02/05/15	CE	SW8081
g-Chlordane	ND	3.7	3.7	ug/Kg	02/05/15	CE	SW8081
Heptachlor	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Heptachlor epoxide	ND	7.3	7.3	ug/Kg	02/05/15	CE	SW8081
Methoxychlor	ND	37	37	ug/Kg	02/05/15	CE	SW8081
Toxaphene	ND	150	150	ug/Kg	02/05/15	CE	SW8081
QA/QC Surrogates							
% DCBP	92			%	02/05/15	CE	30 - 150 %
% TCMX	91			%	02/05/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/05/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/05/15	BB	SW8151
QA/QC Surrogates							
% DCAA	70			%	02/05/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/05/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/05/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/05/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/05/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/05/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/05/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/05/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/05/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/05/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/05/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/05/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/05/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/05/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/05/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/05/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/05/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/05/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/05/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/05/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/05/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	92			%	02/05/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	84			%	02/05/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	56	56	mg/Kg	02/04/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	84			%	02/04/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/05/15	MH	SW8260
Benzene	ND	25	25	ug/L	02/05/15	MH	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/05/15	MH	SW8260
Chlorobenzene	ND	25	25	ug/L	02/05/15	MH	SW8260
Chloroform	ND	25	25	ug/L	02/05/15	MH	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/05/15	MH	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
Trichloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
Vinyl chloride	ND	25	25	ug/L	02/05/15	MH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99			%	02/05/15	MH	70 - 130 %
% Bromofluorobenzene	97			%	02/05/15	MH	70 - 130 %
% Dibromofluoromethane	97			%	02/05/15	MH	70 - 130 %
% Toluene-d8	97			%	02/05/15	MH	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	260	110	ug/Kg	02/04/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	02/04/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	370	370	ug/Kg	02/04/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	260	170	ug/Kg	02/04/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	02/04/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	02/04/15	DD	SW 8270
2,4-Dichlorophenol	ND	150	130	ug/Kg	02/04/15	DD	SW 8270
2,4-Dimethylphenol	ND	260	93	ug/Kg	02/04/15	DD	SW 8270
2,4-Dinitrophenol	ND	260	260	ug/Kg	02/04/15	DD	SW 8270
2,4-Dinitrotoluene	ND	150	150	ug/Kg	02/04/15	DD	SW 8270
2,6-Dinitrotoluene	ND	150	120	ug/Kg	02/04/15	DD	SW 8270
2-Chloronaphthalene	ND	260	110	ug/Kg	02/04/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 40 COMP

Phoenix I.D.: BH69799

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		260	110	ug/Kg	02/04/15	DD	SW 8270	
2-Methylnaphthalene	120	J	260	110	ug/Kg	02/04/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		260	180	ug/Kg	02/04/15	DD	SW 8270	
2-Nitroaniline	ND		1900	380	ug/Kg	02/04/15	DD	SW 8270	
2-Nitrophenol	ND		260	240	ug/Kg	02/04/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		260	150	ug/Kg	02/04/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		150	180	ug/Kg	02/04/15	DD	SW 8270	
3-Nitroaniline	ND		1900	810	ug/Kg	02/04/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		260	400	ug/Kg	02/04/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		260	110	ug/Kg	02/04/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		260	130	ug/Kg	02/04/15	DD	SW 8270	
4-Chloroaniline	ND		750	170	ug/Kg	02/04/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		260	130	ug/Kg	02/04/15	DD	SW 8270	
4-Nitroaniline	ND		1900	120	ug/Kg	02/04/15	DD	SW 8270	
4-Nitrophenol	ND		1900	170	ug/Kg	02/04/15	DD	SW 8270	
Acenaphthene	ND		260	110	ug/Kg	02/04/15	DD	SW 8270	
Acenaphthylene	ND		150	100	ug/Kg	02/04/15	DD	SW 8270	
Acetophenone	ND		260	120	ug/Kg	02/04/15	DD	SW 8270	
Anthracene	ND		260	120	ug/Kg	02/04/15	DD	SW 8270	
Atrazine	ND		150	170	ug/Kg	02/04/15	DD	SW 8270	
Benz(a)anthracene	190	J	260	130	ug/Kg	02/04/15	DD	SW 8270	
Benzaldehyde	ND		260	110	ug/Kg	02/04/15	DD	SW 8270	
Benzidine	ND		560	560	ug/Kg	02/04/15	DD	SW 8270	
Benzo(a)pyrene	200		150	120	ug/Kg	02/04/15	DD	SW 8270	
Benzo(b)fluoranthene	270		260	130	ug/Kg	02/04/15	DD	SW 8270	
Benzo(ghi)perylene	160	J	260	120	ug/Kg	02/04/15	DD	SW 8270	
Benzo(k)fluoranthene	ND		260	120	ug/Kg	02/04/15	DD	SW 8270	
Benzyl Alcohol	ND		370	370	ug/Kg	02/04/15	DD	SW 8270	
Benzyl butyl phthalate	ND		260	96	ug/Kg	02/04/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		260	100	ug/Kg	02/04/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		150	100	ug/Kg	02/04/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		260	100	ug/Kg	02/04/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		260	110	ug/Kg	02/04/15	DD	SW 8270	
Caprolactam	ND		260	670	ug/Kg	02/04/15	DD	SW 8270	
Carbazole	ND		1900	280	ug/Kg	02/04/15	DD	SW 8270	
Chrysene	230	J	260	130	ug/Kg	02/04/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		150	120	ug/Kg	02/04/15	DD	SW 8270	
Dibenzofuran	ND		260	110	ug/Kg	02/04/15	DD	SW 8270	
Diethyl phthalate	ND		260	120	ug/Kg	02/04/15	DD	SW 8270	
Dimethylphthalate	ND		260	120	ug/Kg	02/04/15	DD	SW 8270	
Di-n-butylphthalate	ND		260	99	ug/Kg	02/04/15	DD	SW 8270	
Di-n-octylphthalate	ND		260	96	ug/Kg	02/04/15	DD	SW 8270	
Fluoranthene	340		260	120	ug/Kg	02/04/15	DD	SW 8270	
Fluorene	ND		260	120	ug/Kg	02/04/15	DD	SW 8270	
Hexachlorobenzene	ND		150	110	ug/Kg	02/04/15	DD	SW 8270	
Hexachlorobutadiene	ND		260	140	ug/Kg	02/04/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		260	110	ug/Kg	02/04/15	DD	SW 8270	
Hexachloroethane	ND		150	110	ug/Kg	02/04/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	140	J	260	120	ug/Kg	02/04/15	DD	SW 8270	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 40 COMP

Phoenix I.D.: BH69799

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND	150	100	ug/Kg	02/04/15	DD	SW 8270	
Naphthalene	ND	260	110	ug/Kg	02/04/15	DD	SW 8270	
Nitrobenzene	ND	150	130	ug/Kg	02/04/15	DD	SW 8270	
N-Nitrosodimethylamine	ND	260	110	ug/Kg	02/04/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	150	120	ug/Kg	02/04/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND	150	140	ug/Kg	02/04/15	DD	SW 8270	
Pentachlorophenol	ND	260	140	ug/Kg	02/04/15	DD	SW 8270	
Phenanthrene	310	150	110	ug/Kg	02/04/15	DD	SW 8270	
Phenol	ND	260	120	ug/Kg	02/04/15	DD	SW 8270	
Pyrene	270	260	130	ug/Kg	02/04/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	88			%	02/04/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	75			%	02/04/15	DD	30 - 130 %	
% 2-Fluorophenol	73			%	02/04/15	DD	30 - 130 %	
% Nitrobenzene-d5	78			%	02/04/15	DD	30 - 130 %	
% Phenol-d5	77			%	02/04/15	DD	30 - 130 %	
% Terphenyl-d14	64			%	02/04/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral								
1,4-Dichlorobenzene	ND	83	83	ug/L	02/05/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND	83	83	ug/L	02/05/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND	83	83	ug/L	02/05/15	DD	SW 8270	
2,4-Dinitrotoluene	ND	83	83	ug/L	02/05/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	83	83	ug/L	02/05/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND	83	83	ug/L	02/05/15	DD	SW 8270	
Hexachlorobenzene	ND	83	83	ug/L	02/05/15	DD	SW 8270	
Hexachlorobutadiene	ND	83	83	ug/L	02/05/15	DD	SW 8270	
Hexachloroethane	ND	83	83	ug/L	02/05/15	DD	SW 8270	
Nitrobenzene	ND	83	83	ug/L	02/05/15	DD	SW 8270	
Pentachlorophenol	ND	83	83	ug/L	02/05/15	DD	SW 8270	
Pyridine	ND	83	83	ug/L	02/05/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	97			%	02/05/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	71			%	02/05/15	DD	30 - 130 %	
% 2-Fluorophenol	56			%	02/05/15	DD	15 - 110 %	
% Nitrobenzene-d5	88			%	02/05/15	DD	30 - 130 %	
% Phenol-d5	49			%	02/05/15	DD	15 - 110 %	
% Terphenyl-d14	81			%	02/05/15	DD	30 - 130 %	
Aniline	ND	330		ug/Kg	02/05/15	DD	SW8270	
Benzoic Acid	ND	330		ug/Kg	02/05/15	DD	SW8270	1
Parathion	ND	370	150	ug/Kg	02/04/15	DD	SW8270	1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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 11, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 11, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/03/15	12:00
Location Code:	IMPACT	Received by:	SW	02/03/15	18:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	7336				

Laboratory Data

SDG ID: GBH69794
Phoenix ID: BH69800

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 19 1-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	02/03/15	I	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	310	62	ug/Kg	02/04/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	310	62	ug/Kg	02/04/15	JLI	SW8260
1,3-Dichlorobenzene	ND	310	62	ug/Kg	02/04/15	JLI	SW8260
Naphthalene	ND	310	83	ug/Kg	02/04/15	JLI	SW8260
n-Butylbenzene	ND	310	62	ug/Kg	02/04/15	JLI	SW8260
n-Propylbenzene	ND	310	62	ug/Kg	02/04/15	JLI	SW8260
p-Isopropyltoluene	ND	310	62	ug/Kg	02/04/15	JLI	SW8260
sec-Butylbenzene	ND	310	62	ug/Kg	02/04/15	JLI	SW8260
tert-Butylbenzene	ND	310	62	ug/Kg	02/04/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	95			%	02/04/15	JLI	SW8260
% Bromofluorobenzene	70			%	02/04/15	JLI	SW8260
% Dibromofluoromethane	104			%	02/04/15	JLI	SW8260
% Toluene-d8	83			%	02/04/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	98	98	ug/kg	02/04/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	4.9	0.98	ug/Kg	02/04/15	JLI	SW8260
1,1,1-Trichloroethane	ND	4.9	0.98	ug/Kg	02/04/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	4.9	0.70	ug/Kg	02/04/15	JLI	SW8260
1,1,2-Trichloroethane	ND	4.9	0.48	ug/Kg	02/04/15	JLI	SW8260
1,1-Dichloroethane	ND	4.9	0.97	ug/Kg	02/04/15	JLI	SW8260
1,1-Dichloroethene	ND	4.9	1.1	ug/Kg	02/04/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 19 1-2

Phoenix I.D.: BH69800

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		310	41	ug/Kg	02/04/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		310	37	ug/Kg	02/04/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		80	83	ug/Kg	02/04/15	JLI	SW8260
1,2-Dibromoethane	ND		4.9	1.3	ug/Kg	02/04/15	JLI	SW8260
1,2-Dichlorobenzene	ND		310	34	ug/Kg	02/04/15	JLI	SW8260
1,2-Dichloroethane	ND		4.9	0.43	ug/Kg	02/04/15	JLI	SW8260
1,2-Dichloropropane	ND		4.9	0.70	ug/Kg	02/04/15	JLI	SW8260
1,3-Dichlorobenzene	ND		310	46	ug/Kg	02/04/15	JLI	SW8260
1,4-Dichlorobenzene	ND		310	49	ug/Kg	02/04/15	JLI	SW8260
2-Hexanone	ND		25	2.2	ug/Kg	02/04/15	JLI	SW8260
4-Methyl-2-pentanone	ND		25	1.2	ug/Kg	02/04/15	JLI	SW8260
Acetone	ND		49	4.9	ug/Kg	02/04/15	JLI	SW8260
Acrolein	ND		25	3.9	ug/Kg	02/04/15	JLI	SW8260
Acrylonitrile	ND		9.8	2.8	ug/Kg	02/04/15	JLI	SW8260
Benzene	1.3	J	4.9	0.97	ug/Kg	02/04/15	JLI	SW8260
Bromochloromethane	ND		4.9	0.72	ug/Kg	02/04/15	JLI	SW8260
Bromodichloromethane	ND		4.9	0.61	ug/Kg	02/04/15	JLI	SW8260
Bromoform	ND		4.9	0.69	ug/Kg	02/04/15	JLI	SW8260
Bromomethane	ND		4.9	3.8	ug/Kg	02/04/15	JLI	SW8260
Carbon Disulfide	ND		4.9	0.79	ug/Kg	02/04/15	JLI	SW8260
Carbon tetrachloride	ND		4.9	0.57	ug/Kg	02/04/15	JLI	SW8260
Chlorobenzene	ND		4.9	0.73	ug/Kg	02/04/15	JLI	SW8260
Chloroethane	ND		4.9	1.1	ug/Kg	02/04/15	JLI	SW8260
Chloroform	0.91	J	4.9	0.89	ug/Kg	02/04/15	JLI	SW8260
Chloromethane	ND		4.9	2.6	ug/Kg	02/04/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		4.9	1.1	ug/Kg	02/04/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		4.9	0.53	ug/Kg	02/04/15	JLI	SW8260
Cyclohexane	ND		4.9	4.9	ug/Kg	02/04/15	JLI	SW8260
Dibromochloromethane	ND		4.9	0.55	ug/Kg	02/04/15	JLI	SW8260
Dichlorodifluoromethane	ND		4.9	1.3	ug/Kg	02/04/15	JLI	SW8260
Ethylbenzene	ND		4.9	0.89	ug/Kg	02/04/15	JLI	SW8260
Isopropylbenzene	ND		310	59	ug/Kg	02/04/15	JLI	SW8260
m&p-Xylene	ND		4.9	1.9	ug/Kg	02/04/15	JLI	SW8260
Methyl ethyl ketone	ND		29	4.3	ug/Kg	02/04/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		9.8	1.4	ug/Kg	02/04/15	JLI	SW8260
Methylacetate	ND		4.9	4.9	ug/Kg	02/04/15	JLI	SW8260
Methylcyclohexane	ND		4.9	4.9	ug/Kg	02/04/15	JLI	SW8260
Methylene chloride	1.5	JS	4.9	0.80	ug/Kg	02/04/15	JLI	SW8260
o-Xylene	ND		4.9	1.9	ug/Kg	02/04/15	JLI	SW8260
Styrene	ND		4.9	1.4	ug/Kg	02/04/15	JLI	SW8260
tert-butyl alcohol	ND		98	98	ug/Kg	02/04/15	JLI	SW8260
Tetrachloroethene	ND		4.9	1.0	ug/Kg	02/04/15	JLI	SW8260
Toluene	0.84	J	4.9	0.77	ug/Kg	02/04/15	JLI	SW8260
Total Xylenes	ND		4.9	4.9	ug/Kg	02/04/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		4.9	0.98	ug/Kg	02/04/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		4.9	1.0	ug/Kg	02/04/15	JLI	SW8260
Trichloroethene	ND		4.9	1.0	ug/Kg	02/04/15	JLI	SW8260
Trichlorofluoromethane	ND		4.9	1.1	ug/Kg	02/04/15	JLI	SW8260
Trichlorotrifluoroethane	ND		4.9	0.76	ug/Kg	02/04/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 19 1-2

Phoenix I.D.: BH69800

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	4.9	1.6	ug/Kg	02/04/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	96			%	02/04/15	JLI	70 - 130 %	
% Bromofluorobenzene	95			%	02/04/15	JLI	70 - 130 %	
% Dibromofluoromethane	103			%	02/04/15	JLI	70 - 130 %	
% Toluene-d8	83			%	02/04/15	JLI	70 - 130 %	
Vinyl Acetate	ND	49	49	ug/Kg	02/04/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
February 11, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 11, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	02/03/15	12:00
Location Code:	IMPACT	Received by:	SW	02/03/15	18:30
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:	7336				

Laboratory Data

SDG ID: GBH69794
Phoenix ID: BH69801

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 19 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.36	0.36	0.36	mg/Kg	02/04/15	LK	SW6010
Aluminum	2280	54	7.3	mg/Kg	02/04/15	LK	SW6010
Arsenic	1.8	0.7	0.73	mg/Kg	02/04/15	LK	SW6010
Barium	16.6	3.6	3.6	mg/Kg	02/04/15	LK	SW6010
Beryllium	< 0.29	0.29	0.15	mg/Kg	02/04/15	LK	SW6010
Calcium	695	5.4	3.3	mg/Kg	02/04/15	LK	SW6010
Cadmium	0.46	0.36	0.15	mg/Kg	02/04/15	LK	SW6010
Cobalt	2.06	0.36	0.36	mg/Kg	02/04/15	LK	SW6010
Chromium	5.41	0.36	0.36	mg/Kg	02/04/15	LK	SW6010
Copper	4.23	0.36	0.36	mg/kg	02/04/15	LK	SW6010
Iron	4160	5.4	3.6	mg/Kg	02/04/15	LK	SW6010
Mercury	< 0.03	0.03	0.02	mg/Kg	02/04/15	RS	SW-7471
Potassium	405	5.4	2.8	mg/Kg	02/04/15	LK	SW6010
Magnesium	911	5.4	3.6	mg/Kg	02/04/15	LK	SW6010
Manganese	55.4	0.36	0.36	mg/Kg	02/04/15	LK	SW6010
Sodium	177	5.4	3.1	mg/Kg	02/04/15	LK	SW6010
Nickel	6.78	0.36	0.36	mg/Kg	02/04/15	LK	SW6010
Lead	14.9	0.36	0.36	mg/Kg	02/04/15	LK	SW6010
Antimony	< 3.6	3.6	1.8	mg/Kg	02/04/15	LK	SW6010
Selenium	< 1.5	1.5	1.2	mg/Kg	02/04/15	LK	SW6010
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/05/15	LK	SW6010
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/05/15	LK	SW6010
TCLP Barium	0.54	0.10	0.010	mg/L	02/05/15	LK	SW6010
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/05/15	LK	SW6010
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/05/15	LK	SW6010
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/05/15	RS	SW7470
TCLP Lead	< 0.10	0.10	0.010	mg/L	02/05/15	LK	SW6010
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/05/15	LK	SW6010

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 19 COMP

Phoenix I.D.: BH69801

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.3	3.3	1.5	mg/Kg	02/04/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/05/15	I/I	SW3005	
Trivalent Chromium	5.41	0.50		mg/kg	02/05/15	CL	Calculation	
Vanadium	6.56	0.36	0.36	mg/Kg	02/04/15	LK	SW6010	
Zinc	44.0	3.6	3.6	mg/Kg	02/04/15	LK	SW6010	
Percent Solid	84			%	02/03/15	I	SW846	
Corrosivity	Negative			Pos/Neg	02/03/15	O/EG	SW846	1
Flash Point	>200	200		degree F	02/04/15	Y	SW1010	
Chromium, Hexavalent	< 0.46	0.46	0.46	mg/Kg	02/05/15 13:03	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/04/15	Y	SW846	1
pH - Soil	8.72	0.10		pH Units	02/03/15 21:30	O/EG	4500-H B/9045	1
Reactivity Cyanide	< 5.9	5.9	0.029	mg/Kg	02/03/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/04/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/04/15	EG	SW 846-7.3	1
Redox Potential	166	1.0		mV	02/03/15	O/EG	SM2580B	1
Total Cyanide	< 0.60	0.60	0.30	mg/Kg	02/04/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				02/03/15	JC/H	SW3545	
Soil Extraction for Pesticide	Completed				02/03/15	JC	SW3545	
Soil Extraction for SVOA	Completed				02/03/15	JJ/VH	SW3545	
Mercury Digestion	Completed				02/04/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/03/15	P/D	SW8151	
TCLP Digestion Mercury	Completed				02/05/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/04/15	F/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				02/03/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				02/03/15	I	1311	
TCLP Pesticides Extraction	Completed				02/04/15	L	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/04/15	L	SW3510	
TCLP Extraction Volatiles	Completed				02/03/15	Y	EPA 1311	
Total Metals Digest	Completed				02/03/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				02/03/15	BC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	49	49	ug/Kg	02/05/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	49	49	ug/Kg	02/05/15	BB	SW8151	
2,4-D	ND	49	49	ug/Kg	02/05/15	BB	SW8151	
2,4-DB	ND	490	490	ug/Kg	02/05/15	BB	SW8151	
Dalapon	ND	49	49	ug/Kg	02/05/15	BB	SW8151	
Dicamba	ND	98	98	ug/Kg	02/05/15	BB	SW8151	
Dichloroprop	ND	49	49	ug/Kg	02/05/15	BB	SW8151	
Dinoseb	ND	98	98	ug/Kg	02/05/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	62			%	02/05/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	78	78	ug/Kg	02/04/15	AW	SW 8082	
PCB-1221	ND	78	78	ug/Kg	02/04/15	AW	SW 8082	
PCB-1232	ND	78	78	ug/Kg	02/04/15	AW	SW 8082	
PCB-1242	ND	78	78	ug/Kg	02/04/15	AW	SW 8082	
PCB-1248	ND	78	78	ug/Kg	02/04/15	AW	SW 8082	
PCB-1254	ND	78	78	ug/Kg	02/04/15	AW	SW 8082	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	78	78	ug/Kg	02/04/15	AW	SW 8082
PCB-1262	ND	78	78	ug/Kg	02/04/15	AW	SW 8082
PCB-1268	ND	78	78	ug/Kg	02/04/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	94			%	02/04/15	AW	30 - 150 %
% TCMX	86			%	02/04/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.3	2.3	ug/Kg	02/05/15	CE	SW8081
4,4' -DDE	ND	2.3	2.3	ug/Kg	02/05/15	CE	SW8081
4,4' -DDT	ND	2.3	2.3	ug/Kg	02/05/15	CE	SW8081
a-BHC	ND	7.8	7.8	ug/Kg	02/05/15	CE	SW8081
a-Chlordane	ND	3.9	3.9	ug/Kg	02/05/15	CE	SW8081
Aldrin	ND	3.9	3.9	ug/Kg	02/05/15	CE	SW8081
b-BHC	ND	7.8	7.8	ug/Kg	02/05/15	CE	SW8081
Chlordane	ND	39	39	ug/Kg	02/05/15	CE	SW8081
d-BHC	ND	7.8	7.8	ug/Kg	02/05/15	CE	SW8081
Dieldrin	ND	3.9	3.9	ug/Kg	02/05/15	CE	SW8081
Endosulfan I	ND	7.8	7.8	ug/Kg	02/05/15	CE	SW8081
Endosulfan II	ND	7.8	7.8	ug/Kg	02/05/15	CE	SW8081
Endosulfan sulfate	ND	7.8	7.8	ug/Kg	02/05/15	CE	SW8081
Endrin	ND	7.8	7.8	ug/Kg	02/05/15	CE	SW8081
Endrin aldehyde	ND	7.8	7.8	ug/Kg	02/05/15	CE	SW8081
Endrin ketone	ND	7.8	7.8	ug/Kg	02/05/15	CE	SW8081
g-BHC	ND	1.6	1.6	ug/Kg	02/05/15	CE	SW8081
g-Chlordane	ND	3.9	3.9	ug/Kg	02/05/15	CE	SW8081
Heptachlor	ND	7.8	7.8	ug/Kg	02/05/15	CE	SW8081
Heptachlor epoxide	ND	7.8	7.8	ug/Kg	02/05/15	CE	SW8081
Methoxychlor	ND	39	39	ug/Kg	02/05/15	CE	SW8081
Toxaphene	ND	160	160	ug/Kg	02/05/15	CE	SW8081
QA/QC Surrogates							
% DCBP	77			%	02/05/15	CE	30 - 150 %
% TCMX	86			%	02/05/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/05/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/05/15	BB	SW8151
QA/QC Surrogates							
% DCAA	64			%	02/05/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/05/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/05/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/05/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/05/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/05/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/05/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/05/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/05/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/05/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/05/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/05/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/05/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/05/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/05/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/05/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/05/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/05/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/05/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/05/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/05/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	78			%	02/05/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	80			%	02/05/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	59	59	mg/Kg	02/04/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	89			%	02/04/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/05/15	MH	SW8260
Benzene	ND	25	25	ug/L	02/05/15	MH	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/05/15	MH	SW8260
Chlorobenzene	ND	25	25	ug/L	02/05/15	MH	SW8260
Chloroform	ND	25	25	ug/L	02/05/15	MH	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/05/15	MH	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
Trichloroethene	ND	25	25	ug/L	02/05/15	MH	SW8260
Vinyl chloride	ND	25	25	ug/L	02/05/15	MH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99			%	02/05/15	MH	70 - 130 %
% Bromofluorobenzene	97			%	02/05/15	MH	70 - 130 %
% Dibromofluoromethane	99			%	02/05/15	MH	70 - 130 %
% Toluene-d8	99			%	02/05/15	MH	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	280	120	ug/Kg	02/04/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	280	140	ug/Kg	02/04/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	400	400	ug/Kg	02/04/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	280	190	ug/Kg	02/04/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	280	220	ug/Kg	02/04/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	160	130	ug/Kg	02/04/15	DD	SW 8270
2,4-Dichlorophenol	ND	160	140	ug/Kg	02/04/15	DD	SW 8270
2,4-Dimethylphenol	ND	280	98	ug/Kg	02/04/15	DD	SW 8270
2,4-Dinitrophenol	ND	280	280	ug/Kg	02/04/15	DD	SW 8270
2,4-Dinitrotoluene	ND	160	160	ug/Kg	02/04/15	DD	SW 8270
2,6-Dinitrotoluene	ND	160	120	ug/Kg	02/04/15	DD	SW 8270
2-Chloronaphthalene	ND	280	110	ug/Kg	02/04/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 19 COMP

Phoenix I.D.: BH69801

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND	280	110	ug/Kg	02/04/15	DD	SW 8270	
2-Methylnaphthalene	ND	280	120	ug/Kg	02/04/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	280	190	ug/Kg	02/04/15	DD	SW 8270	
2-Nitroaniline	ND	2000	400	ug/Kg	02/04/15	DD	SW 8270	
2-Nitrophenol	ND	280	250	ug/Kg	02/04/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	280	160	ug/Kg	02/04/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	160	190	ug/Kg	02/04/15	DD	SW 8270	
3-Nitroaniline	ND	2000	860	ug/Kg	02/04/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	280	430	ug/Kg	02/04/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	280	120	ug/Kg	02/04/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND	280	140	ug/Kg	02/04/15	DD	SW 8270	
4-Chloroaniline	ND	790	180	ug/Kg	02/04/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	280	130	ug/Kg	02/04/15	DD	SW 8270	
4-Nitroaniline	ND	2000	130	ug/Kg	02/04/15	DD	SW 8270	
4-Nitrophenol	ND	2000	180	ug/Kg	02/04/15	DD	SW 8270	
Acenaphthene	ND	280	120	ug/Kg	02/04/15	DD	SW 8270	
Acenaphthylene	ND	160	110	ug/Kg	02/04/15	DD	SW 8270	
Acetophenone	ND	280	120	ug/Kg	02/04/15	DD	SW 8270	
Anthracene	ND	280	130	ug/Kg	02/04/15	DD	SW 8270	
Atrazine	ND	160	180	ug/Kg	02/04/15	DD	SW 8270	
Benz(a)anthracene	ND	280	130	ug/Kg	02/04/15	DD	SW 8270	
Benzaldehyde	ND	280	120	ug/Kg	02/04/15	DD	SW 8270	
Benzidine	ND	590	590	ug/Kg	02/04/15	DD	SW 8270	
Benzo(a)pyrene	ND	160	130	ug/Kg	02/04/15	DD	SW 8270	
Benzo(b)fluoranthene	ND	280	140	ug/Kg	02/04/15	DD	SW 8270	
Benzo(ghi)perylene	ND	280	130	ug/Kg	02/04/15	DD	SW 8270	
Benzo(k)fluoranthene	ND	280	130	ug/Kg	02/04/15	DD	SW 8270	
Benzyl Alcohol	ND	400	400	ug/Kg	02/04/15	DD	SW 8270	
Benzyl butyl phthalate	ND	280	100	ug/Kg	02/04/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	280	110	ug/Kg	02/04/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	160	110	ug/Kg	02/04/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	280	110	ug/Kg	02/04/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	280	110	ug/Kg	02/04/15	DD	SW 8270	
Caprolactam	ND	280	710	ug/Kg	02/04/15	DD	SW 8270	
Carbazole	ND	2000	300	ug/Kg	02/04/15	DD	SW 8270	
Chrysene	ND	280	130	ug/Kg	02/04/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND	160	130	ug/Kg	02/04/15	DD	SW 8270	
Dibenzofuran	ND	280	120	ug/Kg	02/04/15	DD	SW 8270	
Diethyl phthalate	ND	280	120	ug/Kg	02/04/15	DD	SW 8270	
Dimethylphthalate	ND	280	120	ug/Kg	02/04/15	DD	SW 8270	
Di-n-butylphthalate	ND	280	110	ug/Kg	02/04/15	DD	SW 8270	
Di-n-octylphthalate	ND	280	100	ug/Kg	02/04/15	DD	SW 8270	
Fluoranthene	ND	280	130	ug/Kg	02/04/15	DD	SW 8270	
Fluorene	ND	280	130	ug/Kg	02/04/15	DD	SW 8270	
Hexachlorobenzene	ND	160	120	ug/Kg	02/04/15	DD	SW 8270	
Hexachlorobutadiene	ND	280	140	ug/Kg	02/04/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND	280	120	ug/Kg	02/04/15	DD	SW 8270	
Hexachloroethane	ND	160	120	ug/Kg	02/04/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	280	130	ug/Kg	02/04/15	DD	SW 8270	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND	160	110	ug/Kg	02/04/15	DD	SW 8270	
Naphthalene	ND	280	110	ug/Kg	02/04/15	DD	SW 8270	
Nitrobenzene	ND	160	140	ug/Kg	02/04/15	DD	SW 8270	
N-Nitrosodimethylamine	ND	280	110	ug/Kg	02/04/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	160	130	ug/Kg	02/04/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND	160	150	ug/Kg	02/04/15	DD	SW 8270	
Pentachlorophenol	ND	280	150	ug/Kg	02/04/15	DD	SW 8270	
Phenanthrene	ND	160	110	ug/Kg	02/04/15	DD	SW 8270	
Phenol	ND	280	130	ug/Kg	02/04/15	DD	SW 8270	
Pyrene	ND	280	140	ug/Kg	02/04/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	92			%	02/04/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	77			%	02/04/15	DD	30 - 130 %	
% 2-Fluorophenol	72			%	02/04/15	DD	30 - 130 %	
% Nitrobenzene-d5	77			%	02/04/15	DD	30 - 130 %	
% Phenol-d5	79			%	02/04/15	DD	30 - 130 %	
% Terphenyl-d14	67			%	02/04/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral								
1,4-Dichlorobenzene	ND	83	83	ug/L	02/05/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND	83	83	ug/L	02/05/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND	83	83	ug/L	02/05/15	DD	SW 8270	
2,4-Dinitrotoluene	ND	83	83	ug/L	02/05/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	83	83	ug/L	02/05/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND	83	83	ug/L	02/05/15	DD	SW 8270	
Hexachlorobenzene	ND	83	83	ug/L	02/05/15	DD	SW 8270	
Hexachlorobutadiene	ND	83	83	ug/L	02/05/15	DD	SW 8270	
Hexachloroethane	ND	83	83	ug/L	02/05/15	DD	SW 8270	
Nitrobenzene	ND	83	83	ug/L	02/05/15	DD	SW 8270	
Pentachlorophenol	ND	83	83	ug/L	02/05/15	DD	SW 8270	
Pyridine	ND	83	83	ug/L	02/05/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	88			%	02/05/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	64			%	02/05/15	DD	30 - 130 %	
% 2-Fluorophenol	51			%	02/05/15	DD	15 - 110 %	
% Nitrobenzene-d5	78			%	02/05/15	DD	30 - 130 %	
% Phenol-d5	44			%	02/05/15	DD	15 - 110 %	
% Terphenyl-d14	73			%	02/05/15	DD	30 - 130 %	
Aniline	ND	330		ug/Kg	02/05/15	DD	SW8270	
Benzoic Acid	ND	330		ug/Kg	02/05/15	DD	SW8270	1
Parathion	ND	400	160	ug/Kg	02/04/15	DD	SW8270	1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

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

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

Comments:

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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 11, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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QA/QC Report

February 11, 2015

QA/QC Data

SDG I.D.: GBH69794

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 298545, QC Sample No: BH69332 (BH69795, BH69797, BH69799, BH69801)													
ICP Metals - TCLP Extraction													
Arsenic	BRL	0.08	0.06	NC	112	120	6.9	110	107	2.8	75 - 125	20	
Barium	BRL	0.47	0.41	NC	99.1	106	6.7	104	102	1.9	75 - 125	20	
Cadmium	BRL	0.020	0.014	NC	106	113	6.4	110	108	1.8	75 - 125	20	
Chromium	BRL	<0.10	<0.10	NC	103	109	5.7	106	104	1.9	75 - 125	20	
Lead	BRL	0.36	0.31	NC	106	111	4.6	107	105	1.9	75 - 125	20	
Selenium	BRL	<0.10	<0.10	NC	116	123	5.9	110	108	1.8	75 - 125	20	
Silver	BRL	<0.10	<0.10	NC	107	114	6.3	105	103	1.9	75 - 125	20	
QA/QC Batch 298447, QC Sample No: BH69538 (BH69795, BH69797, BH69799, BH69801)													
ICP Metals - Soil													
Aluminum	BRL	5110	5410	5.70	95.2	102	6.9	NC	NC	NC	75 - 125	30	
Antimony	BRL	<3.3	<3.5	NC	96.6	102	5.4	95.5	93.0	2.7	75 - 125	30	
Arsenic	BRL	3.6	3.65	1.40	102	110	7.5	100	99.1	0.9	75 - 125	30	
Barium	BRL	1270	1840	36.7	105	116	10.0	NC	NC	NC	75 - 125	30	r
Beryllium	BRL	0.28	0.32	NC	99.0	104	4.9	100	99.6	0.4	75 - 125	30	
Cadmium	BRL	2.88	1.10	NC	90.4	97.7	7.8	96.5	95.9	0.6	75 - 125	30	
Calcium	BRL	30500	29500	3.30	103	107	3.8	NC	NC	NC	75 - 125	30	
Chromium	BRL	13.7	15.5	12.3	99.9	108	7.8	104	102	1.9	75 - 125	30	
Cobalt	BRL	4.91	5.05	2.80	86.2	92.5	7.1	99.6	99.3	0.3	75 - 125	30	
Copper	BRL	15.3	16.6	8.20	90.6	99.6	9.5	109	108	0.9	75 - 125	30	
Iron	BRL	11100	11000	0.90	92.0	98.0	6.3	NC	NC	NC	75 - 125	30	
Lead	BRL	922	1360	38.4	92.8	98.2	5.7	121	>130	NC	75 - 125	30	m,r
Magnesium	BRL	2270	2330	2.60	103	110	6.6	NC	NC	NC	75 - 125	30	
Manganese	BRL	218	222	1.80	104	113	8.3	97.5	117	18.2	75 - 125	30	
Nickel	BRL	11.7	11.7	0	97.2	106	8.7	98.8	98.6	0.2	75 - 125	30	
Potassium	BRL	1100	1390	23.3	95.3	104	8.7	>130	>130	NC	75 - 125	30	m
Selenium	BRL	<1.3	<1.4	NC	93.3	101	7.9	89.7	89.4	0.3	75 - 125	30	
Silver	BRL	<0.33	<0.35	NC	97.5	107	9.3	103	101	2.0	75 - 125	30	
Sodium	BRL	868	548	45.2	103	113	9.3	127	>130	NC	75 - 125	30	m,r
Thallium	BRL	<3.0	<3.2	NC	101	108	6.7	100	98.8	1.2	75 - 125	30	
Vanadium	BRL	17.0	16.3	4.20	105	115	9.1	102	101	1.0	75 - 125	30	
Zinc	BRL	4500	834	138	89.9	97.3	7.9	NC	NC	NC	75 - 125	30	r
QA/QC Batch 298503, QC Sample No: BH69766 (BH69795, BH69797, BH69799, BH69801)													
Mercury - Soil	BRL	<0.03	<0.03	NC	105	107	1.9	107	109	1.9	70 - 130	30	
Comment:													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.													
QA/QC Batch 298672, QC Sample No: BH69815 (BH69795, BH69797, BH69799, BH69801)													
Hex Chromium - Solid													
Hexavalent Cr	BRL	<0.43	<0.43	NC	99.2						70 - 130	30	
Insoluble Cr					94.0			94.8			70 - 130	30	
Soluble Cr					96.8			78.0			70 - 130	30	

QA/QC Data

SDG I.D.: GBH69794

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 298620, QC Sample No: BH70185 (BH69795, BH69797, BH69799, BH69801)												
Mercury - Water	BRL	<0.0002	<0.0002	NC	109	102	6.6	122	113	7.7	70 - 130	20
Comment:												
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.												

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

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QA/QC Report

February 11, 2015

QA/QC Data

SDG I.D.: GBH69794

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 298467, QC Sample No: BH69290 (BH69795, BH69797)												
Total Cyanide	BRL	0.66	0.80	NC	97.8			98.9			85 - 115	30
QA/QC Batch 298523, QC Sample No: BH69336 (BH69795, BH69797, BH69799, BH69801)												
Flash Point		>200	>200	NC	100						85 - 115	30
QA/QC Batch 298553, QC Sample No: BH69795 (BH69795, BH69797, BH69799, BH69801)												
pH - Soil		9.07	9.06	0.10	98.8						85 - 115	20
QA/QC Batch 298603, QC Sample No: BH69801 (BH69799, BH69801)												
Total Cyanide	BRL	<0.60	<0.60	NC	96.0			100			85 - 115	30
QA/QC Batch 298482, QC Sample No: BH69821 (BH69795, BH69797, BH69799, BH69801)												
Reactivity Cyanide	BRL	<5.3	<5.4	NC	96.0						85 - 115	30

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QA/QC Report

February 11, 2015

QA/QC Data

SDG I.D.: GBH69794

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 298411, QC Sample No: BH69278 (BH69795, BH69797, BH69799, BH69801)									
Chlorinated Herbicides									
2,4,5-TP (Silvex)	ND	85	83	2.4				40 - 140	20
2,4-D	ND	73	71	2.8				40 - 140	20
% DCAA (Surrogate Rec)	58	69	65	6.0				30 - 150	20
QA/QC Batch 298456, QC Sample No: BH69278 (BH69795, BH69797, BH69799)									
Semivolatiles									
1,4-Dichlorobenzene	ND	60	60	0.0				30 - 130	20
2,4,5-Trichlorophenol	ND	92	90	2.2				30 - 130	20
2,4,6-Trichlorophenol	ND	94	90	4.3				30 - 130	20
2,4-Dinitrotoluene	ND	93	93	0.0				30 - 130	20
2-Methylphenol (o-cresol)	ND	78	75	3.9				30 - 130	20
3&4-Methylphenol (m&p-cresol)	ND	78	73	6.6				30 - 130	20
Hexachlorobenzene	ND	86	85	1.2				30 - 130	20
Hexachlorobutadiene	ND	66	64	3.1				30 - 130	20
Hexachloroethane	ND	57	56	1.8				30 - 130	20
Nitrobenzene	ND	80	77	3.8				30 - 130	20
Pentachlorophenol	ND	89	91	2.2				30 - 130	20
Pyridine	ND	34	33	3.0				30 - 130	20
% 2,4,6-Tribromophenol	87	83	80	3.7				15 - 110	20
% 2-Fluorobiphenyl	69	70	71	1.4				30 - 130	20
% 2-Fluorophenol	55	56	56	0.0				15 - 110	20
% Nitrobenzene-d5	75	75	76	1.3				30 - 130	20
% Phenol-d5	48	48	47	2.1				15 - 110	20
% Terphenyl-d14	104	95	115	19.0				30 - 130	20

Comment:

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

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

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 298536, QC Sample No: BH69553 (BH69794 (26X) , BH69798 (25X))									
Volatiles (TCL) - Solid									
1,2,3-Trichlorobenzene	ND	100	100	0.0	102	106	3.8	70 - 130	30
1,2,4-Trichlorobenzene	ND	99	101	2.0	101	105	3.9	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	91	93	2.2	98	100	2.0	70 - 130	30
1,2-Dichlorobenzene	ND	102	106	3.8	102	104	1.9	70 - 130	30
1,3-Dichlorobenzene	ND	104	105	1.0	104	105	1.0	70 - 130	30
1,4-Dichlorobenzene	ND	103	102	1.0	102	103	1.0	70 - 130	30
Isopropylbenzene	ND	111	112	0.9	108	111	2.7	70 - 130	30
m&p-Xylene	ND	106	108	1.9	105	105	0.0	70 - 130	30
Toluene	ND	109	112	2.7	109	112	2.7	70 - 130	30
% 1,2-dichlorobenzene-d4	98	100	101	1.0	102	103	1.0	70 - 130	30
% Bromofluorobenzene	94	96	98	2.1	101	100	1.0	70 - 130	30

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits

Comment:

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

QA/QC Batch 298532, QC Sample No: BH69553 (BH69794 (26X))

Volatiles - Solid

1,2,4-Trimethylbenzene	ND	100	103	3.0	102	104	1.9	70 - 130	30
1,3,5-Trimethylbenzene	ND	107	109	1.9	104	107	2.8	70 - 130	30
1,3-Dichlorobenzene	ND	103	107	3.8	103	105	1.9	70 - 130	30
Naphthalene	ND	91	107	16.2	99	103	4.0	70 - 130	30
n-Butylbenzene	ND	102	107	4.8	107	108	0.9	70 - 130	30
n-Propylbenzene	ND	103	107	3.8	107	109	1.9	70 - 130	30
p-Isopropyltoluene	ND	108	108	0.0	108	108	0.0	70 - 130	30
sec-Butylbenzene	ND	112	114	1.8	107	108	0.9	70 - 130	30
tert-Butylbenzene	ND	113	113	0.0	108	111	2.7	70 - 130	30
% 1,2-dichlorobenzene-d4	98	100	102	2.0	101	102	1.0	70 - 130	30

Comment:

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

QA/QC Batch 298583, QC Sample No: BH69782 (BH69795, BH69797, BH69799, BH69801)

Pesticides

4,4' -DDD		71	88	21.4				40 - 140	30
4,4' -DDE		77	91	16.7				40 - 140	30
4,4' -DDT		81	99	20.0				40 - 140	30
a-BHC		78	90	14.3				40 - 140	30
a-Chlordane		78	85	8.6				40 - 140	30
Alachlor		NA	NA	NC				40 - 140	30
Aldrin		79	88	10.8				40 - 140	30
b-BHC		83	90	8.1				40 - 140	30
Chlordane		78	91	15.4				40 - 140	30
d-BHC		72	77	6.7				40 - 140	30
Dieldrin		81	88	8.3				40 - 140	30
Endosulfan I		78	84	7.4				40 - 140	30
Endosulfan II		71	82	14.4				40 - 140	30
Endosulfan sulfate		70	77	9.5				40 - 140	30
Endrin		80	95	17.1				40 - 140	30
Endrin aldehyde		80	94	16.1				40 - 140	30
g-BHC		85	96	12.2				40 - 140	30
g-Chlordane		78	91	15.4				40 - 140	30
Heptachlor		79	89	11.9				40 - 140	30
Heptachlor epoxide		78	84	7.4				40 - 140	30
Methoxychlor		81	87	7.1				40 - 140	30
Toxaphene		NA	NA	NC				40 - 140	30
% DCBP		66	83	22.8				40 - 150	30
% TCMX		65	74	12.9				40 - 150	30

Comment:

No Blank could be reported for this Batch. The QC for this batch consists of an LCS and LCS duplicate. Alpha and gamma chlordane were spiked and analyzed instead of technical chlordane. Gamma chlordane recovery is reported as chlordane in the LCS and LCS

QA/QC Batch 298586, QC Sample No: BH69801 (BH69801)

Semivolatiles

1,4-Dichlorobenzene	ND	62	63	1.6				30 - 130	20
2,4,5-Trichlorophenol	ND	95	97	2.1				30 - 130	20
2,4,6-Trichlorophenol	ND	93	93	0.0				30 - 130	20
2,4-Dinitrotoluene	ND	87	92	5.6				30 - 130	20

QA/QC Data

SDG I.D.: GBH69794

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
2-Methylphenol (o-cresol)	ND	80	82	2.5				30 - 130	20
3&4-Methylphenol (m&p-cresol)	ND	78	81	3.8				30 - 130	20
Hexachlorobenzene	ND	93	93	0.0				30 - 130	20
Hexachlorobutadiene	ND	65	65	0.0				30 - 130	20
Hexachloroethane	ND	61	61	0.0				30 - 130	20
Nitrobenzene	ND	83	86	3.6				30 - 130	20
Pentachlorophenol	ND	93	94	1.1				30 - 130	20
Pyridine	ND	32	33	3.1				30 - 130	20
% 2,4,6-Tribromophenol	94	98	101	3.0				15 - 110	20
% 2-Fluorobiphenyl	72	75	75	0.0				30 - 130	20
% 2-Fluorophenol	62	58	59	1.7				15 - 110	20
% Nitrobenzene-d5	80	79	81	2.5				30 - 130	20
% Phenol-d5	53	52	53	1.9				15 - 110	20
% Terphenyl-d14	93	93	95	2.1				30 - 130	20

Comment:

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

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

QA/QC Batch 298466, QC Sample No: BH69803 (BH69795, BH69797, BH69799, BH69801)

TPH by GC (Extractable Products) - Solid

Ext. Petroleum HC	ND	64			75	80	6.5	60 - 120	30
% n-Pentacosane	61	61			66	65	1.5	50 - 150	30

QA/QC Batch 298472, QC Sample No: BH69805 (BH69795, BH69797, BH69799, BH69801)

Chlorinated Herbicides - Solid

2,4,5-T	ND	59	60	1.7	67	60	11.0	40 - 140	30
2,4,5-TP (Silvex)	ND	65	66	1.5	72	65	10.2	40 - 140	30
2,4-D	ND	50	49	2.0	58	64	9.8	40 - 140	30
2,4-DB	ND	67	67	0.0	77	75	2.6	40 - 140	30
Dalapon	ND	57	51	11.1	42	35	18.2	40 - 140	30
Dicamba	ND	72	73	1.4	75	72	4.1	40 - 140	30
Dichloroprop	ND	61	61	0.0	66	62	6.3	40 - 140	30
Dinoseb	ND	77	82	6.3	89	83	7.0	40 - 140	30
% DCAA (Surrogate Rec)	65	62	62	0.0	66	62	6.3	30 - 150	30

QA/QC Batch 298669, QC Sample No: BH69810 (BH69800 (1X, 25X))

Volatiles (TCL) - Solid

1,1,1,2-Tetrachloroethane	ND	99	97	2.0	81	93	13.8	70 - 130	30
1,1,1-Trichloroethane	ND	104	99	4.9	88	93	5.5	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	97	90	7.5	83	92	10.3	70 - 130	30
1,1,2-Trichloroethane	ND	99	91	8.4	89	97	8.6	70 - 130	30
1,1-Dichloroethane	ND	104	98	5.9	93	98	5.2	70 - 130	30
1,1-Dichloroethene	ND	111	107	3.7	87	89	2.3	70 - 130	30
1,2,3-Trichlorobenzene	ND	95	87	8.8	91	102	11.4	70 - 130	30
1,2,4-Trichlorobenzene	ND	93	83	11.4	92	102	10.3	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	95	88	7.7	74	80	7.8	70 - 130	30
1,2-Dibromoethane	ND	98	95	3.1	91	98	7.4	70 - 130	30
1,2-Dichlorobenzene	ND	96	90	6.5	92	99	7.3	70 - 130	30
1,2-Dichloroethane	ND	101	93	8.2	89	97	8.6	70 - 130	30
1,2-Dichloropropane	ND	101	94	7.2	96	101	5.1	70 - 130	30
1,3-Dichlorobenzene	ND	97	88	9.7	93	100	7.3	70 - 130	30
1,4-Dichlorobenzene	ND	95	86	9.9	92	100	8.3	70 - 130	30
1,4-dioxane	ND	116	95	19.9	108	118	8.8	70 - 130	30

QA/QC Data

SDG I.D.: GBH69794

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
2-Hexanone	ND	61	61	0.0	54	59	8.8	70 - 130	30	l,m
4-Methyl-2-pentanone	ND	88	85	3.5	75	81	7.7	70 - 130	30	
Acetone	ND	63	63	0.0	19	19	0.0	70 - 130	30	l,m
Acrolein	ND	118	120	1.7	35	35	0.0	70 - 130	30	m
Acrylonitrile	ND	101	94	7.2	80	88	9.5	70 - 130	30	
Benzene	ND	100	95	5.1	93	101	8.2	70 - 130	30	
Bromochloromethane	ND	103	99	4.0	90	94	4.3	70 - 130	30	
Bromodichloromethane	ND	110	98	11.5	81	93	13.8	70 - 130	30	
Bromoform	ND	105	95	10.0	62	75	19.0	70 - 130	30	m
Bromomethane	ND	96	101	5.1	63	69	9.1	70 - 130	30	m
Carbon Disulfide	ND	121	114	6.0	82	86	4.8	70 - 130	30	
Carbon tetrachloride	ND	106	99	6.8	50	91	58.2	70 - 130	30	m,r
Chlorobenzene	ND	98	93	5.2	94	102	8.2	70 - 130	30	
Chloroethane	ND	115	106	8.1	23	24	4.3	70 - 130	30	m
Chloroform	ND	99	94	5.2	88	95	7.7	70 - 130	30	
Chloromethane	ND	101	95	6.1	90	94	4.3	70 - 130	30	
cis-1,2-Dichloroethene	ND	103	95	8.1	97	102	5.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	108	99	8.7	90	102	12.5	70 - 130	30	
Cyclohexane	ND	91	85	6.8	94	97	3.1	70 - 130	30	
Dibromochloromethane	ND	108	100	7.7	72	85	16.6	70 - 130	30	
Dichlorodifluoromethane	ND	114	103	10.1	91	95	4.3	70 - 130	30	
Ethylbenzene	ND	99	92	7.3	94	100	6.2	70 - 130	30	
Isopropylbenzene	ND	101	93	8.2	96	103	7.0	70 - 130	30	
m&p-Xylene	ND	95	90	5.4	94	99	5.2	70 - 130	30	
Methyl ethyl ketone	ND	61	58	5.0	52	60	14.3	70 - 130	30	l,m
Methyl t-butyl ether (MTBE)	ND	98	92	6.3	102	95	7.1	70 - 130	30	
Methylacetate	ND	97	97	0.0	79	83	4.9	70 - 130	30	
Methylcyclohexane	ND	98	89	9.6	95	103	8.1	70 - 130	30	
Methylene chloride	ND	105	97	7.9	74	80	7.8	70 - 130	30	
o-Xylene	ND	100	94	6.2	96	100	4.1	70 - 130	30	
Styrene	ND	97	92	5.3	93	99	6.3	70 - 130	30	
tert-butyl alcohol	ND	108	89	19.3	96	107	10.8	70 - 130	30	
Tetrachloroethene	ND	101	91	10.4	98	104	5.9	70 - 130	30	
Toluene	ND	103	95	8.1	97	104	7.0	70 - 130	30	
trans-1,2-Dichloroethene	ND	110	102	7.5	94	99	5.2	70 - 130	30	
trans-1,3-Dichloropropene	ND	108	101	6.7	90	99	9.5	70 - 130	30	
Trichloroethene	ND	108	101	6.7	98	104	5.9	70 - 130	30	
Trichlorofluoromethane	ND	111	101	9.4	21	22	4.7	70 - 130	30	m
Trichlorotrifluoroethane	ND	114	102	11.1	90	92	2.2	70 - 130	30	
Vinyl chloride	ND	104	100	3.9	110	112	1.8	70 - 130	30	
% 1,2-dichlorobenzene-d4	96	101	102	1.0	101	103	2.0	70 - 130	30	
% Bromofluorobenzene	96	98	100	2.0	97	97	0.0	70 - 130	30	
% Dibromofluoromethane	100	103	102	1.0	98	98	0.0	70 - 130	30	
% Toluene-d8	89	101	100	1.0	99	100	1.0	70 - 130	30	

Comment:

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

QA/QC Batch 298664, QC Sample No: BH69810 (BH69800 (1X, 25X))

Volatiles - Solid

1,2,4-Trimethylbenzene	ND	84	100	17.4	92	99	7.3	70 - 130	30	
1,3,5-Trimethylbenzene	ND	90	106	16.3	94	100	6.2	70 - 130	30	
1,3-Dichlorobenzene	ND	87	105	18.8	92	99	7.3	70 - 130	30	
Naphthalene	ND	90	111	20.9	83	95	13.5	70 - 130	30	

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
n-Butylbenzene	ND	84	100	17.4	93	101	8.2	70 - 130	30	
n-Propylbenzene	ND	85	102	18.2	96	104	8.0	70 - 130	30	
p-Isopropyltoluene	ND	88	106	18.6	94	101	7.2	70 - 130	30	
sec-Butylbenzene	ND	93	110	16.7	94	102	8.2	70 - 130	30	
tert-Butylbenzene	ND	93	111	17.6	96	103	7.0	70 - 130	30	
% 1,2-dichlorobenzene-d4	96	101	100	1.0	101	103	2.0	70 - 130	30	
% Bromofluorobenzene	98	99	99	0.0	96	97	1.0	70 - 130	30	
% Dibromofluoromethane	101	102	103	1.0	98	97	1.0	70 - 130	30	
% Toluene-d8	89	100	101	1.0	100	100	0.0	70 - 130	30	

Comment:

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

QA/QC Batch 298791, QC Sample No: BH69816 (BH69794, BH69796, BH69798)

Volatiles (TCL) - Solid

1,1,1,2-Tetrachloroethane	ND	118	112	5.2	94	95	1.1	70 - 130	30	
1,1,1-Trichloroethane	ND	113	106	6.4	96	97	1.0	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	114	111	2.7	87	87	0.0	70 - 130	30	
1,1,2-Trichloroethane	ND	114	105	8.2	91	92	1.1	70 - 130	30	
1,1-Dichloroethane	ND	110	106	3.7	93	95	2.1	70 - 130	30	
1,1-Dichloroethene	ND	124	112	10.2	89	90	1.1	70 - 130	30	
1,2,3-Trichlorobenzene	ND	114	109	4.5	99	100	1.0	70 - 130	30	
1,2,4-Trichlorobenzene	ND	112	109	2.7	101	102	1.0	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	113	105	7.3	81	83	2.4	70 - 130	30	
1,2-Dibromoethane	ND	119	109	8.8	94	95	1.1	70 - 130	30	
1,2-Dichlorobenzene	ND	111	106	4.6	98	97	1.0	70 - 130	30	
1,2-Dichloroethane	ND	114	107	6.3	95	95	0.0	70 - 130	30	
1,2-Dichloropropane	ND	110	105	4.7	96	95	1.0	70 - 130	30	
1,3-Dichlorobenzene	ND	113	107	5.5	98	96	2.1	70 - 130	30	
1,4-Dichlorobenzene	ND	111	104	6.5	98	96	2.1	70 - 130	30	
1,4-dioxane	ND	125	115	8.3	119	101	16.4	70 - 130	30	
2-Hexanone	ND	73	73	0.0	63	71	11.9	70 - 130	30	m
4-Methyl-2-pentanone	ND	104	100	3.9	76	79	3.9	70 - 130	30	
Acetone	ND	72	69	4.3	30	30	0.0	70 - 130	30	l,m
Acrolein	ND	155	148	4.6	72	75	4.1	70 - 130	30	l
Acrylonitrile	ND	111	107	3.7	80	86	7.2	70 - 130	30	
Benzene	ND	112	104	7.4	97	96	1.0	70 - 130	30	
Bromochloromethane	ND	114	112	1.8	92	93	1.1	70 - 130	30	
Bromodichloromethane	ND	123	116	5.9	93	95	2.1	70 - 130	30	
Bromoform	ND	124	119	4.1	85	86	1.2	70 - 130	30	
Bromomethane	ND	126	109	14.5	60	68	12.5	70 - 130	30	m
Carbon Disulfide	ND	133	123	7.8	88	89	1.1	70 - 130	30	l
Carbon tetrachloride	ND	120	114	5.1	90	63	35.3	70 - 130	30	m,r
Chlorobenzene	ND	111	107	3.7	99	99	0.0	70 - 130	30	
Chloroethane	ND	128	113	12.4	25	24	4.1	70 - 130	30	m
Chloroform	ND	108	103	4.7	90	93	3.3	70 - 130	30	
Chloromethane	ND	108	102	5.7	95	93	2.1	70 - 130	30	
cis-1,2-Dichloroethene	ND	112	107	4.6	98	101	3.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	125	117	6.6	99	98	1.0	70 - 130	30	
Cyclohexane	ND	97	91	6.4	95	95	0.0	70 - 130	30	
Dibromochloromethane	ND	128	119	7.3	90	94	4.3	70 - 130	30	
Dichlorodifluoromethane	ND	115	106	8.1	96	95	1.0	70 - 130	30	
Ethylbenzene	ND	111	105	5.6	98	96	2.1	70 - 130	30	
Isopropylbenzene	ND	112	105	6.5	99	98	1.0	70 - 130	30	

QA/QC Data

SDG I.D.: GBH69794

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
m&p-Xylene	ND	108	103	4.7	97	96	1.0	70 - 130	30	
Methyl ethyl ketone	ND	71	68	4.3	61	72	16.5	70 - 130	30	l,m
Methyl t-butyl ether (MTBE)	ND	115	107	7.2	113	113	0.0	70 - 130	30	
Methylacetate	ND	114	104	9.2	76	85	11.2	70 - 130	30	
Methylcyclohexane	ND	108	102	5.7	100	100	0.0	70 - 130	30	
Methylene chloride	ND	111	101	9.4	86	87	1.2	70 - 130	30	
o-Xylene	ND	113	106	6.4	99	98	1.0	70 - 130	30	
Styrene	ND	111	106	4.6	100	98	2.0	70 - 130	30	
tert-butyl alcohol	ND	120	102	16.2	101	95	6.1	70 - 130	30	
Tetrachloroethene	ND	114	110	3.6	104	104	0.0	70 - 130	30	
Toluene	ND	115	109	5.4	101	99	2.0	70 - 130	30	
trans-1,2-Dichloroethene	ND	120	112	6.9	97	99	2.0	70 - 130	30	
trans-1,3-Dichloropropene	ND	126	120	4.9	96	97	1.0	70 - 130	30	
Trichloroethene	ND	119	110	7.9	102	101	1.0	70 - 130	30	
Trichlorofluoromethane	ND	122	113	7.7	22	22	0.0	70 - 130	30	m
Trichlorotrifluoroethane	ND	120	113	6.0	92	92	0.0	70 - 130	30	
Vinyl chloride	ND	113	103	9.3	112	114	1.8	70 - 130	30	
% 1,2-dichlorobenzene-d4	99	101	103	2.0	104	104	0.0	70 - 130	30	
% Bromofluorobenzene	95	97	98	1.0	101	99	2.0	70 - 130	30	
% Dibromofluoromethane	100	103	100	3.0	97	103	6.0	70 - 130	30	
% Toluene-d8	90	102	101	1.0	101	101	0.0	70 - 130	30	

Comment:

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

QA/QC Batch 298790, QC Sample No: BH69816 (BH69794, BH69796, BH69798)

Volatiles - Solid

1,2,4-Trimethylbenzene	ND	104	98	5.9	97	95	2.1	70 - 130	30
1,3,5-Trimethylbenzene	ND	109	103	5.7	99	96	3.1	70 - 130	30
1,3-Dichlorobenzene	ND	112	106	5.5	97	95	2.1	70 - 130	30
Naphthalene	ND	111	107	3.7	86	90	4.5	70 - 130	30
n-Butylbenzene	ND	109	103	5.7	101	99	2.0	70 - 130	30
n-Propylbenzene	ND	106	99	6.8	101	96	5.1	70 - 130	30
p-Isopropyltoluene	ND	110	105	4.7	100	98	2.0	70 - 130	30
sec-Butylbenzene	ND	112	106	5.5	100	97	3.0	70 - 130	30
tert-Butylbenzene	ND	111	104	6.5	100	98	2.0	70 - 130	30
% 1,2-dichlorobenzene-d4	98	101	102	1.0	103	103	0.0	70 - 130	30
% Bromofluorobenzene	98	96	98	2.1	100	99	1.0	70 - 130	30
% Dibromofluoromethane	100	103	100	3.0	97	102	5.0	70 - 130	30
% Toluene-d8	91	102	102	0.0	101	100	1.0	70 - 130	30

Comment:

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

QA/QC Batch 298463, QC Sample No: BH69829 (BH69795, BH69797, BH69799, BH69801)

Pesticides - Solid

4,4' -DDD	ND	89	85	4.6	88	88	0.0	40 - 140	30
4,4' -DDE	ND	89	90	1.1	94	90	4.3	40 - 140	30
4,4' -DDT	ND	90	85	5.7	90	90	0.0	40 - 140	30
a-BHC	ND	97	95	2.1	97	100	3.0	40 - 140	30
a-Chlordane	ND	93	91	2.2	93	93	0.0	40 - 140	30
Aldrin	ND	99	97	2.0	99	97	2.0	40 - 140	30
b-BHC	ND	95	91	4.3	95	99	4.1	40 - 140	30
Chlordane	ND	89	86	3.4	89	88	1.1	40 - 140	30
d-BHC	ND	78	78	0.0	82	84	2.4	40 - 140	30

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Dieldrin	ND	91	90	1.1	92	92	0.0	40 - 140	30	
Endosulfan I	ND	93	93	0.0	98	98	0.0	40 - 140	30	
Endosulfan II	ND	68	77	12.4	90	90	0.0	40 - 140	30	
Endosulfan sulfate	ND	62	63	1.6	71	75	5.5	40 - 140	30	
Endrin	ND	91	89	2.2	93	94	1.1	40 - 140	30	
Endrin aldehyde	ND	59	63	6.6	76	85	11.2	40 - 140	30	
Endrin ketone	ND	72	74	2.7	75	79	5.2	40 - 140	30	
g-BHC	ND	97	95	2.1	99	101	2.0	40 - 140	30	
g-Chlordane	ND	89	86	3.4	89	88	1.1	40 - 140	30	
Heptachlor	ND	95	93	2.1	98	95	3.1	40 - 140	30	
Heptachlor epoxide	ND	92	90	2.2	92	92	0.0	40 - 140	30	
Methoxychlor	ND	85	83	2.4	92	93	1.1	40 - 140	30	
Toxaphene	ND	NA	NA	NC	NA	NA	NC	40 - 140	30	
% DCBP	88	88	89	1.1	86	83	3.6	30 - 150	30	
% TCMX	98	98	94	4.2	96	96	0.0	30 - 150	30	

QA/QC Batch 298462, QC Sample No: BH69829 (BH69795, BH69797, BH69799, BH69801)

Polychlorinated Biphenyls - Solid

PCB-1016	ND	86	92	6.7	89	87	2.3	40 - 140	30	
PCB-1221	ND							40 - 140	30	
PCB-1232	ND							40 - 140	30	
PCB-1242	ND							40 - 140	30	
PCB-1248	ND							40 - 140	30	
PCB-1254	ND							40 - 140	30	
PCB-1260	ND	90	94	4.3	92	87	5.6	40 - 140	30	
PCB-1262	ND							40 - 140	30	
PCB-1268	ND							40 - 140	30	
% DCBP (Surrogate Rec)	78	99	103	4.0	99	94	5.2	30 - 150	30	
% TCMX (Surrogate Rec)	61	93	96	3.2	93	90	3.3	30 - 150	30	

Comment:

Spike was added to Blank BH69829. Blank BH69538 was prepped on the same day and was reported for this batch. All other QC was within criteria. -AW

QA/QC Batch 298465, QC Sample No: BH69829 (BH69795, BH69797, BH69799, BH69801)

Semivolatiles - Solid

1,1-Biphenyl	ND	86	85	1.2	84	84	0.0	30 - 130	30	
1,2,4,5-Tetrachlorobenzene	ND	77	78	1.3	78	77	1.3	30 - 130	30	
1,2-Diphenylhydrazine	ND	100	98	2.0	86	88	2.3	30 - 130	30	
2,3,4,6-tetrachlorophenol	ND	92	95	3.2	94	92	2.2	30 - 130	30	
2,4,5-Trichlorophenol	ND	98	99	1.0	97	96	1.0	30 - 130	30	
2,4,6-Trichlorophenol	ND	97	97	0.0	96	96	0.0	30 - 130	30	
2,4-Dichlorophenol	ND	85	87	2.3	84	83	1.2	30 - 130	30	
2,4-Dimethylphenol	ND	81	82	1.2	80	80	0.0	30 - 130	30	
2,4-Dinitrophenol	ND	32	39	19.7	30	26	14.3	30 - 130	30	m
2,4-Dinitrotoluene	ND	97	101	4.0	95	96	1.0	30 - 130	30	
2,6-Dinitrotoluene	ND	94	97	3.1	93	94	1.1	30 - 130	30	
2-Chloronaphthalene	ND	88	87	1.1	85	85	0.0	30 - 130	30	
2-Chlorophenol	ND	85	86	1.2	81	82	1.2	30 - 130	30	
2-Methylnaphthalene	ND	82	83	1.2	81	80	1.2	30 - 130	30	
2-Methylphenol (o-cresol)	ND	85	86	1.2	81	81	0.0	30 - 130	30	
2-Nitroaniline	ND	145	154	6.0	141	141	0.0	30 - 130	30	l,m
2-Nitrophenol	ND	86	88	2.3	82	83	1.2	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	90	91	1.1	85	85	0.0	30 - 130	30	
3,3'-Dichlorobenzidine	ND	101	101	0.0	109	111	1.8	30 - 130	30	

QA/QC Data

SDG I.D.: GBH69794

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
3-Nitroaniline	ND	129	131	1.5	129	130	0.8	30 - 130	30	l
4,6-Dinitro-2-methylphenol	ND	59	67	12.7	80	73	9.2	30 - 130	30	
4-Bromophenyl phenyl ether	ND	93	91	2.2	92	91	1.1	30 - 130	30	
4-Chloro-3-methylphenol	ND	93	94	1.1	89	88	1.1	30 - 130	30	
4-Chloroaniline	ND	70	66	5.9	66	66	0.0	30 - 130	30	
4-Chlorophenyl phenyl ether	ND	86	84	2.4	87	86	1.2	30 - 130	30	
4-Nitroaniline	ND	110	110	0.0	97	99	2.0	30 - 130	30	
4-Nitrophenol	ND	107	111	3.7	91	92	1.1	30 - 130	30	
Acenaphthene	ND	87	87	0.0	85	85	0.0	30 - 130	30	
Acenaphthylene	ND	87	88	1.1	86	85	1.2	30 - 130	30	
Acetophenone	ND	87	87	0.0	81	81	0.0	30 - 130	30	
Anthracene	ND	93	92	1.1	91	90	1.1	30 - 130	30	
Atrazine	ND	106	106	0.0	103	101	2.0	30 - 130	30	
Benz(a)anthracene	ND	90	90	0.0	87	87	0.0	30 - 130	30	
Benzaldehyde	ND	55	49	11.5	97	98	1.0	30 - 130	30	
Benzidine	ND	28	23	19.6	54	53	1.9	30 - 130	30	l
Benzo(a)pyrene	ND	91	91	0.0	89	89	0.0	30 - 130	30	
Benzo(b)fluoranthene	ND	93	91	2.2	86	85	1.2	30 - 130	30	
Benzo(ghi)perylene	ND	97	98	1.0	95	88	7.7	30 - 130	30	
Benzo(k)fluoranthene	ND	87	87	0.0	89	92	3.3	30 - 130	30	
Benzyl Alcohol	ND	89	89	0.0	81	81	0.0	30 - 130	30	
Benzyl butyl phthalate	ND	98	100	2.0	91	91	0.0	30 - 130	30	
Bis(2-chloroethoxy)methane	ND	85	85	0.0	79	81	2.5	30 - 130	30	
Bis(2-chloroethyl)ether	ND	70	71	1.4	65	66	1.5	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	85	83	2.4	73	76	4.0	30 - 130	30	
Bis(2-ethylhexyl)phthalate	ND	95	93	2.1	88	88	0.0	30 - 130	30	
Caprolactam	ND	86	87	1.2	87	86	1.2	30 - 130	30	
Carbazole	ND	155	164	5.6	152	152	0.0	30 - 130	30	l,m
Chrysene	ND	90	92	2.2	89	90	1.1	30 - 130	30	
Dibenz(a,h)anthracene	ND	92	92	0.0	92	87	5.6	30 - 130	30	
Dibenzofuran	ND	91	91	0.0	89	88	1.1	30 - 130	30	
Diethyl phthalate	ND	95	93	2.1	91	90	1.1	30 - 130	30	
Dimethylphthalate	ND	92	90	2.2	89	89	0.0	30 - 130	30	
Di-n-butylphthalate	ND	93	91	2.2	88	89	1.1	30 - 130	30	
Di-n-octylphthalate	ND	96	94	2.1	87	92	5.6	30 - 130	30	
Fluoranthene	ND	89	89	0.0	89	88	1.1	30 - 130	30	
Fluorene	ND	89	89	0.0	88	88	0.0	30 - 130	30	
Hexachlorobenzene	ND	96	94	2.1	90	90	0.0	30 - 130	30	
Hexachlorobutadiene	ND	72	71	1.4	72	72	0.0	30 - 130	30	
Hexachlorocyclopentadiene	ND	80	82	2.5	72	66	8.7	30 - 130	30	
Hexachloroethane	ND	72	73	1.4	66	67	1.5	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	95	96	1.0	95	88	7.7	30 - 130	30	
Isophorone	ND	81	80	1.2	75	76	1.3	30 - 130	30	
Naphthalene	ND	76	75	1.3	74	74	0.0	30 - 130	30	
Nitrobenzene	ND	86	87	1.2	79	79	0.0	30 - 130	30	
N-Nitrosodimethylamine	ND	73	75	2.7	68	70	2.9	30 - 130	30	
N-Nitrosodi-n-propylamine	ND	96	98	2.1	83	84	1.2	30 - 130	30	
N-Nitrosodiphenylamine	ND	96	96	0.0	93	92	1.1	30 - 130	30	
Pentachlorophenol	ND	88	91	3.4	92	92	0.0	30 - 130	30	
Phenanthrene	ND	91	90	1.1	89	88	1.1	30 - 130	30	
Phenol	ND	92	92	0.0	85	85	0.0	30 - 130	30	
Pyrene	ND	88	88	0.0	88	87	1.1	30 - 130	30	
% 2,4,6-Tribromophenol	94	104	102	1.9	91	94	3.2	30 - 130	30	

QA/QC Data

SDG I.D.: GBH69794

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
% 2-Fluorobiphenyl	78	83	82	1.2	82	83	1.2	30 - 130	30
% 2-Fluorophenol	75	79	80	1.3	75	76	1.3	30 - 130	30
% Nitrobenzene-d5	74	84	85	1.2	77	79	2.6	30 - 130	30
% Phenol-d5	83	89	89	0.0	82	83	1.2	30 - 130	30
% Terphenyl-d14	94	94	92	2.2	95	94	1.1	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 298792, QC Sample No: BH71149 (BH69795 (5X) , BH69797 (5X) , BH69799 (5X) , BH69801 (5X))

Volatiles - TCLP

1,1-Dichloroethene	ND	116	119	2.6	108	109	0.9	70 - 130	30
1,2-Dichloroethane	ND	117	125	6.6	108	110	1.8	70 - 130	30
Benzene	ND	118	122	3.3	108	111	2.7	70 - 130	30
Carbon tetrachloride	ND	114	121	6.0	108	110	1.8	70 - 130	30
Chlorobenzene	ND	115	120	4.3	109	110	0.9	70 - 130	30
Chloroform	ND	122	127	4.0	112	113	0.9	70 - 130	30
Methyl ethyl ketone	ND	106	115	8.1	99	97	2.0	70 - 130	30
Tetrachloroethene	ND	111	116	4.4	106	108	1.9	70 - 130	30
Trichloroethene	ND	115	119	3.4	108	110	1.8	70 - 130	30
Vinyl chloride	ND	103	109	5.7	110	111	0.9	70 - 130	30
% 1,2-dichlorobenzene-d4	96	99	101	2.0	99	101	2.0	70 - 130	30
% Bromofluorobenzene	94	98	99	1.0	98	98	0.0	70 - 130	30
% Dibromofluoromethane	91	99	100	1.0	99	99	0.0	70 - 130	30
% Toluene-d8	97	101	101	0.0	100	100	0.0	70 - 130	30

Comment:

A blank MS/MSD was analyzed with this batch.

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

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

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

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

Phyllis Shiller, Laboratory Director
February 11, 2015

Criteria: NJ: RC; NY: 375

State: NY

Sample Criteria Exceedences Report

GBH69794 - IMPACT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH69797	$DPSVNJ_TCL	Benzo(a)pyrene	NJ / Soil Remediation Standard / Res. Direct Contact	400	150	200	200	ug/Kg
BH69797	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.65	0.03	0.18	0.18	mg/Kg
BH69798	$DPVOA_NJTC	Total Xylenes	NY / 375-6.8 Volatiles / Unrestricted Use Soil	550	250	260	260	ug/Kg
BH69799	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	72.6	0.38	63	63	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 11, 2015

SDG I.D.: GBH69794

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

HAIN OF CUSTODY

PACT ENVIRONMENTAL
0 Keyland Court, Bohemia, New York 11716
el.) 631-269-8800 (Fax) 631-269-1599

Page ____ of ____

LAB NAME: Phoenix

RECEIVED DATE:

Client Information

mpany Name: Impact Environmental
dress: 170 Keyland Court
Bohemia
oject Contact: Yin Yuan
one #: 631-269-8800 Fax #: 631-269-1599
mail: yyuan@impactenvironmental.com

Project Information

Project Name: SW Marine Transfer Station
Street: 1824 Shore Parkway
City: Brooklyn State: NY Zip:
Project #: 7336
Sampler's Name: Yin Yuan
Sampler's Signature:

LAB MPLE # (B USE LY)	Sample ID	IEC Project Code	Matrix Code	Sample Type	Sample Date	Time	Total # of bottles	NONE or OTHER	ICE	HCL	Methanol (USEPA 5035)	Sodium Bisulfate (EPA 5035)	Impact Analytical Package A*	Impact Analytical Package B**	Impact Analytical Package C***	VOC 8260 (Analyte List for NY Part 375 and NJ NRDCC)	GP82 Analysis	VOCs 8260 (CP51 Analite List)					(LAB USE ONLY)
1	WC 32 2-3		S	G	2/3	9:30	3											X					69794
2	WC 32 comp			C		9:30									X								69795
3	WC 35 1-2					10:30												X					69796
4	WC 35 comp					10:30									X								69797
5	WC40 1-2					11:00												X					69798
6	WC40 comp					11:00									X								69799
7	~~WC 45~~					X												X					~~69800~~
8	~~WC 45 comp~~					X									X								
9	WC19 1-2					12:00												X					69800
10	WC19 comp					12:00									X								69801

Matrix Codes: L - Liquid; S - Soil; A - Air; OL - Oil; W - Wipe; PC - Paint Chips; SL - Sludge; SD - Solid; DW- Drinking Water; DISS - Dissolved

Sample Type: G=Grab; C=Composite; B=Blank

Turnaround Time (Business Days)

ndard Service (LAB USE ONLY)
- [ ] Standard - 5 day
- [ ] Standard - 4 day
- [x] Standard - 3 day

TAT Approved By / Date:

sh Service
- [ ] 48 Hour *RUSH*
- [ ] 24 Hour *RUSH*

Data Deliverable Information

- [ ] Results Only (Level-1)
- [ ] Results plus Misc. QC (Level-2)
- [ ] Results plus ALL QC (Level-3)
- [ ] PA QC Package
- [ ] NJ QC Package (Level3NJ)
- [ ] CLP Category A (Level-2)
- [ ] CLP Category B (Level-4)
- [ ] ASP QC Package (Level-4)
- [ ] Other _____
- [x] EDD Format pdf + excel

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)

REFERENCES

*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSRS & NY Part 375 parameters and dectection limits. **Package B (proprietary)-Same as Package A, plus TCLP Metals & TPH. ***Package C (proprietary)-Same as Package B plus RCRA characteristics and Full TCLP

NOTES/COMMENTS:

Sample custody must be documented below each time samples change possession, with a signature, date, and time.

Relinquished by Sampler:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	1	1	2	2-3-15	2
Relinquished by: 3	Date / Time: 3	Received By: 3	Relinquished By: 4	Date / Time: 2/3/15 1930	Received By: 4
Relinquished by: 5	Date / Time: 5	Received By: 5			

COOLER INFORMATION

Cooler Temp: _____ pH: _____ [ ] On Ice [ ] Sample Receipt Discrepancy(attach information)

QBH 69794

Shannon - Phoenixlabs

From: Michael - Phoenixlabs [michael@phoenixlabs.com]
Sent: Tuesday, February 03, 2015 03:22 PM
To: Shannon - Phoenixlabs
Subject: Re: IMPACT

Yes. Full list. Thanks for checking.

Regards,
Michael Lapman
Account Manager
Phoenix Environmental Laboratories, Inc.
www.phoenixlabs.com

Sent from my iPhone

On Feb 3, 2015, at 3:10 PM, Shannon - Phoenixlabs <shannon@phoenixlabs.com> wrote:

> Hi Michael,
> We are getting samples in again from SW Marine Transfer Station and they are asking for Voc's 8260(CP51) I just want to confirm this is not correct and I am doing the normal full list in the Package C?
>
> Shannon Wilhelm
> Phoenix Environmental Labs

PHOENIX
Environmental Laboratories, Inc.

Friday, February 06, 2015

Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Project ID: SW MARINE TRANSFER STATION
Sample ID#s: BH69277 - BH69296

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

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

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

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

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

Sincerely yours,

Phyllis Shiller
Laboratory Director

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

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 06, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	01/30/15	7:30
Location Code:	IMPACT	Received by:	SW	01/30/15	17:25
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH69277
Phoenix ID: BH69277

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 2 2-3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	01/30/15	I	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	4.6	0.92	ug/Kg	02/01/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	4.6	0.92	ug/Kg	02/01/15	JLI	SW8260
1,3-Dichlorobenzene	ND	4.6	0.92	ug/Kg	02/01/15	JLI	SW8260
Naphthalene	ND	4.6	1.2	ug/Kg	02/01/15	JLI	SW8260
n-Butylbenzene	ND	4.6	0.92	ug/Kg	02/01/15	JLI	SW8260
n-Propylbenzene	ND	4.6	0.92	ug/Kg	02/01/15	JLI	SW8260
p-Isopropyltoluene	ND	4.6	0.92	ug/Kg	02/01/15	JLI	SW8260
sec-Butylbenzene	ND	4.6	0.92	ug/Kg	02/01/15	JLI	SW8260
tert-Butylbenzene	ND	4.6	0.92	ug/Kg	02/01/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100			%	02/01/15	JLI	SW8260
% Bromofluorobenzene	96			%	02/01/15	JLI	SW8260
% Dibromofluoromethane	98			%	02/01/15	JLI	SW8260
% Toluene-d8	100			%	02/01/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	92	92	ug/kg	02/01/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	4.6	0.92	ug/Kg	02/01/15	JLI	SW8260
1,1,1-Trichloroethane	ND	4.6	0.92	ug/Kg	02/01/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	4.6	0.65	ug/Kg	02/01/15	JLI	SW8260
1,1,2-Trichloroethane	ND	4.6	0.45	ug/Kg	02/01/15	JLI	SW8260
1,1-Dichloroethane	ND	4.6	0.91	ug/Kg	02/01/15	JLI	SW8260
1,1-Dichloroethene	ND	4.6	1.0	ug/Kg	02/01/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 2 2-3

Phoenix I.D.: BH69277

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		4.6	0.62	ug/Kg	02/01/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		4.6	0.54	ug/Kg	02/01/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		4.6	1.2	ug/Kg	02/01/15	JLI	SW8260
1,2-Dibromoethane	ND		4.6	1.2	ug/Kg	02/01/15	JLI	SW8260
1,2-Dichlorobenzene	ND		4.6	0.51	ug/Kg	02/01/15	JLI	SW8260
1,2-Dichloroethane	ND		4.6	0.40	ug/Kg	02/01/15	JLI	SW8260
1,2-Dichloropropane	ND		4.6	0.65	ug/Kg	02/01/15	JLI	SW8260
1,3-Dichlorobenzene	ND		4.6	0.68	ug/Kg	02/01/15	JLI	SW8260
1,4-Dichlorobenzene	ND		4.6	0.73	ug/Kg	02/01/15	JLI	SW8260
2-Hexanone	ND		23	2.1	ug/Kg	02/01/15	JLI	SW8260
4-Methyl-2-pentanone	ND		23	1.1	ug/Kg	02/01/15	JLI	SW8260
Acetone	22	JS	46	4.6	ug/Kg	02/01/15	JLI	SW8260
Acrolein	ND		23	3.7	ug/Kg	02/01/15	JLI	SW8260
Acrylonitrile	ND		9.2	2.6	ug/Kg	02/01/15	JLI	SW8260
Benzene	ND		4.6	0.91	ug/Kg	02/01/15	JLI	SW8260
Bromochloromethane	ND		4.6	0.67	ug/Kg	02/01/15	JLI	SW8260
Bromodichloromethane	ND		4.6	0.57	ug/Kg	02/01/15	JLI	SW8260
Bromoform	ND		4.6	0.64	ug/Kg	02/01/15	JLI	SW8260
Bromomethane	ND		4.6	3.5	ug/Kg	02/01/15	JLI	SW8260
Carbon Disulfide	ND		4.6	0.75	ug/Kg	02/01/15	JLI	SW8260
Carbon tetrachloride	ND		4.6	0.53	ug/Kg	02/01/15	JLI	SW8260
Chlorobenzene	ND		4.6	0.68	ug/Kg	02/01/15	JLI	SW8260
Chloroethane	ND		4.6	1.1	ug/Kg	02/01/15	JLI	SW8260
Chloroform	ND		4.6	0.84	ug/Kg	02/01/15	JLI	SW8260
Chloromethane	ND		4.6	2.4	ug/Kg	02/01/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		4.6	1.0	ug/Kg	02/01/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		4.6	0.50	ug/Kg	02/01/15	JLI	SW8260
Cyclohexane	ND		4.6	4.6	ug/Kg	02/01/15	JLI	SW8260
Dibromochloromethane	ND		4.6	0.52	ug/Kg	02/01/15	JLI	SW8260
Dichlorodifluoromethane	ND		4.6	1.2	ug/Kg	02/01/15	JLI	SW8260
Ethylbenzene	ND		4.6	0.84	ug/Kg	02/01/15	JLI	SW8260
Isopropylbenzene	ND		4.6	0.88	ug/Kg	02/01/15	JLI	SW8260
m&p-Xylene	ND		4.6	1.8	ug/Kg	02/01/15	JLI	SW8260
Methyl ethyl ketone	6.3	J	28	4.0	ug/Kg	02/01/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		9.2	1.3	ug/Kg	02/01/15	JLI	SW8260
Methylacetate	ND		4.6	4.6	ug/Kg	02/01/15	JLI	SW8260
Methylcyclohexane	ND		4.6	4.6	ug/Kg	02/01/15	JLI	SW8260
Methylene chloride	1.5	JS	4.6	0.75	ug/Kg	02/01/15	JLI	SW8260
o-Xylene	ND		4.6	1.8	ug/Kg	02/01/15	JLI	SW8260
Styrene	ND		4.6	1.3	ug/Kg	02/01/15	JLI	SW8260
tert-butyl alcohol	ND		92	92	ug/Kg	02/01/15	JLI	SW8260
Tetrachloroethene	ND		4.6	0.97	ug/Kg	02/01/15	JLI	SW8260
Toluene	ND		4.6	0.73	ug/Kg	02/01/15	JLI	SW8260
Total Xylenes	ND		4.6	4.6	ug/Kg	02/01/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		4.6	0.92	ug/Kg	02/01/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		4.6	0.94	ug/Kg	02/01/15	JLI	SW8260
Trichloroethene	ND		4.6	0.98	ug/Kg	02/01/15	JLI	SW8260
Trichlorofluoromethane	ND		4.6	1.0	ug/Kg	02/01/15	JLI	SW8260
Trichlorotrifluoroethane	ND		4.6	0.72	ug/Kg	02/01/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 2 2-3

Phoenix I.D.: BH69277

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	4.6	1.5	ug/Kg	02/01/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	02/01/15	JLI	70 - 130 %	
% Bromofluorobenzene	94			%	02/01/15	JLI	70 - 130 %	
% Dibromofluoromethane	98			%	02/01/15	JLI	70 - 130 %	
% Toluene-d8	100			%	02/01/15	JLI	70 - 130 %	
Vinyl Acetate	ND	46	46	ug/Kg	02/01/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

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 06, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 06, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	01/30/15	7:30
Location Code:	IMPACT	Received by:	SW	01/30/15	17:25
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH69277
Phoenix ID: BH69278

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 2 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.35	0.35	0.35	mg/Kg	02/01/15	LK	SW6010	
Aluminum	8920	52	6.9	mg/Kg	02/01/15	LK	SW6010	
Arsenic	6.9	0.7	0.69	mg/Kg	02/01/15	LK	SW6010	
Barium	233	0.35	0.35	mg/Kg	02/01/15	LK	SW6010	
Beryllium	0.56	0.28	0.14	mg/Kg	02/01/15	LK	SW6010	
Calcium	2910	5.2	3.2	mg/Kg	02/01/15	LK	SW6010	
Cadmium	1.10	0.35	0.14	mg/Kg	02/01/15	LK	SW6010	
Cobalt	5.87	0.35	0.35	mg/Kg	02/01/15	LK	SW6010	
Chromium	14.2	0.35	0.35	mg/Kg	02/01/15	LK	SW6010	
Copper	28.1	0.35	0.35	mg/kg	02/01/15	LK	SW6010	
Iron	15400	52	35	mg/Kg	02/01/15	LK	SW6010	
Mercury	0.25	0.03	0.02	mg/Kg	02/02/15	RS	SW-7471	
Potassium	730	5.2	2.7	mg/Kg	02/01/15	LK	SW6010	
Magnesium	1710	5.2	3.5	mg/Kg	02/01/15	LK	SW6010	
Manganese	153	3.5	3.5	mg/Kg	02/01/15	LK	SW6010	
Sodium	991	5.2	3.0	mg/Kg	02/01/15	LK	SW6010	
Nickel	13.8	0.35	0.35	mg/Kg	02/01/15	LK	SW6010	
Lead	2370	35	35	mg/Kg	02/03/15	LK	SW6010	
Antimony	6.9	3.5	1.7	mg/Kg	02/01/15	LK	SW6010	
Selenium	< 1.4	1.4	1.2	mg/Kg	02/01/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/01/15	LK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/01/15	LK	SW6010	
TCLP Barium	0.61	0.10	0.010	mg/L	02/01/15	LK	SW6010	B
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/01/15	LK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/01/15	LK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/02/15	RS	SW7470	
TCLP Lead	1.73	0.10	0.010	mg/L	02/01/15	LK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/01/15	LK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 2 COMP

Phoenix I.D.: BH69278

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.1	3.1	1.4	mg/Kg	02/01/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/01/15	I/I	SW3005	
Trivalent Chromium	14.2	0.50		mg/kg	02/03/15	CL	Calculation	
Vanadium	19.6	0.35	0.35	mg/Kg	02/01/15	LK	SW6010	
Zinc	558	3.5	3.5	mg/Kg	02/01/15	LK	SW6010	
Percent Solid	87			%	01/30/15	I	SW846	
Corrosivity	Negative			Pos/Neg	01/30/15	DH/KDB	SW846	1
Flash Point	>200	200		degree F	02/02/15	Y	SW1010	
Chromium, Hexavalent	< 0.46	0.46	0.46	mg/Kg	02/03/15 11:56	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/02/15	Y	SW846	1
pH - Soil	8.08	0.10		pH Units	01/30/15 19:30	DH/KDB	4500-H B/9045	1
Reactivity Cyanide	< 5.7	5.7	0.028	mg/Kg	01/30/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/02/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/02/15	EG	SW 846-7.3	1
Redox Potential	160	1.0		mV	01/30/15	DH/KDB	SM2580B	1
Total Cyanide	< 0.57	0.57	0.29	mg/Kg	01/30/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				01/30/15	JC	SW3545	
Soil Extraction for Pesticide	Completed				01/30/15	JC/H	SW3545	
Soil Extraction for SVOA	Completed				01/30/15	BJ/VH	SW3545	
Mercury Digestion	Completed				02/01/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/03/15	P/D	SW8151	
TCLP Digestion Mercury	Completed				02/01/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/03/15	W/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				01/30/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				01/30/15	I	1311	
TCLP Pesticides Extraction	Completed				02/03/15	L	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/03/15	L	SW3510	
TCLP Extraction Volatiles	Completed				01/30/15	Y	EPA 1311	
Total Metals Digest	Completed				01/30/15	AG	SW846 - 3050	
Extraction of TPH SM	Completed				01/30/15	CC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	48	48	ug/Kg	02/04/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	48	48	ug/Kg	02/04/15	BB	SW8151	
2,4-D	ND	48	48	ug/Kg	02/04/15	BB	SW8151	
2,4-DB	ND	480	480	ug/Kg	02/04/15	BB	SW8151	
Dalapon	ND	48	48	ug/Kg	02/04/15	BB	SW8151	
Dicamba	ND	95	95	ug/Kg	02/04/15	BB	SW8151	
Dichloroprop	ND	48	48	ug/Kg	02/04/15	BB	SW8151	
Dinoseb	ND	95	95	ug/Kg	02/04/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	68			%	02/04/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	74	74	ug/Kg	01/31/15	AW	SW 8082	
PCB-1221	ND	74	74	ug/Kg	01/31/15	AW	SW 8082	
PCB-1232	ND	74	74	ug/Kg	01/31/15	AW	SW 8082	
PCB-1242	ND	74	74	ug/Kg	01/31/15	AW	SW 8082	
PCB-1248	ND	74	74	ug/Kg	01/31/15	AW	SW 8082	
PCB-1254	ND	74	74	ug/Kg	01/31/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 2 COMP

Phoenix I.D.: BH69278

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	74	74	ug/Kg	01/31/15	AW	SW 8082
PCB-1262	ND	74	74	ug/Kg	01/31/15	AW	SW 8082
PCB-1268	ND	74	74	ug/Kg	01/31/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	77			%	01/31/15	AW	30 - 150 %
% TCMX	74			%	01/31/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.2	2.2	ug/Kg	01/31/15	CE	SW8081
4,4' -DDE	ND	2.2	2.2	ug/Kg	01/31/15	CE	SW8081
4,4' -DDT	ND	2.2	2.2	ug/Kg	01/31/15	CE	SW8081
a-BHC	ND	7.4	7.4	ug/Kg	01/31/15	CE	SW8081
a-Chlordane	ND	3.7	3.7	ug/Kg	01/31/15	CE	SW8081
Aldrin	ND	3.7	3.7	ug/Kg	01/31/15	CE	SW8081
b-BHC	ND	7.4	7.4	ug/Kg	01/31/15	CE	SW8081
Chlordane	ND	37	37	ug/Kg	01/31/15	CE	SW8081
d-BHC	ND	7.4	7.4	ug/Kg	01/31/15	CE	SW8081
Dieldrin	ND	3.7	3.7	ug/Kg	01/31/15	CE	SW8081
Endosulfan I	ND	7.4	7.4	ug/Kg	01/31/15	CE	SW8081
Endosulfan II	ND	7.4	7.4	ug/Kg	01/31/15	CE	SW8081
Endosulfan sulfate	ND	7.4	7.4	ug/Kg	01/31/15	CE	SW8081
Endrin	ND	7.4	7.4	ug/Kg	01/31/15	CE	SW8081
Endrin aldehyde	ND	7.4	7.4	ug/Kg	01/31/15	CE	SW8081
Endrin ketone	ND	7.4	7.4	ug/Kg	01/31/15	CE	SW8081
g-BHC	ND	1.5	1.5	ug/Kg	01/31/15	CE	SW8081
g-Chlordane	ND	3.7	3.7	ug/Kg	01/31/15	CE	SW8081
Heptachlor	ND	7.4	7.4	ug/Kg	01/31/15	CE	SW8081
Heptachlor epoxide	ND	7.4	7.4	ug/Kg	01/31/15	CE	SW8081
Methoxychlor	ND	37	37	ug/Kg	01/31/15	CE	SW8081
Toxaphene	ND	150	150	ug/Kg	01/31/15	CE	SW8081
QA/QC Surrogates							
% DCBP	84			%	01/31/15	CE	30 - 150 %
% TCMX	89			%	01/31/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/04/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/04/15	BB	SW8151
QA/QC Surrogates							
% DCAA	89			%	02/04/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/04/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/04/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/04/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/04/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/04/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/04/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/04/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/04/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/04/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/04/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/04/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/04/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/04/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/04/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/04/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/04/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/04/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/04/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/04/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/04/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	100			%	02/04/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	81			%	02/04/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	57	57	mg/Kg	01/31/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	88			%	01/31/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/03/15	HM	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/03/15	HM	SW8260
Benzene	ND	25	25	ug/L	02/03/15	HM	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/03/15	HM	SW8260
Chlorobenzene	ND	25	25	ug/L	02/03/15	HM	SW8260
Chloroform	ND	25	25	ug/L	02/03/15	HM	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/03/15	HM	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/03/15	HM	SW8260
Trichloroethene	ND	25	25	ug/L	02/03/15	HM	SW8260
Vinyl chloride	ND	25	25	ug/L	02/03/15	HM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	97			%	02/03/15	HM	70 - 130 %
% Bromofluorobenzene	98			%	02/03/15	HM	70 - 130 %
% Dibromofluoromethane	88			%	02/03/15	HM	70 - 130 %
% Toluene-d8	127			%	02/03/15	HM	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	270	120	ug/Kg	01/31/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	270	130	ug/Kg	01/31/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	380	380	ug/Kg	01/31/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	270	180	ug/Kg	01/31/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	270	210	ug/Kg	01/31/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	01/31/15	DD	SW 8270
2,4-Dichlorophenol	ND	150	130	ug/Kg	01/31/15	DD	SW 8270
2,4-Dimethylphenol	ND	270	94	ug/Kg	01/31/15	DD	SW 8270
2,4-Dinitrophenol	ND	270	270	ug/Kg	01/31/15	DD	SW 8270
2,4-Dinitrotoluene	ND	150	150	ug/Kg	01/31/15	DD	SW 8270
2,6-Dinitrotoluene	ND	150	120	ug/Kg	01/31/15	DD	SW 8270
2-Chloronaphthalene	ND	270	110	ug/Kg	01/31/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 2 COMP

Phoenix I.D.: BH69278

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		270	110	ug/Kg	01/31/15	DD	SW 8270	
2-Methylnaphthalene	250	J	270	110	ug/Kg	01/31/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		270	180	ug/Kg	01/31/15	DD	SW 8270	
2-Nitroaniline	ND		1900	380	ug/Kg	01/31/15	DD	SW 8270	
2-Nitrophenol	ND		270	240	ug/Kg	01/31/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		270	150	ug/Kg	01/31/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		150	180	ug/Kg	01/31/15	DD	SW 8270	
3-Nitroaniline	ND		1900	830	ug/Kg	01/31/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		270	410	ug/Kg	01/31/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		270	110	ug/Kg	01/31/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		270	130	ug/Kg	01/31/15	DD	SW 8270	
4-Chloroaniline	ND		760	180	ug/Kg	01/31/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		270	130	ug/Kg	01/31/15	DD	SW 8270	
4-Nitroaniline	ND		1900	130	ug/Kg	01/31/15	DD	SW 8270	
4-Nitrophenol	ND		1900	170	ug/Kg	01/31/15	DD	SW 8270	
Acenaphthene	ND		270	120	ug/Kg	01/31/15	DD	SW 8270	
Acenaphthylene	ND		150	110	ug/Kg	01/31/15	DD	SW 8270	
Acetophenone	ND		270	120	ug/Kg	01/31/15	DD	SW 8270	
Anthracene	ND		270	120	ug/Kg	01/31/15	DD	SW 8270	
Atrazine	ND		150	170	ug/Kg	01/31/15	DD	SW 8270	
Benz(a)anthracene	ND		270	130	ug/Kg	01/31/15	DD	SW 8270	
Benzaldehyde	ND		270	110	ug/Kg	01/31/15	DD	SW 8270	
Benzidine	ND		570	570	ug/Kg	01/31/15	DD	SW 8270	
Benzo(a)pyrene	ND		150	120	ug/Kg	01/31/15	DD	SW 8270	
Benzo(b)fluoranthene	180	J	270	130	ug/Kg	01/31/15	DD	SW 8270	
Benzo(ghi)perylene	ND		270	120	ug/Kg	01/31/15	DD	SW 8270	
Benzo(k)fluoranthene	ND		270	130	ug/Kg	01/31/15	DD	SW 8270	
Benzyl Alcohol	ND		380	380	ug/Kg	01/31/15	DD	SW 8270	
Benzyl butyl phthalate	ND		270	98	ug/Kg	01/31/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		270	100	ug/Kg	01/31/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		150	100	ug/Kg	01/31/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		270	110	ug/Kg	01/31/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		270	110	ug/Kg	01/31/15	DD	SW 8270	
Caprolactam	ND		270	680	ug/Kg	01/31/15	DD	SW 8270	
Carbazole	ND		1900	290	ug/Kg	01/31/15	DD	SW 8270	
Chrysene	ND		270	130	ug/Kg	01/31/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		150	120	ug/Kg	01/31/15	DD	SW 8270	
Dibenzofuran	ND		270	110	ug/Kg	01/31/15	DD	SW 8270	
Diethyl phthalate	ND		270	120	ug/Kg	01/31/15	DD	SW 8270	
Dimethylphthalate	ND		270	120	ug/Kg	01/31/15	DD	SW 8270	
Di-n-butylphthalate	ND		270	100	ug/Kg	01/31/15	DD	SW 8270	
Di-n-octylphthalate	ND		270	98	ug/Kg	01/31/15	DD	SW 8270	
Fluoranthene	220	J	270	120	ug/Kg	01/31/15	DD	SW 8270	
Fluorene	ND		270	130	ug/Kg	01/31/15	DD	SW 8270	
Hexachlorobenzene	ND		150	110	ug/Kg	01/31/15	DD	SW 8270	
Hexachlorobutadiene	ND		270	140	ug/Kg	01/31/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		270	120	ug/Kg	01/31/15	DD	SW 8270	
Hexachloroethane	ND		150	110	ug/Kg	01/31/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND		270	130	ug/Kg	01/31/15	DD	SW 8270	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 2 COMP

Phoenix I.D.: BH69278

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND		150	110	ug/Kg	01/31/15	DD	SW 8270	
Naphthalene	ND		270	110	ug/Kg	01/31/15	DD	SW 8270	
Nitrobenzene	ND		150	130	ug/Kg	01/31/15	DD	SW 8270	
N-Nitrosodimethylamine	ND		270	110	ug/Kg	01/31/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		150	120	ug/Kg	01/31/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND		150	150	ug/Kg	01/31/15	DD	SW 8270	
Pentachlorophenol	ND		270	140	ug/Kg	01/31/15	DD	SW 8270	
Phenanthrene	130	J	150	110	ug/Kg	01/31/15	DD	SW 8270	
Phenol	ND		270	120	ug/Kg	01/31/15	DD	SW 8270	
Pyrene	220	J	270	130	ug/Kg	01/31/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	80				%	01/31/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	77				%	01/31/15	DD	30 - 130 %	
% 2-Fluorophenol	65				%	01/31/15	DD	30 - 130 %	
% Nitrobenzene-d5	72				%	01/31/15	DD	30 - 130 %	
% Phenol-d5	75				%	01/31/15	DD	30 - 130 %	
% Terphenyl-d14	93				%	01/31/15	DD	30 - 130 %	

TCLP Acid/Base-Neutral

1,4-Dichlorobenzene	ND		83	83	ug/L	02/04/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND		83	83	ug/L	02/04/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND		83	83	ug/L	02/04/15	DD	SW 8270	
2,4-Dinitrotoluene	ND		83	83	ug/L	02/04/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		83	83	ug/L	02/04/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND		83	83	ug/L	02/04/15	DD	SW 8270	
Hexachlorobenzene	ND		83	83	ug/L	02/04/15	DD	SW 8270	
Hexachlorobutadiene	ND		83	83	ug/L	02/04/15	DD	SW 8270	
Hexachloroethane	ND		83	83	ug/L	02/04/15	DD	SW 8270	
Nitrobenzene	ND		83	83	ug/L	02/04/15	DD	SW 8270	
Pentachlorophenol	ND		83	83	ug/L	02/04/15	DD	SW 8270	
Pyridine	ND		83	83	ug/L	02/04/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	92				%	02/04/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	67				%	02/04/15	DD	30 - 130 %	
% 2-Fluorophenol	58				%	02/04/15	DD	15 - 110 %	
% Nitrobenzene-d5	78				%	02/04/15	DD	30 - 130 %	
% Phenol-d5	52				%	02/04/15	DD	15 - 110 %	
% Terphenyl-d14	100				%	02/04/15	DD	30 - 130 %	
Aniline	ND		330		ug/Kg	02/02/15	DD	SW8270	
Benzoic Acid	ND		330		ug/Kg	02/02/15	DD	SW8270	1
Parathion	ND		380	150	ug/Kg	01/31/15	DD	SW8270	1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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

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

Phyllis Shiller, Laboratory Director
February 06, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 06, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	01/30/15	8:00
Location Code:	IMPACT	Received by:	SW	01/30/15	17:25
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH69277
Phoenix ID: BH69279

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 3 3-4

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	01/30/15	I	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	4.6	0.92	ug/Kg	02/01/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	4.6	0.92	ug/Kg	02/01/15	JLI	SW8260
1,3-Dichlorobenzene	ND	4.6	0.92	ug/Kg	02/01/15	JLI	SW8260
Naphthalene	ND	4.6	1.2	ug/Kg	02/01/15	JLI	SW8260
n-Butylbenzene	ND	4.6	0.92	ug/Kg	02/01/15	JLI	SW8260
n-Propylbenzene	ND	4.6	0.92	ug/Kg	02/01/15	JLI	SW8260
p-Isopropyltoluene	ND	4.6	0.92	ug/Kg	02/01/15	JLI	SW8260
sec-Butylbenzene	ND	4.6	0.92	ug/Kg	02/01/15	JLI	SW8260
tert-Butylbenzene	ND	4.6	0.92	ug/Kg	02/01/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102			%	02/01/15	JLI	SW8260
% Bromofluorobenzene	93			%	02/01/15	JLI	SW8260
% Dibromofluoromethane	99			%	02/01/15	JLI	SW8260
% Toluene-d8	99			%	02/01/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	92	92	ug/kg	02/01/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	4.6	0.92	ug/Kg	02/01/15	JLI	SW8260
1,1,1-Trichloroethane	ND	4.6	0.92	ug/Kg	02/01/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	4.6	0.65	ug/Kg	02/01/15	JLI	SW8260
1,1,2-Trichloroethane	ND	4.6	0.45	ug/Kg	02/01/15	JLI	SW8260
1,1-Dichloroethane	ND	4.6	0.91	ug/Kg	02/01/15	JLI	SW8260
1,1-Dichloroethene	ND	4.6	1.0	ug/Kg	02/01/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 3 3-4

Phoenix I.D.: BH69279

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		4.6	0.62	ug/Kg	02/01/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		4.6	0.54	ug/Kg	02/01/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		4.6	1.2	ug/Kg	02/01/15	JLI	SW8260
1,2-Dibromoethane	ND		4.6	1.2	ug/Kg	02/01/15	JLI	SW8260
1,2-Dichlorobenzene	ND		4.6	0.51	ug/Kg	02/01/15	JLI	SW8260
1,2-Dichloroethane	ND		4.6	0.40	ug/Kg	02/01/15	JLI	SW8260
1,2-Dichloropropane	ND		4.6	0.65	ug/Kg	02/01/15	JLI	SW8260
1,3-Dichlorobenzene	ND		4.6	0.68	ug/Kg	02/01/15	JLI	SW8260
1,4-Dichlorobenzene	ND		4.6	0.73	ug/Kg	02/01/15	JLI	SW8260
2-Hexanone	ND		23	2.1	ug/Kg	02/01/15	JLI	SW8260
4-Methyl-2-pentanone	ND		23	1.1	ug/Kg	02/01/15	JLI	SW8260
Acetone	ND		46	4.6	ug/Kg	02/01/15	JLI	SW8260
Acrolein	ND		23	3.7	ug/Kg	02/01/15	JLI	SW8260
Acrylonitrile	ND		9.2	2.6	ug/Kg	02/01/15	JLI	SW8260
Benzene	ND		4.6	0.91	ug/Kg	02/01/15	JLI	SW8260
Bromochloromethane	ND		4.6	0.67	ug/Kg	02/01/15	JLI	SW8260
Bromodichloromethane	ND		4.6	0.57	ug/Kg	02/01/15	JLI	SW8260
Bromoform	ND		4.6	0.64	ug/Kg	02/01/15	JLI	SW8260
Bromomethane	ND		4.6	3.5	ug/Kg	02/01/15	JLI	SW8260
Carbon Disulfide	ND		4.6	0.75	ug/Kg	02/01/15	JLI	SW8260
Carbon tetrachloride	ND		4.6	0.53	ug/Kg	02/01/15	JLI	SW8260
Chlorobenzene	ND		4.6	0.68	ug/Kg	02/01/15	JLI	SW8260
Chloroethane	ND		4.6	1.1	ug/Kg	02/01/15	JLI	SW8260
Chloroform	ND		4.6	0.84	ug/Kg	02/01/15	JLI	SW8260
Chloromethane	ND		4.6	2.4	ug/Kg	02/01/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		4.6	1.0	ug/Kg	02/01/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		4.6	0.50	ug/Kg	02/01/15	JLI	SW8260
Cyclohexane	ND		4.6	4.6	ug/Kg	02/01/15	JLI	SW8260
Dibromochloromethane	ND		4.6	0.52	ug/Kg	02/01/15	JLI	SW8260
Dichlorodifluoromethane	ND		4.6	1.2	ug/Kg	02/01/15	JLI	SW8260
Ethylbenzene	ND		4.6	0.84	ug/Kg	02/01/15	JLI	SW8260
Isopropylbenzene	ND		4.6	0.88	ug/Kg	02/01/15	JLI	SW8260
m&p-Xylene	ND		4.6	1.8	ug/Kg	02/01/15	JLI	SW8260
Methyl ethyl ketone	ND		28	4.0	ug/Kg	02/01/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		9.2	1.3	ug/Kg	02/01/15	JLI	SW8260
Methylacetate	ND		4.6	4.6	ug/Kg	02/01/15	JLI	SW8260
Methylcyclohexane	ND		4.6	4.6	ug/Kg	02/01/15	JLI	SW8260
Methylene chloride	1.8	JS	4.6	0.75	ug/Kg	02/01/15	JLI	SW8260
o-Xylene	ND		4.6	1.8	ug/Kg	02/01/15	JLI	SW8260
Styrene	ND		4.6	1.3	ug/Kg	02/01/15	JLI	SW8260
tert-butyl alcohol	ND		92	92	ug/Kg	02/01/15	JLI	SW8260
Tetrachloroethene	ND		4.6	0.97	ug/Kg	02/01/15	JLI	SW8260
Toluene	ND		4.6	0.73	ug/Kg	02/01/15	JLI	SW8260
Total Xylenes	ND		4.6	4.6	ug/Kg	02/01/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		4.6	0.92	ug/Kg	02/01/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		4.6	0.94	ug/Kg	02/01/15	JLI	SW8260
Trichloroethene	ND		4.6	0.98	ug/Kg	02/01/15	JLI	SW8260
Trichlorofluoromethane	ND		4.6	1.0	ug/Kg	02/01/15	JLI	SW8260
Trichlorotrifluoroethane	ND		4.6	0.72	ug/Kg	02/01/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 3 3-4

Phoenix I.D.: BH69279

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	4.6	1.5	ug/Kg	02/01/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	102			%	02/01/15	JLI	70 - 130 %	
% Bromofluorobenzene	91			%	02/01/15	JLI	70 - 130 %	
% Dibromofluoromethane	99			%	02/01/15	JLI	70 - 130 %	
% Toluene-d8	99			%	02/01/15	JLI	70 - 130 %	
Vinyl Acetate	ND	46	46	ug/Kg	02/01/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

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 06, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 06, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	01/30/15	8:00
Location Code:	IMPACT	Received by:	SW	01/30/15	17:25
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH69277
Phoenix ID: BH69280

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 3 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.35	0.35	0.35	mg/Kg	02/01/15	LK	SW6010	
Aluminum	1260	5.2	0.70	mg/Kg	02/01/15	LK	SW6010	
Arsenic	0.9	0.7	0.70	mg/Kg	02/01/15	LK	SW6010	
Barium	5.63	0.35	0.35	mg/Kg	02/01/15	LK	SW6010	
Beryllium	< 0.28	0.28	0.14	mg/Kg	02/01/15	LK	SW6010	
Calcium	330	5.2	3.2	mg/Kg	02/01/15	LK	SW6010	
Cadmium	< 0.35	0.35	0.14	mg/Kg	02/01/15	LK	SW6010	
Cobalt	1.09	0.35	0.35	mg/Kg	02/01/15	LK	SW6010	
Chromium	4.24	0.35	0.35	mg/Kg	02/01/15	LK	SW6010	
Copper	1.79	0.35	0.35	mg/kg	02/01/15	LK	SW6010	
Iron	2610	5.2	3.5	mg/Kg	02/01/15	LK	SW6010	
Mercury	< 0.03	0.03	0.02	mg/Kg	02/02/15	RS	SW-7471	
Potassium	295	5.2	2.7	mg/Kg	02/01/15	LK	SW6010	
Magnesium	595	5.2	3.5	mg/Kg	02/01/15	LK	SW6010	
Manganese	23.3	0.35	0.35	mg/Kg	02/01/15	LK	SW6010	
Sodium	760	5.2	3.0	mg/Kg	02/01/15	LK	SW6010	
Nickel	4.14	0.35	0.35	mg/Kg	02/01/15	LK	SW6010	
Lead	4.87	0.35	0.35	mg/Kg	02/01/15	LK	SW6010	
Antimony	< 3.5	3.5	1.7	mg/Kg	02/01/15	LK	SW6010	
Selenium	< 1.4	1.4	1.2	mg/Kg	02/01/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/01/15	LK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/01/15	LK	SW6010	
TCLP Barium	0.54	0.10	0.010	mg/L	02/01/15	LK	SW6010	B
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/01/15	LK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/01/15	LK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/02/15	RS	SW7470	
TCLP Lead	0.28	0.10	0.010	mg/L	02/01/15	LK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/01/15	LK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 3 COMP

Phoenix I.D.: BH69280

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.1	3.1	1.4	mg/Kg	02/01/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/01/15	I/I	SW3005	
Trivalent Chromium	4.24	0.50		mg/kg	02/03/15	CL	Calculation	
Vanadium	4.16	0.35	0.35	mg/Kg	02/01/15	LK	SW6010	
Zinc	14.9	0.35	0.35	mg/Kg	02/01/15	LK	SW6010	
Percent Solid	94			%	01/30/15	I	SW846	
Corrosivity	Negative			Pos/Neg	01/30/15	DH/KDB	SW846	1
Flash Point	>200	200		degree F	02/02/15	Y	SW1010	
Chromium, Hexavalent	< 0.44	0.44	0.44	mg/Kg	02/03/15 11:56	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/02/15	Y	SW846	1
pH - Soil	9.52	0.10		pH Units	01/30/15 19:30	DH/KDB	4500-H B/9045	1
Reactivity Cyanide	< 5.3	5.3	0.026	mg/Kg	01/30/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/02/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/02/15	EG	SW 846-7.3	1
Redox Potential	140	1.0		mV	01/30/15	DH/KDB	SM2580B	1
Total Cyanide	< 0.53	0.53	0.27	mg/Kg	01/30/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				01/30/15	JC	SW3545	
Soil Extraction for Pesticide	Completed				01/30/15	JC/H	SW3545	
Soil Extraction for SVOA	Completed				01/30/15	BJ/VH	SW3545	
Mercury Digestion	Completed				02/01/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/03/15	P/D	SW8151	
TCLP Digestion Mercury	Completed				02/01/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/03/15	W/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				01/30/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				01/30/15	I	1311	
TCLP Pesticides Extraction	Completed				02/03/15	L	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/03/15	L	SW3510	
TCLP Extraction Volatiles	Completed				01/30/15	Y	EPA 1311	
Total Metals Digest	Completed				01/30/15	AG	SW846 - 3050	
Extraction of TPH SM	Completed				01/30/15	CC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	44	44	ug/Kg	02/04/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	44	44	ug/Kg	02/04/15	BB	SW8151	
2,4-D	ND	44	44	ug/Kg	02/04/15	BB	SW8151	
2,4-DB	ND	440	440	ug/Kg	02/04/15	BB	SW8151	
Dalapon	ND	44	44	ug/Kg	02/04/15	BB	SW8151	
Dicamba	ND	88	88	ug/Kg	02/04/15	BB	SW8151	
Dichloroprop	ND	44	44	ug/Kg	02/04/15	BB	SW8151	
Dinoseb	ND	88	88	ug/Kg	02/04/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	68			%	02/04/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	70	70	ug/Kg	01/31/15	AW	SW 8082	
PCB-1221	ND	70	70	ug/Kg	01/31/15	AW	SW 8082	
PCB-1232	ND	70	70	ug/Kg	01/31/15	AW	SW 8082	
PCB-1242	ND	70	70	ug/Kg	01/31/15	AW	SW 8082	
PCB-1248	ND	70	70	ug/Kg	01/31/15	AW	SW 8082	
PCB-1254	ND	70	70	ug/Kg	01/31/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 3 COMP

Phoenix I.D.: BH69280

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	70	70	ug/Kg	01/31/15	AW	SW 8082
PCB-1262	ND	70	70	ug/Kg	01/31/15	AW	SW 8082
PCB-1268	ND	70	70	ug/Kg	01/31/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	87			%	01/31/15	AW	30 - 150 %
% TCMX	84			%	01/31/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.1	2.1	ug/Kg	02/01/15	CE	SW8081
4,4' -DDE	ND	2.1	2.1	ug/Kg	02/01/15	CE	SW8081
4,4' -DDT	ND	2.1	2.1	ug/Kg	02/01/15	CE	SW8081
a-BHC	ND	7.0	7.0	ug/Kg	02/01/15	CE	SW8081
a-Chlordane	ND	3.5	3.5	ug/Kg	02/01/15	CE	SW8081
Aldrin	ND	3.5	3.5	ug/Kg	02/01/15	CE	SW8081
b-BHC	ND	7.0	7.0	ug/Kg	02/01/15	CE	SW8081
Chlordane	ND	35	35	ug/Kg	02/01/15	CE	SW8081
d-BHC	ND	7.0	7.0	ug/Kg	02/01/15	CE	SW8081
Dieldrin	ND	3.5	3.5	ug/Kg	02/01/15	CE	SW8081
Endosulfan I	ND	7.0	7.0	ug/Kg	02/01/15	CE	SW8081
Endosulfan II	ND	7.0	7.0	ug/Kg	02/01/15	CE	SW8081
Endosulfan sulfate	ND	7.0	7.0	ug/Kg	02/01/15	CE	SW8081
Endrin	ND	7.0	7.0	ug/Kg	02/01/15	CE	SW8081
Endrin aldehyde	ND	7.0	7.0	ug/Kg	02/01/15	CE	SW8081
Endrin ketone	ND	7.0	7.0	ug/Kg	02/01/15	CE	SW8081
g-BHC	ND	1.4	1.4	ug/Kg	02/01/15	CE	SW8081
g-Chlordane	ND	3.5	3.5	ug/Kg	02/01/15	CE	SW8081
Heptachlor	ND	7.0	7.0	ug/Kg	02/01/15	CE	SW8081
Heptachlor epoxide	ND	7.0	7.0	ug/Kg	02/01/15	CE	SW8081
Methoxychlor	ND	35	35	ug/Kg	02/01/15	CE	SW8081
Toxaphene	ND	140	140	ug/Kg	02/01/15	CE	SW8081
QA/QC Surrogates							
% DCBP	92			%	02/01/15	CE	30 - 150 %
% TCMX	102			%	02/01/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/04/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/04/15	BB	SW8151
QA/QC Surrogates							
% DCAA	62			%	02/04/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/04/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/04/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/04/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/04/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/04/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/04/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/04/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/04/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/04/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/04/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/04/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/04/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/04/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/04/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/04/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/04/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/04/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/04/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/04/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/04/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	99			%	02/04/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	82			%	02/04/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	53	53	mg/Kg	01/31/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	87			%	01/31/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/03/15	HM	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/03/15	HM	SW8260
Benzene	ND	25	25	ug/L	02/03/15	HM	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/03/15	HM	SW8260
Chlorobenzene	ND	25	25	ug/L	02/03/15	HM	SW8260
Chloroform	ND	25	25	ug/L	02/03/15	HM	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/03/15	HM	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/03/15	HM	SW8260
Trichloroethene	ND	25	25	ug/L	02/03/15	HM	SW8260
Vinyl chloride	ND	25	25	ug/L	02/03/15	HM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	98			%	02/03/15	HM	70 - 130 %
% Bromofluorobenzene	100			%	02/03/15	HM	70 - 130 %
% Dibromofluoromethane	91			%	02/03/15	HM	70 - 130 %
% Toluene-d8	94			%	02/03/15	HM	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	240	110	ug/Kg	01/31/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	01/31/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	340	340	ug/Kg	01/31/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	240	160	ug/Kg	01/31/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	01/31/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	01/31/15	DD	SW 8270
2,4-Dichlorophenol	ND	140	120	ug/Kg	01/31/15	DD	SW 8270
2,4-Dimethylphenol	ND	240	85	ug/Kg	01/31/15	DD	SW 8270
2,4-Dinitrophenol	ND	240	240	ug/Kg	01/31/15	DD	SW 8270
2,4-Dinitrotoluene	ND	140	140	ug/Kg	01/31/15	DD	SW 8270
2,6-Dinitrotoluene	ND	140	110	ug/Kg	01/31/15	DD	SW 8270
2-Chloronaphthalene	ND	240	98	ug/Kg	01/31/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 3 COMP

Phoenix I.D.: BH69280

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND	240	98	ug/Kg	01/31/15	DD	SW 8270	
2-Methylnaphthalene	ND	240	100	ug/Kg	01/31/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	01/31/15	DD	SW 8270	
2-Nitroaniline	ND	1700	350	ug/Kg	01/31/15	DD	SW 8270	
2-Nitrophenol	ND	240	220	ug/Kg	01/31/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	240	140	ug/Kg	01/31/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	140	160	ug/Kg	01/31/15	DD	SW 8270	
3-Nitroaniline	ND	1700	750	ug/Kg	01/31/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	240	370	ug/Kg	01/31/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	240	100	ug/Kg	01/31/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	01/31/15	DD	SW 8270	
4-Chloroaniline	ND	690	160	ug/Kg	01/31/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	240	120	ug/Kg	01/31/15	DD	SW 8270	
4-Nitroaniline	ND	1700	110	ug/Kg	01/31/15	DD	SW 8270	
4-Nitrophenol	ND	1700	160	ug/Kg	01/31/15	DD	SW 8270	
Acenaphthene	ND	240	100	ug/Kg	01/31/15	DD	SW 8270	
Acenaphthylene	ND	140	96	ug/Kg	01/31/15	DD	SW 8270	
Acetophenone	ND	240	110	ug/Kg	01/31/15	DD	SW 8270	
Anthracene	ND	240	110	ug/Kg	01/31/15	DD	SW 8270	
Atrazine	ND	140	150	ug/Kg	01/31/15	DD	SW 8270	
Benz(a)anthracene	ND	240	120	ug/Kg	01/31/15	DD	SW 8270	
Benzaldehyde	ND	240	100	ug/Kg	01/31/15	DD	SW 8270	
Benzidine	ND	520	520	ug/Kg	01/31/15	DD	SW 8270	
Benzo(a)pyrene	ND	140	110	ug/Kg	01/31/15	DD	SW 8270	
Benzo(b)fluoranthene	ND	240	120	ug/Kg	01/31/15	DD	SW 8270	
Benzo(ghi)perylene	ND	240	110	ug/Kg	01/31/15	DD	SW 8270	
Benzo(k)fluoranthene	ND	240	110	ug/Kg	01/31/15	DD	SW 8270	
Benzyl Alcohol	ND	340	340	ug/Kg	01/31/15	DD	SW 8270	
Benzyl butyl phthalate	ND	240	89	ug/Kg	01/31/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	240	95	ug/Kg	01/31/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	140	93	ug/Kg	01/31/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	240	96	ug/Kg	01/31/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	240	99	ug/Kg	01/31/15	DD	SW 8270	
Caprolactam	ND	240	620	ug/Kg	01/31/15	DD	SW 8270	
Carbazole	ND	1700	260	ug/Kg	01/31/15	DD	SW 8270	
Chrysene	ND	240	120	ug/Kg	01/31/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND	140	110	ug/Kg	01/31/15	DD	SW 8270	
Dibenzofuran	ND	240	100	ug/Kg	01/31/15	DD	SW 8270	
Diethyl phthalate	ND	240	110	ug/Kg	01/31/15	DD	SW 8270	
Dimethylphthalate	ND	240	110	ug/Kg	01/31/15	DD	SW 8270	
Di-n-butylphthalate	ND	240	92	ug/Kg	01/31/15	DD	SW 8270	
Di-n-octylphthalate	ND	240	89	ug/Kg	01/31/15	DD	SW 8270	
Fluoranthene	ND	240	110	ug/Kg	01/31/15	DD	SW 8270	
Fluorene	ND	240	110	ug/Kg	01/31/15	DD	SW 8270	
Hexachlorobenzene	ND	140	100	ug/Kg	01/31/15	DD	SW 8270	
Hexachlorobutadiene	ND	240	120	ug/Kg	01/31/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND	240	110	ug/Kg	01/31/15	DD	SW 8270	
Hexachloroethane	ND	140	100	ug/Kg	01/31/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	240	110	ug/Kg	01/31/15	DD	SW 8270	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 3 COMP

Phoenix I.D.: BH69280

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND	140	96	ug/Kg	01/31/15	DD	SW 8270	
Naphthalene	ND	240	99	ug/Kg	01/31/15	DD	SW 8270	
Nitrobenzene	ND	140	120	ug/Kg	01/31/15	DD	SW 8270	
N-Nitrosodimethylamine	ND	240	97	ug/Kg	01/31/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	140	110	ug/Kg	01/31/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND	140	130	ug/Kg	01/31/15	DD	SW 8270	
Pentachlorophenol	ND	240	130	ug/Kg	01/31/15	DD	SW 8270	
Phenanthrene	ND	140	98	ug/Kg	01/31/15	DD	SW 8270	
Phenol	ND	240	110	ug/Kg	01/31/15	DD	SW 8270	
Pyrene	ND	240	120	ug/Kg	01/31/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	84			%	01/31/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	74			%	01/31/15	DD	30 - 130 %	
% 2-Fluorophenol	63			%	01/31/15	DD	30 - 130 %	
% Nitrobenzene-d5	70			%	01/31/15	DD	30 - 130 %	
% Phenol-d5	73			%	01/31/15	DD	30 - 130 %	
% Terphenyl-d14	89			%	01/31/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral								
1,4-Dichlorobenzene	ND	83	83	ug/L	02/04/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND	83	83	ug/L	02/04/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND	83	83	ug/L	02/04/15	DD	SW 8270	
2,4-Dinitrotoluene	ND	83	83	ug/L	02/04/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	83	83	ug/L	02/04/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND	83	83	ug/L	02/04/15	DD	SW 8270	
Hexachlorobenzene	ND	83	83	ug/L	02/04/15	DD	SW 8270	
Hexachlorobutadiene	ND	83	83	ug/L	02/04/15	DD	SW 8270	
Hexachloroethane	ND	83	83	ug/L	02/04/15	DD	SW 8270	
Nitrobenzene	ND	83	83	ug/L	02/04/15	DD	SW 8270	
Pentachlorophenol	ND	83	83	ug/L	02/04/15	DD	SW 8270	
Pyridine	ND	83	83	ug/L	02/04/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	83			%	02/04/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	60			%	02/04/15	DD	30 - 130 %	
% 2-Fluorophenol	50			%	02/04/15	DD	15 - 110 %	
% Nitrobenzene-d5	69			%	02/04/15	DD	30 - 130 %	
% Phenol-d5	45			%	02/04/15	DD	15 - 110 %	
% Terphenyl-d14	97			%	02/04/15	DD	30 - 130 %	
Aniline	ND	330		ug/Kg	02/02/15	DD	SW8270	
Benzoic Acid	ND	330		ug/Kg	02/02/15	DD	SW8270	1
Parathion	ND	340	140	ug/Kg	01/31/15	DD	SW8270	1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

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

Comments:

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
February 06, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 06, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	01/30/15	8:30
Location Code:	IMPACT	Received by:	SW	01/30/15	17:25
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH69277
Phoenix ID: BH69281

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 4 1-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	01/30/15	I	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	5.4	1.1	ug/Kg	02/03/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	5.4	1.1	ug/Kg	02/03/15	JLI	SW8260
1,3-Dichlorobenzene	ND	5.4	1.1	ug/Kg	02/03/15	JLI	SW8260
Naphthalene	ND	5.4	1.4	ug/Kg	02/03/15	JLI	SW8260
n-Butylbenzene	ND	5.4	1.1	ug/Kg	02/03/15	JLI	SW8260
n-Propylbenzene	ND	5.4	1.1	ug/Kg	02/03/15	JLI	SW8260
p-Isopropyltoluene	ND	5.4	1.1	ug/Kg	02/03/15	JLI	SW8260
sec-Butylbenzene	ND	5.4	1.1	ug/Kg	02/03/15	JLI	SW8260
tert-Butylbenzene	ND	5.4	1.1	ug/Kg	02/03/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	105			%	02/03/15	JLI	SW8260
% Bromofluorobenzene	92			%	02/03/15	JLI	SW8260
% Dibromofluoromethane	101			%	02/03/15	JLI	SW8260
% Toluene-d8	100			%	02/03/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	100	100	ug/kg	02/01/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/Kg	02/01/15	JLI	SW8260
1,1,1-Trichloroethane	ND	5.0	1.0	ug/Kg	02/01/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.0	0.71	ug/Kg	02/01/15	JLI	SW8260
1,1,2-Trichloroethane	ND	5.0	0.49	ug/Kg	02/01/15	JLI	SW8260
1,1-Dichloroethane	ND	5.0	0.99	ug/Kg	02/01/15	JLI	SW8260
1,1-Dichloroethene	ND	5.0	1.1	ug/Kg	02/01/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 4 1-2

Phoenix I.D.: BH69281

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		280	37	ug/Kg	01/31/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		280	33	ug/Kg	01/31/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		280	74	ug/Kg	01/31/15	JLI	SW8260
1,2-Dibromoethane	ND		5.0	1.3	ug/Kg	02/01/15	JLI	SW8260
1,2-Dichlorobenzene	ND		280	30	ug/Kg	01/31/15	JLI	SW8260
1,2-Dichloroethane	ND		5.0	0.44	ug/Kg	02/01/15	JLI	SW8260
1,2-Dichloropropane	ND		5.0	0.71	ug/Kg	02/01/15	JLI	SW8260
1,3-Dichlorobenzene	ND		280	41	ug/Kg	01/31/15	JLI	SW8260
1,4-Dichlorobenzene	ND		280	44	ug/Kg	01/31/15	JLI	SW8260
2-Hexanone	ND		25	2.3	ug/Kg	02/01/15	JLI	SW8260
4-Methyl-2-pentanone	ND		25	1.2	ug/Kg	02/01/15	JLI	SW8260
Acetone	ND		50	5.0	ug/Kg	02/01/15	JLI	SW8260
Acrolein	ND		25	4.0	ug/Kg	02/01/15	JLI	SW8260
Acrylonitrile	ND		10	2.8	ug/Kg	02/01/15	JLI	SW8260
Benzene	ND		5.0	0.99	ug/Kg	02/01/15	JLI	SW8260
Bromochloromethane	ND		5.0	0.73	ug/Kg	02/01/15	JLI	SW8260
Bromodichloromethane	ND		5.0	0.62	ug/Kg	02/01/15	JLI	SW8260
Bromoform	ND		5.0	0.70	ug/Kg	02/01/15	JLI	SW8260
Bromomethane	ND		5.0	3.9	ug/Kg	02/01/15	JLI	SW8260
Carbon Disulfide	ND		5.0	0.81	ug/Kg	02/01/15	JLI	SW8260
Carbon tetrachloride	ND		5.0	0.58	ug/Kg	02/01/15	JLI	SW8260
Chlorobenzene	ND		5.0	0.74	ug/Kg	02/01/15	JLI	SW8260
Chloroethane	ND		5.0	1.2	ug/Kg	02/01/15	JLI	SW8260
Chloroform	ND		5.0	0.91	ug/Kg	02/01/15	JLI	SW8260
Chloromethane	ND		5.0	2.6	ug/Kg	02/01/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		5.0	1.1	ug/Kg	02/01/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		5.0	0.54	ug/Kg	02/01/15	JLI	SW8260
Cyclohexane	ND		5.0	5.0	ug/Kg	02/01/15	JLI	SW8260
Dibromochloromethane	ND		5.0	0.56	ug/Kg	02/01/15	JLI	SW8260
Dichlorodifluoromethane	ND		5.0	1.3	ug/Kg	02/01/15	JLI	SW8260
Ethylbenzene	ND		5.0	0.91	ug/Kg	02/01/15	JLI	SW8260
Isopropylbenzene	ND		280	53	ug/Kg	01/31/15	JLI	SW8260
m&p-Xylene	ND		5.0	2.0	ug/Kg	02/01/15	JLI	SW8260
Methyl ethyl ketone	ND		30	4.3	ug/Kg	02/01/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		10	1.4	ug/Kg	02/01/15	JLI	SW8260
Methylacetate	ND		5.0	5.0	ug/Kg	02/01/15	JLI	SW8260
Methylcyclohexane	ND		5.0	5.0	ug/Kg	02/01/15	JLI	SW8260
Methylene chloride	1.7	JS	5.0	0.82	ug/Kg	02/01/15	JLI	SW8260
o-Xylene	ND		5.0	1.9	ug/Kg	02/01/15	JLI	SW8260
Styrene	ND		5.0	1.4	ug/Kg	02/01/15	JLI	SW8260
tert-butyl alcohol	ND		100	100	ug/Kg	02/01/15	JLI	SW8260
Tetrachloroethene	ND		5.0	1.1	ug/Kg	02/01/15	JLI	SW8260
Toluene	0.90	J	5.0	0.79	ug/Kg	02/01/15	JLI	SW8260
Total Xylenes	ND		5.0	5.0	ug/Kg	02/01/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		5.0	1.0	ug/Kg	02/01/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		5.0	1.0	ug/Kg	02/01/15	JLI	SW8260
Trichloroethene	ND		5.0	1.1	ug/Kg	02/01/15	JLI	SW8260
Trichlorofluoromethane	ND		5.0	1.1	ug/Kg	02/01/15	JLI	SW8260
Trichlorotrifluoroethane	ND		5.0	0.78	ug/Kg	02/01/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 4 1-2

Phoenix I.D.: BH69281

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	5.0	1.6	ug/Kg	02/01/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	01/31/15	JLI	70 - 130 %	
% Bromofluorobenzene	97			%	01/31/15	JLI	70 - 130 %	
% Dibromofluoromethane	115			%	02/01/15	JLI	70 - 130 %	
% Toluene-d8	88			%	02/01/15	JLI	70 - 130 %	
Vinyl Acetate	ND	50	50	ug/Kg	02/01/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

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

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

Phyllis Shiller, Laboratory Director
February 06, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 06, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	01/30/15	8:30
Location Code:	IMPACT	Received by:	SW	01/30/15	17:25
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH69277
Phoenix ID: BH69282

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 4 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.36	0.36	0.36	mg/Kg	02/01/15	LK	SW6010	
Aluminum	4320	54	7.3	mg/Kg	02/01/15	LK	SW6010	
Arsenic	6.4	0.7	0.73	mg/Kg	02/01/15	LK	SW6010	
Barium	105	0.36	0.36	mg/Kg	02/01/15	LK	SW6010	
Beryllium	0.43	0.29	0.15	mg/Kg	02/01/15	LK	SW6010	
Calcium	6030	5.4	3.3	mg/Kg	02/01/15	LK	SW6010	
Cadmium	0.42	0.36	0.15	mg/Kg	02/01/15	LK	SW6010	
Cobalt	3.51	0.36	0.36	mg/Kg	02/01/15	LK	SW6010	
Chromium	12.3	0.36	0.36	mg/Kg	02/01/15	LK	SW6010	
Copper	21.5	0.36	0.36	mg/kg	02/01/15	LK	SW6010	
Iron	11800	54	36	mg/Kg	02/01/15	LK	SW6010	
Mercury	0.08	0.03	0.02	mg/Kg	02/02/15	RS	SW-7471	
Potassium	669	5.4	2.8	mg/Kg	02/01/15	LK	SW6010	
Magnesium	1550	5.4	3.6	mg/Kg	02/01/15	LK	SW6010	
Manganese	366	3.6	3.6	mg/Kg	02/01/15	LK	SW6010	
Sodium	1190	5.4	3.1	mg/Kg	02/01/15	LK	SW6010	
Nickel	11.7	0.36	0.36	mg/Kg	02/01/15	LK	SW6010	
Lead	259	3.6	3.6	mg/Kg	02/01/15	LK	SW6010	
Antimony	< 3.6	3.6	1.8	mg/Kg	02/01/15	LK	SW6010	
Selenium	< 1.5	1.5	1.2	mg/Kg	02/01/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/01/15	LK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/01/15	LK	SW6010	
TCLP Barium	0.81	0.10	0.010	mg/L	02/01/15	LK	SW6010	B
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/01/15	LK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/01/15	LK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/02/15	RS	SW7470	
TCLP Lead	0.52	0.10	0.010	mg/L	02/01/15	LK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/01/15	LK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 4 COMP

Phoenix I.D.: BH69282

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.3	3.3	1.5	mg/Kg	02/01/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/01/15	I/I	SW3005	
Trivalent Chromium	12.3	0.50		mg/kg	02/03/15	CL	Calculation	
Vanadium	17.4	0.36	0.36	mg/Kg	02/01/15	LK	SW6010	
Zinc	172	3.6	3.6	mg/Kg	02/01/15	LK	SW6010	
Percent Solid	93			%	01/30/15	I	SW846	
Corrosivity	Negative			Pos/Neg	01/30/15	DH/KDB	SW846	1
Flash Point	>200	200		degree F	02/02/15	Y	SW1010	
Chromium, Hexavalent	< 0.41	0.41	0.41	mg/Kg	02/03/15 11:56	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/02/15	Y	SW846	1
pH - Soil	9.21	0.10		pH Units	01/30/15 19:30	DH/KDB	4500-H B/9045	1
Reactivity Cyanide	< 5.3	5.3	0.026	mg/Kg	01/30/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/02/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/02/15	EG	SW 846-7.3	1
Redox Potential	220	1.0		mV	01/30/15	DH/KDB	SM2580B	1
Total Cyanide	< 0.54	0.54	0.27	mg/Kg	01/30/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				01/30/15	JC	SW3545	
Soil Extraction for Pesticide	Completed				01/30/15	JC/H	SW3545	
Soil Extraction for SVOA	Completed				01/30/15	JJ/VH	SW3545	
Mercury Digestion	Completed				02/01/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/03/15	P/D	SW8151	
TCLP Digestion Mercury	Completed				02/01/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/03/15	W/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				01/30/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				01/30/15	I	1311	
TCLP Pesticides Extraction	Completed				02/03/15	L	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/03/15	L	SW3510	
TCLP Extraction Volatiles	Completed				01/30/15	Y	EPA 1311	
Total Metals Digest	Completed				01/30/15	AG	SW846 - 3050	
Extraction of TPH SM	Completed				01/30/15	CC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	44	44	ug/Kg	02/04/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	44	44	ug/Kg	02/04/15	BB	SW8151	
2,4-D	ND	44	44	ug/Kg	02/04/15	BB	SW8151	
2,4-DB	ND	440	440	ug/Kg	02/04/15	BB	SW8151	
Dalapon	ND	44	44	ug/Kg	02/04/15	BB	SW8151	
Dicamba	ND	89	89	ug/Kg	02/04/15	BB	SW8151	
Dichloroprop	ND	44	44	ug/Kg	02/04/15	BB	SW8151	
Dinoseb	ND	89	89	ug/Kg	02/04/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	69			%	02/04/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	70	70	ug/Kg	01/31/15	AW	SW 8082	
PCB-1221	ND	70	70	ug/Kg	01/31/15	AW	SW 8082	
PCB-1232	ND	70	70	ug/Kg	01/31/15	AW	SW 8082	
PCB-1242	ND	70	70	ug/Kg	01/31/15	AW	SW 8082	
PCB-1248	ND	70	70	ug/Kg	01/31/15	AW	SW 8082	
PCB-1254	ND	70	70	ug/Kg	01/31/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 4 COMP

Phoenix I.D.: BH69282

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	70	70	ug/Kg	01/31/15	AW	SW 8082
PCB-1262	ND	70	70	ug/Kg	01/31/15	AW	SW 8082
PCB-1268	ND	70	70	ug/Kg	01/31/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	92			%	01/31/15	AW	30 - 150 %
% TCMX	78			%	01/31/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	2.6	2.1	2.1	ug/Kg	02/01/15	CE	SW8081
4,4' -DDE	2.3	2.1	2.1	ug/Kg	02/01/15	CE	SW8081
4,4' -DDT	ND	2.1	2.1	ug/Kg	02/01/15	CE	SW8081
a-BHC	ND	7.0	7.0	ug/Kg	02/01/15	CE	SW8081
a-Chlordane	ND	3.5	3.5	ug/Kg	02/01/15	CE	SW8081
Aldrin	ND	3.5	3.5	ug/Kg	02/01/15	CE	SW8081
b-BHC	ND	7.0	7.0	ug/Kg	02/01/15	CE	SW8081
Chlordane	ND	35	35	ug/Kg	02/01/15	CE	SW8081
d-BHC	ND	7.0	7.0	ug/Kg	02/01/15	CE	SW8081
Dieldrin	ND	3.5	3.5	ug/Kg	02/01/15	CE	SW8081
Endosulfan I	ND	7.0	7.0	ug/Kg	02/01/15	CE	SW8081
Endosulfan II	ND	7.0	7.0	ug/Kg	02/01/15	CE	SW8081
Endosulfan sulfate	ND	7.0	7.0	ug/Kg	02/01/15	CE	SW8081
Endrin	ND	7.0	7.0	ug/Kg	02/01/15	CE	SW8081
Endrin aldehyde	ND	7.0	7.0	ug/Kg	02/01/15	CE	SW8081
Endrin ketone	ND	7.0	7.0	ug/Kg	02/01/15	CE	SW8081
g-BHC	ND	1.4	1.4	ug/Kg	02/01/15	CE	SW8081
g-Chlordane	ND	3.5	3.5	ug/Kg	02/01/15	CE	SW8081
Heptachlor	ND	7.0	7.0	ug/Kg	02/01/15	CE	SW8081
Heptachlor epoxide	ND	7.0	7.0	ug/Kg	02/01/15	CE	SW8081
Methoxychlor	ND	35	35	ug/Kg	02/01/15	CE	SW8081
Toxaphene	ND	140	140	ug/Kg	02/01/15	CE	SW8081
QA/QC Surrogates							
% DCBP	87			%	02/01/15	CE	30 - 150 %
% TCMX	95			%	02/01/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/04/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/04/15	BB	SW8151
QA/QC Surrogates							
% DCAA	44			%	02/04/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/04/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/04/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/04/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/04/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/04/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/04/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/04/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/04/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/04/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/04/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/04/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/04/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/04/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/04/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/04/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/04/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/04/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/04/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/04/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/04/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	96			%	02/04/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	82			%	02/04/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	54	54	mg/Kg	01/31/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	86			%	01/31/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/03/15	HM	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/03/15	HM	SW8260
Benzene	ND	25	25	ug/L	02/03/15	HM	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/03/15	HM	SW8260
Chlorobenzene	ND	25	25	ug/L	02/03/15	HM	SW8260
Chloroform	ND	25	25	ug/L	02/03/15	HM	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/03/15	HM	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/03/15	HM	SW8260
Trichloroethene	ND	25	25	ug/L	02/03/15	HM	SW8260
Vinyl chloride	ND	25	25	ug/L	02/03/15	HM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	97			%	02/03/15	HM	70 - 130 %
% Bromofluorobenzene	91			%	02/03/15	HM	70 - 130 %
% Dibromofluoromethane	73			%	02/03/15	HM	70 - 130 %
% Toluene-d8	103			%	02/03/15	HM	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	250	110	ug/Kg	01/31/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	01/31/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	360	360	ug/Kg	01/31/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	250	170	ug/Kg	01/31/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	01/31/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	01/31/15	DD	SW 8270
2,4-Dichlorophenol	ND	140	130	ug/Kg	01/31/15	DD	SW 8270
2,4-Dimethylphenol	ND	250	88	ug/Kg	01/31/15	DD	SW 8270
2,4-Dinitrophenol	ND	250	250	ug/Kg	01/31/15	DD	SW 8270
2,4-Dinitrotoluene	ND	140	140	ug/Kg	01/31/15	DD	SW 8270
2,6-Dinitrotoluene	ND	140	110	ug/Kg	01/31/15	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	01/31/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 4 COMP

Phoenix I.D.: BH69282

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		250	100	ug/Kg	01/31/15	DD	SW 8270	
2-Methylnaphthalene	ND		250	110	ug/Kg	01/31/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		250	170	ug/Kg	01/31/15	DD	SW 8270	
2-Nitroaniline	ND		1800	360	ug/Kg	01/31/15	DD	SW 8270	
2-Nitrophenol	ND		250	230	ug/Kg	01/31/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		250	140	ug/Kg	01/31/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		140	170	ug/Kg	01/31/15	DD	SW 8270	
3-Nitroaniline	ND		1800	770	ug/Kg	01/31/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		250	380	ug/Kg	01/31/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		250	100	ug/Kg	01/31/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		250	130	ug/Kg	01/31/15	DD	SW 8270	
4-Chloroaniline	ND		710	170	ug/Kg	01/31/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		250	120	ug/Kg	01/31/15	DD	SW 8270	
4-Nitroaniline	ND		1800	120	ug/Kg	01/31/15	DD	SW 8270	
4-Nitrophenol	ND		1800	160	ug/Kg	01/31/15	DD	SW 8270	
Acenaphthene	ND		250	110	ug/Kg	01/31/15	DD	SW 8270	
Acenaphthylene	ND		140	100	ug/Kg	01/31/15	DD	SW 8270	
Acetophenone	ND		250	110	ug/Kg	01/31/15	DD	SW 8270	
Anthracene	ND		250	120	ug/Kg	01/31/15	DD	SW 8270	
Atrazine	ND		140	160	ug/Kg	01/31/15	DD	SW 8270	
Benz(a)anthracene	190	J	250	120	ug/Kg	01/31/15	DD	SW 8270	
Benzaldehyde	ND		250	110	ug/Kg	01/31/15	DD	SW 8270	
Benzidine	ND		530	530	ug/Kg	01/31/15	DD	SW 8270	
Benzo(a)pyrene	200		140	120	ug/Kg	01/31/15	DD	SW 8270	
Benzo(b)fluoranthene	280		250	120	ug/Kg	01/31/15	DD	SW 8270	
Benzo(ghi)perylene	130	J	250	120	ug/Kg	01/31/15	DD	SW 8270	
Benzo(k)fluoranthene	ND		250	120	ug/Kg	01/31/15	DD	SW 8270	
Benzyl Alcohol	ND		360	360	ug/Kg	01/31/15	DD	SW 8270	
Benzyl butyl phthalate	ND		250	92	ug/Kg	01/31/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		250	98	ug/Kg	01/31/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		140	96	ug/Kg	01/31/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		250	99	ug/Kg	01/31/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		250	100	ug/Kg	01/31/15	DD	SW 8270	
Caprolactam	ND		250	640	ug/Kg	01/31/15	DD	SW 8270	
Carbazole	ND		1800	270	ug/Kg	01/31/15	DD	SW 8270	
Chrysene	240	J	250	120	ug/Kg	01/31/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		140	120	ug/Kg	01/31/15	DD	SW 8270	
Dibenzofuran	ND		250	100	ug/Kg	01/31/15	DD	SW 8270	
Diethyl phthalate	ND		250	110	ug/Kg	01/31/15	DD	SW 8270	
Dimethylphthalate	ND		250	110	ug/Kg	01/31/15	DD	SW 8270	
Di-n-butylphthalate	ND		250	95	ug/Kg	01/31/15	DD	SW 8270	
Di-n-octylphthalate	ND		250	92	ug/Kg	01/31/15	DD	SW 8270	
Fluoranthene	520		250	120	ug/Kg	01/31/15	DD	SW 8270	
Fluorene	ND		250	120	ug/Kg	01/31/15	DD	SW 8270	
Hexachlorobenzene	ND		140	100	ug/Kg	01/31/15	DD	SW 8270	
Hexachlorobutadiene	ND		250	130	ug/Kg	01/31/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		250	110	ug/Kg	01/31/15	DD	SW 8270	
Hexachloroethane	ND		140	110	ug/Kg	01/31/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	120	J	250	120	ug/Kg	01/31/15	DD	SW 8270	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 4 COMP

Phoenix I.D.: BH69282

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND	140	100	ug/Kg	01/31/15	DD	SW 8270	
Naphthalene	ND	250	100	ug/Kg	01/31/15	DD	SW 8270	
Nitrobenzene	ND	140	120	ug/Kg	01/31/15	DD	SW 8270	
N-Nitrosodimethylamine	ND	250	100	ug/Kg	01/31/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	140	120	ug/Kg	01/31/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND	140	140	ug/Kg	01/31/15	DD	SW 8270	
Pentachlorophenol	ND	250	130	ug/Kg	01/31/15	DD	SW 8270	
Phenanthrene	470	140	100	ug/Kg	01/31/15	DD	SW 8270	
Phenol	ND	250	110	ug/Kg	01/31/15	DD	SW 8270	
Pyrene	490	250	120	ug/Kg	01/31/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	94			%	01/31/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	78			%	01/31/15	DD	30 - 130 %	
% 2-Fluorophenol	70			%	01/31/15	DD	30 - 130 %	
% Nitrobenzene-d5	78			%	01/31/15	DD	30 - 130 %	
% Phenol-d5	79			%	01/31/15	DD	30 - 130 %	
% Terphenyl-d14	86			%	01/31/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral								
1,4-Dichlorobenzene	ND	83	83	ug/L	02/04/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND	83	83	ug/L	02/04/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND	83	83	ug/L	02/04/15	DD	SW 8270	
2,4-Dinitrotoluene	ND	83	83	ug/L	02/04/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	83	83	ug/L	02/04/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND	83	83	ug/L	02/04/15	DD	SW 8270	
Hexachlorobenzene	ND	83	83	ug/L	02/04/15	DD	SW 8270	
Hexachlorobutadiene	ND	83	83	ug/L	02/04/15	DD	SW 8270	
Hexachloroethane	ND	83	83	ug/L	02/04/15	DD	SW 8270	
Nitrobenzene	ND	83	83	ug/L	02/04/15	DD	SW 8270	
Pentachlorophenol	ND	83	83	ug/L	02/04/15	DD	SW 8270	
Pyridine	ND	83	83	ug/L	02/04/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	89			%	02/04/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	67			%	02/04/15	DD	30 - 130 %	
% 2-Fluorophenol	57			%	02/04/15	DD	15 - 110 %	
% Nitrobenzene-d5	78			%	02/04/15	DD	30 - 130 %	
% Phenol-d5	51			%	02/04/15	DD	15 - 110 %	
% Terphenyl-d14	96			%	02/04/15	DD	30 - 130 %	
Aniline	ND	330		ug/Kg	02/02/15	DD	SW8270	
Benzoic Acid	ND	330		ug/Kg	02/02/15	DD	SW8270	1
Parathion	ND	360	140	ug/Kg	01/31/15	DD	SW8270	1

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 4 COMP

Phoenix I.D.: BH69282

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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

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

Phyllis Shiller, Laboratory Director
February 06, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 06, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	01/30/15	9:00
Location Code:	IMPACT	Received by:	SW	01/30/15	17:25
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH69277
Phoenix ID: BH69283

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 5 1-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	01/30/15	I	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	6.5	1.3	ug/Kg	02/01/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	6.5	1.3	ug/Kg	02/01/15	JLI	SW8260
1,3-Dichlorobenzene	ND	6.5	1.3	ug/Kg	02/01/15	JLI	SW8260
Naphthalene	ND	280	74	ug/Kg	01/31/15	JLI	SW8260
n-Butylbenzene	ND	280	55	ug/Kg	01/31/15	JLI	SW8260
n-Propylbenzene	ND	6.5	1.3	ug/Kg	02/01/15	JLI	SW8260
p-Isopropyltoluene	ND	6.5	1.3	ug/Kg	02/01/15	JLI	SW8260
sec-Butylbenzene	ND	6.5	1.3	ug/Kg	02/01/15	JLI	SW8260
tert-Butylbenzene	ND	6.5	1.3	ug/Kg	02/01/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101			%	01/31/15	JLI	SW8260
% Bromofluorobenzene	76			%	02/01/15	JLI	SW8260
% Dibromofluoromethane	106			%	02/01/15	JLI	SW8260
% Toluene-d8	96			%	02/01/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	130	130	ug/kg	02/01/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	6.5	1.3	ug/Kg	02/01/15	JLI	SW8260
1,1,1-Trichloroethane	ND	6.5	1.3	ug/Kg	02/01/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	6.5	0.92	ug/Kg	02/01/15	JLI	SW8260
1,1,2-Trichloroethane	ND	6.5	0.63	ug/Kg	02/01/15	JLI	SW8260
1,1-Dichloroethane	ND	6.5	1.3	ug/Kg	02/01/15	JLI	SW8260
1,1-Dichloroethene	ND	6.5	1.4	ug/Kg	02/01/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 5 1-2

Phoenix I.D.: BH69283

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		280	37	ug/Kg	01/31/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		280	33	ug/Kg	01/31/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		280	74	ug/Kg	01/31/15	JLI	SW8260
1,2-Dibromoethane	ND		6.5	1.7	ug/Kg	02/01/15	JLI	SW8260
1,2-Dichlorobenzene	ND		280	30	ug/Kg	01/31/15	JLI	SW8260
1,2-Dichloroethane	ND		6.5	0.57	ug/Kg	02/01/15	JLI	SW8260
1,2-Dichloropropane	ND		6.5	0.92	ug/Kg	02/01/15	JLI	SW8260
1,3-Dichlorobenzene	ND		280	41	ug/Kg	01/31/15	JLI	SW8260
1,4-Dichlorobenzene	ND		280	44	ug/Kg	01/31/15	JLI	SW8260
2-Hexanone	ND		32	2.9	ug/Kg	02/01/15	JLI	SW8260
4-Methyl-2-pentanone	ND		32	1.5	ug/Kg	02/01/15	JLI	SW8260
Acetone	ND		65	6.4	ug/Kg	02/01/15	JLI	SW8260
Acrolein	ND		32	5.2	ug/Kg	02/01/15	JLI	SW8260
Acrylonitrile	ND		13	3.6	ug/Kg	02/01/15	JLI	SW8260
Benzene	ND		6.5	1.3	ug/Kg	02/01/15	JLI	SW8260
Bromochloromethane	ND		6.5	0.94	ug/Kg	02/01/15	JLI	SW8260
Bromodichloromethane	ND		6.5	0.80	ug/Kg	02/01/15	JLI	SW8260
Bromoform	ND		6.5	0.90	ug/Kg	02/01/15	JLI	SW8260
Bromomethane	ND		6.5	5.0	ug/Kg	02/01/15	JLI	SW8260
Carbon Disulfide	ND		6.5	1.0	ug/Kg	02/01/15	JLI	SW8260
Carbon tetrachloride	ND		6.5	0.75	ug/Kg	02/01/15	JLI	SW8260
Chlorobenzene	ND		6.5	0.95	ug/Kg	02/01/15	JLI	SW8260
Chloroethane	ND		6.5	1.5	ug/Kg	02/01/15	JLI	SW8260
Chloroform	ND		6.5	1.2	ug/Kg	02/01/15	JLI	SW8260
Chloromethane	ND		6.5	3.4	ug/Kg	02/01/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		6.5	1.4	ug/Kg	02/01/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		6.5	0.70	ug/Kg	02/01/15	JLI	SW8260
Cyclohexane	ND		6.5	6.5	ug/Kg	02/01/15	JLI	SW8260
Dibromochloromethane	ND		6.5	0.72	ug/Kg	02/01/15	JLI	SW8260
Dichlorodifluoromethane	ND		6.5	1.7	ug/Kg	02/01/15	JLI	SW8260
Ethylbenzene	ND		6.5	1.2	ug/Kg	02/01/15	JLI	SW8260
Isopropylbenzene	ND		280	53	ug/Kg	01/31/15	JLI	SW8260
m&p-Xylene	140	J	280	110	ug/Kg	01/31/15	JLI	SW8260
Methyl ethyl ketone	ND		39	5.6	ug/Kg	02/01/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		13	1.8	ug/Kg	02/01/15	JLI	SW8260
Methylacetate	ND		6.5	6.5	ug/Kg	02/01/15	JLI	SW8260
Methylcyclohexane	ND		6.5	6.5	ug/Kg	02/01/15	JLI	SW8260
Methylene chloride	1.1	JS	6.5	1.1	ug/Kg	02/01/15	JLI	SW8260
o-Xylene	ND		6.5	2.5	ug/Kg	02/01/15	JLI	SW8260
Styrene	ND		6.5	1.9	ug/Kg	02/01/15	JLI	SW8260
tert-butyl alcohol	ND		130	130	ug/Kg	02/01/15	JLI	SW8260
Tetrachloroethene	ND		6.5	1.4	ug/Kg	02/01/15	JLI	SW8260
Toluene	68	J	280	44	ug/Kg	01/31/15	JLI	SW8260
Total Xylenes	ND		280	280	ug/Kg	01/31/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		6.5	1.3	ug/Kg	02/01/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		6.5	1.3	ug/Kg	02/01/15	JLI	SW8260
Trichloroethene	ND		6.5	1.4	ug/Kg	02/01/15	JLI	SW8260
Trichlorofluoromethane	ND		6.5	1.4	ug/Kg	02/01/15	JLI	SW8260
Trichlorotrifluoroethane	ND		6.5	1.0	ug/Kg	02/01/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 5 1-2

Phoenix I.D.: BH69283

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	6.5	2.1	ug/Kg	02/01/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	101			%	01/31/15	JLI	70 - 130 %	
% Bromofluorobenzene	96			%	01/31/15	JLI	70 - 130 %	
% Dibromofluoromethane	106			%	02/01/15	JLI	70 - 130 %	
% Toluene-d8	96			%	02/01/15	JLI	70 - 130 %	
Vinyl Acetate	ND	65	65	ug/Kg	02/01/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
February 06, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 06, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	01/30/15	9:00
Location Code:	IMPACT	Received by:	SW	01/30/15	17:25
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH69277
Phoenix ID: BH69284

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 5 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.33	0.33	0.33	mg/Kg	02/01/15	LK	SW6010	
Aluminum	3050	49	6.6	mg/Kg	02/01/15	LK	SW6010	
Arsenic	4.6	0.7	0.66	mg/Kg	02/01/15	LK	SW6010	
Barium	54.0	0.33	0.33	mg/Kg	02/01/15	LK	SW6010	
Beryllium	0.36	0.26	0.13	mg/Kg	02/01/15	LK	SW6010	
Calcium	2100	4.9	3.0	mg/Kg	02/01/15	LK	SW6010	
Cadmium	< 0.33	0.33	0.13	mg/Kg	02/01/15	LK	SW6010	
Cobalt	5.87	0.33	0.33	mg/Kg	02/01/15	LK	SW6010	
Chromium	9.22	0.33	0.33	mg/Kg	02/01/15	LK	SW6010	
Copper	23.7	0.33	0.33	mg/kg	02/01/15	LK	SW6010	
Iron	6870	4.9	3.3	mg/Kg	02/01/15	LK	SW6010	
Mercury	0.07	0.03	0.02	mg/Kg	02/02/15	RS	SW-7471	
Potassium	602	4.9	2.6	mg/Kg	02/01/15	LK	SW6010	
Magnesium	1220	4.9	3.3	mg/Kg	02/01/15	LK	SW6010	
Manganese	158	3.3	3.3	mg/Kg	02/01/15	LK	SW6010	
Sodium	1370	4.9	2.8	mg/Kg	02/01/15	LK	SW6010	
Nickel	17.7	0.33	0.33	mg/Kg	02/01/15	LK	SW6010	
Lead	110	0.33	0.33	mg/Kg	02/01/15	LK	SW6010	
Antimony	< 3.3	3.3	1.6	mg/Kg	02/01/15	LK	SW6010	
Selenium	< 1.3	1.3	1.1	mg/Kg	02/01/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/01/15	LK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/01/15	LK	SW6010	
TCLP Barium	0.53	0.10	0.010	mg/L	02/01/15	LK	SW6010	B
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/01/15	LK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/01/15	LK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/02/15	RS	SW7470	
TCLP Lead	0.20	0.10	0.010	mg/L	02/01/15	LK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/01/15	LK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 5 COMP

Phoenix I.D.: BH69284

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.0	3.0	1.3	mg/Kg	02/01/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/01/15	I/I	SW3005	
Trivalent Chromium	9.22	0.50		mg/kg	02/03/15	CL	Calculation	
Vanadium	12.3	0.33	0.33	mg/Kg	02/01/15	LK	SW6010	
Zinc	78.9	0.33	0.33	mg/Kg	02/01/15	LK	SW6010	
Percent Solid	94			%	01/30/15	I	SW846	
Corrosivity	Negative			Pos/Neg	01/30/15	DH/KDB	SW846	1
Flash Point	>200	200		degree F	02/02/15	Y	SW1010	
Chromium, Hexavalent	< 0.43	0.43	0.43	mg/Kg	02/03/15 11:56	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/02/15	Y	SW846	1
pH - Soil	9.18	0.10		pH Units	01/30/15 19:30	DH/KDB	4500-H B/9045	1
Reactivity Cyanide	< 5.3	5.3	0.027	mg/Kg	01/30/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/02/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/02/15	EG	SW 846-7.3	1
Redox Potential	230	1.0		mV	01/30/15	DH/KDB	SM2580B	1
Total Cyanide	< 0.53	0.53	0.27	mg/Kg	01/30/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				01/30/15	JC	SW3545	
Soil Extraction for Pesticide	Completed				01/30/15	JC/H	SW3545	
Soil Extraction for SVOA	Completed				01/30/15	BJ/VH	SW3545	
Mercury Digestion	Completed				02/01/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/03/15	P/D	SW8151	
TCLP Digestion Mercury	Completed				02/01/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/03/15	W/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				01/30/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				01/30/15	I	1311	
TCLP Pesticides Extraction	Completed				02/03/15	L	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/03/15	L	SW3510	
TCLP Extraction Volatiles	Completed				01/30/15	Y	EPA 1311	
Total Metals Digest	Completed				01/30/15	AG	SW846 - 3050	
Extraction of TPH SM	Completed				01/30/15	CC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	44	44	ug/Kg	02/04/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	44	44	ug/Kg	02/04/15	BB	SW8151	
2,4-D	ND	44	44	ug/Kg	02/04/15	BB	SW8151	
2,4-DB	ND	440	440	ug/Kg	02/04/15	BB	SW8151	
Dalapon	ND	44	44	ug/Kg	02/04/15	BB	SW8151	
Dicamba	ND	88	88	ug/Kg	02/04/15	BB	SW8151	
Dichloroprop	ND	44	44	ug/Kg	02/04/15	BB	SW8151	
Dinoseb	ND	88	88	ug/Kg	02/04/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	67			%	02/04/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	69	69	ug/Kg	01/31/15	AW	SW 8082	
PCB-1221	ND	69	69	ug/Kg	01/31/15	AW	SW 8082	
PCB-1232	ND	69	69	ug/Kg	01/31/15	AW	SW 8082	
PCB-1242	ND	69	69	ug/Kg	01/31/15	AW	SW 8082	
PCB-1248	ND	69	69	ug/Kg	01/31/15	AW	SW 8082	
PCB-1254	ND	69	69	ug/Kg	01/31/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 5 COMP

Phoenix I.D.: BH69284

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	69	69	ug/Kg	01/31/15	AW	SW 8082
PCB-1262	ND	69	69	ug/Kg	01/31/15	AW	SW 8082
PCB-1268	ND	69	69	ug/Kg	01/31/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	98			%	01/31/15	AW	30 - 150 %
% TCMX	80			%	01/31/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.1	2.1	ug/Kg	02/01/15	CE	SW8081
4,4' -DDE	ND	2.1	2.1	ug/Kg	02/01/15	CE	SW8081
4,4' -DDT	ND	2.1	2.1	ug/Kg	02/01/15	CE	SW8081
a-BHC	ND	6.9	6.9	ug/Kg	02/01/15	CE	SW8081
a-Chlordane	ND	3.4	3.4	ug/Kg	02/01/15	CE	SW8081
Aldrin	ND	3.4	3.4	ug/Kg	02/01/15	CE	SW8081
b-BHC	ND	6.9	6.9	ug/Kg	02/01/15	CE	SW8081
Chlordane	ND	34	34	ug/Kg	02/01/15	CE	SW8081
d-BHC	ND	6.9	6.9	ug/Kg	02/01/15	CE	SW8081
Dieldrin	ND	3.4	3.4	ug/Kg	02/01/15	CE	SW8081
Endosulfan I	ND	6.9	6.9	ug/Kg	02/01/15	CE	SW8081
Endosulfan II	ND	6.9	6.9	ug/Kg	02/01/15	CE	SW8081
Endosulfan sulfate	ND	6.9	6.9	ug/Kg	02/01/15	CE	SW8081
Endrin	ND	6.9	6.9	ug/Kg	02/01/15	CE	SW8081
Endrin aldehyde	ND	6.9	6.9	ug/Kg	02/01/15	CE	SW8081
Endrin ketone	ND	6.9	6.9	ug/Kg	02/01/15	CE	SW8081
g-BHC	ND	1.4	1.4	ug/Kg	02/01/15	CE	SW8081
g-Chlordane	ND	3.4	3.4	ug/Kg	02/01/15	CE	SW8081
Heptachlor	ND	6.9	6.9	ug/Kg	02/01/15	CE	SW8081
Heptachlor epoxide	ND	6.9	6.9	ug/Kg	02/01/15	CE	SW8081
Methoxychlor	ND	34	34	ug/Kg	02/01/15	CE	SW8081
Toxaphene	ND	140	140	ug/Kg	02/01/15	CE	SW8081
QA/QC Surrogates							
% DCBP	86			%	02/01/15	CE	30 - 150 %
% TCMX	90			%	02/01/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/04/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/04/15	BB	SW8151
QA/QC Surrogates							
% DCAA	75			%	02/04/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/04/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/04/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/04/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/04/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/04/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/04/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/04/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/04/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/04/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/04/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/04/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/04/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/04/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/04/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/04/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/04/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/04/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/04/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/04/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/04/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	102			%	02/04/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	84			%	02/04/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	53	53	mg/Kg	01/31/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	71			%	01/31/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/03/15	HM	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/03/15	HM	SW8260
Benzene	ND	25	25	ug/L	02/03/15	HM	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/03/15	HM	SW8260
Chlorobenzene	ND	25	25	ug/L	02/03/15	HM	SW8260
Chloroform	ND	25	25	ug/L	02/03/15	HM	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/03/15	HM	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/03/15	HM	SW8260
Trichloroethene	ND	25	25	ug/L	02/03/15	HM	SW8260
Vinyl chloride	ND	25	25	ug/L	02/03/15	HM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99			%	02/03/15	HM	70 - 130 %
% Bromofluorobenzene	101			%	02/03/15	HM	70 - 130 %
% Dibromofluoromethane	90			%	02/03/15	HM	70 - 130 %
% Toluene-d8	99			%	02/03/15	HM	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	240	110	ug/Kg	01/31/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	01/31/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	350	350	ug/Kg	01/31/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	240	160	ug/Kg	01/31/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	01/31/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	01/31/15	DD	SW 8270
2,4-Dichlorophenol	ND	140	120	ug/Kg	01/31/15	DD	SW 8270
2,4-Dimethylphenol	ND	240	86	ug/Kg	01/31/15	DD	SW 8270
2,4-Dinitrophenol	ND	240	240	ug/Kg	01/31/15	DD	SW 8270
2,4-Dinitrotoluene	ND	140	140	ug/Kg	01/31/15	DD	SW 8270
2,6-Dinitrotoluene	ND	140	110	ug/Kg	01/31/15	DD	SW 8270
2-Chloronaphthalene	ND	240	98	ug/Kg	01/31/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 5 COMP

Phoenix I.D.: BH69284

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		240	98	ug/Kg	01/31/15	DD	SW 8270	
2-Methylnaphthalene	110	J	240	100	ug/Kg	01/31/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		240	160	ug/Kg	01/31/15	DD	SW 8270	
2-Nitroaniline	ND		1700	350	ug/Kg	01/31/15	DD	SW 8270	
2-Nitrophenol	ND		240	220	ug/Kg	01/31/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		240	140	ug/Kg	01/31/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		140	160	ug/Kg	01/31/15	DD	SW 8270	
3-Nitroaniline	ND		1700	750	ug/Kg	01/31/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		240	370	ug/Kg	01/31/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		240	100	ug/Kg	01/31/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		240	120	ug/Kg	01/31/15	DD	SW 8270	
4-Chloroaniline	ND		690	160	ug/Kg	01/31/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		240	120	ug/Kg	01/31/15	DD	SW 8270	
4-Nitroaniline	ND		1700	120	ug/Kg	01/31/15	DD	SW 8270	
4-Nitrophenol	ND		1700	160	ug/Kg	01/31/15	DD	SW 8270	
Acenaphthene	ND		240	110	ug/Kg	01/31/15	DD	SW 8270	
Acenaphthylene	ND		140	97	ug/Kg	01/31/15	DD	SW 8270	
Acetophenone	ND		240	110	ug/Kg	01/31/15	DD	SW 8270	
Anthracene	320		240	110	ug/Kg	01/31/15	DD	SW 8270	
Atrazine	ND		140	160	ug/Kg	01/31/15	DD	SW 8270	
Benz(a)anthracene	550		240	120	ug/Kg	01/31/15	DD	SW 8270	
Benzaldehyde	ND		240	100	ug/Kg	01/31/15	DD	SW 8270	
Benzidine	ND		520	520	ug/Kg	01/31/15	DD	SW 8270	
Benzo(a)pyrene	570		140	110	ug/Kg	01/31/15	DD	SW 8270	
Benzo(b)fluoranthene	790		240	120	ug/Kg	01/31/15	DD	SW 8270	
Benzo(ghi)perylene	320		240	110	ug/Kg	01/31/15	DD	SW 8270	
Benzo(k)fluoranthene	250		240	120	ug/Kg	01/31/15	DD	SW 8270	
Benzyl Alcohol	ND		350	350	ug/Kg	01/31/15	DD	SW 8270	
Benzyl butyl phthalate	ND		240	89	ug/Kg	01/31/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		240	96	ug/Kg	01/31/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		140	94	ug/Kg	01/31/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		240	96	ug/Kg	01/31/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		240	100	ug/Kg	01/31/15	DD	SW 8270	
Caprolactam	ND		240	620	ug/Kg	01/31/15	DD	SW 8270	
Carbazole	ND		1700	260	ug/Kg	01/31/15	DD	SW 8270	
Chrysene	550		240	120	ug/Kg	01/31/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		140	110	ug/Kg	01/31/15	DD	SW 8270	
Dibenzofuran	110	J	240	100	ug/Kg	01/31/15	DD	SW 8270	
Diethyl phthalate	ND		240	110	ug/Kg	01/31/15	DD	SW 8270	
Dimethylphthalate	ND		240	110	ug/Kg	01/31/15	DD	SW 8270	
Di-n-butylphthalate	ND		240	92	ug/Kg	01/31/15	DD	SW 8270	
Di-n-octylphthalate	ND		240	89	ug/Kg	01/31/15	DD	SW 8270	
Fluoranthene	1500		240	110	ug/Kg	01/31/15	DD	SW 8270	
Fluorene	140	J	240	110	ug/Kg	01/31/15	DD	SW 8270	
Hexachlorobenzene	ND		140	100	ug/Kg	01/31/15	DD	SW 8270	
Hexachlorobutadiene	ND		240	130	ug/Kg	01/31/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		240	110	ug/Kg	01/31/15	DD	SW 8270	
Hexachloroethane	ND		140	100	ug/Kg	01/31/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	310		240	120	ug/Kg	01/31/15	DD	SW 8270	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 5 COMP

Phoenix I.D.: BH69284

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND		140	97	ug/Kg	01/31/15	DD	SW 8270	
Naphthalene	110	J	240	100	ug/Kg	01/31/15	DD	SW 8270	
Nitrobenzene	ND		140	120	ug/Kg	01/31/15	DD	SW 8270	
N-Nitrosodimethylamine	ND		240	98	ug/Kg	01/31/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		140	110	ug/Kg	01/31/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND		140	130	ug/Kg	01/31/15	DD	SW 8270	
Pentachlorophenol	ND		240	130	ug/Kg	01/31/15	DD	SW 8270	
Phenanthrene	1200		140	99	ug/Kg	01/31/15	DD	SW 8270	
Phenol	ND		240	110	ug/Kg	01/31/15	DD	SW 8270	
Pyrene	1300		240	120	ug/Kg	01/31/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	77				%	01/31/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	75				%	01/31/15	DD	30 - 130 %	
% 2-Fluorophenol	66				%	01/31/15	DD	30 - 130 %	
% Nitrobenzene-d5	73				%	01/31/15	DD	30 - 130 %	
% Phenol-d5	74				%	01/31/15	DD	30 - 130 %	
% Terphenyl-d14	96				%	01/31/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral									
1,4-Dichlorobenzene	ND		83	83	ug/L	02/04/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND		83	83	ug/L	02/04/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND		83	83	ug/L	02/04/15	DD	SW 8270	
2,4-Dinitrotoluene	ND		83	83	ug/L	02/04/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		83	83	ug/L	02/04/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND		83	83	ug/L	02/04/15	DD	SW 8270	
Hexachlorobenzene	ND		83	83	ug/L	02/04/15	DD	SW 8270	
Hexachlorobutadiene	ND		83	83	ug/L	02/04/15	DD	SW 8270	
Hexachloroethane	ND		83	83	ug/L	02/04/15	DD	SW 8270	
Nitrobenzene	ND		83	83	ug/L	02/04/15	DD	SW 8270	
Pentachlorophenol	ND		83	83	ug/L	02/04/15	DD	SW 8270	
Pyridine	ND		83	83	ug/L	02/04/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	89				%	02/04/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	67				%	02/04/15	DD	30 - 130 %	
% 2-Fluorophenol	53				%	02/04/15	DD	15 - 110 %	
% Nitrobenzene-d5	71				%	02/04/15	DD	30 - 130 %	
% Phenol-d5	45				%	02/04/15	DD	15 - 110 %	
% Terphenyl-d14	115				%	02/04/15	DD	30 - 130 %	
Aniline	ND		330		ug/Kg	02/02/15	DD	SW8270	
Benzoic Acid	ND		330		ug/Kg	02/02/15	DD	SW8270	1
Parathion	ND		350	140	ug/Kg	01/31/15	DD	SW8270	1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
February 06, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 06, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	01/30/15	9:30
Location Code:	IMPACT	Received by:	SW	01/30/15	17:25
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH69277
Phoenix ID: BH69285

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 9 2-3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	01/30/15	I	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	3.7	0.74	ug/Kg	02/01/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	3.7	0.74	ug/Kg	02/01/15	JLI	SW8260
1,3-Dichlorobenzene	ND	3.7	0.74	ug/Kg	02/01/15	JLI	SW8260
Naphthalene	ND	250	66	ug/Kg	02/01/15	JLI	SW8260
n-Butylbenzene	ND	250	49	ug/Kg	02/01/15	JLI	SW8260
n-Propylbenzene	ND	3.7	0.74	ug/Kg	02/01/15	JLI	SW8260
p-Isopropyltoluene	ND	3.7	0.74	ug/Kg	02/01/15	JLI	SW8260
sec-Butylbenzene	ND	3.7	0.74	ug/Kg	02/01/15	JLI	SW8260
tert-Butylbenzene	ND	3.7	0.74	ug/Kg	02/01/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100			%	02/01/15	JLI	SW8260
% Bromofluorobenzene	80			%	02/01/15	JLI	SW8260
% Dibromofluoromethane	102			%	02/01/15	JLI	SW8260
% Toluene-d8	96			%	02/01/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	74	74	ug/kg	02/01/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	3.7	3.7	ug/Kg	02/01/15	JLI	SW8260
1,1,1-Trichloroethane	ND	3.7	3.7	ug/Kg	02/01/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	3.7	3.7	ug/Kg	02/01/15	JLI	SW8260
1,1,2-Trichloroethane	ND	3.7	3.7	ug/Kg	02/01/15	JLI	SW8260
1,1-Dichloroethane	ND	3.7	3.7	ug/Kg	02/01/15	JLI	SW8260
1,1-Dichloroethene	ND	3.7	3.7	ug/Kg	02/01/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 9 2-3

Phoenix I.D.: BH69285

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND	250	33	ug/Kg	02/01/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND	250	29	ug/Kg	02/01/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	250	66	ug/Kg	02/01/15	JLI	SW8260
1,2-Dibromoethane	ND	3.7	3.7	ug/Kg	02/01/15	JLI	SW8260
1,2-Dichlorobenzene	ND	250	27	ug/Kg	02/01/15	JLI	SW8260
1,2-Dichloroethane	ND	3.7	3.7	ug/Kg	02/01/15	JLI	SW8260
1,2-Dichloropropane	ND	3.7	3.7	ug/Kg	02/01/15	JLI	SW8260
1,3-Dichlorobenzene	ND	250	36	ug/Kg	02/01/15	JLI	SW8260
1,4-Dichlorobenzene	ND	250	39	ug/Kg	02/01/15	JLI	SW8260
2-Hexanone	ND	19	19	ug/Kg	02/01/15	JLI	SW8260
4-Methyl-2-pentanone	ND	19	19	ug/Kg	02/01/15	JLI	SW8260
Acetone	ND	37	37	ug/Kg	02/01/15	JLI	SW8260
Acrolein	ND	19	19	ug/Kg	02/01/15	JLI	SW8260
Acrylonitrile	ND	7.4	7.4	ug/Kg	02/01/15	JLI	SW8260
Benzene	ND	3.7	3.7	ug/Kg	02/01/15	JLI	SW8260
Bromochloromethane	ND	3.7	3.7	ug/Kg	02/01/15	JLI	SW8260
Bromodichloromethane	ND	3.7	3.7	ug/Kg	02/01/15	JLI	SW8260
Bromoform	ND	3.7	3.7	ug/Kg	02/01/15	JLI	SW8260
Bromomethane	ND	3.7	3.7	ug/Kg	02/01/15	JLI	SW8260
Carbon Disulfide	ND	3.7	3.7	ug/Kg	02/01/15	JLI	SW8260
Carbon tetrachloride	ND	3.7	3.7	ug/Kg	02/01/15	JLI	SW8260
Chlorobenzene	ND	3.7	3.7	ug/Kg	02/01/15	JLI	SW8260
Chloroethane	ND	3.7	3.7	ug/Kg	02/01/15	JLI	SW8260
Chloroform	ND	3.7	3.7	ug/Kg	02/01/15	JLI	SW8260
Chloromethane	ND	3.7	3.7	ug/Kg	02/01/15	JLI	SW8260
cis-1,2-Dichloroethene	ND	3.7	3.7	ug/Kg	02/01/15	JLI	SW8260
cis-1,3-Dichloropropene	ND	3.7	3.7	ug/Kg	02/01/15	JLI	SW8260
Cyclohexane	ND	3.7	3.7	ug/Kg	02/01/15	JLI	SW8260
Dibromochloromethane	ND	3.7	3.7	ug/Kg	02/01/15	JLI	SW8260
Dichlorodifluoromethane	ND	3.7	3.7	ug/Kg	02/01/15	JLI	SW8260
Ethylbenzene	ND	3.7	3.7	ug/Kg	02/01/15	JLI	SW8260
Isopropylbenzene	ND	250	47	ug/Kg	02/01/15	JLI	SW8260
m&p-Xylene	ND	3.7	3.7	ug/Kg	02/01/15	JLI	SW8260
Methyl ethyl ketone	ND	22	22	ug/Kg	02/01/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	7.4	7.4	ug/Kg	02/01/15	JLI	SW8260
Methylacetate	ND	3.7	3.7	ug/Kg	02/01/15	JLI	SW8260
Methylcyclohexane	ND	3.7	3.7	ug/Kg	02/01/15	JLI	SW8260
Methylene chloride	ND	3.7	3.7	ug/Kg	02/01/15	JLI	SW8260
o-Xylene	ND	3.7	3.7	ug/Kg	02/01/15	JLI	SW8260
Styrene	ND	3.7	3.7	ug/Kg	02/01/15	JLI	SW8260
tert-butyl alcohol	ND	74	74	ug/Kg	02/01/15	JLI	SW8260
Tetrachloroethene	ND	3.7	3.7	ug/Kg	02/01/15	JLI	SW8260
Toluene	ND	3.7	3.7	ug/Kg	02/01/15	JLI	SW8260
Total Xylenes	ND	3.7	3.7	ug/Kg	02/01/15	JLI	SW8260
trans-1,2-Dichloroethene	ND	3.7	3.7	ug/Kg	02/01/15	JLI	SW8260
trans-1,3-Dichloropropene	ND	3.7	3.7	ug/Kg	02/01/15	JLI	SW8260
Trichloroethene	ND	3.7	3.7	ug/Kg	02/01/15	JLI	SW8260
Trichlorofluoromethane	ND	3.7	3.7	ug/Kg	02/01/15	JLI	SW8260
Trichlorotrifluoroethane	ND	3.7	3.7	ug/Kg	02/01/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 9 2-3

Phoenix I.D.: BH69285

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	3.7	3.7	ug/Kg	02/01/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	02/01/15	JLI	70 - 130 %	
% Bromofluorobenzene	97			%	02/01/15	JLI	70 - 130 %	
Vinyl Acetate	ND	37	37	ug/Kg	02/01/15	JLI	SW8260TIC	1

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

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

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
February 06, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 06, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	01/30/15	9:30
Location Code:	IMPACT	Received by:	SW	01/30/15	17:25
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH69277
Phoenix ID: BH69286

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 9 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.34	0.34	0.34	mg/Kg	02/01/15	LK	SW6010	
Aluminum	9200	51	6.8	mg/Kg	02/01/15	LK	SW6010	
Arsenic	7.0	0.7	0.68	mg/Kg	02/01/15	LK	SW6010	
Barium	173	0.34	0.34	mg/Kg	02/01/15	LK	SW6010	
Beryllium	0.50	0.27	0.14	mg/Kg	02/01/15	LK	SW6010	
Calcium	18800	51	31	mg/Kg	02/01/15	LK	SW6010	
Cadmium	< 0.34	0.34	0.14	mg/Kg	02/01/15	LK	SW6010	
Cobalt	7.06	0.34	0.34	mg/Kg	02/01/15	LK	SW6010	
Chromium	18.6	0.34	0.34	mg/Kg	02/01/15	LK	SW6010	
Copper	29.2	0.34	0.34	mg/kg	02/01/15	LK	SW6010	
Iron	15100	51	34	mg/Kg	02/01/15	LK	SW6010	
Mercury	0.08	0.03	0.02	mg/Kg	02/02/15	RS	SW-7471	
Potassium	1050	5.1	2.7	mg/Kg	02/01/15	LK	SW6010	
Magnesium	4670	5.1	3.4	mg/Kg	02/01/15	LK	SW6010	
Manganese	193	3.4	3.4	mg/Kg	02/01/15	LK	SW6010	
Sodium	2950	5.1	2.9	mg/Kg	02/01/15	LK	SW6010	
Nickel	24.5	0.34	0.34	mg/Kg	02/01/15	LK	SW6010	
Lead	232	3.4	3.4	mg/Kg	02/01/15	LK	SW6010	
Antimony	< 3.4	3.4	1.7	mg/Kg	02/01/15	LK	SW6010	
Selenium	< 1.4	1.4	1.2	mg/Kg	02/01/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/01/15	LK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/01/15	LK	SW6010	
TCLP Barium	0.59	0.10	0.010	mg/L	02/01/15	LK	SW6010	B
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/01/15	LK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/01/15	LK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/02/15	RS	SW7470	
TCLP Lead	0.69	0.10	0.010	mg/L	02/01/15	LK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/01/15	LK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 9 COMP

Phoenix I.D.: BH69286

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.1	3.1	1.4	mg/Kg	02/01/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/01/15	I/I	SW3005	
Trivalent Chromium	18.0	0.50		mg/kg	02/03/15	CL	Calculation	
Vanadium	23.2	0.34	0.34	mg/Kg	02/01/15	LK	SW6010	
Zinc	188	3.4	3.4	mg/Kg	02/01/15	LK	SW6010	
Percent Solid	86			%	01/30/15	I	SW846	
Corrosivity	Negative			Pos/Neg	01/30/15	DH/KDB	SW846	1
Flash Point	>200	200		degree F	02/02/15	Y	SW1010	
Chromium, Hexavalent	0.560	0.47	0.47	mg/Kg	02/03/15 11:56	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/02/15	Y	SW846	1
pH - Soil	9.84	0.10		pH Units	01/30/15 19:30	DH/KDB	4500-H B/9045	1
Reactivity Cyanide	< 5.6	5.6	0.028	mg/Kg	01/30/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/02/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/02/15	EG	SW 846-7.3	1
Redox Potential	200	1.0		mV	01/30/15	DH/KDB	SM2580B	1
Total Cyanide	< 0.53	0.53	0.26	mg/Kg	01/30/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				01/30/15	JC	SW3545	
Soil Extraction for Pesticide	Completed				01/30/15	JC/H	SW3545	
Soil Extraction for SVOA	Completed				01/30/15	BJ/VH	SW3545	
Mercury Digestion	Completed				02/01/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/03/15	P/D	SW8151	
TCLP Digestion Mercury	Completed				02/01/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/03/15	W/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				01/30/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				01/30/15	I	1311	
TCLP Pesticides Extraction	Completed				02/03/15	L	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/03/15	L	SW3510	
TCLP Extraction Volatiles	Completed				01/30/15	Y	EPA 1311	
Total Metals Digest	Completed				01/30/15	AG	SW846 - 3050	
Extraction of TPH SM	Completed				01/30/15	CC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	48	48	ug/Kg	02/04/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	48	48	ug/Kg	02/04/15	BB	SW8151	
2,4-D	ND	48	48	ug/Kg	02/04/15	BB	SW8151	
2,4-DB	ND	480	480	ug/Kg	02/04/15	BB	SW8151	
Dalapon	ND	48	48	ug/Kg	02/04/15	BB	SW8151	
Dicamba	ND	96	96	ug/Kg	02/04/15	BB	SW8151	
Dichloroprop	ND	48	48	ug/Kg	02/04/15	BB	SW8151	
Dinoseb	ND	96	96	ug/Kg	02/04/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	63			%	02/04/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	77	77	ug/Kg	01/31/15	AW	SW 8082	
PCB-1221	ND	77	77	ug/Kg	01/31/15	AW	SW 8082	
PCB-1232	ND	77	77	ug/Kg	01/31/15	AW	SW 8082	
PCB-1242	ND	77	77	ug/Kg	01/31/15	AW	SW 8082	
PCB-1248	ND	77	77	ug/Kg	01/31/15	AW	SW 8082	
PCB-1254	ND	77	77	ug/Kg	01/31/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 9 COMP

Phoenix I.D.: BH69286

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	77	77	ug/Kg	01/31/15	AW	SW 8082
PCB-1262	ND	77	77	ug/Kg	01/31/15	AW	SW 8082
PCB-1268	ND	77	77	ug/Kg	01/31/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	93			%	01/31/15	AW	30 - 150 %
% TCMX	60			%	01/31/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.3	2.3	ug/Kg	01/31/15	CE	SW8081
4,4' -DDE	ND	2.3	2.3	ug/Kg	01/31/15	CE	SW8081
4,4' -DDT	ND	2.3	2.3	ug/Kg	01/31/15	CE	SW8081
a-BHC	ND	7.7	7.7	ug/Kg	01/31/15	CE	SW8081
a-Chlordane	ND	3.8	3.8	ug/Kg	01/31/15	CE	SW8081
Aldrin	ND	3.8	3.8	ug/Kg	01/31/15	CE	SW8081
b-BHC	ND	7.7	7.7	ug/Kg	01/31/15	CE	SW8081
Chlordane	ND	38	38	ug/Kg	01/31/15	CE	SW8081
d-BHC	ND	7.7	7.7	ug/Kg	01/31/15	CE	SW8081
Dieldrin	ND	3.8	3.8	ug/Kg	01/31/15	CE	SW8081
Endosulfan I	ND	7.7	7.7	ug/Kg	01/31/15	CE	SW8081
Endosulfan II	ND	7.7	7.7	ug/Kg	01/31/15	CE	SW8081
Endosulfan sulfate	ND	7.7	7.7	ug/Kg	01/31/15	CE	SW8081
Endrin	ND	7.7	7.7	ug/Kg	01/31/15	CE	SW8081
Endrin aldehyde	ND	7.7	7.7	ug/Kg	01/31/15	CE	SW8081
Endrin ketone	ND	7.7	7.7	ug/Kg	01/31/15	CE	SW8081
g-BHC	ND	1.5	1.5	ug/Kg	01/31/15	CE	SW8081
g-Chlordane	ND	3.8	3.8	ug/Kg	01/31/15	CE	SW8081
Heptachlor	ND	7.7	7.7	ug/Kg	01/31/15	CE	SW8081
Heptachlor epoxide	ND	7.7	7.7	ug/Kg	01/31/15	CE	SW8081
Methoxychlor	ND	38	38	ug/Kg	01/31/15	CE	SW8081
Toxaphene	ND	150	150	ug/Kg	01/31/15	CE	SW8081
QA/QC Surrogates							
% DCBP	82			%	01/31/15	CE	30 - 150 %
% TCMX	54			%	01/31/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/04/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/04/15	BB	SW8151
QA/QC Surrogates							
% DCAA	77			%	02/04/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/04/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/04/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/04/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/04/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/04/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/04/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/04/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/04/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/04/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/04/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/04/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/04/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/04/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/04/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/04/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/04/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/04/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/04/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/04/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/04/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	98			%	02/04/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	82			%	02/04/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	57	57	mg/Kg	01/31/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	84			%	01/31/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/03/15	HM	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/03/15	HM	SW8260
Benzene	ND	25	25	ug/L	02/03/15	HM	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/03/15	HM	SW8260
Chlorobenzene	ND	25	25	ug/L	02/03/15	HM	SW8260
Chloroform	ND	25	25	ug/L	02/03/15	HM	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/03/15	HM	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/03/15	HM	SW8260
Trichloroethene	ND	25	25	ug/L	02/03/15	HM	SW8260
Vinyl chloride	ND	25	25	ug/L	02/03/15	HM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100			%	02/03/15	HM	70 - 130 %
% Bromofluorobenzene	105			%	02/03/15	HM	70 - 130 %
% Dibromofluoromethane	90			%	02/03/15	HM	70 - 130 %
% Toluene-d8	98			%	02/03/15	HM	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	270	120	ug/Kg	01/31/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	270	130	ug/Kg	01/31/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	380	380	ug/Kg	01/31/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	270	180	ug/Kg	01/31/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	270	210	ug/Kg	01/31/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	01/31/15	DD	SW 8270
2,4-Dichlorophenol	ND	150	130	ug/Kg	01/31/15	DD	SW 8270
2,4-Dimethylphenol	ND	270	94	ug/Kg	01/31/15	DD	SW 8270
2,4-Dinitrophenol	ND	270	270	ug/Kg	01/31/15	DD	SW 8270
2,4-Dinitrotoluene	ND	150	150	ug/Kg	01/31/15	DD	SW 8270
2,6-Dinitrotoluene	ND	150	120	ug/Kg	01/31/15	DD	SW 8270
2-Chloronaphthalene	ND	270	110	ug/Kg	01/31/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 9 COMP

Phoenix I.D.: BH69286

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		270	110	ug/Kg	01/31/15	DD	SW 8270	
2-Methylnaphthalene	ND		270	110	ug/Kg	01/31/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		270	180	ug/Kg	01/31/15	DD	SW 8270	
2-Nitroaniline	ND		1900	380	ug/Kg	01/31/15	DD	SW 8270	
2-Nitrophenol	ND		270	240	ug/Kg	01/31/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		270	150	ug/Kg	01/31/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		150	180	ug/Kg	01/31/15	DD	SW 8270	
3-Nitroaniline	ND		1900	830	ug/Kg	01/31/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		270	410	ug/Kg	01/31/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		270	110	ug/Kg	01/31/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		270	130	ug/Kg	01/31/15	DD	SW 8270	
4-Chloroaniline	ND		760	180	ug/Kg	01/31/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		270	130	ug/Kg	01/31/15	DD	SW 8270	
4-Nitroaniline	ND		1900	130	ug/Kg	01/31/15	DD	SW 8270	
4-Nitrophenol	ND		1900	170	ug/Kg	01/31/15	DD	SW 8270	
Acenaphthene	ND		270	120	ug/Kg	01/31/15	DD	SW 8270	
Acenaphthylene	ND		150	110	ug/Kg	01/31/15	DD	SW 8270	
Acetophenone	ND		270	120	ug/Kg	01/31/15	DD	SW 8270	
Anthracene	ND		270	120	ug/Kg	01/31/15	DD	SW 8270	
Atrazine	ND		150	170	ug/Kg	01/31/15	DD	SW 8270	
Benz(a)anthracene	ND		270	130	ug/Kg	01/31/15	DD	SW 8270	
Benzaldehyde	ND		270	110	ug/Kg	01/31/15	DD	SW 8270	
Benzidine	ND		570	570	ug/Kg	01/31/15	DD	SW 8270	
Benzo(a)pyrene	ND		150	120	ug/Kg	01/31/15	DD	SW 8270	
Benzo(b)fluoranthene	150	J	270	130	ug/Kg	01/31/15	DD	SW 8270	
Benzo(ghi)perylene	ND		270	120	ug/Kg	01/31/15	DD	SW 8270	
Benzo(k)fluoranthene	ND		270	130	ug/Kg	01/31/15	DD	SW 8270	
Benzyl Alcohol	ND		380	380	ug/Kg	01/31/15	DD	SW 8270	
Benzyl butyl phthalate	ND		270	98	ug/Kg	01/31/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		270	110	ug/Kg	01/31/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		150	100	ug/Kg	01/31/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		270	110	ug/Kg	01/31/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		270	110	ug/Kg	01/31/15	DD	SW 8270	
Caprolactam	ND		270	680	ug/Kg	01/31/15	DD	SW 8270	
Carbazole	ND		1900	290	ug/Kg	01/31/15	DD	SW 8270	
Chrysene	ND		270	130	ug/Kg	01/31/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		150	120	ug/Kg	01/31/15	DD	SW 8270	
Dibenzofuran	ND		270	110	ug/Kg	01/31/15	DD	SW 8270	
Diethyl phthalate	ND		270	120	ug/Kg	01/31/15	DD	SW 8270	
Dimethylphthalate	ND		270	120	ug/Kg	01/31/15	DD	SW 8270	
Di-n-butylphthalate	ND		270	100	ug/Kg	01/31/15	DD	SW 8270	
Di-n-octylphthalate	ND		270	98	ug/Kg	01/31/15	DD	SW 8270	
Fluoranthene	260	J	270	120	ug/Kg	01/31/15	DD	SW 8270	
Fluorene	ND		270	130	ug/Kg	01/31/15	DD	SW 8270	
Hexachlorobenzene	ND		150	110	ug/Kg	01/31/15	DD	SW 8270	
Hexachlorobutadiene	ND		270	140	ug/Kg	01/31/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		270	120	ug/Kg	01/31/15	DD	SW 8270	
Hexachloroethane	ND		150	110	ug/Kg	01/31/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND		270	130	ug/Kg	01/31/15	DD	SW 8270	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 9 COMP

Phoenix I.D.: BH69286

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND		150	110	ug/Kg	01/31/15	DD	SW 8270	
Naphthalene	ND		270	110	ug/Kg	01/31/15	DD	SW 8270	
Nitrobenzene	ND		150	130	ug/Kg	01/31/15	DD	SW 8270	
N-Nitrosodimethylamine	ND		270	110	ug/Kg	01/31/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		150	120	ug/Kg	01/31/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND		150	150	ug/Kg	01/31/15	DD	SW 8270	
Pentachlorophenol	ND		270	140	ug/Kg	01/31/15	DD	SW 8270	
Phenanthrene	200		150	110	ug/Kg	01/31/15	DD	SW 8270	
Phenol	ND		270	120	ug/Kg	01/31/15	DD	SW 8270	
Pyrene	210	J	270	130	ug/Kg	01/31/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	80				%	01/31/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	82				%	01/31/15	DD	30 - 130 %	
% 2-Fluorophenol	68				%	01/31/15	DD	30 - 130 %	
% Nitrobenzene-d5	76				%	01/31/15	DD	30 - 130 %	
% Phenol-d5	76				%	01/31/15	DD	30 - 130 %	
% Terphenyl-d14	88				%	01/31/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral									
1,4-Dichlorobenzene	ND		83	83	ug/L	02/04/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND		83	83	ug/L	02/04/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND		83	83	ug/L	02/04/15	DD	SW 8270	
2,4-Dinitrotoluene	ND		83	83	ug/L	02/04/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		83	83	ug/L	02/04/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND		83	83	ug/L	02/04/15	DD	SW 8270	
Hexachlorobenzene	ND		83	83	ug/L	02/04/15	DD	SW 8270	
Hexachlorobutadiene	ND		83	83	ug/L	02/04/15	DD	SW 8270	
Hexachloroethane	ND		83	83	ug/L	02/04/15	DD	SW 8270	
Nitrobenzene	ND		83	83	ug/L	02/04/15	DD	SW 8270	
Pentachlorophenol	ND		83	83	ug/L	02/04/15	DD	SW 8270	
Pyridine	ND		83	83	ug/L	02/04/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	82				%	02/04/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	65				%	02/04/15	DD	30 - 130 %	
% 2-Fluorophenol	52				%	02/04/15	DD	15 - 110 %	
% Nitrobenzene-d5	70				%	02/04/15	DD	30 - 130 %	
% Phenol-d5	44				%	02/04/15	DD	15 - 110 %	
% Terphenyl-d14	102				%	02/04/15	DD	30 - 130 %	
Aniline	ND		330		ug/Kg	02/02/15	DD	SW8270	
Benzoic Acid	ND		330		ug/Kg	02/02/15	DD	SW8270	1
Parathion	ND		380	150	ug/Kg	01/31/15	DD	SW8270	1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
February 06, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 06, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	01/30/15	10:00
Location Code:	IMPACT	Received by:	SW	01/30/15	17:25
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH69277
Phoenix ID: BH69287

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 10 1-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	01/30/15	I	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	4.1	0.81	ug/Kg	02/01/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	4.1	0.81	ug/Kg	02/01/15	JLI	SW8260
1,3-Dichlorobenzene	ND	4.1	0.81	ug/Kg	02/01/15	JLI	SW8260
Naphthalene	ND	4.1	1.1	ug/Kg	02/01/15	JLI	SW8260
n-Butylbenzene	ND	4.1	0.81	ug/Kg	02/01/15	JLI	SW8260
n-Propylbenzene	ND	4.1	0.81	ug/Kg	02/01/15	JLI	SW8260
p-Isopropyltoluene	ND	4.1	0.81	ug/Kg	02/01/15	JLI	SW8260
sec-Butylbenzene	ND	4.1	0.81	ug/Kg	02/01/15	JLI	SW8260
tert-Butylbenzene	ND	4.1	0.81	ug/Kg	02/01/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	104			%	02/01/15	JLI	SW8260
% Bromofluorobenzene	85			%	02/01/15	JLI	SW8260
% Dibromofluoromethane	103			%	02/01/15	JLI	SW8260
% Toluene-d8	97			%	02/01/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	81	81	ug/kg	02/01/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	4.1	0.81	ug/Kg	02/01/15	JLI	SW8260
1,1,1-Trichloroethane	ND	4.1	0.81	ug/Kg	02/01/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	4.1	0.58	ug/Kg	02/01/15	JLI	SW8260
1,1,2-Trichloroethane	ND	4.1	0.40	ug/Kg	02/01/15	JLI	SW8260
1,1-Dichloroethane	ND	4.1	0.80	ug/Kg	02/01/15	JLI	SW8260
1,1-Dichloroethene	ND	4.1	0.88	ug/Kg	02/01/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 10 1-2

Phoenix I.D.: BH69287

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		4.1	0.54	ug/Kg	02/01/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		4.1	0.48	ug/Kg	02/01/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		4.1	1.1	ug/Kg	02/01/15	JLI	SW8260
1,2-Dibromoethane	ND		4.1	1.1	ug/Kg	02/01/15	JLI	SW8260
1,2-Dichlorobenzene	ND		4.1	0.45	ug/Kg	02/01/15	JLI	SW8260
1,2-Dichloroethane	ND		4.1	0.36	ug/Kg	02/01/15	JLI	SW8260
1,2-Dichloropropane	ND		4.1	0.58	ug/Kg	02/01/15	JLI	SW8260
1,3-Dichlorobenzene	ND		4.1	0.60	ug/Kg	02/01/15	JLI	SW8260
1,4-Dichlorobenzene	ND		4.1	0.64	ug/Kg	02/01/15	JLI	SW8260
2-Hexanone	ND		20	1.8	ug/Kg	02/01/15	JLI	SW8260
4-Methyl-2-pentanone	ND		20	0.96	ug/Kg	02/01/15	JLI	SW8260
Acetone	ND		41	4.0	ug/Kg	02/01/15	JLI	SW8260
Acrolein	ND		20	3.2	ug/Kg	02/01/15	JLI	SW8260
Acrylonitrile	ND		8.1	2.3	ug/Kg	02/01/15	JLI	SW8260
Benzene	ND		4.1	0.80	ug/Kg	02/01/15	JLI	SW8260
Bromochloromethane	ND		4.1	0.59	ug/Kg	02/01/15	JLI	SW8260
Bromodichloromethane	ND		4.1	0.50	ug/Kg	02/01/15	JLI	SW8260
Bromoform	ND		4.1	0.57	ug/Kg	02/01/15	JLI	SW8260
Bromomethane	ND		4.1	3.1	ug/Kg	02/01/15	JLI	SW8260
Carbon Disulfide	ND		4.1	0.66	ug/Kg	02/01/15	JLI	SW8260
Carbon tetrachloride	ND		4.1	0.47	ug/Kg	02/01/15	JLI	SW8260
Chlorobenzene	ND		4.1	0.60	ug/Kg	02/01/15	JLI	SW8260
Chloroethane	ND		4.1	0.95	ug/Kg	02/01/15	JLI	SW8260
Chloroform	ND		4.1	0.74	ug/Kg	02/01/15	JLI	SW8260
Chloromethane	ND		4.1	2.1	ug/Kg	02/01/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		4.1	0.88	ug/Kg	02/01/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		4.1	0.44	ug/Kg	02/01/15	JLI	SW8260
Cyclohexane	ND		4.1	4.1	ug/Kg	02/01/15	JLI	SW8260
Dibromochloromethane	ND		4.1	0.45	ug/Kg	02/01/15	JLI	SW8260
Dichlorodifluoromethane	ND		4.1	1.1	ug/Kg	02/01/15	JLI	SW8260
Ethylbenzene	ND		4.1	0.74	ug/Kg	02/01/15	JLI	SW8260
Isopropylbenzene	ND		4.1	0.78	ug/Kg	02/01/15	JLI	SW8260
m&p-Xylene	ND		4.1	1.6	ug/Kg	02/01/15	JLI	SW8260
Methyl ethyl ketone	ND		24	3.5	ug/Kg	02/01/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		8.1	1.1	ug/Kg	02/01/15	JLI	SW8260
Methylacetate	ND		4.1	4.1	ug/Kg	02/01/15	JLI	SW8260
Methylcyclohexane	ND		4.1	4.1	ug/Kg	02/01/15	JLI	SW8260
Methylene chloride	0.98	JS	4.1	0.66	ug/Kg	02/01/15	JLI	SW8260
o-Xylene	ND		4.1	1.5	ug/Kg	02/01/15	JLI	SW8260
Styrene	ND		4.1	1.2	ug/Kg	02/01/15	JLI	SW8260
tert-butyl alcohol	ND		81	81	ug/Kg	02/01/15	JLI	SW8260
Tetrachloroethene	ND		4.1	0.85	ug/Kg	02/01/15	JLI	SW8260
Toluene	ND		4.1	0.64	ug/Kg	02/01/15	JLI	SW8260
Total Xylenes	ND		4.1	4.1	ug/Kg	02/01/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		4.1	0.81	ug/Kg	02/01/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		4.1	0.83	ug/Kg	02/01/15	JLI	SW8260
Trichloroethene	ND		4.1	0.86	ug/Kg	02/01/15	JLI	SW8260
Trichlorofluoromethane	ND		4.1	0.90	ug/Kg	02/01/15	JLI	SW8260
Trichlorotrifluoroethane	ND		4.1	0.63	ug/Kg	02/01/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 10 1-2

Phoenix I.D.: BH69287

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	4.1	1.3	ug/Kg	02/01/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	104			%	02/01/15	JLI	70 - 130 %	
% Bromofluorobenzene	83			%	02/01/15	JLI	70 - 130 %	
% Dibromofluoromethane	103			%	02/01/15	JLI	70 - 130 %	
% Toluene-d8	97			%	02/01/15	JLI	70 - 130 %	
Vinyl Acetate	ND	41	41	ug/Kg	02/01/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
February 06, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 06, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	01/30/15	10:00
Location Code:	IMPACT	Received by:	SW	01/30/15	17:25
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH69277
Phoenix ID: BH69288

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 10 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.35	0.35	0.35	mg/Kg	02/01/15	LK	SW6010	
Aluminum	8460	52	6.9	mg/Kg	02/01/15	LK	SW6010	
Arsenic	5.5	0.7	0.69	mg/Kg	02/01/15	LK	SW6010	
Barium	42.9	0.35	0.35	mg/Kg	02/01/15	LK	SW6010	
Beryllium	0.46	0.28	0.14	mg/Kg	02/01/15	LK	SW6010	
Calcium	3620	5.2	3.2	mg/Kg	02/01/15	LK	SW6010	
Cadmium	< 0.35	0.35	0.14	mg/Kg	02/01/15	LK	SW6010	
Cobalt	5.02	0.35	0.35	mg/Kg	02/01/15	LK	SW6010	
Chromium	14.4	0.35	0.35	mg/Kg	02/01/15	LK	SW6010	
Copper	15.5	0.35	0.35	mg/kg	02/01/15	LK	SW6010	
Iron	13400	52	35	mg/Kg	02/01/15	LK	SW6010	
Mercury	0.13	0.03	0.02	mg/Kg	02/02/15	RS	SW-7471	
Potassium	843	5.2	2.7	mg/Kg	02/01/15	LK	SW6010	
Magnesium	3000	5.2	3.5	mg/Kg	02/01/15	LK	SW6010	
Manganese	89.2	0.35	0.35	mg/Kg	02/01/15	LK	SW6010	
Sodium	1210	5.2	3.0	mg/Kg	02/01/15	LK	SW6010	
Nickel	12.6	0.35	0.35	mg/Kg	02/01/15	LK	SW6010	
Lead	83.1	0.35	0.35	mg/Kg	02/01/15	LK	SW6010	
Antimony	< 3.5	3.5	1.7	mg/Kg	02/01/15	LK	SW6010	
Selenium	< 1.4	1.4	1.2	mg/Kg	02/01/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/01/15	LK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/01/15	LK	SW6010	
TCLP Barium	0.45	0.10	0.010	mg/L	02/01/15	LK	SW6010	B
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/01/15	LK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/01/15	LK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/02/15	RS	SW7470	
TCLP Lead	0.28	0.10	0.010	mg/L	02/01/15	LK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/01/15	LK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 10 COMP

Phoenix I.D.: BH69288

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.1	3.1	1.4	mg/Kg	02/01/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/01/15	I/I	SW3005	
Trivalent Chromium	14.4	0.50		mg/kg	02/03/15	CL	Calculation	
Vanadium	21.9	0.35	0.35	mg/Kg	02/01/15	LK	SW6010	
Zinc	59.2	0.35	0.35	mg/Kg	02/01/15	LK	SW6010	
Percent Solid	89			%	01/30/15	I	SW846	
Corrosivity	Negative			Pos/Neg	01/30/15	DH/KDB	SW846	1
Flash Point	>200	200		degree F	02/02/15	Y	SW1010	
Chromium, Hexavalent	< 0.45	0.45	0.45	mg/Kg	02/03/15 11:56	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/02/15	Y	SW846	1
pH - Soil	8.76	0.10		pH Units	01/30/15 19:30	DH/KDB	4500-H B/9045	1
Reactivity Cyanide	< 5.6	5.6	0.028	mg/Kg	01/30/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/02/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/02/15	EG	SW 846-7.3	1
Redox Potential	180	1.0		mV	01/30/15	DH/KDB	SM2580B	1
Total Cyanide	< 0.51	0.51	0.26	mg/Kg	02/03/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				01/30/15	JC	SW3545	
Soil Extraction for Pesticide	Completed				01/30/15	JC/H	SW3545	
Soil Extraction for SVOA	Completed				01/30/15	BJ/VH	SW3545	
Mercury Digestion	Completed				02/01/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/03/15	P/D	SW8151	
TCLP Digestion Mercury	Completed				02/01/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/03/15	W/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				01/30/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				01/30/15	I	1311	
TCLP Pesticides Extraction	Completed				02/03/15	L	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/03/15	L	SW3510	
TCLP Extraction Volatiles	Completed				01/30/15	Y	EPA 1311	
Total Metals Digest	Completed				01/30/15	AG	SW846 - 3050	
Extraction of TPH SM	Completed				01/30/15	CC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	47	47	ug/Kg	02/04/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	47	47	ug/Kg	02/04/15	BB	SW8151	
2,4-D	ND	47	47	ug/Kg	02/04/15	BB	SW8151	
2,4-DB	ND	470	470	ug/Kg	02/04/15	BB	SW8151	
Dalapon	ND	47	47	ug/Kg	02/04/15	BB	SW8151	
Dicamba	ND	93	93	ug/Kg	02/04/15	BB	SW8151	
Dichloroprop	ND	47	47	ug/Kg	02/04/15	BB	SW8151	
Dinoseb	ND	93	93	ug/Kg	02/04/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	66			%	02/04/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	74	74	ug/Kg	01/31/15	AW	SW 8082	
PCB-1221	ND	74	74	ug/Kg	01/31/15	AW	SW 8082	
PCB-1232	ND	74	74	ug/Kg	01/31/15	AW	SW 8082	
PCB-1242	ND	74	74	ug/Kg	01/31/15	AW	SW 8082	
PCB-1248	ND	74	74	ug/Kg	01/31/15	AW	SW 8082	
PCB-1254	ND	74	74	ug/Kg	01/31/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 10 COMP

Phoenix I.D.: BH69288

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	74	74	ug/Kg	01/31/15	AW	SW 8082
PCB-1262	ND	74	74	ug/Kg	01/31/15	AW	SW 8082
PCB-1268	ND	74	74	ug/Kg	01/31/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	85			%	01/31/15	AW	30 - 150 %
% TCMX	66			%	01/31/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.2	2.2	ug/Kg	01/31/15	CE	SW8081
4,4' -DDE	ND	2.2	2.2	ug/Kg	01/31/15	CE	SW8081
4,4' -DDT	ND	2.2	2.2	ug/Kg	01/31/15	CE	SW8081
a-BHC	ND	7.4	7.4	ug/Kg	01/31/15	CE	SW8081
a-Chlordane	ND	3.7	3.7	ug/Kg	01/31/15	CE	SW8081
Aldrin	ND	3.7	3.7	ug/Kg	01/31/15	CE	SW8081
b-BHC	ND	7.4	7.4	ug/Kg	01/31/15	CE	SW8081
Chlordane	ND	37	37	ug/Kg	01/31/15	CE	SW8081
d-BHC	ND	7.4	7.4	ug/Kg	01/31/15	CE	SW8081
Dieldrin	ND	3.7	3.7	ug/Kg	01/31/15	CE	SW8081
Endosulfan I	ND	7.4	7.4	ug/Kg	01/31/15	CE	SW8081
Endosulfan II	ND	7.4	7.4	ug/Kg	01/31/15	CE	SW8081
Endosulfan sulfate	ND	7.4	7.4	ug/Kg	01/31/15	CE	SW8081
Endrin	ND	7.4	7.4	ug/Kg	01/31/15	CE	SW8081
Endrin aldehyde	ND	7.4	7.4	ug/Kg	01/31/15	CE	SW8081
Endrin ketone	ND	7.4	7.4	ug/Kg	01/31/15	CE	SW8081
g-BHC	ND	1.5	1.5	ug/Kg	01/31/15	CE	SW8081
g-Chlordane	ND	3.7	3.7	ug/Kg	01/31/15	CE	SW8081
Heptachlor	ND	7.4	7.4	ug/Kg	01/31/15	CE	SW8081
Heptachlor epoxide	ND	7.4	7.4	ug/Kg	01/31/15	CE	SW8081
Methoxychlor	ND	37	37	ug/Kg	01/31/15	CE	SW8081
Toxaphene	ND	150	150	ug/Kg	01/31/15	CE	SW8081
QA/QC Surrogates							
% DCBP	81			%	01/31/15	CE	30 - 150 %
% TCMX	61			%	01/31/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/04/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/04/15	BB	SW8151
QA/QC Surrogates							
% DCAA	62			%	02/04/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/04/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/04/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/04/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/04/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/04/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/04/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/04/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/04/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/04/15	CE	SW 8081

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 10 COMP

Phoenix I.D.: BH69288

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/04/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/04/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/04/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/04/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/04/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/04/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/04/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/04/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/04/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/04/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/04/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	99			%	02/04/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	90			%	02/04/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	56	56	mg/Kg	01/31/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	88			%	01/31/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/03/15	HM	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/03/15	HM	SW8260
Benzene	ND	25	25	ug/L	02/03/15	HM	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/03/15	HM	SW8260
Chlorobenzene	ND	25	25	ug/L	02/03/15	HM	SW8260
Chloroform	ND	25	25	ug/L	02/03/15	HM	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/03/15	HM	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/03/15	HM	SW8260
Trichloroethene	ND	25	25	ug/L	02/03/15	HM	SW8260
Vinyl chloride	ND	25	25	ug/L	02/03/15	HM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100			%	02/03/15	HM	70 - 130 %
% Bromofluorobenzene	105			%	02/03/15	HM	70 - 130 %
% Dibromofluoromethane	90			%	02/03/15	HM	70 - 130 %
% Toluene-d8	96			%	02/03/15	HM	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	260	110	ug/Kg	01/31/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	01/31/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	370	370	ug/Kg	01/31/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	260	170	ug/Kg	01/31/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	01/31/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	01/31/15	DD	SW 8270
2,4-Dichlorophenol	ND	150	130	ug/Kg	01/31/15	DD	SW 8270
2,4-Dimethylphenol	ND	260	91	ug/Kg	01/31/15	DD	SW 8270
2,4-Dinitrophenol	ND	260	260	ug/Kg	01/31/15	DD	SW 8270
2,4-Dinitrotoluene	ND	150	140	ug/Kg	01/31/15	DD	SW 8270
2,6-Dinitrotoluene	ND	150	120	ug/Kg	01/31/15	DD	SW 8270
2-Chloronaphthalene	ND	260	100	ug/Kg	01/31/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 10 COMP

Phoenix I.D.: BH69288

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		260	100	ug/Kg	01/31/15	DD	SW 8270	
2-Methylnaphthalene	ND		260	110	ug/Kg	01/31/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		260	170	ug/Kg	01/31/15	DD	SW 8270	
2-Nitroaniline	ND		1800	370	ug/Kg	01/31/15	DD	SW 8270	
2-Nitrophenol	ND		260	230	ug/Kg	01/31/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		260	140	ug/Kg	01/31/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		150	170	ug/Kg	01/31/15	DD	SW 8270	
3-Nitroaniline	ND		1800	800	ug/Kg	01/31/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		260	390	ug/Kg	01/31/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		260	110	ug/Kg	01/31/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		260	130	ug/Kg	01/31/15	DD	SW 8270	
4-Chloroaniline	ND		730	170	ug/Kg	01/31/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		260	120	ug/Kg	01/31/15	DD	SW 8270	
4-Nitroaniline	ND		1800	120	ug/Kg	01/31/15	DD	SW 8270	
4-Nitrophenol	ND		1800	170	ug/Kg	01/31/15	DD	SW 8270	
Acenaphthene	ND		260	110	ug/Kg	01/31/15	DD	SW 8270	
Acenaphthylene	ND		150	100	ug/Kg	01/31/15	DD	SW 8270	
Acetophenone	ND		260	110	ug/Kg	01/31/15	DD	SW 8270	
Anthracene	ND		260	120	ug/Kg	01/31/15	DD	SW 8270	
Atrazine	ND		150	160	ug/Kg	01/31/15	DD	SW 8270	
Benz(a)anthracene	220	J	260	120	ug/Kg	01/31/15	DD	SW 8270	
Benzaldehyde	ND		260	110	ug/Kg	01/31/15	DD	SW 8270	
Benzidine	ND		550	550	ug/Kg	01/31/15	DD	SW 8270	
Benzo(a)pyrene	250		150	120	ug/Kg	01/31/15	DD	SW 8270	
Benzo(b)fluoranthene	330		260	130	ug/Kg	01/31/15	DD	SW 8270	
Benzo(ghi)perylene	140	J	260	120	ug/Kg	01/31/15	DD	SW 8270	
Benzo(k)fluoranthene	ND		260	120	ug/Kg	01/31/15	DD	SW 8270	
Benzyl Alcohol	ND		370	370	ug/Kg	01/31/15	DD	SW 8270	
Benzyl butyl phthalate	ND		260	94	ug/Kg	01/31/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		260	100	ug/Kg	01/31/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		150	99	ug/Kg	01/31/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		260	100	ug/Kg	01/31/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		260	110	ug/Kg	01/31/15	DD	SW 8270	
Caprolactam	ND		260	650	ug/Kg	01/31/15	DD	SW 8270	
Carbazole	ND		1800	280	ug/Kg	01/31/15	DD	SW 8270	
Chrysene	240	J	260	120	ug/Kg	01/31/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		150	120	ug/Kg	01/31/15	DD	SW 8270	
Dibenzofuran	ND		260	110	ug/Kg	01/31/15	DD	SW 8270	
Diethyl phthalate	ND		260	120	ug/Kg	01/31/15	DD	SW 8270	
Dimethylphthalate	ND		260	110	ug/Kg	01/31/15	DD	SW 8270	
Di-n-butylphthalate	ND		260	97	ug/Kg	01/31/15	DD	SW 8270	
Di-n-octylphthalate	ND		260	94	ug/Kg	01/31/15	DD	SW 8270	
Fluoranthene	550		260	120	ug/Kg	01/31/15	DD	SW 8270	
Fluorene	ND		260	120	ug/Kg	01/31/15	DD	SW 8270	
Hexachlorobenzene	ND		150	110	ug/Kg	01/31/15	DD	SW 8270	
Hexachlorobutadiene	ND		260	130	ug/Kg	01/31/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		260	110	ug/Kg	01/31/15	DD	SW 8270	
Hexachloroethane	ND		150	110	ug/Kg	01/31/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	140	J	260	120	ug/Kg	01/31/15	DD	SW 8270	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 10 COMP

Phoenix I.D.: BH69288

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND	150	100	ug/Kg	01/31/15	DD	SW 8270	
Naphthalene	ND	260	110	ug/Kg	01/31/15	DD	SW 8270	
Nitrobenzene	ND	150	130	ug/Kg	01/31/15	DD	SW 8270	
N-Nitrosodimethylamine	ND	260	100	ug/Kg	01/31/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	150	120	ug/Kg	01/31/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND	150	140	ug/Kg	01/31/15	DD	SW 8270	
Pentachlorophenol	ND	260	140	ug/Kg	01/31/15	DD	SW 8270	
Phenanthrene	320	150	100	ug/Kg	01/31/15	DD	SW 8270	
Phenol	ND	260	120	ug/Kg	01/31/15	DD	SW 8270	
Pyrene	490	260	130	ug/Kg	01/31/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	87			%	01/31/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	78			%	01/31/15	DD	30 - 130 %	
% 2-Fluorophenol	69			%	01/31/15	DD	30 - 130 %	
% Nitrobenzene-d5	88			%	01/31/15	DD	30 - 130 %	
% Phenol-d5	77			%	01/31/15	DD	30 - 130 %	
% Terphenyl-d14	90			%	01/31/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral								
1,4-Dichlorobenzene	ND	83	83	ug/L	02/04/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND	83	83	ug/L	02/04/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND	83	83	ug/L	02/04/15	DD	SW 8270	
2,4-Dinitrotoluene	ND	83	83	ug/L	02/04/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	83	83	ug/L	02/04/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND	83	83	ug/L	02/04/15	DD	SW 8270	
Hexachlorobenzene	ND	83	83	ug/L	02/04/15	DD	SW 8270	
Hexachlorobutadiene	ND	83	83	ug/L	02/04/15	DD	SW 8270	
Hexachloroethane	ND	83	83	ug/L	02/04/15	DD	SW 8270	
Nitrobenzene	ND	83	83	ug/L	02/04/15	DD	SW 8270	
Pentachlorophenol	ND	83	83	ug/L	02/04/15	DD	SW 8270	
Pyridine	ND	83	83	ug/L	02/04/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	81			%	02/04/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	63			%	02/04/15	DD	30 - 130 %	
% 2-Fluorophenol	53			%	02/04/15	DD	15 - 110 %	
% Nitrobenzene-d5	70			%	02/04/15	DD	30 - 130 %	
% Phenol-d5	48			%	02/04/15	DD	15 - 110 %	
% Terphenyl-d14	90			%	02/04/15	DD	30 - 130 %	
Aniline	ND	330		ug/Kg	02/02/15	DD	SW8270	
Benzoic Acid	ND	330		ug/Kg	02/02/15	DD	SW8270	1
Parathion	ND	370	150	ug/Kg	01/31/15	DD	SW8270	1

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 10 COMP

Phoenix I.D.: BH69288

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
February 06, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 06, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	01/30/15	10:30
Location Code:	IMPACT	Received by:	SW	01/30/15	17:25
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH69277
Phoenix ID: BH69289

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 28 1-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	01/30/15	I	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	5.1	1.0	ug/Kg	02/01/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	5.1	1.0	ug/Kg	02/01/15	JLI	SW8260
1,3-Dichlorobenzene	ND	5.1	1.0	ug/Kg	02/01/15	JLI	SW8260
Naphthalene	ND	5.1	1.4	ug/Kg	02/01/15	JLI	SW8260
n-Butylbenzene	ND	5.1	1.0	ug/Kg	02/01/15	JLI	SW8260
n-Propylbenzene	ND	5.1	1.0	ug/Kg	02/01/15	JLI	SW8260
p-Isopropyltoluene	ND	5.1	1.0	ug/Kg	02/01/15	JLI	SW8260
sec-Butylbenzene	ND	5.1	1.0	ug/Kg	02/01/15	JLI	SW8260
tert-Butylbenzene	ND	5.1	1.0	ug/Kg	02/01/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101			%	02/01/15	JLI	SW8260
% Bromofluorobenzene	96			%	02/01/15	JLI	SW8260
% Dibromofluoromethane	99			%	02/01/15	JLI	SW8260
% Toluene-d8	100			%	02/01/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	100	100	ug/kg	02/01/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.1	1.0	ug/Kg	02/01/15	JLI	SW8260
1,1,1-Trichloroethane	ND	5.1	1.0	ug/Kg	02/01/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.1	0.72	ug/Kg	02/01/15	JLI	SW8260
1,1,2-Trichloroethane	ND	5.1	0.50	ug/Kg	02/01/15	JLI	SW8260
1,1-Dichloroethane	ND	5.1	1.0	ug/Kg	02/01/15	JLI	SW8260
1,1-Dichloroethene	ND	5.1	1.1	ug/Kg	02/01/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 28 1-2

Phoenix I.D.: BH69289

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		5.1	0.68	ug/Kg	02/01/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		5.1	0.60	ug/Kg	02/01/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		5.1	1.4	ug/Kg	02/01/15	JLI	SW8260
1,2-Dibromoethane	ND		5.1	1.4	ug/Kg	02/01/15	JLI	SW8260
1,2-Dichlorobenzene	ND		5.1	0.56	ug/Kg	02/01/15	JLI	SW8260
1,2-Dichloroethane	ND		5.1	0.45	ug/Kg	02/01/15	JLI	SW8260
1,2-Dichloropropane	ND		5.1	0.72	ug/Kg	02/01/15	JLI	SW8260
1,3-Dichlorobenzene	ND		5.1	0.75	ug/Kg	02/01/15	JLI	SW8260
1,4-Dichlorobenzene	ND		5.1	0.81	ug/Kg	02/01/15	JLI	SW8260
2-Hexanone	ND		26	2.3	ug/Kg	02/01/15	JLI	SW8260
4-Methyl-2-pentanone	ND		26	1.2	ug/Kg	02/01/15	JLI	SW8260
Acetone	ND		51	5.1	ug/Kg	02/01/15	JLI	SW8260
Acrolein	ND		26	4.1	ug/Kg	02/01/15	JLI	SW8260
Acrylonitrile	ND		10	2.9	ug/Kg	02/01/15	JLI	SW8260
Benzene	ND		5.1	1.0	ug/Kg	02/01/15	JLI	SW8260
Bromochloromethane	ND		5.1	0.74	ug/Kg	02/01/15	JLI	SW8260
Bromodichloromethane	ND		5.1	0.63	ug/Kg	02/01/15	JLI	SW8260
Bromoform	ND		5.1	0.71	ug/Kg	02/01/15	JLI	SW8260
Bromomethane	ND		5.1	3.9	ug/Kg	02/01/15	JLI	SW8260
Carbon Disulfide	ND		5.1	0.83	ug/Kg	02/01/15	JLI	SW8260
Carbon tetrachloride	ND		5.1	0.59	ug/Kg	02/01/15	JLI	SW8260
Chlorobenzene	ND		5.1	0.75	ug/Kg	02/01/15	JLI	SW8260
Chloroethane	ND		5.1	1.2	ug/Kg	02/01/15	JLI	SW8260
Chloroform	ND		5.1	0.93	ug/Kg	02/01/15	JLI	SW8260
Chloromethane	ND		5.1	2.7	ug/Kg	02/01/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		5.1	1.1	ug/Kg	02/01/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		5.1	0.55	ug/Kg	02/01/15	JLI	SW8260
Cyclohexane	ND		5.1	5.1	ug/Kg	02/01/15	JLI	SW8260
Dibromochloromethane	ND		5.1	0.57	ug/Kg	02/01/15	JLI	SW8260
Dichlorodifluoromethane	ND		5.1	1.4	ug/Kg	02/01/15	JLI	SW8260
Ethylbenzene	ND		5.1	0.93	ug/Kg	02/01/15	JLI	SW8260
Isopropylbenzene	ND		5.1	0.98	ug/Kg	02/01/15	JLI	SW8260
m&p-Xylene	ND		5.1	2.0	ug/Kg	02/01/15	JLI	SW8260
Methyl ethyl ketone	ND		31	4.4	ug/Kg	02/01/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		10	1.4	ug/Kg	02/01/15	JLI	SW8260
Methylacetate	ND		5.1	5.1	ug/Kg	02/01/15	JLI	SW8260
Methylcyclohexane	ND		5.1	5.1	ug/Kg	02/01/15	JLI	SW8260
Methylene chloride	1.7	JS	5.1	0.84	ug/Kg	02/01/15	JLI	SW8260
o-Xylene	ND		5.1	1.9	ug/Kg	02/01/15	JLI	SW8260
Styrene	ND		5.1	1.5	ug/Kg	02/01/15	JLI	SW8260
tert-butyl alcohol	ND		100	100	ug/Kg	02/01/15	JLI	SW8260
Tetrachloroethene	ND		5.1	1.1	ug/Kg	02/01/15	JLI	SW8260
Toluene	ND		5.1	0.81	ug/Kg	02/01/15	JLI	SW8260
Total Xylenes	ND		5.1	5.1	ug/Kg	02/01/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		5.1	1.0	ug/Kg	02/01/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		5.1	1.0	ug/Kg	02/01/15	JLI	SW8260
Trichloroethene	ND		5.1	1.1	ug/Kg	02/01/15	JLI	SW8260
Trichlorofluoromethane	ND		5.1	1.1	ug/Kg	02/01/15	JLI	SW8260
Trichlorotrifluoroethane	ND		5.1	0.80	ug/Kg	02/01/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 28 1-2

Phoenix I.D.: BH69289

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	5.1	1.7	ug/Kg	02/01/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	101			%	02/01/15	JLI	70 - 130 %	
% Bromofluorobenzene	93			%	02/01/15	JLI	70 - 130 %	
% Dibromofluoromethane	99			%	02/01/15	JLI	70 - 130 %	
% Toluene-d8	100			%	02/01/15	JLI	70 - 130 %	
Vinyl Acetate	ND	51	51	ug/Kg	02/01/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

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 06, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 06, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	01/30/15	10:30
Location Code:	IMPACT	Received by:	SW	01/30/15	17:25
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH69277
Phoenix ID: BH69290

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 28 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.35	0.35	0.35	mg/Kg	02/01/15	LK	SW6010	
Aluminum	1390	5.3	0.71	mg/Kg	02/01/15	LK	SW6010	
Arsenic	1.1	0.7	0.71	mg/Kg	02/01/15	LK	SW6010	
Barium	12.4	0.35	0.35	mg/Kg	02/01/15	LK	SW6010	
Beryllium	< 0.28	0.28	0.14	mg/Kg	02/01/15	LK	SW6010	
Calcium	419	5.3	3.2	mg/Kg	02/01/15	LK	SW6010	
Cadmium	< 0.35	0.35	0.14	mg/Kg	02/01/15	LK	SW6010	
Cobalt	1.26	0.35	0.35	mg/Kg	02/01/15	LK	SW6010	
Chromium	4.50	0.35	0.35	mg/Kg	02/01/15	LK	SW6010	
Copper	1.57	0.35	0.35	mg/kg	02/01/15	LK	SW6010	
Iron	2710	5.3	3.5	mg/Kg	02/01/15	LK	SW6010	
Mercury	0.05	0.03	0.02	mg/Kg	02/02/15	RS	SW-7471	
Potassium	314	5.3	2.8	mg/Kg	02/01/15	LK	SW6010	
Magnesium	681	5.3	3.5	mg/Kg	02/01/15	LK	SW6010	
Manganese	30.2	0.35	0.35	mg/Kg	02/01/15	LK	SW6010	
Sodium	713	5.3	3.0	mg/Kg	02/01/15	LK	SW6010	
Nickel	4.13	0.35	0.35	mg/Kg	02/01/15	LK	SW6010	
Lead	19.3	0.35	0.35	mg/Kg	02/01/15	LK	SW6010	
Antimony	< 3.5	3.5	1.8	mg/Kg	02/01/15	LK	SW6010	
Selenium	< 1.4	1.4	1.2	mg/Kg	02/01/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/01/15	LK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/01/15	LK	SW6010	
TCLP Barium	0.17	0.10	0.010	mg/L	02/01/15	LK	SW6010	B*
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/01/15	LK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/01/15	LK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/02/15	RS	SW7470	
TCLP Lead	< 0.10	0.10	0.010	mg/L	02/01/15	LK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/01/15	LK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 28 COMP

Phoenix I.D.: BH69290

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.2	3.2	1.4	mg/Kg	02/01/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/01/15	I/I	SW3005	
Trivalent Chromium	4.50	0.50		mg/kg	02/03/15	CL	Calculation	
Vanadium	4.55	0.35	0.35	mg/Kg	02/01/15	LK	SW6010	
Zinc	16.4	0.35	0.35	mg/Kg	02/01/15	LK	SW6010	
Percent Solid	92			%	01/30/15	I	SW846	
Corrosivity	Negative			Pos/Neg	01/30/15	DH/KDB	SW846	1
Flash Point	>200	200		degree F	02/02/15	Y	SW1010	
Chromium, Hexavalent	< 0.43	0.43	0.43	mg/Kg	02/03/15 11:56	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/02/15	Y	SW846	1
pH - Soil	9.39	0.10		pH Units	01/30/15 19:30	DH/KDB	4500-H B/9045	1
Reactivity Cyanide	< 5.4	5.4	0.027	mg/Kg	01/30/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/02/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/02/15	EG	SW 846-7.3	1
Redox Potential	190	1.0		mV	01/30/15	DH/KDB	SM2580B	1
Total Cyanide	0.66	0.54	0.27	mg/Kg	02/03/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				01/30/15	JC	SW3545	
Soil Extraction for Pesticide	Completed				01/30/15	JC/H	SW3545	
Soil Extraction for SVOA	Completed				01/30/15	BJ/VH	SW3545	
Mercury Digestion	Completed				02/01/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/03/15	P/D	SW8151	
TCLP Digestion Mercury	Completed				02/01/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/03/15	W/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				01/30/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				01/30/15	I	1311	
TCLP Pesticides Extraction	Completed				02/03/15	T	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/03/15	L	SW3510	
TCLP Extraction Volatiles	Completed				01/30/15	Y	EPA 1311	
Total Metals Digest	Completed				01/30/15	AG	SW846 - 3050	
Extraction of TPH SM	Completed				01/30/15	CC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	45	45	ug/Kg	02/04/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	45	45	ug/Kg	02/04/15	BB	SW8151	
2,4-D	ND	45	45	ug/Kg	02/04/15	BB	SW8151	
2,4-DB	ND	450	450	ug/Kg	02/04/15	BB	SW8151	
Dalapon	ND	45	45	ug/Kg	02/04/15	BB	SW8151	
Dicamba	ND	90	90	ug/Kg	02/04/15	BB	SW8151	
Dichloroprop	ND	45	45	ug/Kg	02/04/15	BB	SW8151	
Dinoseb	ND	90	90	ug/Kg	02/04/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	73			%	02/04/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	72	72	ug/Kg	01/31/15	AW	SW 8082	
PCB-1221	ND	72	72	ug/Kg	01/31/15	AW	SW 8082	
PCB-1232	ND	72	72	ug/Kg	01/31/15	AW	SW 8082	
PCB-1242	ND	72	72	ug/Kg	01/31/15	AW	SW 8082	
PCB-1248	ND	72	72	ug/Kg	01/31/15	AW	SW 8082	
PCB-1254	ND	72	72	ug/Kg	01/31/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 28 COMP

Phoenix I.D.: BH69290

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	72	72	ug/Kg	01/31/15	AW	SW 8082
PCB-1262	ND	72	72	ug/Kg	01/31/15	AW	SW 8082
PCB-1268	ND	72	72	ug/Kg	01/31/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	91			%	01/31/15	AW	30 - 150 %
% TCMX	79			%	01/31/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.1	2.1	ug/Kg	01/31/15	CE	SW8081
4,4' -DDE	ND	2.1	2.1	ug/Kg	01/31/15	CE	SW8081
4,4' -DDT	ND	2.1	2.1	ug/Kg	01/31/15	CE	SW8081
a-BHC	ND	7.2	7.2	ug/Kg	01/31/15	CE	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	01/31/15	CE	SW8081
Aldrin	ND	3.6	3.6	ug/Kg	01/31/15	CE	SW8081
b-BHC	ND	7.2	7.2	ug/Kg	01/31/15	CE	SW8081
Chlordane	ND	36	36	ug/Kg	01/31/15	CE	SW8081
d-BHC	ND	7.2	7.2	ug/Kg	01/31/15	CE	SW8081
Dieldrin	ND	3.6	3.6	ug/Kg	01/31/15	CE	SW8081
Endosulfan I	ND	7.2	7.2	ug/Kg	01/31/15	CE	SW8081
Endosulfan II	ND	7.2	7.2	ug/Kg	01/31/15	CE	SW8081
Endosulfan sulfate	ND	7.2	7.2	ug/Kg	01/31/15	CE	SW8081
Endrin	ND	7.2	7.2	ug/Kg	01/31/15	CE	SW8081
Endrin aldehyde	ND	7.2	7.2	ug/Kg	01/31/15	CE	SW8081
Endrin ketone	ND	7.2	7.2	ug/Kg	01/31/15	CE	SW8081
g-BHC	ND	1.4	1.4	ug/Kg	01/31/15	CE	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	01/31/15	CE	SW8081
Heptachlor	ND	7.2	7.2	ug/Kg	01/31/15	CE	SW8081
Heptachlor epoxide	ND	7.2	7.2	ug/Kg	01/31/15	CE	SW8081
Methoxychlor	ND	36	36	ug/Kg	01/31/15	CE	SW8081
Toxaphene	ND	140	140	ug/Kg	01/31/15	CE	SW8081
QA/QC Surrogates							
% DCBP	84			%	01/31/15	CE	30 - 150 %
% TCMX	78			%	01/31/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/04/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/04/15	BB	SW8151
QA/QC Surrogates							
% DCAA	64			%	02/04/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/04/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/04/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/04/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/04/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/04/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/04/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/04/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/04/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/04/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/04/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/04/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/04/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/04/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/04/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/04/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/04/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/04/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/04/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/04/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/04/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	92			%	02/04/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	97			%	02/04/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	54	54	mg/Kg	01/31/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	83			%	01/31/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/03/15	HM	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/03/15	HM	SW8260
Benzene	ND	25	25	ug/L	02/03/15	HM	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/03/15	HM	SW8260
Chlorobenzene	ND	25	25	ug/L	02/03/15	HM	SW8260
Chloroform	ND	25	25	ug/L	02/03/15	HM	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/03/15	HM	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/03/15	HM	SW8260
Trichloroethene	ND	25	25	ug/L	02/03/15	HM	SW8260
Vinyl chloride	ND	25	25	ug/L	02/03/15	HM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99			%	02/03/15	HM	70 - 130 %
% Bromofluorobenzene	103			%	02/03/15	HM	70 - 130 %
% Dibromofluoromethane	88			%	02/03/15	HM	70 - 130 %
% Toluene-d8	96			%	02/03/15	HM	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	250	110	ug/Kg	01/31/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	01/31/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	360	360	ug/Kg	01/31/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	250	170	ug/Kg	01/31/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	01/31/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	01/31/15	DD	SW 8270
2,4-Dichlorophenol	ND	140	130	ug/Kg	01/31/15	DD	SW 8270
2,4-Dimethylphenol	ND	250	88	ug/Kg	01/31/15	DD	SW 8270
2,4-Dinitrophenol	ND	250	250	ug/Kg	01/31/15	DD	SW 8270
2,4-Dinitrotoluene	ND	140	140	ug/Kg	01/31/15	DD	SW 8270
2,6-Dinitrotoluene	ND	140	110	ug/Kg	01/31/15	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	01/31/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 28 COMP

Phoenix I.D.: BH69290

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND	250	100	ug/Kg	01/31/15	DD	SW 8270	
2-Methylnaphthalene	ND	250	110	ug/Kg	01/31/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	01/31/15	DD	SW 8270	
2-Nitroaniline	ND	1800	360	ug/Kg	01/31/15	DD	SW 8270	
2-Nitrophenol	ND	250	230	ug/Kg	01/31/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	01/31/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	140	170	ug/Kg	01/31/15	DD	SW 8270	
3-Nitroaniline	ND	1800	770	ug/Kg	01/31/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	250	380	ug/Kg	01/31/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	01/31/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	01/31/15	DD	SW 8270	
4-Chloroaniline	ND	710	170	ug/Kg	01/31/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	01/31/15	DD	SW 8270	
4-Nitroaniline	ND	1800	120	ug/Kg	01/31/15	DD	SW 8270	
4-Nitrophenol	ND	1800	160	ug/Kg	01/31/15	DD	SW 8270	
Acenaphthene	ND	250	110	ug/Kg	01/31/15	DD	SW 8270	
Acenaphthylene	ND	140	100	ug/Kg	01/31/15	DD	SW 8270	
Acetophenone	ND	250	110	ug/Kg	01/31/15	DD	SW 8270	
Anthracene	ND	250	120	ug/Kg	01/31/15	DD	SW 8270	
Atrazine	ND	140	160	ug/Kg	01/31/15	DD	SW 8270	
Benz(a)anthracene	ND	250	120	ug/Kg	01/31/15	DD	SW 8270	
Benzaldehyde	ND	250	110	ug/Kg	01/31/15	DD	SW 8270	
Benzidine	ND	530	530	ug/Kg	01/31/15	DD	SW 8270	
Benzo(a)pyrene	ND	140	120	ug/Kg	01/31/15	DD	SW 8270	
Benzo(b)fluoranthene	ND	250	120	ug/Kg	01/31/15	DD	SW 8270	
Benzo(ghi)perylene	ND	250	120	ug/Kg	01/31/15	DD	SW 8270	
Benzo(k)fluoranthene	ND	250	120	ug/Kg	01/31/15	DD	SW 8270	
Benzyl Alcohol	ND	360	360	ug/Kg	01/31/15	DD	SW 8270	
Benzyl butyl phthalate	ND	250	92	ug/Kg	01/31/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	250	98	ug/Kg	01/31/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	140	96	ug/Kg	01/31/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	250	99	ug/Kg	01/31/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	01/31/15	DD	SW 8270	
Caprolactam	ND	250	640	ug/Kg	01/31/15	DD	SW 8270	
Carbazole	ND	1800	270	ug/Kg	01/31/15	DD	SW 8270	
Chrysene	ND	250	120	ug/Kg	01/31/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND	140	120	ug/Kg	01/31/15	DD	SW 8270	
Dibenzofuran	ND	250	100	ug/Kg	01/31/15	DD	SW 8270	
Diethyl phthalate	ND	250	110	ug/Kg	01/31/15	DD	SW 8270	
Dimethylphthalate	ND	250	110	ug/Kg	01/31/15	DD	SW 8270	
Di-n-butylphthalate	ND	250	95	ug/Kg	01/31/15	DD	SW 8270	
Di-n-octylphthalate	ND	250	92	ug/Kg	01/31/15	DD	SW 8270	
Fluoranthene	ND	250	120	ug/Kg	01/31/15	DD	SW 8270	
Fluorene	ND	250	120	ug/Kg	01/31/15	DD	SW 8270	
Hexachlorobenzene	ND	140	100	ug/Kg	01/31/15	DD	SW 8270	
Hexachlorobutadiene	ND	250	130	ug/Kg	01/31/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	01/31/15	DD	SW 8270	
Hexachloroethane	ND	140	110	ug/Kg	01/31/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	01/31/15	DD	SW 8270	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND	140	100	ug/Kg	01/31/15	DD	SW 8270	
Naphthalene	ND	250	100	ug/Kg	01/31/15	DD	SW 8270	
Nitrobenzene	ND	140	120	ug/Kg	01/31/15	DD	SW 8270	
N-Nitrosodimethylamine	ND	250	100	ug/Kg	01/31/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	140	120	ug/Kg	01/31/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND	140	140	ug/Kg	01/31/15	DD	SW 8270	
Pentachlorophenol	ND	250	130	ug/Kg	01/31/15	DD	SW 8270	
Phenanthrene	ND	140	100	ug/Kg	01/31/15	DD	SW 8270	
Phenol	ND	250	110	ug/Kg	01/31/15	DD	SW 8270	
Pyrene	ND	250	120	ug/Kg	01/31/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	72			%	01/31/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	81			%	01/31/15	DD	30 - 130 %	
% 2-Fluorophenol	59			%	01/31/15	DD	30 - 130 %	
% Nitrobenzene-d5	77			%	01/31/15	DD	30 - 130 %	
% Phenol-d5	76			%	01/31/15	DD	30 - 130 %	
% Terphenyl-d14	90			%	01/31/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral								
1,4-Dichlorobenzene	ND	83	83	ug/L	02/04/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND	83	83	ug/L	02/04/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND	83	83	ug/L	02/04/15	DD	SW 8270	
2,4-Dinitrotoluene	ND	83	83	ug/L	02/04/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	83	83	ug/L	02/04/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND	83	83	ug/L	02/04/15	DD	SW 8270	
Hexachlorobenzene	ND	83	83	ug/L	02/04/15	DD	SW 8270	
Hexachlorobutadiene	ND	83	83	ug/L	02/04/15	DD	SW 8270	
Hexachloroethane	ND	83	83	ug/L	02/04/15	DD	SW 8270	
Nitrobenzene	ND	83	83	ug/L	02/04/15	DD	SW 8270	
Pentachlorophenol	ND	83	83	ug/L	02/04/15	DD	SW 8270	
Pyridine	ND	83	83	ug/L	02/04/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	84			%	02/04/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	65			%	02/04/15	DD	30 - 130 %	
% 2-Fluorophenol	53			%	02/04/15	DD	15 - 110 %	
% Nitrobenzene-d5	69			%	02/04/15	DD	30 - 130 %	
% Phenol-d5	47			%	02/04/15	DD	15 - 110 %	
% Terphenyl-d14	99			%	02/04/15	DD	30 - 130 %	
Aniline	ND	330		ug/Kg	02/02/15	DD	SW8270	
Benzoic Acid	ND	330		ug/Kg	02/02/15	DD	SW8270	1
Parathion	ND	360	140	ug/Kg	01/31/15	DD	SW8270	1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B* = Present in blank, a bias is possible.

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

Comments:

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
February 06, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 06, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	01/30/15	11:00
Location Code:	IMPACT	Received by:	SW	01/30/15	17:25
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH69277
Phoenix ID: BH69291

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 12 1-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	01/30/15	I	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	3.9	0.77	ug/Kg	02/01/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	3.9	0.77	ug/Kg	02/01/15	JLI	SW8260
1,3-Dichlorobenzene	ND	3.9	0.77	ug/Kg	02/01/15	JLI	SW8260
Naphthalene	ND	3.9	1.0	ug/Kg	02/01/15	JLI	SW8260
n-Butylbenzene	ND	3.9	0.77	ug/Kg	02/01/15	JLI	SW8260
n-Propylbenzene	ND	3.9	0.77	ug/Kg	02/01/15	JLI	SW8260
p-Isopropyltoluene	ND	3.9	0.77	ug/Kg	02/01/15	JLI	SW8260
sec-Butylbenzene	ND	3.9	0.77	ug/Kg	02/01/15	JLI	SW8260
tert-Butylbenzene	ND	3.9	0.77	ug/Kg	02/01/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102			%	02/01/15	JLI	SW8260
% Bromofluorobenzene	94			%	02/01/15	JLI	SW8260
% Dibromofluoromethane	101			%	02/01/15	JLI	SW8260
% Toluene-d8	99			%	02/01/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	77	77	ug/kg	02/01/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	3.9	0.77	ug/Kg	02/01/15	JLI	SW8260
1,1,1-Trichloroethane	ND	3.9	0.77	ug/Kg	02/01/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	3.9	0.55	ug/Kg	02/01/15	JLI	SW8260
1,1,2-Trichloroethane	ND	3.9	0.38	ug/Kg	02/01/15	JLI	SW8260
1,1-Dichloroethane	ND	3.9	0.76	ug/Kg	02/01/15	JLI	SW8260
1,1-Dichloroethene	ND	3.9	0.84	ug/Kg	02/01/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 12 1-2

Phoenix I.D.: BH69291

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		3.9	0.52	ug/Kg	02/01/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		3.9	0.45	ug/Kg	02/01/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		3.9	1.0	ug/Kg	02/01/15	JLI	SW8260
1,2-Dibromoethane	ND		3.9	1.0	ug/Kg	02/01/15	JLI	SW8260
1,2-Dichlorobenzene	ND		3.9	0.42	ug/Kg	02/01/15	JLI	SW8260
1,2-Dichloroethane	ND		3.9	0.34	ug/Kg	02/01/15	JLI	SW8260
1,2-Dichloropropane	ND		3.9	0.55	ug/Kg	02/01/15	JLI	SW8260
1,3-Dichlorobenzene	ND		3.9	0.57	ug/Kg	02/01/15	JLI	SW8260
1,4-Dichlorobenzene	ND		3.9	0.61	ug/Kg	02/01/15	JLI	SW8260
2-Hexanone	ND		19	1.7	ug/Kg	02/01/15	JLI	SW8260
4-Methyl-2-pentanone	ND		19	0.92	ug/Kg	02/01/15	JLI	SW8260
Acetone	ND		39	3.8	ug/Kg	02/01/15	JLI	SW8260
Acrolein	ND		19	3.1	ug/Kg	02/01/15	JLI	SW8260
Acrylonitrile	ND		7.7	2.2	ug/Kg	02/01/15	JLI	SW8260
Benzene	ND		3.9	0.76	ug/Kg	02/01/15	JLI	SW8260
Bromochloromethane	ND		3.9	0.56	ug/Kg	02/01/15	JLI	SW8260
Bromodichloromethane	ND		3.9	0.48	ug/Kg	02/01/15	JLI	SW8260
Bromoform	ND		3.9	0.54	ug/Kg	02/01/15	JLI	SW8260
Bromomethane	ND		3.9	3.0	ug/Kg	02/01/15	JLI	SW8260
Carbon Disulfide	ND		3.9	0.62	ug/Kg	02/01/15	JLI	SW8260
Carbon tetrachloride	ND		3.9	0.45	ug/Kg	02/01/15	JLI	SW8260
Chlorobenzene	ND		3.9	0.57	ug/Kg	02/01/15	JLI	SW8260
Chloroethane	ND		3.9	0.90	ug/Kg	02/01/15	JLI	SW8260
Chloroform	ND		3.9	0.70	ug/Kg	02/01/15	JLI	SW8260
Chloromethane	ND		3.9	2.0	ug/Kg	02/01/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		3.9	0.84	ug/Kg	02/01/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		3.9	0.42	ug/Kg	02/01/15	JLI	SW8260
Cyclohexane	ND		3.9	3.9	ug/Kg	02/01/15	JLI	SW8260
Dibromochloromethane	ND		3.9	0.43	ug/Kg	02/01/15	JLI	SW8260
Dichlorodifluoromethane	ND		3.9	1.0	ug/Kg	02/01/15	JLI	SW8260
Ethylbenzene	ND		3.9	0.70	ug/Kg	02/01/15	JLI	SW8260
Isopropylbenzene	ND		3.9	0.74	ug/Kg	02/01/15	JLI	SW8260
m&p-Xylene	ND		3.9	1.5	ug/Kg	02/01/15	JLI	SW8260
Methyl ethyl ketone	ND		23	3.3	ug/Kg	02/01/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		7.7	1.1	ug/Kg	02/01/15	JLI	SW8260
Methylacetate	ND		3.9	3.9	ug/Kg	02/01/15	JLI	SW8260
Methylcyclohexane	ND		3.9	3.9	ug/Kg	02/01/15	JLI	SW8260
Methylene chloride	1.5	JS	3.9	0.63	ug/Kg	02/01/15	JLI	SW8260
o-Xylene	ND		3.9	1.5	ug/Kg	02/01/15	JLI	SW8260
Styrene	ND		3.9	1.1	ug/Kg	02/01/15	JLI	SW8260
tert-butyl alcohol	ND		77	77	ug/Kg	02/01/15	JLI	SW8260
Tetrachloroethene	ND		3.9	0.81	ug/Kg	02/01/15	JLI	SW8260
Toluene	ND		3.9	0.61	ug/Kg	02/01/15	JLI	SW8260
Total Xylenes	ND		3.9	3.9	ug/Kg	02/01/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		3.9	0.77	ug/Kg	02/01/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		3.9	0.79	ug/Kg	02/01/15	JLI	SW8260
Trichloroethene	ND		3.9	0.82	ug/Kg	02/01/15	JLI	SW8260
Trichlorofluoromethane	ND		3.9	0.85	ug/Kg	02/01/15	JLI	SW8260
Trichlorotrifluoroethane	ND		3.9	0.60	ug/Kg	02/01/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 12 1-2

Phoenix I.D.: BH69291

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	3.9	1.2	ug/Kg	02/01/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	102			%	02/01/15	JLI	70 - 130 %	
% Bromofluorobenzene	92			%	02/01/15	JLI	70 - 130 %	
% Dibromofluoromethane	101			%	02/01/15	JLI	70 - 130 %	
% Toluene-d8	99			%	02/01/15	JLI	70 - 130 %	
Vinyl Acetate	ND	39	39	ug/Kg	02/01/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

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 06, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 06, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	01/30/15	11:00
Location Code:	IMPACT	Received by:	SW	01/30/15	17:25
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH69277
Phoenix ID: BH69292

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 12 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.37	0.37	0.37	mg/Kg	02/01/15	LK	SW6010	
Aluminum	1480	5.5	0.73	mg/Kg	02/01/15	LK	SW6010	
Arsenic	1.2	0.7	0.73	mg/Kg	02/01/15	LK	SW6010	
Barium	15.4	0.37	0.37	mg/Kg	02/01/15	LK	SW6010	
Beryllium	< 0.29	0.29	0.15	mg/Kg	02/01/15	LK	SW6010	
Calcium	728	5.5	3.4	mg/Kg	02/01/15	LK	SW6010	
Cadmium	< 0.37	0.37	0.15	mg/Kg	02/01/15	LK	SW6010	
Cobalt	1.44	0.37	0.37	mg/Kg	02/01/15	LK	SW6010	
Chromium	4.92	0.37	0.37	mg/Kg	02/01/15	LK	SW6010	
Copper	3.48	0.37	0.37	mg/kg	02/01/15	LK	SW6010	
Iron	2860	5.5	3.7	mg/Kg	02/01/15	LK	SW6010	
Mercury	< 0.03	0.03	0.02	mg/Kg	02/02/15	RS	SW-7471	
Potassium	288	5.5	2.9	mg/Kg	02/01/15	LK	SW6010	
Magnesium	824	5.5	3.7	mg/Kg	02/01/15	LK	SW6010	
Manganese	34.9	0.37	0.37	mg/Kg	02/01/15	LK	SW6010	
Sodium	221	5.5	3.1	mg/Kg	02/01/15	LK	SW6010	
Nickel	4.63	0.37	0.37	mg/Kg	02/01/15	LK	SW6010	
Lead	22.6	0.37	0.37	mg/Kg	02/01/15	LK	SW6010	
Antimony	< 3.7	3.7	1.8	mg/Kg	02/01/15	LK	SW6010	
Selenium	< 1.5	1.5	1.2	mg/Kg	02/01/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/01/15	LK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/01/15	LK	SW6010	
TCLP Barium	0.28	0.10	0.010	mg/L	02/01/15	LK	SW6010	B
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/01/15	LK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/01/15	LK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/02/15	RS	SW7470	
TCLP Lead	0.14	0.10	0.010	mg/L	02/01/15	LK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/01/15	LK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 12 COMP

Phoenix I.D.: BH69292

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.3	3.3	1.5	mg/Kg	02/01/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/01/15	I/I	SW3005	
Trivalent Chromium	4.92	0.50		mg/kg	02/03/15	CL	Calculation	
Vanadium	5.36	0.37	0.37	mg/Kg	02/01/15	LK	SW6010	
Zinc	25.3	0.37	0.37	mg/Kg	02/01/15	LK	SW6010	
Percent Solid	90			%	01/30/15	I	SW846	
Corrosivity	Negative			Pos/Neg	01/30/15	DH/KDB	SW846	1
Flash Point	>200	200		degree F	02/02/15	Y	SW1010	
Chromium, Hexavalent	< 0.43	0.43	0.43	mg/Kg	02/03/15 11:56	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/02/15	Y	SW846	1
pH - Soil	8.95	0.10		pH Units	01/30/15 19:30	DH/KDB	4500-H B/9045	1
Reactivity Cyanide	< 5.6	5.6	0.028	mg/Kg	01/30/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/02/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/02/15	EG	SW 846-7.3	1
Redox Potential	160	1.0		mV	01/30/15	DH/KDB	SM2580B	1
Total Cyanide	< 0.51	0.51	0.25	mg/Kg	02/03/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				01/30/15	JC	SW3545	
Soil Extraction for Pesticide	Completed				01/30/15	JC/H	SW3545	
Soil Extraction for SVOA	Completed				01/30/15	BJ/VH	SW3545	
Mercury Digestion	Completed				02/01/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/03/15	P/D	SW8151	
TCLP Digestion Mercury	Completed				02/01/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/03/15	W/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				01/30/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				01/30/15	I	1311	
TCLP Pesticides Extraction	Completed				02/03/15	T	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/03/15	L	SW3510	
TCLP Extraction Volatiles	Completed				01/30/15	Y	EPA 1311	
Total Metals Digest	Completed				01/30/15	AG	SW846 - 3050	
Extraction of TPH SM	Completed				01/30/15	CC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	46	46	ug/Kg	02/04/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	46	46	ug/Kg	02/04/15	BB	SW8151	
2,4-D	ND	46	46	ug/Kg	02/04/15	BB	SW8151	
2,4-DB	ND	460	460	ug/Kg	02/04/15	BB	SW8151	
Dalapon	ND	46	46	ug/Kg	02/04/15	BB	SW8151	
Dicamba	ND	92	92	ug/Kg	02/04/15	BB	SW8151	
Dichloroprop	ND	46	46	ug/Kg	02/04/15	BB	SW8151	
Dinoseb	ND	92	92	ug/Kg	02/04/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	72			%	02/04/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	72	72	ug/Kg	01/31/15	AW	SW 8082	
PCB-1221	ND	72	72	ug/Kg	01/31/15	AW	SW 8082	
PCB-1232	ND	72	72	ug/Kg	01/31/15	AW	SW 8082	
PCB-1242	ND	72	72	ug/Kg	01/31/15	AW	SW 8082	
PCB-1248	ND	72	72	ug/Kg	01/31/15	AW	SW 8082	
PCB-1254	ND	72	72	ug/Kg	01/31/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 12 COMP

Phoenix I.D.: BH69292

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	72	72	ug/Kg	01/31/15	AW	SW 8082
PCB-1262	ND	72	72	ug/Kg	01/31/15	AW	SW 8082
PCB-1268	ND	72	72	ug/Kg	01/31/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	91			%	01/31/15	AW	30 - 150 %
% TCMX	85			%	01/31/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.2	2.2	ug/Kg	01/31/15	CE	SW8081
4,4' -DDE	ND	2.2	2.2	ug/Kg	01/31/15	CE	SW8081
4,4' -DDT	ND	2.2	2.2	ug/Kg	01/31/15	CE	SW8081
a-BHC	ND	7.2	7.2	ug/Kg	01/31/15	CE	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	01/31/15	CE	SW8081
Aldrin	ND	3.6	3.6	ug/Kg	01/31/15	CE	SW8081
b-BHC	ND	7.2	7.2	ug/Kg	01/31/15	CE	SW8081
Chlordane	ND	36	36	ug/Kg	01/31/15	CE	SW8081
d-BHC	ND	7.2	7.2	ug/Kg	01/31/15	CE	SW8081
Dieldrin	ND	3.6	3.6	ug/Kg	01/31/15	CE	SW8081
Endosulfan I	ND	7.2	7.2	ug/Kg	01/31/15	CE	SW8081
Endosulfan II	ND	7.2	7.2	ug/Kg	01/31/15	CE	SW8081
Endosulfan sulfate	ND	7.2	7.2	ug/Kg	01/31/15	CE	SW8081
Endrin	ND	7.2	7.2	ug/Kg	01/31/15	CE	SW8081
Endrin aldehyde	ND	7.2	7.2	ug/Kg	01/31/15	CE	SW8081
Endrin ketone	ND	7.2	7.2	ug/Kg	01/31/15	CE	SW8081
g-BHC	ND	1.4	1.4	ug/Kg	01/31/15	CE	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	01/31/15	CE	SW8081
Heptachlor	ND	7.2	7.2	ug/Kg	01/31/15	CE	SW8081
Heptachlor epoxide	ND	7.2	7.2	ug/Kg	01/31/15	CE	SW8081
Methoxychlor	ND	36	36	ug/Kg	01/31/15	CE	SW8081
Toxaphene	ND	140	140	ug/Kg	01/31/15	CE	SW8081
QA/QC Surrogates							
% DCBP	84			%	01/31/15	CE	30 - 150 %
% TCMX	78			%	01/31/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/04/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/04/15	BB	SW8151
QA/QC Surrogates							
% DCAA	60			%	02/04/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/04/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/04/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/04/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/04/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/04/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/04/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/04/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/04/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/04/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/04/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/04/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/04/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/04/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/04/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/04/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/04/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/04/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/04/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/04/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/04/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	90			%	02/04/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	78			%	02/04/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	55	55	mg/Kg	01/31/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	64			%	01/31/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/03/15	HM	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/03/15	HM	SW8260
Benzene	ND	25	25	ug/L	02/03/15	HM	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/03/15	HM	SW8260
Chlorobenzene	ND	25	25	ug/L	02/03/15	HM	SW8260
Chloroform	ND	25	25	ug/L	02/03/15	HM	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/03/15	HM	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/03/15	HM	SW8260
Trichloroethene	ND	25	25	ug/L	02/03/15	HM	SW8260
Vinyl chloride	ND	25	25	ug/L	02/03/15	HM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100			%	02/03/15	HM	70 - 130 %
% Bromofluorobenzene	103			%	02/03/15	HM	70 - 130 %
% Dibromofluoromethane	89			%	02/03/15	HM	70 - 130 %
% Toluene-d8	97			%	02/03/15	HM	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	250	110	ug/Kg	02/01/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	02/01/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	360	360	ug/Kg	02/01/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	250	170	ug/Kg	02/01/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	02/01/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	140	120	ug/Kg	02/01/15	DD	SW 8270
2,4-Dichlorophenol	ND	140	130	ug/Kg	02/01/15	DD	SW 8270
2,4-Dimethylphenol	ND	250	89	ug/Kg	02/01/15	DD	SW 8270
2,4-Dinitrophenol	ND	250	250	ug/Kg	02/01/15	DD	SW 8270
2,4-Dinitrotoluene	ND	140	140	ug/Kg	02/01/15	DD	SW 8270
2,6-Dinitrotoluene	ND	140	110	ug/Kg	02/01/15	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	02/01/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 12 COMP

Phoenix I.D.: BH69292

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		250	100	ug/Kg	02/01/15	DD	SW 8270	
2-Methylnaphthalene	ND		250	110	ug/Kg	02/01/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		250	170	ug/Kg	02/01/15	DD	SW 8270	
2-Nitroaniline	ND		1800	360	ug/Kg	02/01/15	DD	SW 8270	
2-Nitrophenol	ND		250	230	ug/Kg	02/01/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		250	140	ug/Kg	02/01/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		140	170	ug/Kg	02/01/15	DD	SW 8270	
3-Nitroaniline	ND		1800	780	ug/Kg	02/01/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		250	390	ug/Kg	02/01/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		250	110	ug/Kg	02/01/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		250	130	ug/Kg	02/01/15	DD	SW 8270	
4-Chloroaniline	ND		720	170	ug/Kg	02/01/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		250	120	ug/Kg	02/01/15	DD	SW 8270	
4-Nitroaniline	ND		1800	120	ug/Kg	02/01/15	DD	SW 8270	
4-Nitrophenol	ND		1800	160	ug/Kg	02/01/15	DD	SW 8270	
Acenaphthene	ND		250	110	ug/Kg	02/01/15	DD	SW 8270	
Acenaphthylene	ND		140	100	ug/Kg	02/01/15	DD	SW 8270	
Acetophenone	ND		250	110	ug/Kg	02/01/15	DD	SW 8270	
Anthracene	ND		250	120	ug/Kg	02/01/15	DD	SW 8270	
Atrazine	ND		140	160	ug/Kg	02/01/15	DD	SW 8270	
Benz(a)anthracene	630		250	120	ug/Kg	02/01/15	DD	SW 8270	
Benzaldehyde	ND		250	110	ug/Kg	02/01/15	DD	SW 8270	
Benzidine	ND		540	540	ug/Kg	02/01/15	DD	SW 8270	
Benzo(a)pyrene	590		140	120	ug/Kg	02/01/15	DD	SW 8270	
Benzo(b)fluoranthene	750		250	120	ug/Kg	02/01/15	DD	SW 8270	
Benzo(ghi)perylene	280		250	120	ug/Kg	02/01/15	DD	SW 8270	
Benzo(k)fluoranthene	320		250	120	ug/Kg	02/01/15	DD	SW 8270	
Benzyl Alcohol	ND		360	360	ug/Kg	02/01/15	DD	SW 8270	
Benzyl butyl phthalate	ND		250	93	ug/Kg	02/01/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		250	99	ug/Kg	02/01/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		140	97	ug/Kg	02/01/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		250	100	ug/Kg	02/01/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		250	100	ug/Kg	02/01/15	DD	SW 8270	
Caprolactam	ND		250	640	ug/Kg	02/01/15	DD	SW 8270	
Carbazole	ND		1800	270	ug/Kg	02/01/15	DD	SW 8270	
Chrysene	570		250	120	ug/Kg	02/01/15	DD	SW 8270	
Dibenz(a,h)anthracene	140	J	140	120	ug/Kg	02/01/15	DD	SW 8270	
Dibenzofuran	ND		250	110	ug/Kg	02/01/15	DD	SW 8270	
Diethyl phthalate	ND		250	110	ug/Kg	02/01/15	DD	SW 8270	
Dimethylphthalate	ND		250	110	ug/Kg	02/01/15	DD	SW 8270	
Di-n-butylphthalate	ND		250	96	ug/Kg	02/01/15	DD	SW 8270	
Di-n-octylphthalate	ND		250	93	ug/Kg	02/01/15	DD	SW 8270	
Fluoranthene	860		250	120	ug/Kg	02/01/15	DD	SW 8270	
Fluorene	ND		250	120	ug/Kg	02/01/15	DD	SW 8270	
Hexachlorobenzene	ND		140	110	ug/Kg	02/01/15	DD	SW 8270	
Hexachlorobutadiene	ND		250	130	ug/Kg	02/01/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		250	110	ug/Kg	02/01/15	DD	SW 8270	
Hexachloroethane	ND		140	110	ug/Kg	02/01/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	330		250	120	ug/Kg	02/01/15	DD	SW 8270	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 12 COMP

Phoenix I.D.: BH69292

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND		140	100	ug/Kg	02/01/15	DD	SW 8270	
Naphthalene	ND		250	100	ug/Kg	02/01/15	DD	SW 8270	
Nitrobenzene	ND		140	130	ug/Kg	02/01/15	DD	SW 8270	
N-Nitrosodimethylamine	ND		250	100	ug/Kg	02/01/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		140	120	ug/Kg	02/01/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND		140	140	ug/Kg	02/01/15	DD	SW 8270	
Pentachlorophenol	ND		250	140	ug/Kg	02/01/15	DD	SW 8270	
Phenanthrene	100	J	140	100	ug/Kg	02/01/15	DD	SW 8270	
Phenol	ND		250	120	ug/Kg	02/01/15	DD	SW 8270	
Pyrene	770		250	120	ug/Kg	02/01/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	98				%	02/01/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	79				%	02/01/15	DD	30 - 130 %	
% 2-Fluorophenol	75				%	02/01/15	DD	30 - 130 %	
% Nitrobenzene-d5	95				%	02/01/15	DD	30 - 130 %	
% Phenol-d5	80				%	02/01/15	DD	30 - 130 %	
% Terphenyl-d14	67				%	02/01/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral									
1,4-Dichlorobenzene	ND		83	83	ug/L	02/04/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND		83	83	ug/L	02/04/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND		83	83	ug/L	02/04/15	DD	SW 8270	
2,4-Dinitrotoluene	ND		83	83	ug/L	02/04/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		83	83	ug/L	02/04/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND		83	83	ug/L	02/04/15	DD	SW 8270	
Hexachlorobenzene	ND		83	83	ug/L	02/04/15	DD	SW 8270	
Hexachlorobutadiene	ND		83	83	ug/L	02/04/15	DD	SW 8270	
Hexachloroethane	ND		83	83	ug/L	02/04/15	DD	SW 8270	
Nitrobenzene	ND		83	83	ug/L	02/04/15	DD	SW 8270	
Pentachlorophenol	ND		83	83	ug/L	02/04/15	DD	SW 8270	
Pyridine	ND		83	83	ug/L	02/04/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	92				%	02/04/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	71				%	02/04/15	DD	30 - 130 %	
% 2-Fluorophenol	59				%	02/04/15	DD	15 - 110 %	
% Nitrobenzene-d5	80				%	02/04/15	DD	30 - 130 %	
% Phenol-d5	50				%	02/04/15	DD	15 - 110 %	
% Terphenyl-d14	101				%	02/04/15	DD	30 - 130 %	
Aniline	ND		330		ug/Kg	02/02/15	DD	SW8270	
Benzoic Acid	ND		330		ug/Kg	02/02/15	DD	SW8270	1
Parathion	ND		5		ug/Kg	02/02/15	DD	SW8270	1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
February 06, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 06, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	01/30/15	11:45
Location Code:	IMPACT	Received by:	SW	01/30/15	17:25
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH69277
Phoenix ID: BH69293

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 21 4-5

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	01/30/15	I	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	5.5	1.1	ug/Kg	02/01/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	5.5	1.1	ug/Kg	02/01/15	JLI	SW8260
1,3-Dichlorobenzene	ND	5.5	1.1	ug/Kg	02/01/15	JLI	SW8260
Naphthalene	ND	5.5	1.5	ug/Kg	02/01/15	JLI	SW8260
n-Butylbenzene	ND	5.5	1.1	ug/Kg	02/01/15	JLI	SW8260
n-Propylbenzene	ND	5.5	1.1	ug/Kg	02/01/15	JLI	SW8260
p-Isopropyltoluene	ND	5.5	1.1	ug/Kg	02/01/15	JLI	SW8260
sec-Butylbenzene	ND	5.5	1.1	ug/Kg	02/01/15	JLI	SW8260
tert-Butylbenzene	ND	5.5	1.1	ug/Kg	02/01/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	103			%	02/01/15	JLI	SW8260
% Bromofluorobenzene	97			%	02/01/15	JLI	SW8260
% Dibromofluoromethane	102			%	02/01/15	JLI	SW8260
% Toluene-d8	101			%	02/01/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	100	100	ug/kg	02/01/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.5	1.1	ug/Kg	02/01/15	JLI	SW8260
1,1,1-Trichloroethane	ND	5.5	1.1	ug/Kg	02/01/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.5	0.77	ug/Kg	02/01/15	JLI	SW8260
1,1,2-Trichloroethane	ND	5.5	0.53	ug/Kg	02/01/15	JLI	SW8260
1,1-Dichloroethane	ND	5.5	1.1	ug/Kg	02/01/15	JLI	SW8260
1,1-Dichloroethene	ND	5.5	1.2	ug/Kg	02/01/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 21 4-5

Phoenix I.D.: BH69293

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		5.5	0.73	ug/Kg	02/01/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		5.5	0.64	ug/Kg	02/01/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		5.5	1.5	ug/Kg	02/01/15	JLI	SW8260
1,2-Dibromoethane	ND		5.5	1.4	ug/Kg	02/01/15	JLI	SW8260
1,2-Dichlorobenzene	ND		5.5	0.60	ug/Kg	02/01/15	JLI	SW8260
1,2-Dichloroethane	ND		5.5	0.48	ug/Kg	02/01/15	JLI	SW8260
1,2-Dichloropropane	ND		5.5	0.77	ug/Kg	02/01/15	JLI	SW8260
1,3-Dichlorobenzene	ND		5.5	0.81	ug/Kg	02/01/15	JLI	SW8260
1,4-Dichlorobenzene	ND		5.5	0.86	ug/Kg	02/01/15	JLI	SW8260
2-Hexanone	ND		27	2.5	ug/Kg	02/01/15	JLI	SW8260
4-Methyl-2-pentanone	ND		27	1.3	ug/Kg	02/01/15	JLI	SW8260
Acetone	ND		55	5.4	ug/Kg	02/01/15	JLI	SW8260
Acrolein	ND		27	4.4	ug/Kg	02/01/15	JLI	SW8260
Acrylonitrile	ND		11	3.1	ug/Kg	02/01/15	JLI	SW8260
Benzene	ND		5.5	1.1	ug/Kg	02/01/15	JLI	SW8260
Bromochloromethane	ND		5.5	0.80	ug/Kg	02/01/15	JLI	SW8260
Bromodichloromethane	ND		5.5	0.68	ug/Kg	02/01/15	JLI	SW8260
Bromoform	ND		5.5	0.76	ug/Kg	02/01/15	JLI	SW8260
Bromomethane	ND		5.5	4.2	ug/Kg	02/01/15	JLI	SW8260
Carbon Disulfide	ND		5.5	0.88	ug/Kg	02/01/15	JLI	SW8260
Carbon tetrachloride	ND		5.5	0.63	ug/Kg	02/01/15	JLI	SW8260
Chlorobenzene	ND		5.5	0.81	ug/Kg	02/01/15	JLI	SW8260
Chloroethane	ND		5.5	1.3	ug/Kg	02/01/15	JLI	SW8260
Chloroform	ND		5.5	0.99	ug/Kg	02/01/15	JLI	SW8260
Chloromethane	ND		5.5	2.9	ug/Kg	02/01/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		5.5	1.2	ug/Kg	02/01/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		5.5	0.59	ug/Kg	02/01/15	JLI	SW8260
Cyclohexane	ND		5.5	5.5	ug/Kg	02/01/15	JLI	SW8260
Dibromochloromethane	ND		5.5	0.61	ug/Kg	02/01/15	JLI	SW8260
Dichlorodifluoromethane	ND		5.5	1.4	ug/Kg	02/01/15	JLI	SW8260
Ethylbenzene	ND		5.5	0.99	ug/Kg	02/01/15	JLI	SW8260
Isopropylbenzene	ND		5.5	1.0	ug/Kg	02/01/15	JLI	SW8260
m&p-Xylene	ND		5.5	2.1	ug/Kg	02/01/15	JLI	SW8260
Methyl ethyl ketone	ND		33	4.7	ug/Kg	02/01/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		11	1.5	ug/Kg	02/01/15	JLI	SW8260
Methylacetate	ND		5.5	5.5	ug/Kg	02/01/15	JLI	SW8260
Methylcyclohexane	ND		5.5	5.5	ug/Kg	02/01/15	JLI	SW8260
Methylene chloride	1.9	JS	5.5	0.89	ug/Kg	02/01/15	JLI	SW8260
o-Xylene	ND		5.5	2.1	ug/Kg	02/01/15	JLI	SW8260
Styrene	ND		5.5	1.6	ug/Kg	02/01/15	JLI	SW8260
tert-butyl alcohol	ND		110	110	ug/Kg	02/01/15	JLI	SW8260
Tetrachloroethene	ND		5.5	1.1	ug/Kg	02/01/15	JLI	SW8260
Toluene	ND		5.5	0.86	ug/Kg	02/01/15	JLI	SW8260
Total Xylenes	ND		5.5	5.5	ug/Kg	02/01/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		5.5	1.1	ug/Kg	02/01/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		5.5	1.1	ug/Kg	02/01/15	JLI	SW8260
Trichloroethene	ND		5.5	1.2	ug/Kg	02/01/15	JLI	SW8260
Trichlorofluoromethane	ND		5.5	1.2	ug/Kg	02/01/15	JLI	SW8260
Trichlorotrifluoroethane	ND		5.5	0.85	ug/Kg	02/01/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 21 4-5

Phoenix I.D.: BH69293

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	5.5	1.8	ug/Kg	02/01/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	103			%	02/01/15	JLI	70 - 130 %	
% Bromofluorobenzene	95			%	02/01/15	JLI	70 - 130 %	
% Dibromofluoromethane	102			%	02/01/15	JLI	70 - 130 %	
% Toluene-d8	101			%	02/01/15	JLI	70 - 130 %	
Vinyl Acetate	ND	55	55	ug/Kg	02/01/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

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 06, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 06, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	01/30/15	11:45
Location Code:	IMPACT	Received by:	SW	01/30/15	17:25
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH69277
Phoenix ID: BH69294

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 21 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.37	0.37	0.37	mg/Kg	02/01/15	LK	SW6010	
Aluminum	1390	5.6	0.74	mg/Kg	02/01/15	LK	SW6010	
Arsenic	1.1	0.7	0.74	mg/Kg	02/01/15	LK	SW6010	
Barium	5.81	0.37	0.37	mg/Kg	02/01/15	LK	SW6010	
Beryllium	< 0.30	0.30	0.15	mg/Kg	02/01/15	LK	SW6010	
Calcium	469	5.6	3.4	mg/Kg	02/01/15	LK	SW6010	
Cadmium	< 0.37	0.37	0.15	mg/Kg	02/01/15	LK	SW6010	
Cobalt	1.22	0.37	0.37	mg/Kg	02/01/15	LK	SW6010	
Chromium	4.59	0.37	0.37	mg/Kg	02/01/15	LK	SW6010	
Copper	1.91	0.37	0.37	mg/kg	02/01/15	LK	SW6010	
Iron	2900	5.6	3.7	mg/Kg	02/01/15	LK	SW6010	
Mercury	< 0.03	0.03	0.02	mg/Kg	02/02/15	RS	SW-7471	
Potassium	335	5.6	2.9	mg/Kg	02/01/15	LK	SW6010	
Magnesium	779	5.6	3.7	mg/Kg	02/01/15	LK	SW6010	
Manganese	29.5	0.37	0.37	mg/Kg	02/01/15	LK	SW6010	
Sodium	458	5.6	3.2	mg/Kg	02/01/15	LK	SW6010	
Nickel	5.57	0.37	0.37	mg/Kg	02/01/15	LK	SW6010	
Lead	4.87	0.37	0.37	mg/Kg	02/01/15	LK	SW6010	
Antimony	< 3.7	3.7	1.9	mg/Kg	02/01/15	LK	SW6010	
Selenium	< 1.5	1.5	1.3	mg/Kg	02/01/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/01/15	LK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/01/15	LK	SW6010	
TCLP Barium	0.32	0.10	0.010	mg/L	02/01/15	LK	SW6010	B
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/01/15	LK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/01/15	LK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/02/15	RS	SW7470	
TCLP Lead	< 0.10	0.10	0.010	mg/L	02/01/15	LK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/01/15	LK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 21 COMP

Phoenix I.D.: BH69294

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.4	3.4	1.5	mg/Kg	02/01/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/01/15	I/I	SW3005	
Trivalent Chromium	4.59	0.50		mg/kg	02/03/15	CL	Calculation	
Vanadium	4.72	0.37	0.37	mg/Kg	02/01/15	LK	SW6010	
Zinc	54.5	0.37	0.37	mg/Kg	02/01/15	LK	SW6010	
Percent Solid	92			%	01/30/15	I	SW846	
Corrosivity	Negative			Pos/Neg	01/30/15	DH/KDB	SW846	1
Flash Point	>200	200		degree F	02/02/15	Y	SW1010	
Chromium, Hexavalent	< 0.45	0.45	0.45	mg/Kg	02/03/15 11:56	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/02/15	Y	SW846	1
pH - Soil	9.56	0.10		pH Units	01/30/15 19:30	DH/KDB	4500-H B/9045	1
Reactivity Cyanide	< 5.3	5.3	0.027	mg/Kg	01/30/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/02/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/02/15	EG	SW 846-7.3	1
Redox Potential	160	1.0		mV	01/30/15	DH/KDB	SM2580B	1
Total Cyanide	1.26	0.54	0.27	mg/Kg	02/03/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				01/30/15	JC	SW3545	
Soil Extraction for Pesticide	Completed				01/30/15	JC/H	SW3545	
Soil Extraction for SVOA	Completed				01/30/15	BJ/VH	SW3545	
Mercury Digestion	Completed				02/01/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/03/15	P/D	SW8151	
TCLP Digestion Mercury	Completed				02/01/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/03/15	W/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				01/30/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				01/30/15	I	1311	
TCLP Pesticides Extraction	Completed				02/03/15	T	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/03/15	L	SW3510	
TCLP Extraction Volatiles	Completed				01/30/15	Y	EPA 1311	
Total Metals Digest	Completed				01/30/15	AG	SW846 - 3050	
Extraction of TPH SM	Completed				01/30/15	CC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	45	45	ug/Kg	02/04/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	45	45	ug/Kg	02/04/15	BB	SW8151	
2,4-D	ND	45	45	ug/Kg	02/04/15	BB	SW8151	
2,4-DB	ND	450	450	ug/Kg	02/04/15	BB	SW8151	
Dalapon	ND	45	45	ug/Kg	02/04/15	BB	SW8151	
Dicamba	ND	90	90	ug/Kg	02/04/15	BB	SW8151	
Dichloroprop	ND	45	45	ug/Kg	02/04/15	BB	SW8151	
Dinoseb	ND	90	90	ug/Kg	02/04/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	71			%	02/04/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	71	71	ug/Kg	01/31/15	AW	SW 8082	
PCB-1221	ND	71	71	ug/Kg	01/31/15	AW	SW 8082	
PCB-1232	ND	71	71	ug/Kg	01/31/15	AW	SW 8082	
PCB-1242	ND	71	71	ug/Kg	01/31/15	AW	SW 8082	
PCB-1248	ND	71	71	ug/Kg	01/31/15	AW	SW 8082	
PCB-1254	ND	71	71	ug/Kg	01/31/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 21 COMP

Phoenix I.D.: BH69294

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	71	71	ug/Kg	01/31/15	AW	SW 8082
PCB-1262	ND	71	71	ug/Kg	01/31/15	AW	SW 8082
PCB-1268	ND	71	71	ug/Kg	01/31/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	86			%	01/31/15	AW	30 - 150 %
% TCMX	79			%	01/31/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.1	2.1	ug/Kg	01/31/15	CE	SW8081
4,4' -DDE	ND	2.1	2.1	ug/Kg	01/31/15	CE	SW8081
4,4' -DDT	ND	2.1	2.1	ug/Kg	01/31/15	CE	SW8081
a-BHC	ND	7.1	7.1	ug/Kg	01/31/15	CE	SW8081
a-Chlordane	ND	3.5	3.5	ug/Kg	01/31/15	CE	SW8081
Aldrin	ND	3.5	3.5	ug/Kg	01/31/15	CE	SW8081
b-BHC	ND	7.1	7.1	ug/Kg	01/31/15	CE	SW8081
Chlordane	ND	35	35	ug/Kg	01/31/15	CE	SW8081
d-BHC	ND	7.1	7.1	ug/Kg	01/31/15	CE	SW8081
Dieldrin	ND	3.5	3.5	ug/Kg	01/31/15	CE	SW8081
Endosulfan I	ND	7.1	7.1	ug/Kg	01/31/15	CE	SW8081
Endosulfan II	ND	7.1	7.1	ug/Kg	01/31/15	CE	SW8081
Endosulfan sulfate	ND	7.1	7.1	ug/Kg	01/31/15	CE	SW8081
Endrin	ND	7.1	7.1	ug/Kg	01/31/15	CE	SW8081
Endrin aldehyde	ND	7.1	7.1	ug/Kg	01/31/15	CE	SW8081
Endrin ketone	ND	7.1	7.1	ug/Kg	01/31/15	CE	SW8081
g-BHC	ND	1.4	1.4	ug/Kg	01/31/15	CE	SW8081
g-Chlordane	ND	3.5	3.5	ug/Kg	01/31/15	CE	SW8081
Heptachlor	ND	7.1	7.1	ug/Kg	01/31/15	CE	SW8081
Heptachlor epoxide	ND	7.1	7.1	ug/Kg	01/31/15	CE	SW8081
Methoxychlor	ND	35	35	ug/Kg	01/31/15	CE	SW8081
Toxaphene	ND	140	140	ug/Kg	01/31/15	CE	SW8081
QA/QC Surrogates							
% DCBP	84			%	01/31/15	CE	30 - 150 %
% TCMX	78			%	01/31/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/04/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/04/15	BB	SW8151
QA/QC Surrogates							
% DCAA	54			%	02/04/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/04/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/04/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/04/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/04/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/04/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/04/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/04/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/04/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/04/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/04/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/04/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/04/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/04/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/04/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/04/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/04/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/04/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/04/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/04/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/04/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	95			%	02/04/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	92			%	02/04/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	53	53	mg/Kg	01/31/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	80			%	01/31/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/03/15	HM	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/03/15	HM	SW8260
Benzene	ND	25	25	ug/L	02/03/15	HM	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/03/15	HM	SW8260
Chlorobenzene	ND	25	25	ug/L	02/03/15	HM	SW8260
Chloroform	ND	25	25	ug/L	02/03/15	HM	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/03/15	HM	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/03/15	HM	SW8260
Trichloroethene	ND	25	25	ug/L	02/03/15	HM	SW8260
Vinyl chloride	ND	25	25	ug/L	02/03/15	HM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	98			%	02/03/15	HM	70 - 130 %
% Bromofluorobenzene	106			%	02/03/15	HM	70 - 130 %
% Dibromofluoromethane	91			%	02/03/15	HM	70 - 130 %
% Toluene-d8	97			%	02/03/15	HM	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	250	110	ug/Kg	02/01/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	02/01/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	360	360	ug/Kg	02/01/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	250	170	ug/Kg	02/01/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	02/01/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	02/01/15	DD	SW 8270
2,4-Dichlorophenol	ND	140	130	ug/Kg	02/01/15	DD	SW 8270
2,4-Dimethylphenol	ND	250	88	ug/Kg	02/01/15	DD	SW 8270
2,4-Dinitrophenol	ND	250	250	ug/Kg	02/01/15	DD	SW 8270
2,4-Dinitrotoluene	ND	140	140	ug/Kg	02/01/15	DD	SW 8270
2,6-Dinitrotoluene	ND	140	110	ug/Kg	02/01/15	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	02/01/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 21 COMP

Phoenix I.D.: BH69294

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND	250	100	ug/Kg	02/01/15	DD	SW 8270	
2-Methylnaphthalene	ND	250	110	ug/Kg	02/01/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	02/01/15	DD	SW 8270	
2-Nitroaniline	ND	1800	360	ug/Kg	02/01/15	DD	SW 8270	
2-Nitrophenol	ND	250	230	ug/Kg	02/01/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	02/01/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	140	170	ug/Kg	02/01/15	DD	SW 8270	
3-Nitroaniline	ND	1800	770	ug/Kg	02/01/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	250	380	ug/Kg	02/01/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	02/01/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	02/01/15	DD	SW 8270	
4-Chloroaniline	ND	710	170	ug/Kg	02/01/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	02/01/15	DD	SW 8270	
4-Nitroaniline	ND	1800	120	ug/Kg	02/01/15	DD	SW 8270	
4-Nitrophenol	ND	1800	160	ug/Kg	02/01/15	DD	SW 8270	
Acenaphthene	ND	250	110	ug/Kg	02/01/15	DD	SW 8270	
Acenaphthylene	ND	140	100	ug/Kg	02/01/15	DD	SW 8270	
Acetophenone	ND	250	110	ug/Kg	02/01/15	DD	SW 8270	
Anthracene	ND	250	120	ug/Kg	02/01/15	DD	SW 8270	
Atrazine	ND	140	160	ug/Kg	02/01/15	DD	SW 8270	
Benz(a)anthracene	ND	250	120	ug/Kg	02/01/15	DD	SW 8270	
Benzaldehyde	ND	250	110	ug/Kg	02/01/15	DD	SW 8270	
Benzidine	ND	530	530	ug/Kg	02/01/15	DD	SW 8270	
Benzo(a)pyrene	ND	140	120	ug/Kg	02/01/15	DD	SW 8270	
Benzo(b)fluoranthene	ND	250	120	ug/Kg	02/01/15	DD	SW 8270	
Benzo(ghi)perylene	ND	250	120	ug/Kg	02/01/15	DD	SW 8270	
Benzo(k)fluoranthene	ND	250	120	ug/Kg	02/01/15	DD	SW 8270	
Benzyl Alcohol	ND	360	360	ug/Kg	02/01/15	DD	SW 8270	
Benzyl butyl phthalate	ND	250	92	ug/Kg	02/01/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	250	98	ug/Kg	02/01/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	140	96	ug/Kg	02/01/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	250	99	ug/Kg	02/01/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	02/01/15	DD	SW 8270	
Caprolactam	ND	250	640	ug/Kg	02/01/15	DD	SW 8270	
Carbazole	ND	1800	270	ug/Kg	02/01/15	DD	SW 8270	
Chrysene	ND	250	120	ug/Kg	02/01/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND	140	120	ug/Kg	02/01/15	DD	SW 8270	
Dibenzofuran	ND	250	100	ug/Kg	02/01/15	DD	SW 8270	
Diethyl phthalate	ND	250	110	ug/Kg	02/01/15	DD	SW 8270	
Dimethylphthalate	ND	250	110	ug/Kg	02/01/15	DD	SW 8270	
Di-n-butylphthalate	ND	250	95	ug/Kg	02/01/15	DD	SW 8270	
Di-n-octylphthalate	ND	250	92	ug/Kg	02/01/15	DD	SW 8270	
Fluoranthene	ND	250	120	ug/Kg	02/01/15	DD	SW 8270	
Fluorene	ND	250	120	ug/Kg	02/01/15	DD	SW 8270	
Hexachlorobenzene	ND	140	100	ug/Kg	02/01/15	DD	SW 8270	
Hexachlorobutadiene	ND	250	130	ug/Kg	02/01/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	02/01/15	DD	SW 8270	
Hexachloroethane	ND	140	110	ug/Kg	02/01/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	02/01/15	DD	SW 8270	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 21 COMP

Phoenix I.D.: BH69294

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND	140	100	ug/Kg	02/01/15	DD	SW 8270	
Naphthalene	ND	250	100	ug/Kg	02/01/15	DD	SW 8270	
Nitrobenzene	ND	140	120	ug/Kg	02/01/15	DD	SW 8270	
N-Nitrosodimethylamine	ND	250	100	ug/Kg	02/01/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	140	120	ug/Kg	02/01/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND	140	140	ug/Kg	02/01/15	DD	SW 8270	
Pentachlorophenol	ND	250	130	ug/Kg	02/01/15	DD	SW 8270	
Phenanthrene	ND	140	100	ug/Kg	02/01/15	DD	SW 8270	
Phenol	ND	250	110	ug/Kg	02/01/15	DD	SW 8270	
Pyrene	ND	250	120	ug/Kg	02/01/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	93			%	02/01/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	77			%	02/01/15	DD	30 - 130 %	
% 2-Fluorophenol	72			%	02/01/15	DD	30 - 130 %	
% Nitrobenzene-d5	91			%	02/01/15	DD	30 - 130 %	
% Phenol-d5	77			%	02/01/15	DD	30 - 130 %	
% Terphenyl-d14	68			%	02/01/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral								
1,4-Dichlorobenzene	ND	83	83	ug/L	02/04/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND	83	83	ug/L	02/04/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND	83	83	ug/L	02/04/15	DD	SW 8270	
2,4-Dinitrotoluene	ND	83	83	ug/L	02/04/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	83	83	ug/L	02/04/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND	83	83	ug/L	02/04/15	DD	SW 8270	
Hexachlorobenzene	ND	83	83	ug/L	02/04/15	DD	SW 8270	
Hexachlorobutadiene	ND	83	83	ug/L	02/04/15	DD	SW 8270	
Hexachloroethane	ND	83	83	ug/L	02/04/15	DD	SW 8270	
Nitrobenzene	ND	83	83	ug/L	02/04/15	DD	SW 8270	
Pentachlorophenol	ND	83	83	ug/L	02/04/15	DD	SW 8270	
Pyridine	ND	83	83	ug/L	02/04/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	87			%	02/04/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	70			%	02/04/15	DD	30 - 130 %	
% 2-Fluorophenol	57			%	02/04/15	DD	15 - 110 %	
% Nitrobenzene-d5	78			%	02/04/15	DD	30 - 130 %	
% Phenol-d5	48			%	02/04/15	DD	15 - 110 %	
% Terphenyl-d14	99			%	02/04/15	DD	30 - 130 %	
Aniline	ND	330		ug/Kg	02/02/15	DD	SW8270	
Benzoic Acid	ND	330		ug/Kg	02/02/15	DD	SW8270	1
Parathion	ND	5		ug/Kg	02/02/15	DD	SW8270	1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

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

Comments:

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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

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

Phyllis Shiller, Laboratory Director
February 06, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 06, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	01/30/15	13:40
Location Code:	IMPACT	Received by:	SW	01/30/15	17:25
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH69277
Phoenix ID: BH69295

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 11 2-3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	01/30/15	I	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	4.7	0.94	ug/Kg	02/01/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	4.7	0.94	ug/Kg	02/01/15	JLI	SW8260
1,3-Dichlorobenzene	ND	4.7	0.94	ug/Kg	02/01/15	JLI	SW8260
Naphthalene	ND	4.7	1.3	ug/Kg	02/01/15	JLI	SW8260
n-Butylbenzene	ND	4.7	0.94	ug/Kg	02/01/15	JLI	SW8260
n-Propylbenzene	ND	4.7	0.94	ug/Kg	02/01/15	JLI	SW8260
p-Isopropyltoluene	ND	4.7	0.94	ug/Kg	02/01/15	JLI	SW8260
sec-Butylbenzene	ND	4.7	0.94	ug/Kg	02/01/15	JLI	SW8260
tert-Butylbenzene	ND	4.7	0.94	ug/Kg	02/01/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	103			%	02/01/15	JLI	SW8260
% Bromofluorobenzene	91			%	02/01/15	JLI	SW8260
% Dibromofluoromethane	102			%	02/01/15	JLI	SW8260
% Toluene-d8	99			%	02/01/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	94	94	ug/kg	02/01/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	4.7	0.94	ug/Kg	02/01/15	JLI	SW8260
1,1,1-Trichloroethane	ND	4.7	0.94	ug/Kg	02/01/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	4.7	0.67	ug/Kg	02/01/15	JLI	SW8260
1,1,2-Trichloroethane	ND	4.7	0.46	ug/Kg	02/01/15	JLI	SW8260
1,1-Dichloroethane	ND	4.7	0.93	ug/Kg	02/01/15	JLI	SW8260
1,1-Dichloroethene	ND	4.7	1.0	ug/Kg	02/01/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 11 2-3

Phoenix I.D.: BH69295

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		4.7	0.63	ug/Kg	02/01/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		4.7	0.55	ug/Kg	02/01/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		4.7	1.3	ug/Kg	02/01/15	JLI	SW8260
1,2-Dibromoethane	ND		4.7	1.3	ug/Kg	02/01/15	JLI	SW8260
1,2-Dichlorobenzene	ND		4.7	0.52	ug/Kg	02/01/15	JLI	SW8260
1,2-Dichloroethane	ND		4.7	0.41	ug/Kg	02/01/15	JLI	SW8260
1,2-Dichloropropane	ND		4.7	0.67	ug/Kg	02/01/15	JLI	SW8260
1,3-Dichlorobenzene	ND		4.7	0.70	ug/Kg	02/01/15	JLI	SW8260
1,4-Dichlorobenzene	ND		4.7	0.74	ug/Kg	02/01/15	JLI	SW8260
2-Hexanone	ND		24	2.1	ug/Kg	02/01/15	JLI	SW8260
4-Methyl-2-pentanone	ND		24	1.1	ug/Kg	02/01/15	JLI	SW8260
Acetone	ND		47	4.7	ug/Kg	02/01/15	JLI	SW8260
Acrolein	ND		24	3.8	ug/Kg	02/01/15	JLI	SW8260
Acrylonitrile	ND		9.4	2.6	ug/Kg	02/01/15	JLI	SW8260
Benzene	ND		4.7	0.93	ug/Kg	02/01/15	JLI	SW8260
Bromochloromethane	ND		4.7	0.69	ug/Kg	02/01/15	JLI	SW8260
Bromodichloromethane	ND		4.7	0.58	ug/Kg	02/01/15	JLI	SW8260
Bromoform	ND		4.7	0.66	ug/Kg	02/01/15	JLI	SW8260
Bromomethane	ND		4.7	3.6	ug/Kg	02/01/15	JLI	SW8260
Carbon Disulfide	ND		4.7	0.76	ug/Kg	02/01/15	JLI	SW8260
Carbon tetrachloride	ND		4.7	0.55	ug/Kg	02/01/15	JLI	SW8260
Chlorobenzene	ND		4.7	0.70	ug/Kg	02/01/15	JLI	SW8260
Chloroethane	ND		4.7	1.1	ug/Kg	02/01/15	JLI	SW8260
Chloroform	ND		4.7	0.86	ug/Kg	02/01/15	JLI	SW8260
Chloromethane	ND		4.7	2.5	ug/Kg	02/01/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		4.7	1.0	ug/Kg	02/01/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		4.7	0.51	ug/Kg	02/01/15	JLI	SW8260
Cyclohexane	ND		4.7	4.7	ug/Kg	02/01/15	JLI	SW8260
Dibromochloromethane	ND		4.7	0.53	ug/Kg	02/01/15	JLI	SW8260
Dichlorodifluoromethane	ND		4.7	1.3	ug/Kg	02/01/15	JLI	SW8260
Ethylbenzene	ND		4.7	0.86	ug/Kg	02/01/15	JLI	SW8260
Isopropylbenzene	ND		4.7	0.90	ug/Kg	02/01/15	JLI	SW8260
m&p-Xylene	ND		4.7	1.9	ug/Kg	02/01/15	JLI	SW8260
Methyl ethyl ketone	ND		28	4.1	ug/Kg	02/01/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		9.4	1.3	ug/Kg	02/01/15	JLI	SW8260
Methylacetate	ND		4.7	4.7	ug/Kg	02/01/15	JLI	SW8260
Methylcyclohexane	ND		4.7	4.7	ug/Kg	02/01/15	JLI	SW8260
Methylene chloride	2.0	JS	4.7	0.77	ug/Kg	02/01/15	JLI	SW8260
o-Xylene	ND		4.7	1.8	ug/Kg	02/01/15	JLI	SW8260
Styrene	ND		4.7	1.4	ug/Kg	02/01/15	JLI	SW8260
tert-butyl alcohol	ND		94	94	ug/Kg	02/01/15	JLI	SW8260
Tetrachloroethene	ND		4.7	0.99	ug/Kg	02/01/15	JLI	SW8260
Toluene	ND		4.7	0.74	ug/Kg	02/01/15	JLI	SW8260
Total Xylenes	ND		4.7	4.7	ug/Kg	02/01/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		4.7	0.94	ug/Kg	02/01/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		4.7	0.96	ug/Kg	02/01/15	JLI	SW8260
Trichloroethene	ND		4.7	1.0	ug/Kg	02/01/15	JLI	SW8260
Trichlorofluoromethane	ND		4.7	1.0	ug/Kg	02/01/15	JLI	SW8260
Trichlorotrifluoroethane	ND		4.7	0.73	ug/Kg	02/01/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 11 2-3

Phoenix I.D.: BH69295

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	4.7	1.5	ug/Kg	02/01/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	103			%	02/01/15	JLI	70 - 130 %	
% Bromofluorobenzene	88			%	02/01/15	JLI	70 - 130 %	
% Dibromofluoromethane	102			%	02/01/15	JLI	70 - 130 %	
% Toluene-d8	99			%	02/01/15	JLI	70 - 130 %	
Vinyl Acetate	ND	47	47	ug/Kg	02/01/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

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 06, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 06, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	01/30/15	13:40
Location Code:	IMPACT	Received by:	SW	01/30/15	17:25
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH69277
Phoenix ID: BH69296

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 11 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.34	0.34	0.34	mg/Kg	02/01/15	LK	SW6010	
Aluminum	1320	5.2	0.69	mg/Kg	02/01/15	LK	SW6010	
Arsenic	1.0	0.7	0.69	mg/Kg	02/01/15	LK	SW6010	
Barium	7.57	0.34	0.34	mg/Kg	02/01/15	LK	SW6010	
Beryllium	< 0.27	0.27	0.14	mg/Kg	02/01/15	LK	SW6010	
Calcium	958	5.2	3.2	mg/Kg	02/01/15	LK	SW6010	
Cadmium	< 0.34	0.34	0.14	mg/Kg	02/01/15	LK	SW6010	
Cobalt	1.14	0.34	0.34	mg/Kg	02/01/15	LK	SW6010	
Chromium	4.75	0.34	0.34	mg/Kg	02/01/15	LK	SW6010	
Copper	2.21	0.34	0.34	mg/kg	02/01/15	LK	SW6010	
Iron	2620	5.2	3.4	mg/Kg	02/01/15	LK	SW6010	
Mercury	< 0.03	0.03	0.02	mg/Kg	02/02/15	RS	SW-7471	
Potassium	275	5.2	2.7	mg/Kg	02/01/15	LK	SW6010	
Magnesium	537	5.2	3.4	mg/Kg	02/01/15	LK	SW6010	
Manganese	32.7	0.34	0.34	mg/Kg	02/01/15	LK	SW6010	
Sodium	80.7	5.2	3.0	mg/Kg	02/01/15	LK	SW6010	
Nickel	3.91	0.34	0.34	mg/Kg	02/01/15	LK	SW6010	
Lead	3.22	0.34	0.34	mg/Kg	02/01/15	LK	SW6010	
Antimony	< 3.4	3.4	1.7	mg/Kg	02/01/15	LK	SW6010	
Selenium	< 1.4	1.4	1.2	mg/Kg	02/01/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	02/01/15	LK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	02/01/15	LK	SW6010	
TCLP Barium	0.23	0.10	0.010	mg/L	02/01/15	LK	SW6010	B
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	02/01/15	LK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	02/01/15	LK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	02/02/15	RS	SW7470	
TCLP Lead	< 0.10	0.10	0.010	mg/L	02/01/15	LK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	02/01/15	LK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 11 COMP

Phoenix I.D.: BH69296

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.1	3.1	1.4	mg/Kg	02/01/15	LK	SW6010	
TCLP Metals Digestion	Completed				02/01/15	I/I	SW3005	
Trivalent Chromium	4.75	0.50		mg/kg	02/03/15	CL	Calculation	
Vanadium	4.27	0.34	0.34	mg/Kg	02/01/15	LK	SW6010	
Zinc	21.8	0.34	0.34	mg/Kg	02/01/15	LK	SW6010	
Percent Solid	91			%	01/30/15	I	SW846	
Corrosivity	Negative			Pos/Neg	01/30/15	DH/KDB	SW846	1
Flash Point	>200	200		degree F	02/02/15	Y	SW1010	
Chromium, Hexavalent	< 0.44	0.44	0.44	mg/Kg	02/03/15 11:56	CL	SW3060/7196	
Ignitability	Passed	140		degree F	02/02/15	Y	SW846	1
pH - Soil	9.33	0.10		pH Units	01/30/15 19:30	DH/KDB	4500-H B/9045	1
Reactivity Cyanide	< 5.4	5.4	0.027	mg/Kg	01/30/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/02/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/02/15	EG	SW 846-7.3	1
Redox Potential	150	1.0		mV	01/30/15	DH/KDB	SM2580B	1
Total Cyanide	< 0.55	0.55	0.27	mg/Kg	02/03/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				01/30/15	JC	SW3545	
Soil Extraction for Pesticide	Completed				01/30/15	JC/H	SW3545	
Soil Extraction for SVOA	Completed				01/30/15	BJ/VH	SW3545	
Mercury Digestion	Completed				02/01/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				02/03/15	P/D	SW8151	
TCLP Digestion Mercury	Completed				02/01/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				02/03/15	W/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				01/30/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				01/30/15	I	1311	
TCLP Pesticides Extraction	Completed				02/03/15	T	SW3510	
TCLP Semi-Volatile Extraction	Completed				02/03/15	L	SW3510	
TCLP Extraction Volatiles	Completed				01/30/15	Y	EPA 1311	
Total Metals Digest	Completed				01/30/15	AG	SW846 - 3050	
Extraction of TPH SM	Completed				01/30/15	CC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	45	45	ug/Kg	02/04/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	45	45	ug/Kg	02/04/15	BB	SW8151	
2,4-D	ND	45	45	ug/Kg	02/04/15	BB	SW8151	
2,4-DB	ND	450	450	ug/Kg	02/04/15	BB	SW8151	
Dalapon	ND	45	45	ug/Kg	02/04/15	BB	SW8151	
Dicamba	ND	90	90	ug/Kg	02/04/15	BB	SW8151	
Dichloroprop	ND	45	45	ug/Kg	02/04/15	BB	SW8151	
Dinoseb	ND	90	90	ug/Kg	02/04/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	76			%	02/04/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	71	71	ug/Kg	01/31/15	AW	SW 8082	
PCB-1221	ND	71	71	ug/Kg	01/31/15	AW	SW 8082	
PCB-1232	ND	71	71	ug/Kg	01/31/15	AW	SW 8082	
PCB-1242	ND	71	71	ug/Kg	01/31/15	AW	SW 8082	
PCB-1248	ND	71	71	ug/Kg	01/31/15	AW	SW 8082	
PCB-1254	ND	71	71	ug/Kg	01/31/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 11 COMP

Phoenix I.D.: BH69296

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	71	71	ug/Kg	01/31/15	AW	SW 8082
PCB-1262	ND	71	71	ug/Kg	01/31/15	AW	SW 8082
PCB-1268	ND	71	71	ug/Kg	01/31/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	95			%	01/31/15	AW	30 - 150 %
% TCMX	83			%	01/31/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.1	2.1	ug/Kg	01/31/15	CE	SW8081
4,4' -DDE	ND	2.1	2.1	ug/Kg	01/31/15	CE	SW8081
4,4' -DDT	ND	2.1	2.1	ug/Kg	01/31/15	CE	SW8081
a-BHC	ND	7.1	7.1	ug/Kg	01/31/15	CE	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	01/31/15	CE	SW8081
Aldrin	ND	3.6	3.6	ug/Kg	01/31/15	CE	SW8081
b-BHC	ND	7.1	7.1	ug/Kg	01/31/15	CE	SW8081
Chlordane	ND	36	36	ug/Kg	01/31/15	CE	SW8081
d-BHC	ND	7.1	7.1	ug/Kg	01/31/15	CE	SW8081
Dieldrin	ND	3.6	3.6	ug/Kg	01/31/15	CE	SW8081
Endosulfan I	ND	7.1	7.1	ug/Kg	01/31/15	CE	SW8081
Endosulfan II	ND	7.1	7.1	ug/Kg	01/31/15	CE	SW8081
Endosulfan sulfate	ND	7.1	7.1	ug/Kg	01/31/15	CE	SW8081
Endrin	ND	7.1	7.1	ug/Kg	01/31/15	CE	SW8081
Endrin aldehyde	ND	7.1	7.1	ug/Kg	01/31/15	CE	SW8081
Endrin ketone	ND	7.1	7.1	ug/Kg	01/31/15	CE	SW8081
g-BHC	ND	1.4	1.4	ug/Kg	01/31/15	CE	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	01/31/15	CE	SW8081
Heptachlor	ND	7.1	7.1	ug/Kg	01/31/15	CE	SW8081
Heptachlor epoxide	ND	7.1	7.1	ug/Kg	01/31/15	CE	SW8081
Methoxychlor	ND	36	36	ug/Kg	01/31/15	CE	SW8081
Toxaphene	ND	140	140	ug/Kg	01/31/15	CE	SW8081
QA/QC Surrogates							
% DCBP	91			%	01/31/15	CE	30 - 150 %
% TCMX	86			%	01/31/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/04/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/04/15	BB	SW8151
QA/QC Surrogates							
% DCAA	67			%	02/04/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/04/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/04/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/04/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/04/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/04/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/04/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/04/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/04/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/04/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/04/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/04/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/04/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/04/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/04/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/04/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/04/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/04/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/04/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/04/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/04/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	85			%	02/04/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	85			%	02/04/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	54	54	mg/Kg	01/31/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	63			%	01/31/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	02/03/15	HM	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	02/03/15	HM	SW8260
Benzene	ND	25	25	ug/L	02/03/15	HM	SW8260
Carbon tetrachloride	ND	25	25	ug/L	02/03/15	HM	SW8260
Chlorobenzene	ND	25	25	ug/L	02/03/15	HM	SW8260
Chloroform	ND	25	25	ug/L	02/03/15	HM	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	02/03/15	HM	SW8260
Tetrachloroethene	ND	25	25	ug/L	02/03/15	HM	SW8260
Trichloroethene	ND	25	25	ug/L	02/03/15	HM	SW8260
Vinyl chloride	ND	25	25	ug/L	02/03/15	HM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99			%	02/03/15	HM	70 - 130 %
% Bromofluorobenzene	105			%	02/03/15	HM	70 - 130 %
% Dibromofluoromethane	89			%	02/03/15	HM	70 - 130 %
% Toluene-d8	97			%	02/03/15	HM	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	250	110	ug/Kg	02/01/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	02/01/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	360	360	ug/Kg	02/01/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	250	170	ug/Kg	02/01/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	02/01/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	140	120	ug/Kg	02/01/15	DD	SW 8270
2,4-Dichlorophenol	ND	140	130	ug/Kg	02/01/15	DD	SW 8270
2,4-Dimethylphenol	ND	250	89	ug/Kg	02/01/15	DD	SW 8270
2,4-Dinitrophenol	ND	250	250	ug/Kg	02/01/15	DD	SW 8270
2,4-Dinitrotoluene	ND	140	140	ug/Kg	02/01/15	DD	SW 8270
2,6-Dinitrotoluene	ND	140	110	ug/Kg	02/01/15	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	02/01/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 11 COMP

Phoenix I.D.: BH69296

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND	250	100	ug/Kg	02/01/15	DD	SW 8270	
2-Methylnaphthalene	ND	250	110	ug/Kg	02/01/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	02/01/15	DD	SW 8270	
2-Nitroaniline	ND	1800	360	ug/Kg	02/01/15	DD	SW 8270	
2-Nitrophenol	ND	250	230	ug/Kg	02/01/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	02/01/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	140	170	ug/Kg	02/01/15	DD	SW 8270	
3-Nitroaniline	ND	1800	790	ug/Kg	02/01/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	250	390	ug/Kg	02/01/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	250	110	ug/Kg	02/01/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	02/01/15	DD	SW 8270	
4-Chloroaniline	ND	720	170	ug/Kg	02/01/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	02/01/15	DD	SW 8270	
4-Nitroaniline	ND	1800	120	ug/Kg	02/01/15	DD	SW 8270	
4-Nitrophenol	ND	1800	160	ug/Kg	02/01/15	DD	SW 8270	
Acenaphthene	ND	250	110	ug/Kg	02/01/15	DD	SW 8270	
Acenaphthylene	ND	140	100	ug/Kg	02/01/15	DD	SW 8270	
Acetophenone	ND	250	110	ug/Kg	02/01/15	DD	SW 8270	
Anthracene	ND	250	120	ug/Kg	02/01/15	DD	SW 8270	
Atrazine	ND	140	160	ug/Kg	02/01/15	DD	SW 8270	
Benz(a)anthracene	ND	250	120	ug/Kg	02/01/15	DD	SW 8270	
Benzaldehyde	ND	250	110	ug/Kg	02/01/15	DD	SW 8270	
Benzidine	ND	540	540	ug/Kg	02/01/15	DD	SW 8270	
Benzo(a)pyrene	ND	140	120	ug/Kg	02/01/15	DD	SW 8270	
Benzo(b)fluoranthene	ND	250	120	ug/Kg	02/01/15	DD	SW 8270	
Benzo(ghi)perylene	ND	250	120	ug/Kg	02/01/15	DD	SW 8270	
Benzo(k)fluoranthene	ND	250	120	ug/Kg	02/01/15	DD	SW 8270	
Benzyl Alcohol	ND	360	360	ug/Kg	02/01/15	DD	SW 8270	
Benzyl butyl phthalate	ND	250	93	ug/Kg	02/01/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	250	100	ug/Kg	02/01/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	140	97	ug/Kg	02/01/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	250	100	ug/Kg	02/01/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	02/01/15	DD	SW 8270	
Caprolactam	ND	250	650	ug/Kg	02/01/15	DD	SW 8270	
Carbazole	ND	1800	270	ug/Kg	02/01/15	DD	SW 8270	
Chrysene	ND	250	120	ug/Kg	02/01/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND	140	120	ug/Kg	02/01/15	DD	SW 8270	
Dibenzofuran	ND	250	110	ug/Kg	02/01/15	DD	SW 8270	
Diethyl phthalate	ND	250	110	ug/Kg	02/01/15	DD	SW 8270	
Dimethylphthalate	ND	250	110	ug/Kg	02/01/15	DD	SW 8270	
Di-n-butylphthalate	ND	250	96	ug/Kg	02/01/15	DD	SW 8270	
Di-n-octylphthalate	ND	250	93	ug/Kg	02/01/15	DD	SW 8270	
Fluoranthene	ND	250	120	ug/Kg	02/01/15	DD	SW 8270	
Fluorene	ND	250	120	ug/Kg	02/01/15	DD	SW 8270	
Hexachlorobenzene	ND	140	110	ug/Kg	02/01/15	DD	SW 8270	
Hexachlorobutadiene	ND	250	130	ug/Kg	02/01/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	02/01/15	DD	SW 8270	
Hexachloroethane	ND	140	110	ug/Kg	02/01/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	02/01/15	DD	SW 8270	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 11 COMP

Phoenix I.D.: BH69296

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND	140	100	ug/Kg	02/01/15	DD	SW 8270	
Naphthalene	ND	250	100	ug/Kg	02/01/15	DD	SW 8270	
Nitrobenzene	ND	140	130	ug/Kg	02/01/15	DD	SW 8270	
N-Nitrosodimethylamine	ND	250	100	ug/Kg	02/01/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	140	120	ug/Kg	02/01/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND	140	140	ug/Kg	02/01/15	DD	SW 8270	
Pentachlorophenol	ND	250	140	ug/Kg	02/01/15	DD	SW 8270	
Phenanthrene	ND	140	100	ug/Kg	02/01/15	DD	SW 8270	
Phenol	ND	250	120	ug/Kg	02/01/15	DD	SW 8270	
Pyrene	ND	250	120	ug/Kg	02/01/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	97			%	02/01/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	87			%	02/01/15	DD	30 - 130 %	
% 2-Fluorophenol	79			%	02/01/15	DD	30 - 130 %	
% Nitrobenzene-d5	88			%	02/01/15	DD	30 - 130 %	
% Phenol-d5	84			%	02/01/15	DD	30 - 130 %	
% Terphenyl-d14	96			%	02/01/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral								
1,4-Dichlorobenzene	ND	83	83	ug/L	02/04/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND	83	83	ug/L	02/04/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND	83	83	ug/L	02/04/15	DD	SW 8270	
2,4-Dinitrotoluene	ND	83	83	ug/L	02/04/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	83	83	ug/L	02/04/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND	83	83	ug/L	02/04/15	DD	SW 8270	
Hexachlorobenzene	ND	83	83	ug/L	02/04/15	DD	SW 8270	
Hexachlorobutadiene	ND	83	83	ug/L	02/04/15	DD	SW 8270	
Hexachloroethane	ND	83	83	ug/L	02/04/15	DD	SW 8270	
Nitrobenzene	ND	83	83	ug/L	02/04/15	DD	SW 8270	
Pentachlorophenol	ND	83	83	ug/L	02/04/15	DD	SW 8270	
Pyridine	ND	83	83	ug/L	02/04/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	92			%	02/04/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	67			%	02/04/15	DD	30 - 130 %	
% 2-Fluorophenol	53			%	02/04/15	DD	15 - 110 %	
% Nitrobenzene-d5	79			%	02/04/15	DD	30 - 130 %	
% Phenol-d5	44			%	02/04/15	DD	15 - 110 %	
% Terphenyl-d14	76			%	02/04/15	DD	30 - 130 %	
Aniline	ND	330		ug/Kg	02/02/15	DD	SW8270	
Benzoic Acid	ND	330		ug/Kg	02/02/15	DD	SW8270	1
Parathion	ND	360	140	ug/Kg	02/01/15	DD	SW8270	1

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 11 COMP

Phoenix I.D.: BH69296

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

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

Comments:

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
February 06, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

February 06, 2015

QA/QC Data

SDG I.D.: GBH69277

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 298240, QC Sample No: BH67993 (BH69278, BH69280, BH69282, BH69284, BH69286, BH69288)													
ICP Metals - TCLP Extraction													
Arsenic	BRL	<0.01	<0.01	NC	106	108	1.9	108	108	0.0	75 - 125	20	
Barium	0.02	0.74	0.73	1.40	98.3	102	3.7	106	102	3.8	75 - 125	20	
Cadmium	BRL	0.030	0.030	0	99.3	103	3.7	101	102	1.0	75 - 125	20	
Chromium	BRL	<0.010	<0.010	NC	98.8	103	4.2	102	102	0.0	75 - 125	20	
Lead	BRL	0.258	0.250	3.10	102	105	2.9	104	104	0.0	75 - 125	20	
Selenium	BRL	<0.01	<0.01	NC	110	113	2.7	112	113	0.9	75 - 125	20	
Silver	BRL	<0.010	<0.010	NC	104	108	3.8	110	110	0.0	75 - 125	20	
QA/QC Batch 298296, QC Sample No: BH68950 (BH69278, BH69280, BH69282, BH69284, BH69286, BH69288, BH69290, BH69292, BH69294, BH69296)													
ICP Metals - Soil													
Aluminum	BRL	4090	4110	0.50	95.7	99.6	4.0	NC	NC	NC	75 - 125	30	
Antimony	BRL	<3.3	<3.7	NC	110	114	3.6	94.3	91.4	3.1	75 - 125	30	
Arsenic	BRL	1.4	1.85	NC	103	108	4.7	96.0	94.0	2.1	75 - 125	30	
Barium	BRL	19.3	20.7	7.00	108	126	15.4	104	104	0.0	75 - 125	30	l
Beryllium	BRL	0.50	0.53	NC	101	104	2.9	99.3	97.1	2.2	75 - 125	30	
Cadmium	BRL	<0.33	<0.37	NC	93.3	98.0	4.9	97.7	96.5	1.2	75 - 125	30	
Calcium	BRL	859	869	1.20	97.2	104	6.8	NC	NC	NC	75 - 125	30	
Chromium	BRL	3.74	4.30	13.9	103	108	4.7	100	98.4	1.6	75 - 125	30	
Cobalt	BRL	2.36	2.51	6.20	87.9	91.8	4.3	99.0	97.1	1.9	75 - 125	30	
Copper	BRL	3.84	4.13	7.30	95.6	101	5.5	105	104	1.0	75 - 125	30	
Iron	BRL	8070	8810	8.80	87.8	96.8	9.8	NC	NC	NC	75 - 125	30	
Lead	BRL	2.27	2.33	2.60	94.6	97.7	3.2	98.8	96.6	2.3	75 - 125	30	
Magnesium	BRL	845	866	2.50	101	107	5.8	NC	NC	NC	75 - 125	30	
Manganese	BRL	268	290	7.90	108	113	4.5	127	127	0.0	75 - 125	30	m
Nickel	BRL	2.69	2.75	2.20	101	106	4.8	99.2	97.2	2.0	75 - 125	30	
Potassium	BRL	1070	1150	7.20	102	107	4.8	>130	>130	NC	75 - 125	30	m
Selenium	BRL	<1.3	<1.5	NC	97.6	101	3.4	86.4	84.9	1.8	75 - 125	30	
Silver	BRL	<0.33	<0.37	NC	107	111	3.7	106	104	1.9	75 - 125	30	
Sodium	BRL	266	265	0.40	108	116	7.1	>130	>130	NC	75 - 125	30	m
Thallium	BRL	<3.0	<3.3	NC	103	107	3.8	98.8	97.0	1.8	75 - 125	30	
Vanadium	BRL	7.94	8.71	9.20	111	117	5.3	100	99.5	0.5	75 - 125	30	
Zinc	BRL	22.3	24.6	9.80	94.7	99.1	4.5	98.2	97.4	0.8	75 - 125	30	
QA/QC Batch 298363, QC Sample No: BH68950 (BH69278, BH69280, BH69282, BH69284, BH69286, BH69288, BH69290, BH69292, BH69294, BH69296)													
Mercury - Soil	BRL	<0.03	<0.03	NC	106	103	2.9	94.9	94.6	0.3	70 - 130	30	

Comment:

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

QA/QC Batch 298366, QC Sample No: BH69084 (BH69290, BH69292, BH69294, BH69296)													
ICP Metals - TCLP Extraction													
Arsenic	BRL	<0.01	<0.01	NC	112	113	0.9	109	113	3.6	75 - 125	20	

QA/QC Data

SDG I.D.: GBH69277

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Barium	0.02	0.60	0.62	3.30	102	103	1.0	98.0	102	4.0	75 - 125	20	
Cadmium	BRL	0.005	<0.005	NC	109	109	0.0	103	107	3.8	75 - 125	20	
Chromium	BRL	<0.010	<0.010	NC	107	107	0.0	102	106	3.8	75 - 125	20	
Lead	BRL	1.15	1.19	3.40	108	108	0.0	103	107	3.8	75 - 125	20	
Selenium	BRL	<0.04	<0.04	NC	117	117	0.0	114	118	3.4	75 - 125	20	
Silver	BRL	<0.005	<0.005	NC	120	119	0.8	116	120	3.4	75 - 125	20	
QA/QC Batch 298364, QC Sample No: BH69278 (BH69278, BH69280, BH69282, BH69284, BH69286, BH69288, BH69290, BH69292, BH69294, BH69296)													
Mercury - Water	BRL	<0.0002	<0.0002	NC	105	100	4.9	99.2	97.6	1.6	70 - 130	20	
Comment:													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.													
QA/QC Batch 298435, QC Sample No: BH69278 (BH69278, BH69280, BH69282, BH69284, BH69286, BH69288, BH69290, BH69292, BH69294, BH69296)													
Hex Chromium - Solid													
Hexavalent Cr	BRL	<0.46	<0.46	NC	98.2						70 - 130	30	
Insoluble Cr					103			102			70 - 130	30	
Soluble Cr					94.7			<10.0%			70 - 130	30	m
Comment:													
Soluble spike was analyzed twice with similar recoveries. Post digestion spike recovery was 110.0%.													

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

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

February 06, 2015

QA/QC Data

SDG I.D.: GBH69277

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 298356, QC Sample No: BH69084 (BH69278, BH69280, BH69282, BH69284, BH69286, BH69288, BH69290, BH69292, BH69294)												
pH - Soil		8.00	8.05	0.60	97.3						85 - 115	20
QA/QC Batch 298336, QC Sample No: BH69084 (BH69278, BH69280, BH69282, BH69284, BH69286, BH69288, BH69290, BH69292, BH69294, BH69296)												
Reactivity Cyanide	BRL	<5.4	<5.4	NC	98.2						85 - 115	30
QA/QC Batch 298393, QC Sample No: BH69085 (BH69278, BH69280, BH69282, BH69284, BH69286, BH69288, BH69290, BH69292, BH69294, BH69296)												
Flash Point		>200	>200	NC	100						85 - 115	30
QA/QC Batch 298321, QC Sample No: BH69278 (BH69278, BH69280, BH69282, BH69284, BH69286)												
Total Cyanide	BRL	<0.57	<0.57	NC	96.4			97.5			85 - 115	30
QA/QC Batch 298467, QC Sample No: BH69290 (BH69288, BH69290, BH69292, BH69294, BH69296)												
Total Cyanide	BRL	0.66	0.80	NC	97.8			98.9			85 - 115	30
QA/QC Batch 298357, QC Sample No: BH69352 (BH69296)												
pH - Soil		6.49	6.36	2.00	97.3						85 - 115	20

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QA/QC Report

February 06, 2015

QA/QC Data

SDG I.D.: GBH69277

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 298541, QC Sample No: BH67768 (BH69281)									
Volatiles - Solid									
1,2,4-Trimethylbenzene	ND	86	95	9.9	80	94	16.1	70 - 130	30
1,3,5-Trimethylbenzene	ND	95	97	2.1	85	97	13.2	70 - 130	30
1,3-Dichlorobenzene	ND	91	96	5.3	79	92	15.2	70 - 130	30
1,4-dioxane	NR	NR	NR	NC	NR	NR	NC	70 - 130	30
Naphthalene	ND	100	100	0.0	82	86	4.8	70 - 130	30
n-Butylbenzene	ND	94	98	4.2	81	95	15.9	70 - 130	30
n-Propylbenzene	ND	88	94	6.6	80	100	22.2	70 - 130	30
p-Isopropyltoluene	ND	98	97	1.0	88	97	9.7	70 - 130	30
sec-Butylbenzene	ND	97	101	4.0	89	100	11.6	70 - 130	30
tert-Butylbenzene	ND	96	98	2.1	85	101	17.2	70 - 130	30
% 1,2-dichlorobenzene-d4	101	93	101	8.2	88	99	11.8	70 - 130	30
% Bromofluorobenzene	99	104	100	3.9	100	99	1.0	70 - 130	30
% Dibromofluoromethane	103	99	100	1.0	103	97	6.0	70 - 130	30
% Toluene-d8	104	98	101	3.0	102	98	4.0	70 - 130	30

Comment:

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

QA/QC Batch 298208, QC Sample No: BH68751 (BH69278, BH69280, BH69282, BH69284, BH69286, BH69288, BH69290, BH69292, BH69294, BH69296)

Pesticides - Solid

4,4' -DDD	ND	91	105	14.3	86	88	2.3	40 - 140	30
4,4' -DDE	ND	92	105	13.2	83	86	3.6	40 - 140	30
4,4' -DDT	ND	96	112	15.4	92	94	2.2	40 - 140	30
a-BHC	ND	96	108	11.8	97	101	4.0	40 - 140	30
a-Chlordane	ND	94	107	12.9	87	90	3.4	40 - 140	30
Aldrin	ND	93	105	12.1	86	90	4.5	40 - 140	30
b-BHC	ND	99	111	11.4	98	102	4.0	40 - 140	30
Chlordane	ND	98	110	11.5	91	94	3.2	40 - 140	30
d-BHC	ND	86	96	11.0	86	90	4.5	40 - 140	30
Dieldrin	ND	95	109	13.7	94	97	3.1	40 - 140	30
Endosulfan I	ND	103	116	11.9	95	100	5.1	40 - 140	30
Endosulfan II	ND	80	91	12.9	101	104	2.9	40 - 140	30
Endosulfan sulfate	ND	69	80	14.8	81	79	2.5	40 - 140	30
Endrin	ND	107	123	13.9	103	107	3.8	40 - 140	30
Endrin aldehyde	ND	72	86	17.7	98	95	3.1	40 - 140	30
Endrin ketone	ND	78	91	15.4	83	82	1.2	40 - 140	30
g-BHC	ND	97	108	10.7	99	104	4.9	40 - 140	30
g-Chlordane	ND	98	110	11.5	91	94	3.2	40 - 140	30
Heptachlor	ND	98	109	10.6	93	96	3.2	40 - 140	30
Heptachlor epoxide	ND	97	110	12.6	94	98	4.2	40 - 140	30
Methoxychlor	ND	94	109	14.8	99	102	3.0	40 - 140	30
Toxaphene	ND	NA	NA	NC	NA	NA	NC	40 - 140	30

QA/QC Data

SDG I.D.: GBH69277

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
% DCBP	91	85	97	13.2	81	82	1.2	30 - 150	30	
% TCMX	99	91	102	11.4	87	90	3.4	30 - 150	30	
QA/QC Batch 298207, QC Sample No: BH68751 (BH69296)										
Polychlorinated Biphenyls - Solid										
PCB-1016	ND	98	90	8.5	86	86	0.0	40 - 140	30	
PCB-1221	ND							40 - 140	30	
PCB-1232	ND							40 - 140	30	
PCB-1242	ND							40 - 140	30	
PCB-1248	ND							40 - 140	30	
PCB-1254	ND							40 - 140	30	
PCB-1260	ND	101	92	9.3	85	87	2.3	40 - 140	30	
PCB-1262	ND							40 - 140	30	
PCB-1268	ND							40 - 140	30	
% DCBP (Surrogate Rec)	85	104	100	3.9	88	89	1.1	30 - 150	30	
% TCMX (Surrogate Rec)	68	102	95	7.1	87	89	2.3	30 - 150	30	
QA/QC Batch 298209, QC Sample No: BH68751 (BH69278, BH69280, BH69282, BH69284, BH69286, BH69288, BH69290, BH69292, BH69294)										
Semivolatiles - Solid										
1,1-Biphenyl	ND	75			86	86	0.0	30 - 130	30	
1,2,4,5-Tetrachlorobenzene	ND	76			86	84	2.4	30 - 130	30	
1,2-Diphenylhydrazine	ND	92			98	100	2.0	30 - 130	30	
2,3,4,6-tetrachlorophenol	ND	86			96	99	3.1	30 - 130	30	
2,4,5-Trichlorophenol	ND	87			96	98	2.1	30 - 130	30	
2,4,6-Trichlorophenol	ND	85			97	97	0.0	30 - 130	30	
2,4-Dichlorophenol	ND	84			95	95	0.0	30 - 130	30	
2,4-Dimethylphenol	ND	82			96	93	3.2	30 - 130	30	
2,4-Dinitrophenol	ND	30			<10	<10	NC	30 - 130	30	m
2,4-Dinitrotoluene	ND	85			90	94	4.3	30 - 130	30	
2,6-Dinitrotoluene	ND	80			86	90	4.5	30 - 130	30	
2-Chloronaphthalene	ND	77			88	89	1.1	30 - 130	30	
2-Chlorophenol	ND	79			90	89	1.1	30 - 130	30	
2-Methylnaphthalene	ND	78			88	89	1.1	30 - 130	30	
2-Methylphenol (o-cresol)	ND	82			94	93	1.1	30 - 130	30	
2-Nitroaniline	ND	89			91	99	8.4	30 - 130	30	
2-Nitrophenol	ND	78			89	90	1.1	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	83			92	93	1.1	30 - 130	30	
3,3'-Dichlorobenzidine	ND	68			69	76	9.7	30 - 130	30	
3-Nitroaniline	ND	82			79	81	2.5	30 - 130	30	
4,6-Dinitro-2-methylphenol	ND	55			28	24	15.4	30 - 130	30	m
4-Bromophenyl phenyl ether	ND	80			87	85	2.3	30 - 130	30	
4-Chloro-3-methylphenol	ND	91			100	101	1.0	30 - 130	30	
4-Chloroaniline	ND	68			57	59	3.4	30 - 130	30	
4-Chlorophenyl phenyl ether	ND	77			84	84	0.0	30 - 130	30	
4-Nitroaniline	ND	88			96	98	2.1	30 - 130	30	
4-Nitrophenol	ND	85			96	102	6.1	30 - 130	30	
Acenaphthene	ND	78			89	91	2.2	30 - 130	30	
Acenaphthylene	ND	78			NC	NC	NC	30 - 130	30	
Acetophenone	ND	78			86	87	1.2	30 - 130	30	
Anthracene	ND	80			NC	NC	NC	30 - 130	30	
Atrazine	ND	87			94	97	3.1	30 - 130	30	
Benz(a)anthracene	ND	83			NC	NC	NC	30 - 130	30	
Benzaldehyde	ND	40			55	67	19.7	30 - 130	30	

QA/QC Data

SDG I.D.: GBH69277

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Benzidine	ND	16			<10	<10	NC	30 - 130	30	l,m
Benzo(a)pyrene	ND	80			NC	NC	NC	30 - 130	30	
Benzo(b)fluoranthene	ND	80			NC	NC	NC	30 - 130	30	
Benzo(ghi)perylene	ND	84			NC	NC	NC	30 - 130	30	
Benzo(k)fluoranthene	ND	74			NC	NC	NC	30 - 130	30	
Benzyl Alcohol	ND	84			92	94	2.2	30 - 130	30	
Benzyl butyl phthalate	ND	82			92	102	10.3	30 - 130	30	
Bis(2-chloroethoxy)methane	ND	80			89	91	2.2	30 - 130	30	
Bis(2-chloroethyl)ether	ND	74			86	84	2.4	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	85			93	94	1.1	30 - 130	30	
Bis(2-ethylhexyl)phthalate	ND	87			NC	NC	NC	30 - 130	30	
Caprolactam	ND	63			76	82	7.6	30 - 130	30	
Carbazole	ND	86			97	102	5.0	30 - 130	30	
Chrysene	ND	85			NC	NC	NC	30 - 130	30	
Dibenz(a,h)anthracene	ND	82			NC	NC	NC	30 - 130	30	
Dibenzofuran	ND	82			91	93	2.2	30 - 130	30	
Diethyl phthalate	ND	83			88	92	4.4	30 - 130	30	
Dimethylphthalate	ND	81			87	89	2.3	30 - 130	30	
Di-n-butylphthalate	ND	83			89	93	4.4	30 - 130	30	
Di-n-octylphthalate	ND	93			95	99	4.1	30 - 130	30	
Fluoranthene	ND	77			NC	NC	NC	30 - 130	30	
Fluorene	ND	77			85	86	1.2	30 - 130	30	
Hexachlorobenzene	ND	82			88	87	1.1	30 - 130	30	
Hexachlorobutadiene	ND	70			80	80	0.0	30 - 130	30	
Hexachlorocyclopentadiene	ND	85			54	51	5.7	30 - 130	30	
Hexachloroethane	ND	65			73	72	1.4	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	82			NC	NC	NC	30 - 130	30	
Isophorone	ND	76			85	87	2.3	30 - 130	30	
Naphthalene	ND	74			NC	NC	NC	30 - 130	30	
Nitrobenzene	ND	77			85	86	1.2	30 - 130	30	
N-Nitrosodimethylamine	ND	65			74	76	2.7	30 - 130	30	
N-Nitrosodi-n-propylamine	ND	79			90	90	0.0	30 - 130	30	
N-Nitrosodiphenylamine	ND	86			94	96	2.1	30 - 130	30	
Pentachlorophenol	ND	89			112	110	1.8	30 - 130	30	
Phenanthrene	ND	80			NC	NC	NC	30 - 130	30	
Phenol	ND	71			92	92	0.0	30 - 130	30	
Pyrene	ND	80			NC	NC	NC	30 - 130	30	
% 2,4,6-Tribromophenol	83	82			93	92	1.1	30 - 130	30	
% 2-Fluorobiphenyl	72	74			83	83	0.0	30 - 130	30	
% 2-Fluorophenol	68	77			84	84	0.0	30 - 130	30	
% Nitrobenzene-d5	69	75			83	83	0.0	30 - 130	30	
% Phenol-d5	74	80			89	89	0.0	30 - 130	30	
% Terphenyl-d14	76	80			82	84	2.4	30 - 130	30	

Comment:

This QC batch consists of a blank, LCS, MS and MSD.

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 298372, QC Sample No: BH69205 (BH69281 (25X) , BH69283 (25X))

Volatiles (TCL) - Solid

1,2,3-Trichlorobenzene	ND	97	106	8.9	83	80	3.7	70 - 130	30
1,2,4-Trichlorobenzene	ND	97	105	7.9	81	78	3.8	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	98	120	20.2	88	84	4.7	70 - 130	30

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,2-Dichlorobenzene	ND	92	103	11.3	87	83	4.7	70 - 130	30
1,3-Dichlorobenzene	ND	93	103	10.2	88	83	5.8	70 - 130	30
1,4-Dichlorobenzene	ND	93	102	9.2	86	82	4.8	70 - 130	30
Isopropylbenzene	ND	101	109	7.6	103	96	7.0	70 - 130	30
m&p-Xylene	ND	100	110	9.5	98	92	6.3	70 - 130	30
Toluene	ND	96	107	10.8	90	85	5.7	70 - 130	30
% 1,2-dichlorobenzene-d4	101	100	100	0.0	99	99	0.0	70 - 130	30
% Bromofluorobenzene	96	103	103	0.0	101	101	0.0	70 - 130	30

Comment:

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

QA/QC Batch 298370, QC Sample No: BH69205 (BH69283 (25X) , BH69287 (25X))

Volatiles - Solid

Naphthalene	ND	99	118	17.5	89	84	5.8	70 - 130	30
n-Butylbenzene	ND	100	104	3.9	97	91	6.4	70 - 130	30
% 1,2-dichlorobenzene-d4	101	100	100	0.0	99	99	0.0	70 - 130	30

Comment:

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

QA/QC Batch 298411, QC Sample No: BH69278 (BH69278, BH69280, BH69282, BH69284, BH69286, BH69288, BH69290, BH69292, BH69294, BH69296)

Chlorinated Herbicides

2,4,5-TP (Silvex)	ND	85	83	2.4				40 - 140	20
2,4-D	ND	73	71	2.8				40 - 140	20
% DCAA (Surrogate Rec)	58	69	65	6.0				30 - 150	20

QA/QC Batch 298458, QC Sample No: BH69278 (BH69278, BH69280, BH69282, BH69284, BH69286, BH69288, BH69290, BH69292, BH69294, BH69296)

Pesticides

4,4' -DDD	ND	71	86	19.1				40 - 140	20
4,4' -DDE	ND	75	90	18.2				40 - 140	20
4,4' -DDT	ND	78	93	17.5				40 - 140	20
a-BHC	ND	78	93	17.5				40 - 140	20
a-Chlordane	ND	78	94	18.6				40 - 140	20
Alachlor	ND	NA	NA	NC				40 - 140	20
Aldrin	ND	81	96	16.9				40 - 140	20
b-BHC	ND	80	97	19.2				40 - 140	20
Chlordane	ND	77	94	19.9				40 - 140	20
d-BHC	ND	71	86	19.1				40 - 140	20
Dieldrin	ND	83	100	18.6				40 - 140	20
Endosulfan I	ND	79	96	19.4				40 - 140	20
Endosulfan II	ND	77	93	18.8				40 - 140	20
Endosulfan sulfate	ND	74	89	18.4				40 - 140	20
Endrin	ND	80	96	18.2				40 - 140	20
Endrin aldehyde	ND	94	112	17.5				40 - 140	20
g-BHC	ND	83	99	17.6				40 - 140	20
g-Chlordane	ND	77	94	19.9				40 - 140	20
Heptachlor	ND	79	95	18.4				40 - 140	20
Heptachlor epoxide	ND	78	93	17.5				40 - 140	20
Methoxychlor	ND	74	88	17.3				40 - 140	20
Toxaphene	ND	NA	NA	NC				40 - 140	20
% DCBP	76	73	90	20.9				40 - 150	20 r
% TCMX	82	78	90	14.3				40 - 150	20

QA/QC Data

SDG I.D.: GBH69277

QA/QC Batch 298522, QC Sample No: BH69278 (BH69278 (5X) , BH69280 (5X) , BH69282 (5X) , BH69284 (5X) , BH69286 (5X) , BH69288 (5X) , BH69290 (5X) , BH69292 (5X) , BH69294 (5X) , BH69296 (5X))

Volatiles - TCLP

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,1-Dichloroethene	ND	121	113	6.8	78	81	3.8	70 - 130	30	
1,2-Dichloroethane	ND	86	96	11.0	95	97	2.1	70 - 130	30	
Benzene	ND	88	106	18.6	95	96	1.0	70 - 130	30	
Carbon tetrachloride	ND	84	96	13.3	92	95	3.2	70 - 130	30	
Chlorobenzene	ND	95	101	6.1	92	93	1.1	70 - 130	30	
Chloroform	ND	84	90	6.9	88	89	1.1	70 - 130	30	
Methyl ethyl ketone	ND	84	99	16.4	86	84	2.4	70 - 130	30	
Tetrachloroethene	ND	96	105	9.0	90	93	3.3	70 - 130	30	
Trichloroethene	ND	96	105	9.0	91	95	4.3	70 - 130	30	
Vinyl chloride	ND	67	103	42.4	81	84	3.6	70 - 130	30	l,r
% 1,2-dichlorobenzene-d4	98	98	98	0.0	99	99	0.0	70 - 130	30	
% Bromofluorobenzene	100	102	102	0.0	107	108	0.9	70 - 130	30	
% Dibromofluoromethane	89	92	92	0.0	91	90	1.1	70 - 130	30	
% Toluene-d8	94	93	94	1.1	97	97	0.0	70 - 130	30	

Comment:

A blank MS/MSD was analyzed with this batch.

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

QA/QC Batch 298456, QC Sample No: BH69278 (BH69278, BH69280, BH69282, BH69284, BH69286, BH69288, BH69290, BH69292, BH69294, BH69296)

Semivolatiles

1,4-Dichlorobenzene	ND	60	60	0.0				30 - 130	20	
2,4,5-Trichlorophenol	ND	92	90	2.2				30 - 130	20	
2,4,6-Trichlorophenol	ND	94	90	4.3				30 - 130	20	
2,4-Dinitrotoluene	ND	93	93	0.0				30 - 130	20	
2-Methylphenol (o-cresol)	ND	78	75	3.9				30 - 130	20	
3&4-Methylphenol (m&p-cresol)	ND	78	73	6.6				30 - 130	20	
Hexachlorobenzene	ND	86	85	1.2				30 - 130	20	
Hexachlorobutadiene	ND	66	64	3.1				30 - 130	20	
Hexachloroethane	ND	57	56	1.8				30 - 130	20	
Nitrobenzene	ND	80	77	3.8				30 - 130	20	
Pentachlorophenol	ND	89	91	2.2				30 - 130	20	
Pyridine	ND	34	33	3.0				30 - 130	20	
% 2,4,6-Tribromophenol	87	83	80	3.7				15 - 110	20	
% 2-Fluorobiphenyl	69	70	71	1.4				30 - 130	20	
% 2-Fluorophenol	55	56	56	0.0				15 - 110	20	
% Nitrobenzene-d5	75	75	76	1.3				30 - 130	20	
% Phenol-d5	48	48	47	2.1				15 - 110	20	
% Terphenyl-d14	104	95	115	19.0				30 - 130	20	

Comment:

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

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

QA/QC Batch 298448, QC Sample No: BH69282 (BH69278, BH69280, BH69282, BH69284, BH69286, BH69288, BH69290, BH69292, BH69294, BH69296)

Chlorinated Herbicides - Solid

2,4,5-T	ND	75	81	7.7	73	67	8.6	40 - 140	30	
2,4,5-TP (Silvex)	ND	76	78	2.6	74	71	4.1	40 - 140	30	
2,4-D	ND	59	63	6.6	55	51	7.5	40 - 140	30	

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
2,4-DB	ND	75	82	8.9	75	65	14.3	40 - 140	30	
Dalapon	ND	44	40	9.5	40	34	16.2	40 - 140	30	
Dicamba	ND	80	75	6.5	73	74	1.4	40 - 140	30	
Dichloroprop	ND	70	77	9.5	65	63	3.1	40 - 140	30	
Dinoseb	ND	58	58	0.0	80	68	16.2	40 - 140	30	
% DCAA (Surrogate Rec)	69	71	70	1.4	69	67	2.9	30 - 150	30	

QA/QC Batch 298313, QC Sample No: BH69284 (BH69278, BH69280, BH69282, BH69284, BH69286, BH69288, BH69290, BH69292, BH69294, BH69296)

TPH by GC (Extractable Products) - Solid

Ext. Petroleum HC	ND	85	81	4.8	67	68	1.5	60 - 120	30	
% n-Pentacosane	64	76	74	2.7	64	71	10.4	50 - 150	30	

QA/QC Batch 298429, QC Sample No: BH69297 (BH69277, BH69279, BH69281, BH69283, BH69285 (1X, 25X) , BH69287, BH69289, BH69291, BH69293, BH69295)

Volatiles (TCL) - Solid

1,1,1,2-Tetrachloroethane	ND	109	108	0.9	94	94	0.0	70 - 130	30	
1,1,1-Trichloroethane	ND	107	108	0.9	92	94	2.2	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	106	103	2.9	68	67	1.5	70 - 130	30	m
1,1,2-Trichloroethane	ND	103	102	1.0	93	92	1.1	70 - 130	30	
1,1-Dichloroethane	ND	103	102	1.0	91	91	0.0	70 - 130	30	
1,1-Dichloroethene	ND	107	107	0.0	51	50	2.0	70 - 130	30	m
1,2,3-Trichlorobenzene	ND	108	103	4.7	89	90	1.1	70 - 130	30	
1,2,4-Trichlorobenzene	ND	109	105	3.7	92	93	1.1	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	105	103	1.9	86	86	0.0	70 - 130	30	
1,2-Dibromoethane	ND	107	106	0.9	94	93	1.1	70 - 130	30	
1,2-Dichlorobenzene	ND	101	101	0.0	90	90	0.0	70 - 130	30	
1,2-Dichloroethane	ND	102	101	1.0	90	89	1.1	70 - 130	30	
1,2-Dichloropropane	ND	102	103	1.0	93	93	0.0	70 - 130	30	
1,3-Dichlorobenzene	ND	103	102	1.0	91	91	0.0	70 - 130	30	
1,4-Dichlorobenzene	ND	102	100	2.0	90	91	1.1	70 - 130	30	
1,4-dioxane	ND	104	109	4.7	96	86	11.0	70 - 130	30	
2-Hexanone	ND	89	88	1.1	93	100	7.3	70 - 130	30	
4-Methyl-2-pentanone	ND	99	98	1.0	97	96	1.0	70 - 130	30	
Acetone	ND	64	65	1.6	51	47	8.2	70 - 130	30	l,m
Acrolein	ND	86	92	6.7	30	28	6.9	70 - 130	30	m
Acrylonitrile	ND	103	101	2.0	90	89	1.1	70 - 130	30	
Benzene	ND	103	104	1.0	93	93	0.0	70 - 130	30	
Bromochloromethane	ND	106	106	0.0	93	94	1.1	70 - 130	30	
Bromodichloromethane	ND	110	110	0.0	94	93	1.1	70 - 130	30	
Bromoform	ND	108	108	0.0	89	90	1.1	70 - 130	30	
Bromomethane	ND	101	102	1.0	41	51	21.7	70 - 130	30	m
Carbon Disulfide	ND	117	118	0.9	55	53	3.7	70 - 130	30	m
Carbon tetrachloride	ND	110	112	1.8	98	100	2.0	70 - 130	30	
Chlorobenzene	ND	104	104	0.0	92	92	0.0	70 - 130	30	
Chloroethane	ND	96	99	3.1	31	30	3.3	70 - 130	30	m
Chloroform	ND	104	105	1.0	78	92	16.5	70 - 130	30	
Chloromethane	ND	96	94	2.1	97	99	2.0	70 - 130	30	
cis-1,2-Dichloroethene	ND	105	105	0.0	98	101	3.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	112	112	0.0	95	97	2.1	70 - 130	30	
Cyclohexane	ND	96	97	1.0	98	99	1.0	70 - 130	30	
Dibromochloromethane	ND	116	115	0.9	95	96	1.0	70 - 130	30	
Dichlorodifluoromethane	ND	94	94	0.0	106	108	1.9	70 - 130	30	
Ethylbenzene	ND	106	105	0.9	93	96	3.2	70 - 130	30	

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Isopropylbenzene	ND	106	105	0.9	96	97	1.0	70 - 130	30	
m&p-Xylene	ND	107	107	0.0	100	101	1.0	70 - 130	30	
Methyl ethyl ketone	ND	79	78	1.3	91	91	0.0	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	99	98	1.0	83	77	7.5	70 - 130	30	
Methylacetate	ND	112	110	1.8	135	133	1.5	70 - 130	30	m
Methylcyclohexane	ND	104	104	0.0	98	99	1.0	70 - 130	30	
Methylene chloride	ND	94	94	0.0	70	70	0.0	70 - 130	30	
o-Xylene	ND	107	107	0.0	106	109	2.8	70 - 130	30	
Styrene	ND	107	107	0.0	98	98	0.0	70 - 130	30	
tert-butyl alcohol	ND	89	95	6.5	96	89	7.6	70 - 130	30	
Tetrachloroethene	ND	108	106	1.9	96	98	2.1	70 - 130	30	
Toluene	ND	103	104	1.0	95	95	0.0	70 - 130	30	
trans-1,2-Dichloroethene	ND	106	108	1.9	85	83	2.4	70 - 130	30	
trans-1,3-Dichloropropene	ND	114	113	0.9	95	94	1.1	70 - 130	30	
Trichloroethene	ND	107	107	0.0	118	120	1.7	70 - 130	30	
Trichlorofluoromethane	ND	98	99	1.0	20	22	9.5	70 - 130	30	m
Trichlorotrifluoroethane	ND	107	109	1.9	56	54	3.6	70 - 130	30	m
Vinyl chloride	ND	96	95	1.0	96	100	4.1	70 - 130	30	
% 1,2-dichlorobenzene-d4	101	100	100	0.0	100	101	1.0	70 - 130	30	
% Bromofluorobenzene	96	103	102	1.0	101	102	1.0	70 - 130	30	
% Dibromofluoromethane	99	98	98	0.0	99	101	2.0	70 - 130	30	
% Toluene-d8	100	99	100	1.0	100	100	0.0	70 - 130	30	

Comment:

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

QA/QC Batch 298426, QC Sample No: BH69297 (BH69277, BH69279, BH69283, BH69285 (1X, 25X) , BH69287, BH69289, BH69291, BH69293, BH69295)

Volatiles - Solid

1,2,4-Trimethylbenzene	ND	100	100	0.0	94	95	1.1	70 - 130	30	
1,3,5-Trimethylbenzene	ND	105	105	0.0	94	96	2.1	70 - 130	30	
1,3-Dichlorobenzene	ND	103	102	1.0	90	91	1.1	70 - 130	30	
1,4-dioxane	NR	NR	NR	NC	NR	NR	NC	70 - 130	30	
Naphthalene	ND	110	107	2.8	107	102	4.8	70 - 130	30	
n-Butylbenzene	ND	106	105	0.9	94	96	2.1	70 - 130	30	
n-Propylbenzene	ND	99	98	1.0	93	94	1.1	70 - 130	30	
p-Isopropyltoluene	ND	105	104	1.0	94	95	1.1	70 - 130	30	
sec-Butylbenzene	ND	109	109	0.0	95	97	2.1	70 - 130	30	
tert-Butylbenzene	ND	106	106	0.0	95	97	2.1	70 - 130	30	
% 1,2-dichlorobenzene-d4	101	100	100	0.0	100	101	1.0	70 - 130	30	
% Bromofluorobenzene	99	102	102	0.0	100	101	1.0	70 - 130	30	
% Dibromofluoromethane	99	98	98	0.0	99	101	2.0	70 - 130	30	
% Toluene-d8	100	99	100	1.0	100	100	0.0	70 - 130	30	

Comment:

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

QA/QC Batch 298311, QC Sample No: BH69298 (BH69278, BH69280, BH69282, BH69284, BH69286, BH69288, BH69290, BH69292, BH69294)

Polychlorinated Biphenyls - Solid

PCB-1016	ND	90	96	6.5	88	91	3.4	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
PCB-1260	ND	94	100	6.2	90	93	3.3	40 - 140	30	
PCB-1262	ND							40 - 140	30	
PCB-1268	ND							40 - 140	30	
% DCBP (Surrogate Rec)	85	108	115	6.3	100	105	4.9	30 - 150	30	
% TCMX (Surrogate Rec)	68	98	101	3.0	89	93	4.4	30 - 150	30	

QA/QC Batch 298373, QC Sample No: BH69298 (BH69287, BH69293)

Volatiles - Solid

1,2,4-Trimethylbenzene	ND	95	96	1.0	95	97	2.1	70 - 130	30	
1,3,5-Trimethylbenzene	ND	101	102	1.0	96	97	1.0	70 - 130	30	
1,3-Dichlorobenzene	ND	93	95	2.1	89	88	1.1	70 - 130	30	
1,4-dioxane	NR	NR	NR	NC	NR	NR	NC	70 - 130	30	
Naphthalene	ND	101	105	3.9	87	86	1.2	70 - 130	30	
n-Butylbenzene	ND	91	93	2.2	93	95	2.1	70 - 130	30	
n-Propylbenzene	ND	93	95	2.1	95	96	1.0	70 - 130	30	
p-Isopropyltoluene	ND	97	98	1.0	93	96	3.2	70 - 130	30	
sec-Butylbenzene	ND	106	107	0.9	96	98	2.1	70 - 130	30	
tert-Butylbenzene	ND	106	107	0.9	97	100	3.0	70 - 130	30	
% 1,2-dichlorobenzene-d4	100	99	99	0.0	100	99	1.0	70 - 130	30	
% Bromofluorobenzene	100	102	102	0.0	100	100	0.0	70 - 130	30	
% Dibromofluoromethane	96	111	99	11.4	98	99	1.0	70 - 130	30	
% Toluene-d8	100	99	100	1.0	99	99	0.0	70 - 130	30	

Comment:

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

QA/QC Batch 298310, QC Sample No: BH69298 (BH69296)

Semivolatiles - Solid

1,1-Biphenyl	ND	79	80	1.3	80			30 - 130	30	
1,2,4,5-Tetrachlorobenzene	ND	79	80	1.3	81			30 - 130	30	
1,2-Diphenylhydrazine	ND	89	91	2.2	91			30 - 130	30	
2,3,4,6-tetrachlorophenol	ND	96	95	1.0	98			30 - 130	30	
2,4,5-Trichlorophenol	ND	95	94	1.1	96			30 - 130	30	
2,4,6-Trichlorophenol	ND	93	94	1.1	94			30 - 130	30	
2,4-Dichlorophenol	ND	86	87	1.2	87			30 - 130	30	
2,4-Dimethylphenol	ND	85	86	1.2	88			30 - 130	30	
2,4-Dinitrophenol	ND	50	36	32.6	10			30 - 130	30	m,r
2,4-Dinitrotoluene	ND	91	92	1.1	94			30 - 130	30	
2,6-Dinitrotoluene	ND	89	91	2.2	93			30 - 130	30	
2-Chloronaphthalene	ND	81	82	1.2	82			30 - 130	30	
2-Chlorophenol	ND	81	82	1.2	82			30 - 130	30	
2-Methylnaphthalene	ND	80	81	1.2	83			30 - 130	30	
2-Methylphenol (o-cresol)	ND	85	87	2.3	89			30 - 130	30	
2-Nitroaniline	ND	96	98	2.1	98			30 - 130	30	
2-Nitrophenol	ND	90	90	0.0	92			30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	80	83	3.7	84			30 - 130	30	
3,3'-Dichlorobenzidine	ND	71	71	0.0	58			30 - 130	30	
3-Nitroaniline	ND	89	88	1.1	86			30 - 130	30	
4,6-Dinitro-2-methylphenol	ND	80	65	20.7	65			30 - 130	30	
4-Bromophenyl phenyl ether	ND	86	86	0.0	87			30 - 130	30	
4-Chloro-3-methylphenol	ND	93	95	2.1	99			30 - 130	30	
4-Chloroaniline	ND	76	80	5.1	66			30 - 130	30	
4-Chlorophenyl phenyl ether	ND	83	83	0.0	84			30 - 130	30	
4-Nitroaniline	ND	94	95	1.1	99			30 - 130	30	

QA/QC Data

SDG I.D.: GBH69277

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
4-Nitrophenol	ND	98	99	1.0	81			30 - 130	30	
Acenaphthene	ND	82	83	1.2	84			30 - 130	30	
Acenaphthylene	ND	81	82	1.2	83			30 - 130	30	
Acetophenone	ND	82	85	3.6	85			30 - 130	30	
Anthracene	ND	85	85	0.0	85			30 - 130	30	
Atrazine	ND	88	88	0.0	84			30 - 130	30	
Benz(a)anthracene	ND	89	89	0.0	90			30 - 130	30	
Benzaldehyde	ND	45	43	4.5	69			30 - 130	30	
Benzidine	ND	62	52	17.5	18			30 - 130	30	m
Benzo(a)pyrene	ND	89	88	1.1	87			30 - 130	30	
Benzo(b)fluoranthene	ND	91	90	1.1	89			30 - 130	30	
Benzo(ghi)perylene	ND	92	95	3.2	98			30 - 130	30	
Benzo(k)fluoranthene	ND	85	82	3.6	84			30 - 130	30	
Benzyl Alcohol	ND	91	94	3.2	77			30 - 130	30	
Benzyl butyl phthalate	ND	92	92	0.0	93			30 - 130	30	
Bis(2-chloroethoxy)methane	ND	83	85	2.4	86			30 - 130	30	
Bis(2-chloroethyl)ether	ND	64	64	0.0	66			30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	79	80	1.3	82			30 - 130	30	
Bis(2-ethylhexyl)phthalate	ND	89	89	0.0	89			30 - 130	30	
Caprolactam	ND	80	68	16.2	88			30 - 130	30	
Carbazole	ND	91	92	1.1	89			30 - 130	30	
Chrysene	ND	90	89	1.1	90			30 - 130	30	
Dibenz(a,h)anthracene	ND	95	98	3.1	100			30 - 130	30	
Dibenzofuran	ND	86	88	2.3	90			30 - 130	30	
Diethyl phthalate	ND	88	90	2.2	91			30 - 130	30	
Dimethylphthalate	ND	86	87	1.2	88			30 - 130	30	
Di-n-butylphthalate	ND	89	88	1.1	89			30 - 130	30	
Di-n-octylphthalate	ND	90	89	1.1	90			30 - 130	30	
Fluoranthene	ND	88	86	2.3	85			30 - 130	30	
Fluorene	ND	85	85	0.0	87			30 - 130	30	
Hexachlorobenzene	ND	88	89	1.1	89			30 - 130	30	
Hexachlorobutadiene	ND	76	75	1.3	76			30 - 130	30	
Hexachlorocyclopentadiene	ND	92	93	1.1	89			30 - 130	30	
Hexachloroethane	ND	68	69	1.5	68			30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	118	123	4.1	124			30 - 130	30	
Isophorone	ND	81	82	1.2	83			30 - 130	30	
Naphthalene	ND	76	77	1.3	77			30 - 130	30	
Nitrobenzene	ND	77	78	1.3	81			30 - 130	30	
N-Nitrosodimethylamine	ND	72	69	4.3	70			30 - 130	30	
N-Nitrosodi-n-propylamine	ND	79	83	4.9	84			30 - 130	30	
N-Nitrosodiphenylamine	ND	92	92	0.0	95			30 - 130	30	
Pentachlorophenol	ND	94	95	1.1	92			30 - 130	30	
Phenanthrene	ND	85	85	0.0	85			30 - 130	30	
Phenol	ND	95	97	2.1	97			30 - 130	30	
Pyrene	ND	90	87	3.4	87			30 - 130	30	
% 2,4,6-Tribromophenol	99	93	93	0.0	94			30 - 130	30	
% 2-Fluorobiphenyl	77	80	80	0.0	80			30 - 130	30	
% 2-Fluorophenol	61	78	77	1.3	79			30 - 130	30	
% Nitrobenzene-d5	75	77	78	1.3	79			30 - 130	30	
% Phenol-d5	70	83	83	0.0	84			30 - 130	30	
% Terphenyl-d14	89	94	88	6.6	85			30 - 130	30	

QA/QC Data

SDG I.D.: GBH69277

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits

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%)

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

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

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

Phyllis Shiller, Laboratory Director
February 06, 2015

Sample Criteria Exceedences Report

GBH69277 - IMPACT

Criteria: None

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

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

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

NY Temperature Narration

February 06, 2015

SDG I.D.: GBH69277

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

4 ORIG
P

CHAIN OF CUSTODY

IMPACT ENVIRONMENTAL
170 Keyland Court, Bohemia, New York 11716
(Tel.) 631-269-8800 (Fax) 631-269-1599

Page ____ of ____

LAB NAME: Phoenix

RECEIVED DATE:

Client Information

Company Name: Impact Environmental
Address: 170 Keyland Court
City: Bohemia
Project Contact: Xin Yuan
Phone #: 631-269-8800 **Fax #:** 631-269-1599
E-mail: xyuan@impactenvironmental.com

Project Information

Project Name: SW Marine Transfer Station
Street: 1824 Shore Parkway
City: Brooklyn **State:** NY **Zip:**
Project #: 7336
Sampler's Name: Xin Yuan
Sampler's Signature: Xin Yuan

Analytical Information / Sample Containers

LAB SAMPLE # (LAB USE ONLY)	Sample ID	IEC Project Code	Matrix Code	Sample Type	Sample Date	Time	Total # of bottles	NONE or OTHER*	ICE	HCL	Methanol (USEPA 5035)	Sodium Bisulfate (EPA 5035)	Impact Analytical Package A*	Impact Analytical Package B**	Impact Analytical Package C***	VOC 8260 (Analyte List for NY Part 375 and NJ NRDCC)	GP82 Analysis	VOCs 8260+ ~~(GC/MS Analyte List)~~					Matrix Codes: L - Liquid, S - Soil, A - Air, OL - Oil, W - Wipe, PC - Paint Chips, SL - Sludge, SD - Solid, DW- Drinking Water, DISS - Dissolved	Sample Type: G=Grab, C=Composite, B=Blank	(LAB USE ONLY)
	1 WC2 2-3		S	G	1/30	7:30	3											X							69277
	2 WC2 Comp			C		7:30									X										69278
	3 WC3 3-4					8:00												X							69279
	4 WC3 Comp					8:00									X										69280
	5 WC4 1-2					8:30												X							69281
	6 WC4 Comp					8:30									X										69282
	7 WC5 1-2					9:00												X							69283
	8 WC5 Comp					9:00									X										69284
	9 WC9 2-3					9:30												X							69285
	10 WC9 Comp					9:30									X										69286

Turnaround Time (Business Days)

Standard Service
- [ ] Standard - 5 day
- [ ] Standard - 4 day
- [x] Standard - 3 day

Rush Service
- [ ] 48 Hour *RUSH*
- [ ] 24 Hour *RUSH*

(LAB USE ONLY)
TAT Approved By / Date:

Data Deliverable Information

- [ ] Results Only (Level-1)
- [ ] Results plus Misc. QC (Level-2)
- [ ] Results plus ALL QC (Level-3)
- [ ] PA QC Package
- [ ] NJ QC Package (Level3NJ)
- [ ] CLP Category A (Level-2)
- [ ] CLP Category B (Level-4)
- [ ] ASP QC Package (Level-4)
- [ ] Other ____
- [x] EDD Format pdf + excel

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)

REFERENCES

*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSRS & NY Part 375 parameters and dectection limits. **Package B (proprietary)-Same as Package A, plus TCLP Metals & TPH. ***Package C (proprietary)-Same as Package B plus RCRA characteristics and Full TCLP

NOTES/COMMENTS:

Sample custody must be documented below each time samples change possession, with a signature, date, and time.

Relinquished by Sampler	Date / Time	Received By	Relinquished By	Date / Time	Received By
1 Xin Yuan	1 1/30 2:00	1 [illegible]	2 [illegible]	2 1/30 [illegible]	2 Monica [illegible]
Relinquished by: 3 [illegible]	Date / Time: 3	Received By: 3 [illegible]	Relinquished By: 4 [illegible]	Date / Time: 4	Received By: 4
Relinquished by: 5	Date / Time: 5	Received By: 5			

COOLER INFORMATION
Cooler Temp: ____ pH: ____ [ ] On Ice [ ] Sample Receipt Discrepancy(attach information)

Form SS-2/Nov. 2013

400146

CHAIN OF CUSTODY

IMPACT ENVIRONMENTAL
170 Keyland Court, Bohemia, New York 11716
(Tel.) 631-269-8800 (Fax) 631-269-1599

Page ____ of ____

LAB NAME: Phoenix

RECEIVED DATE:

Client Information

Company Name: Impact Environmental
Address: 170 Keyland Court
City: Bohemia
Project Contact: Xin Yuan
Phone #: 631-269-8800 **Fax #:** 631-269-1599
E-mail: xyuan@impactenvironmental.com

Project Information

Project Name: SW Marine Transfer Station
Street: 1824 Shore Parkway
City: Brooklyn **State:** NY **Zip:**
Project #: 7336
Sampler's Name: Xin Yuan
Sampler's Signature: Xin Y

Analytical Information / **Sample Containers** (Number of Each Preserved Bottle) / **Matrix Codes**

Matrix Codes: L - Liquid; S - Soil; A - Air; OL - Oil; W - Wipe; PC - Paint Chips; SL - Sludge; SD - Solid; DW- Drinking Water; DISS - Dissolved

Sample Type: G=Grab; C=Composite; B=Blank

LAB SAMPLE # (LAB USE ONLY)	Sample ID	IEC Project Code	Matrix Code	Sample Type	Sample Date	Time	Total # of bottles	NONE or OTHER*	ICE	HCL	Methanol (USEPA 5035)	Sodium Bisulfate (EPA 5035	Impact Analytical Package A*	Impact Analytical Package B**	Impact Analytical Package C***	VOC 8260 (Analyte List for NY Part 375 and NJ NRDCC)	GPS2 Analysis	VOCs 8260 ~~(CRSL Analyte List)~~						(LAB USE ONLY)
1	WC10 1-2		S	G	1/30	10:00	3											X						69287
2	WC10 Comp			C		10:00									X									69288
3	WC 28 1-2					10:30												X						69289
4	WC 28 Comp					10:30									X									69290
5	WC12 1-2					11:00												X						69291
6	WC 12 Comp					11:00									X									69292
7	WC21 4-5					11:45												X						69293
8	WC21 Comp					11:45									X									69294
9	WC11 2-3					13:40												X						69295
10	WC11 Comp					13:40									X									69296

Turnaround Time (Business Days)

Standard Service (LAB USE ONLY)
- [ ] Standard - 5 day
- [ ] Standard - 4 day
- [x] Standard - 3 day

TAT Approved By / Date:

Rush Service
- [ ] 48 Hour *RUSH*
- [ ] 24 Hour *RUSH*

Data Deliverable Information
- [ ] Results Only (Level-1)
- [ ] Results plus Misc. QC (Level-2)
- [ ] Results plus ALL QC (Level-3)
- [ ] PA QC Package
- [ ] NJ QC Package (Level3NJ)
- [ ] CLP Category A (Level-2)
- [ ] CLP Category B (Level-4)
- [ ] ASP QC Package (Level-4)
- [ ] Other _____
- [x] EDD Format pdf & excel

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)

REFERENCES

*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSRS & NY Part 375 parameters and dectection limits. **Package B (proprietary)-Same as Package A, plus TCLP Metals & TPH. ***Package C (proprietary)-Same as Package B plus RCRA characteristics and Full TCLP

NOTES/COMMENTS:

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

Relinquished by Sampler:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1 Xin	1 1/30 2:00	1	2	2 1-30-15 7PM	2
Relinquished by: 3	Date / Time: 3	Received By: 3	Relinquished By: 4	Date / Time: 4	Received By: 4
Relinquished by: 5	Date / Time: 5	Received By: 5			

COOLER INFORMATION

Cooler Temp:_____ pH:_____ [ ] On Ice [ ] Sample Receipt Discrepancy(attach information)

Form SS-2/Nov. 2013

PHOENIX
Environmental Laboratories, Inc.

Thursday, February 05, 2015

Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Project ID: SW MARINE TRANSFER STATION
Sample ID#s: BH68753 - BH68770

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

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

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

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

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

Sincerely yours,

Phyllis Shiller
Laboratory Director

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

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 05, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	01/29/15	7:30
Location Code:	IMPACT	Received by:	SW	01/29/15	17:06
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH68753
Phoenix ID: BH68753

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 57 2-3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	01/29/15	I	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	260	52	ug/Kg	01/29/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	260	52	ug/Kg	01/29/15	JLI	SW8260
1,3-Dichlorobenzene	ND	260	52	ug/Kg	01/29/15	JLI	SW8260
Naphthalene	ND	260	70	ug/Kg	01/29/15	JLI	SW8260
n-Butylbenzene	ND	260	52	ug/Kg	01/29/15	JLI	SW8260
n-Propylbenzene	ND	260	52	ug/Kg	01/29/15	JLI	SW8260
p-Isopropyltoluene	ND	260	52	ug/Kg	01/29/15	JLI	SW8260
sec-Butylbenzene	ND	260	52	ug/Kg	01/29/15	JLI	SW8260
tert-Butylbenzene	ND	260	52	ug/Kg	01/29/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102			%	01/29/15	JLI	SW8260
% Bromofluorobenzene	99			%	01/29/15	JLI	SW8260
% Dibromofluoromethane	94			%	01/29/15	JLI	SW8260
% Toluene-d8	103			%	01/29/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	5200	5200	ug/kg	01/29/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	260	52	ug/Kg	01/29/15	JLI	SW8260
1,1,1-Trichloroethane	ND	260	52	ug/Kg	01/29/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	260	37	ug/Kg	01/29/15	JLI	SW8260
1,1,2-Trichloroethane	ND	260	26	ug/Kg	01/29/15	JLI	SW8260
1,1-Dichloroethane	ND	260	52	ug/Kg	01/29/15	JLI	SW8260
1,1-Dichloroethene	ND	260	57	ug/Kg	01/29/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 57 2-3

Phoenix I.D.: BH68753

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		260	35	ug/Kg	01/29/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		260	31	ug/Kg	01/29/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		260	70	ug/Kg	01/29/15	JLI	SW8260
1,2-Dibromoethane	ND		260	70	ug/Kg	01/29/15	JLI	SW8260
1,2-Dichlorobenzene	ND		260	29	ug/Kg	01/29/15	JLI	SW8260
1,2-Dichloroethane	ND		260	23	ug/Kg	01/29/15	JLI	SW8260
1,2-Dichloropropane	ND		260	37	ug/Kg	01/29/15	JLI	SW8260
1,3-Dichlorobenzene	ND		260	39	ug/Kg	01/29/15	JLI	SW8260
1,4-Dichlorobenzene	ND		260	41	ug/Kg	01/29/15	JLI	SW8260
2-Hexanone	ND		1300	120	ug/Kg	01/29/15	JLI	SW8260
4-Methyl-2-pentanone	ND		1300	62	ug/Kg	01/29/15	JLI	SW8260
Acetone	ND		2600	260	ug/Kg	01/29/15	JLI	SW8260
Acrolein	ND		1300	210	ug/Kg	01/29/15	JLI	SW8260
Acrylonitrile	ND		520	150	ug/Kg	01/29/15	JLI	SW8260
Benzene	ND		260	52	ug/Kg	01/29/15	JLI	SW8260
Bromochloromethane	ND		260	38	ug/Kg	01/29/15	JLI	SW8260
Bromodichloromethane	ND		260	32	ug/Kg	01/29/15	JLI	SW8260
Bromoform	ND		260	37	ug/Kg	01/29/15	JLI	SW8260
Bromomethane	ND		260	200	ug/Kg	01/29/15	JLI	SW8260
Carbon Disulfide	ND		260	42	ug/Kg	01/29/15	JLI	SW8260
Carbon tetrachloride	ND		260	30	ug/Kg	01/29/15	JLI	SW8260
Chlorobenzene	ND		260	39	ug/Kg	01/29/15	JLI	SW8260
Chloroethane	ND		260	61	ug/Kg	01/29/15	JLI	SW8260
Chloroform	94	J	260	48	ug/Kg	01/29/15	JLI	SW8260
Chloromethane	ND		260	140	ug/Kg	01/29/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		260	57	ug/Kg	01/29/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		260	28	ug/Kg	01/29/15	JLI	SW8260
Cyclohexane	ND		260	260	ug/Kg	01/29/15	JLI	SW8260
Dibromochloromethane	ND		260	29	ug/Kg	01/29/15	JLI	SW8260
Dichlorodifluoromethane	ND		260	70	ug/Kg	01/29/15	JLI	SW8260
Ethylbenzene	ND		260	48	ug/Kg	01/29/15	JLI	SW8260
Isopropylbenzene	ND		260	50	ug/Kg	01/29/15	JLI	SW8260
m&p-Xylene	ND		260	100	ug/Kg	01/29/15	JLI	SW8260
Methyl ethyl ketone	ND		1600	230	ug/Kg	01/29/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		520	72	ug/Kg	01/29/15	JLI	SW8260
Methylacetate	ND		260	260	ug/Kg	01/29/15	JLI	SW8260
Methylcyclohexane	ND		260	260	ug/Kg	01/29/15	JLI	SW8260
Methylene chloride	130	JS	260	43	ug/Kg	01/29/15	JLI	SW8260
o-Xylene	ND		260	100	ug/Kg	01/29/15	JLI	SW8260
Styrene	ND		260	75	ug/Kg	01/29/15	JLI	SW8260
tert-butyl alcohol	ND		5200	5200	ug/Kg	01/29/15	JLI	SW8260
Tetrachloroethene	ND		260	55	ug/Kg	01/29/15	JLI	SW8260
Toluene	ND		260	41	ug/Kg	01/29/15	JLI	SW8260
Total Xylenes	ND		260	260	ug/Kg	01/29/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		260	52	ug/Kg	01/29/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		260	53	ug/Kg	01/29/15	JLI	SW8260
Trichloroethene	ND		260	56	ug/Kg	01/29/15	JLI	SW8260
Trichlorofluoromethane	ND		260	58	ug/Kg	01/29/15	JLI	SW8260
Trichlorotrifluoroethane	ND		260	41	ug/Kg	01/29/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 57 2-3

Phoenix I.D.: BH68753

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	260	85	ug/Kg	01/29/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	102			%	01/29/15	JLI	70 - 130 %	
% Bromofluorobenzene	97			%	01/29/15	JLI	70 - 130 %	
% Dibromofluoromethane	94			%	01/29/15	JLI	70 - 130 %	
% Toluene-d8	103			%	01/29/15	JLI	70 - 130 %	
Vinyl Acetate	ND	2600	2600	ug/Kg	01/29/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

Volatile Comment:
Very Poor Internal standard recoveries were observed for the low level vial analyses, due to dirt in the threads of the vial preventing the sample from purging properly. Both low level vials had this problem, results are reported from the methanol high level which did not have this problem.

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 05, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 05, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	01/29/15	7:30
Location Code:	IMPACT	Received by:	SW	01/29/15	17:06
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH68753
Phoenix ID: BH68754

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 57 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.39	0.39	0.39	mg/Kg	01/30/15	LK	SW6010
Aluminum	1990	5.8	0.78	mg/Kg	01/30/15	LK	SW6010
Arsenic	1.0	0.8	0.78	mg/Kg	01/30/15	LK	SW6010
Barium	19.9	0.39	0.39	mg/Kg	01/30/15	LK	SW6010
Beryllium	< 0.31	0.31	0.16	mg/Kg	01/30/15	LK	SW6010
Calcium	2650	5.8	3.6	mg/Kg	01/30/15	LK	SW6010
Cadmium	< 0.39	0.39	0.16	mg/Kg	01/30/15	LK	SW6010
Cobalt	2.91	0.39	0.39	mg/Kg	01/30/15	LK	SW6010
Chromium	5.44	0.39	0.39	mg/Kg	01/30/15	LK	SW6010
Copper	7.35	0.39	0.39	mg/kg	01/30/15	LK	SW6010
Iron	3660	5.8	3.9	mg/Kg	01/30/15	LK	SW6010
Mercury	0.05	0.03	0.02	mg/Kg	01/30/15	RS	SW-7471
Potassium	328	5.8	3.0	mg/Kg	01/30/15	LK	SW6010
Magnesium	1330	5.8	3.9	mg/Kg	01/30/15	LK	SW6010
Manganese	66.1	0.39	0.39	mg/Kg	01/30/15	LK	SW6010
Sodium	112	5.8	3.3	mg/Kg	01/30/15	LK	SW6010
Nickel	6.22	0.39	0.39	mg/Kg	01/30/15	LK	SW6010
Lead	16.2	0.39	0.39	mg/Kg	01/30/15	LK	SW6010
Antimony	< 3.9	3.9	1.9	mg/Kg	01/30/15	LK	SW6010
Selenium	< 1.6	1.6	1.3	mg/Kg	01/30/15	LK	SW6010
TCLP Silver	< 0.10	0.10	0.010	mg/L	01/30/15	LK	SW6010
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	01/30/15	LK	SW6010
TCLP Barium	0.42	0.10	0.010	mg/L	01/30/15	LK	SW6010
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	01/30/15	LK	SW6010
TCLP Chromium	< 0.10	0.10	0.010	mg/L	01/30/15	LK	SW6010
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	01/30/15	RS	SW7470
TCLP Lead	0.18	0.10	0.010	mg/L	01/30/15	LK	SW6010
TCLP Selenium	< 0.10	0.10	0.10	mg/L	01/30/15	LK	SW6010

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 57 COMP

Phoenix I.D.: BH68754

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.5	3.5	1.6	mg/Kg	01/30/15	LK	SW6010	
TCLP Metals Digestion	Completed				01/30/15	I/I	SW3005	
Trivalent Chromium	5.44	0.50		mg/kg	01/31/15	KDB	Calculation	
Vanadium	7.68	0.39	0.39	mg/Kg	01/30/15	LK	SW6010	
Zinc	30.8	0.39	0.39	mg/Kg	01/30/15	LK	SW6010	
Percent Solid	88			%	01/29/15	I	SW846	
Corrosivity	Negative			Pos/Neg	01/29/15	DH/KDB	SW846	1
Flash Point	>200	200		degree F	01/30/15	Y	SW1010	
Chromium, Hexavalent	< 0.45	0.45	0.45	mg/Kg	01/31/15 08:50	KDB	SW3060/7196	
Ignitability	Passed	140		degree F	01/30/15	Y	SW846	1
pH - Soil	11.44	0.10		pH Units	01/29/15 19:40	DH/KDB	4500-H B/9045	1
Reactivity Cyanide	< 5.7	5.7	0.028	mg/Kg	01/30/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/02/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/02/15	EG	SW 846-7.3	1
Redox Potential	28	1.0		mV	01/29/15	DH/KDB	SM2580B	1
Total Cyanide	< 0.52	0.52	0.26	mg/Kg	01/29/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				01/29/15	BC/H	SW3545	
Soil Extraction for Pesticide	Completed				01/29/15	BC	SW3545	
Soil Extraction for SVOA	Completed				01/29/15	BJ/VH	SW3545	
Mercury Digestion	Completed				01/30/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				01/29/15	/DW	SW8151	
TCLP Digestion Mercury	Completed				01/30/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				01/30/15	FI/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				01/29/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				01/29/15	I	1311	
TCLP Pesticides Extraction	Completed				01/30/15	BT	SW3510	
TCLP Semi-Volatile Extraction	Completed				01/30/15	BT	SW3510	
TCLP Extraction Volatiles	Completed				01/29/15	Y	EPA 1311	
Total Metals Digest	Completed				01/29/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				01/29/15	CC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	47	47	ug/Kg	02/01/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	47	47	ug/Kg	02/01/15	BB	SW8151	
2,4-D	ND	47	47	ug/Kg	02/01/15	BB	SW8151	
2,4-DB	ND	470	470	ug/Kg	02/01/15	BB	SW8151	
Dalapon	ND	47	47	ug/Kg	02/01/15	BB	SW8151	
Dicamba	ND	93	93	ug/Kg	02/01/15	BB	SW8151	
Dichloroprop	ND	47	47	ug/Kg	02/01/15	BB	SW8151	
Dinoseb	ND	93	93	ug/Kg	02/01/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	64			%	02/01/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	76	76	ug/Kg	01/30/15	AW	SW 8082	
PCB-1221	ND	76	76	ug/Kg	01/30/15	AW	SW 8082	
PCB-1232	ND	76	76	ug/Kg	01/30/15	AW	SW 8082	
PCB-1242	ND	76	76	ug/Kg	01/30/15	AW	SW 8082	
PCB-1248	ND	76	76	ug/Kg	01/30/15	AW	SW 8082	
PCB-1254	ND	76	76	ug/Kg	01/30/15	AW	SW 8082	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	76	76	ug/Kg	01/30/15	AW	SW 8082
PCB-1262	ND	76	76	ug/Kg	01/30/15	AW	SW 8082
PCB-1268	ND	76	76	ug/Kg	01/30/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	70			%	01/30/15	AW	30 - 150 %
% TCMX	84			%	01/30/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.3	2.3	ug/Kg	01/30/15	CE	SW8081
4,4' -DDE	ND	2.3	2.3	ug/Kg	01/30/15	CE	SW8081
4,4' -DDT	ND	2.3	2.3	ug/Kg	01/30/15	CE	SW8081
a-BHC	ND	7.6	7.6	ug/Kg	01/30/15	CE	SW8081
a-Chlordane	ND	3.8	3.8	ug/Kg	01/30/15	CE	SW8081
Aldrin	ND	3.8	3.8	ug/Kg	01/30/15	CE	SW8081
b-BHC	ND	7.6	7.6	ug/Kg	01/30/15	CE	SW8081
Chlordane	ND	38	38	ug/Kg	01/30/15	CE	SW8081
d-BHC	ND	7.6	7.6	ug/Kg	01/30/15	CE	SW8081
Dieldrin	ND	3.8	3.8	ug/Kg	01/30/15	CE	SW8081
Endosulfan I	ND	7.6	7.6	ug/Kg	01/30/15	CE	SW8081
Endosulfan II	ND	7.6	7.6	ug/Kg	01/30/15	CE	SW8081
Endosulfan sulfate	ND	7.6	7.6	ug/Kg	01/30/15	CE	SW8081
Endrin	ND	7.6	7.6	ug/Kg	01/30/15	CE	SW8081
Endrin aldehyde	ND	7.6	7.6	ug/Kg	01/30/15	CE	SW8081
Endrin ketone	ND	7.6	7.6	ug/Kg	01/30/15	CE	SW8081
g-BHC	ND	1.5	1.5	ug/Kg	01/30/15	CE	SW8081
g-Chlordane	ND	3.8	3.8	ug/Kg	01/30/15	CE	SW8081
Heptachlor	ND	7.6	7.6	ug/Kg	01/30/15	CE	SW8081
Heptachlor epoxide	ND	7.6	7.6	ug/Kg	01/30/15	CE	SW8081
Methoxychlor	ND	38	38	ug/Kg	01/30/15	CE	SW8081
Toxaphene	ND	150	150	ug/Kg	01/30/15	CE	SW8081
QA/QC Surrogates							
% DCBP	77			%	01/30/15	CE	30 - 150 %
% TCMX	85			%	01/30/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/03/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/03/15	BB	SW8151
QA/QC Surrogates							
% DCAA	76			%	02/03/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	01/31/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	01/31/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	01/31/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	01/31/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	01/31/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	01/31/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	01/31/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	01/31/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	01/31/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	01/31/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	01/31/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	01/31/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	01/31/15	CE	SW 8081
Endrin	ND	1.0		ug/L	01/31/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	01/31/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	01/31/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	01/31/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	01/31/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	01/31/15	CE	SW 8081
Toxaphene	ND	20		ug/L	01/31/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	84			%	01/31/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	51			%	01/31/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	56	56	mg/Kg	01/30/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	69			%	01/30/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	01/30/15	MH	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	01/30/15	MH	SW8260
Benzene	ND	25	25	ug/L	01/30/15	MH	SW8260
Carbon tetrachloride	ND	25	25	ug/L	01/30/15	MH	SW8260
Chlorobenzene	ND	25	25	ug/L	01/30/15	MH	SW8260
Chloroform	ND	25	25	ug/L	01/30/15	MH	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	01/30/15	MH	SW8260
Tetrachloroethene	ND	25	25	ug/L	01/30/15	MH	SW8260
Trichloroethene	ND	25	25	ug/L	01/30/15	MH	SW8260
Vinyl chloride	ND	25	25	ug/L	01/30/15	MH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99			%	01/30/15	MH	70 - 130 %
% Bromofluorobenzene	94			%	01/30/15	MH	70 - 130 %
% Dibromofluoromethane	97			%	01/30/15	MH	70 - 130 %
% Toluene-d8	99			%	01/30/15	MH	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	260	110	ug/Kg	01/30/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	01/30/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	370	370	ug/Kg	01/30/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	260	170	ug/Kg	01/30/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	01/30/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	01/30/15	DD	SW 8270
2,4-Dichlorophenol	ND	150	130	ug/Kg	01/30/15	DD	SW 8270
2,4-Dimethylphenol	ND	260	92	ug/Kg	01/30/15	DD	SW 8270
2,4-Dinitrophenol	ND	260	260	ug/Kg	01/30/15	DD	SW 8270
2,4-Dinitrotoluene	ND	150	150	ug/Kg	01/30/15	DD	SW 8270
2,6-Dinitrotoluene	ND	150	120	ug/Kg	01/30/15	DD	SW 8270
2-Chloronaphthalene	ND	260	110	ug/Kg	01/30/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 57 COMP

Phoenix I.D.: BH68754

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND	260	110	ug/Kg	01/30/15	DD	SW 8270	
2-Methylnaphthalene	ND	260	110	ug/Kg	01/30/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	01/30/15	DD	SW 8270	
2-Nitroaniline	ND	1900	380	ug/Kg	01/30/15	DD	SW 8270	
2-Nitrophenol	ND	260	240	ug/Kg	01/30/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	01/30/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	150	180	ug/Kg	01/30/15	DD	SW 8270	
3-Nitroaniline	ND	1900	810	ug/Kg	01/30/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	260	400	ug/Kg	01/30/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	01/30/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	01/30/15	DD	SW 8270	
4-Chloroaniline	ND	740	170	ug/Kg	01/30/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	01/30/15	DD	SW 8270	
4-Nitroaniline	ND	1900	120	ug/Kg	01/30/15	DD	SW 8270	
4-Nitrophenol	ND	1900	170	ug/Kg	01/30/15	DD	SW 8270	
Acenaphthene	ND	260	110	ug/Kg	01/30/15	DD	SW 8270	
Acenaphthylene	ND	150	100	ug/Kg	01/30/15	DD	SW 8270	
Acetophenone	ND	260	120	ug/Kg	01/30/15	DD	SW 8270	
Anthracene	ND	260	120	ug/Kg	01/30/15	DD	SW 8270	
Atrazine	ND	150	170	ug/Kg	01/30/15	DD	SW 8270	
Benz(a)anthracene	ND	260	120	ug/Kg	01/30/15	DD	SW 8270	
Benzaldehyde	ND	260	110	ug/Kg	01/30/15	DD	SW 8270	
Benzidine	ND	560	560	ug/Kg	01/30/15	DD	SW 8270	
Benzo(a)pyrene	ND	150	120	ug/Kg	01/30/15	DD	SW 8270	
Benzo(b)fluoranthene	ND	260	130	ug/Kg	01/30/15	DD	SW 8270	
Benzo(ghi)perylene	ND	260	120	ug/Kg	01/30/15	DD	SW 8270	
Benzo(k)fluoranthene	ND	260	120	ug/Kg	01/30/15	DD	SW 8270	
Benzyl Alcohol	ND	370	370	ug/Kg	01/30/15	DD	SW 8270	
Benzyl butyl phthalate	ND	260	96	ug/Kg	01/30/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	01/30/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	150	100	ug/Kg	01/30/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	01/30/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	01/30/15	DD	SW 8270	
Caprolactam	ND	260	660	ug/Kg	01/30/15	DD	SW 8270	
Carbazole	ND	1900	280	ug/Kg	01/30/15	DD	SW 8270	
Chrysene	ND	260	120	ug/Kg	01/30/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND	150	120	ug/Kg	01/30/15	DD	SW 8270	
Dibenzofuran	ND	260	110	ug/Kg	01/30/15	DD	SW 8270	
Diethyl phthalate	ND	260	120	ug/Kg	01/30/15	DD	SW 8270	
Dimethylphthalate	ND	260	120	ug/Kg	01/30/15	DD	SW 8270	
Di-n-butylphthalate	ND	260	99	ug/Kg	01/30/15	DD	SW 8270	
Di-n-octylphthalate	ND	260	96	ug/Kg	01/30/15	DD	SW 8270	
Fluoranthene	ND	260	120	ug/Kg	01/30/15	DD	SW 8270	
Fluorene	ND	260	120	ug/Kg	01/30/15	DD	SW 8270	
Hexachlorobenzene	ND	150	110	ug/Kg	01/30/15	DD	SW 8270	
Hexachlorobutadiene	ND	260	130	ug/Kg	01/30/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	01/30/15	DD	SW 8270	
Hexachloroethane	ND	150	110	ug/Kg	01/30/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	01/30/15	DD	SW 8270	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND	150	100	ug/Kg	01/30/15	DD	SW 8270	
Naphthalene	ND	260	110	ug/Kg	01/30/15	DD	SW 8270	
Nitrobenzene	ND	150	130	ug/Kg	01/30/15	DD	SW 8270	
N-Nitrosodimethylamine	ND	260	100	ug/Kg	01/30/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	150	120	ug/Kg	01/30/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND	150	140	ug/Kg	01/30/15	DD	SW 8270	
Pentachlorophenol	ND	260	140	ug/Kg	01/30/15	DD	SW 8270	
Phenanthrene	ND	150	110	ug/Kg	01/30/15	DD	SW 8270	
Phenol	ND	260	120	ug/Kg	01/30/15	DD	SW 8270	
Pyrene	ND	260	130	ug/Kg	01/30/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	90			%	01/30/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	80			%	01/30/15	DD	30 - 130 %	
% 2-Fluorophenol	74			%	01/30/15	DD	30 - 130 %	
% Nitrobenzene-d5	77			%	01/30/15	DD	30 - 130 %	
% Phenol-d5	80			%	01/30/15	DD	30 - 130 %	
% Terphenyl-d14	64			%	01/30/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral								
1,4-Dichlorobenzene	ND	83	83	ug/L	02/02/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND	83	83	ug/L	02/02/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND	83	83	ug/L	02/02/15	DD	SW 8270	
2,4-Dinitrotoluene	ND	83	83	ug/L	02/02/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	83	83	ug/L	02/02/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND	83	83	ug/L	02/02/15	DD	SW 8270	
Hexachlorobenzene	ND	83	83	ug/L	02/02/15	DD	SW 8270	
Hexachlorobutadiene	ND	83	83	ug/L	02/02/15	DD	SW 8270	
Hexachloroethane	ND	83	83	ug/L	02/02/15	DD	SW 8270	
Nitrobenzene	ND	83	83	ug/L	02/02/15	DD	SW 8270	
Pentachlorophenol	ND	83	83	ug/L	02/02/15	DD	SW 8270	
Pyridine	ND	83	83	ug/L	02/02/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	78			%	02/02/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	62			%	02/02/15	DD	30 - 130 %	
% 2-Fluorophenol	49			%	02/02/15	DD	15 - 110 %	
% Nitrobenzene-d5	64			%	02/02/15	DD	30 - 130 %	
% Phenol-d5	46			%	02/02/15	DD	15 - 110 %	
% Terphenyl-d14	84			%	02/02/15	DD	30 - 130 %	
Aniline	ND	330		ug/Kg	01/30/15	DD	SW8270	
Benzoic Acid	ND	330		ug/Kg	01/30/15	DD	SW8270	1
Parathion	ND	370	150	ug/Kg	01/30/15	DD	SW8270	1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

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

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

Comments:

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
February 05, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 05, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	01/29/15	8:00
Location Code:	IMPACT	Received by:	SW	01/29/15	17:06
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH68753
Phoenix ID: BH68755

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 55 2-3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	01/29/15	I	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	2.5	0.49	ug/Kg	01/30/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	2.5	0.49	ug/Kg	01/30/15	JLI	SW8260
1,3-Dichlorobenzene	ND	2.5	0.49	ug/Kg	01/30/15	JLI	SW8260
Naphthalene	ND	260	69	ug/Kg	01/29/15	JLI	SW8260
n-Butylbenzene	ND	260	51	ug/Kg	01/29/15	JLI	SW8260
n-Propylbenzene	ND	2.5	0.49	ug/Kg	01/30/15	JLI	SW8260
p-Isopropyltoluene	ND	2.5	0.49	ug/Kg	01/30/15	JLI	SW8260
sec-Butylbenzene	ND	2.5	0.49	ug/Kg	01/30/15	JLI	SW8260
tert-Butylbenzene	ND	2.5	0.49	ug/Kg	01/30/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101			%	01/29/15	JLI	SW8260
% Bromofluorobenzene	78			%	01/30/15	JLI	SW8260
% Dibromofluoromethane	98			%	01/30/15	JLI	SW8260
% Toluene-d8	97			%	01/30/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	49	49	ug/kg	01/30/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	2.5	0.49	ug/Kg	01/30/15	JLI	SW8260
1,1,1-Trichloroethane	ND	2.5	0.49	ug/Kg	01/30/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	2.5	0.35	ug/Kg	01/30/15	JLI	SW8260
1,1,2-Trichloroethane	ND	2.5	0.24	ug/Kg	01/30/15	JLI	SW8260
1,1-Dichloroethane	ND	2.5	0.49	ug/Kg	01/30/15	JLI	SW8260
1,1-Dichloroethene	ND	2.5	0.53	ug/Kg	01/30/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 55 2-3

Phoenix I.D.: BH68755

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND	260	34	ug/Kg	01/29/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND	260	30	ug/Kg	01/29/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	260	69	ug/Kg	01/29/15	JLI	SW8260
1,2-Dibromoethane	ND	2.5	0.65	ug/Kg	01/30/15	JLI	SW8260
1,2-Dichlorobenzene	ND	260	28	ug/Kg	01/29/15	JLI	SW8260
1,2-Dichloroethane	ND	2.5	0.22	ug/Kg	01/30/15	JLI	SW8260
1,2-Dichloropropane	ND	2.5	0.35	ug/Kg	01/30/15	JLI	SW8260
1,3-Dichlorobenzene	ND	260	38	ug/Kg	01/29/15	JLI	SW8260
1,4-Dichlorobenzene	ND	260	41	ug/Kg	01/29/15	JLI	SW8260
2-Hexanone	ND	12	1.1	ug/Kg	01/30/15	JLI	SW8260
4-Methyl-2-pentanone	ND	12	0.58	ug/Kg	01/30/15	JLI	SW8260
Acetone	ND	25	2.4	ug/Kg	01/30/15	JLI	SW8260
Acrolein	ND	12	2.0	ug/Kg	01/30/15	JLI	SW8260
Acrylonitrile	ND	4.9	1.4	ug/Kg	01/30/15	JLI	SW8260
Benzene	ND	2.5	0.49	ug/Kg	01/30/15	JLI	SW8260
Bromochloromethane	ND	2.5	0.36	ug/Kg	01/30/15	JLI	SW8260
Bromodichloromethane	ND	2.5	0.30	ug/Kg	01/30/15	JLI	SW8260
Bromoform	ND	2.5	0.34	ug/Kg	01/30/15	JLI	SW8260
Bromomethane	ND	2.5	1.9	ug/Kg	01/30/15	JLI	SW8260
Carbon Disulfide	ND	2.5	0.40	ug/Kg	01/30/15	JLI	SW8260
Carbon tetrachloride	ND	2.5	0.28	ug/Kg	01/30/15	JLI	SW8260
Chlorobenzene	ND	2.5	0.36	ug/Kg	01/30/15	JLI	SW8260
Chloroethane	ND	2.5	0.57	ug/Kg	01/30/15	JLI	SW8260
Chloroform	ND	2.5	0.45	ug/Kg	01/30/15	JLI	SW8260
Chloromethane	ND	2.5	1.3	ug/Kg	01/30/15	JLI	SW8260
cis-1,2-Dichloroethene	ND	2.5	0.53	ug/Kg	01/30/15	JLI	SW8260
cis-1,3-Dichloropropene	ND	2.5	0.26	ug/Kg	01/30/15	JLI	SW8260
Cyclohexane	ND	2.5	2.5	ug/Kg	01/30/15	JLI	SW8260
Dibromochloromethane	ND	2.5	0.27	ug/Kg	01/30/15	JLI	SW8260
Dichlorodifluoromethane	ND	2.5	0.65	ug/Kg	01/30/15	JLI	SW8260
Ethylbenzene	ND	2.5	0.45	ug/Kg	01/30/15	JLI	SW8260
Isopropylbenzene	ND	260	49	ug/Kg	01/29/15	JLI	SW8260
m&p-Xylene	ND	2.5	0.97	ug/Kg	01/30/15	JLI	SW8260
Methyl ethyl ketone	ND	15	2.1	ug/Kg	01/30/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	4.9	0.68	ug/Kg	01/30/15	JLI	SW8260
Methylacetate	ND	2.5	2.5	ug/Kg	01/30/15	JLI	SW8260
Methylcyclohexane	ND	2.5	2.5	ug/Kg	01/30/15	JLI	SW8260
Methylene chloride	ND	2.5	0.40	ug/Kg	01/30/15	JLI	SW8260
o-Xylene	ND	2.5	0.94	ug/Kg	01/30/15	JLI	SW8260
Styrene	ND	2.5	0.71	ug/Kg	01/30/15	JLI	SW8260
tert-butyl alcohol	ND	49	49	ug/Kg	01/30/15	JLI	SW8260
Tetrachloroethene	ND	2.5	0.51	ug/Kg	01/30/15	JLI	SW8260
Toluene	ND	2.5	0.39	ug/Kg	01/30/15	JLI	SW8260
Total Xylenes	ND	2.5	2.5	ug/Kg	01/30/15	JLI	SW8260
trans-1,2-Dichloroethene	ND	2.5	0.49	ug/Kg	01/30/15	JLI	SW8260
trans-1,3-Dichloropropene	ND	2.5	0.50	ug/Kg	01/30/15	JLI	SW8260
Trichloroethene	ND	2.5	0.52	ug/Kg	01/30/15	JLI	SW8260
Trichlorofluoromethane	ND	2.5	0.54	ug/Kg	01/30/15	JLI	SW8260
Trichlorotrifluoroethane	ND	2.5	0.38	ug/Kg	01/30/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 55 2-3

Phoenix I.D.: BH68755

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	2.5	0.79	ug/Kg	01/30/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	101			%	01/29/15	JLI	70 - 130 %	
% Bromofluorobenzene	96			%	01/29/15	JLI	70 - 130 %	
% Dibromofluoromethane	98			%	01/30/15	JLI	70 - 130 %	
% Toluene-d8	98			%	01/30/15	JLI	70 - 130 %	
Vinyl Acetate	ND	25	25	ug/Kg	01/30/15	JLI	SW8260TIC	1

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

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

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
February 05, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 05, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	01/29/15	8:00
Location Code:	IMPACT	Received by:	SW	01/29/15	17:06
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH68753
Phoenix ID: BH68756

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 55 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.37	0.37	0.37	mg/Kg	01/30/15	LK	SW6010
Aluminum	1360	5.5	0.73	mg/Kg	01/30/15	LK	SW6010
Arsenic	1.0	0.7	0.73	mg/Kg	01/30/15	LK	SW6010
Barium	11.3	0.37	0.37	mg/Kg	01/30/15	LK	SW6010
Beryllium	< 0.29	0.29	0.15	mg/Kg	01/30/15	LK	SW6010
Calcium	1310	5.5	3.4	mg/Kg	01/30/15	LK	SW6010
Cadmium	< 0.37	0.37	0.15	mg/Kg	01/30/15	LK	SW6010
Cobalt	1.27	0.37	0.37	mg/Kg	01/30/15	LK	SW6010
Chromium	4.66	0.37	0.37	mg/Kg	01/30/15	LK	SW6010
Copper	4.06	0.37	0.37	mg/kg	01/30/15	LK	SW6010
Iron	2720	5.5	3.7	mg/Kg	01/30/15	LK	SW6010
Mercury	< 0.03	0.03	0.02	mg/Kg	01/30/15	RS	SW-7471
Potassium	375	5.5	2.9	mg/Kg	01/30/15	LK	SW6010
Magnesium	836	5.5	3.7	mg/Kg	01/30/15	LK	SW6010
Manganese	34.8	0.37	0.37	mg/Kg	01/30/15	LK	SW6010
Sodium	110	5.5	3.1	mg/Kg	01/30/15	LK	SW6010
Nickel	4.28	0.37	0.37	mg/Kg	01/30/15	LK	SW6010
Lead	35.7	0.37	0.37	mg/Kg	01/30/15	LK	SW6010
Antimony	< 3.7	3.7	1.8	mg/Kg	01/30/15	LK	SW6010
Selenium	< 1.5	1.5	1.2	mg/Kg	01/30/15	LK	SW6010
TCLP Silver	< 0.10	0.10	0.010	mg/L	01/30/15	LK	SW6010
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	01/30/15	LK	SW6010
TCLP Barium	0.20	0.10	0.010	mg/L	01/30/15	LK	SW6010
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	01/30/15	LK	SW6010
TCLP Chromium	< 0.10	0.10	0.010	mg/L	01/30/15	LK	SW6010
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	01/30/15	RS	SW7470
TCLP Lead	0.20	0.10	0.010	mg/L	01/30/15	LK	SW6010
TCLP Selenium	< 0.10	0.10	0.10	mg/L	01/30/15	LK	SW6010

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 55 COMP

Phoenix I.D.: BH68756

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.3	3.3	1.5	mg/Kg	01/30/15	LK	SW6010	
TCLP Metals Digestion	Completed				01/30/15	I/I	SW3005	
Trivalent Chromium	4.66	0.50		mg/kg	01/31/15	KDB	Calculation	
Vanadium	5.22	0.37	0.37	mg/Kg	01/30/15	LK	SW6010	
Zinc	28.3	0.37	0.37	mg/Kg	01/30/15	LK	SW6010	
Percent Solid	90			%	01/29/15	I	SW846	
Corrosivity	Negative			Pos/Neg	01/29/15	DH/KDB	SW846	1
Flash Point	>200	200		degree F	01/30/15	Y	SW1010	
Chromium, Hexavalent	< 0.44	0.44	0.44	mg/Kg	01/31/15 08:50	KDB	SW3060/7196	
Ignitability	Passed	140		degree F	01/30/15	Y	SW846	1
pH - Soil	10.54	0.10		pH Units	01/29/15 19:40	DH/KDB	4500-H B/9045	1
Reactivity Cyanide	< 5.4	5.4	0.027	mg/Kg	01/30/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/02/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/02/15	EG	SW 846-7.3	1
Redox Potential	34	1.0		mV	01/29/15	DH/KDB	SM2580B	1
Total Cyanide	< 0.51	0.51	0.25	mg/Kg	01/29/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				01/29/15	BC/H	SW3545	
Soil Extraction for Pesticide	Completed				01/29/15	BC	SW3545	
Soil Extraction for SVOA	Completed				01/29/15	BJ/VH	SW3545	
Mercury Digestion	Completed				01/30/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				01/29/15	/DW	SW8151	
TCLP Digestion Mercury	Completed				01/30/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				01/30/15	FI/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				01/29/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				01/29/15	I	1311	
TCLP Pesticides Extraction	Completed				01/30/15	BT	SW3510	
TCLP Semi-Volatile Extraction	Completed				01/30/15	BT	SW3510	
TCLP Extraction Volatiles	Completed				01/29/15	Y	EPA 1311	
Total Metals Digest	Completed				01/29/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				01/29/15	CC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	46	46	ug/Kg	02/01/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	46	46	ug/Kg	02/01/15	BB	SW8151	
2,4-D	ND	46	46	ug/Kg	02/01/15	BB	SW8151	
2,4-DB	ND	460	460	ug/Kg	02/01/15	BB	SW8151	
Dalapon	ND	46	46	ug/Kg	02/01/15	BB	SW8151	
Dicamba	ND	92	92	ug/Kg	02/01/15	BB	SW8151	
Dichloroprop	ND	46	46	ug/Kg	02/01/15	BB	SW8151	
Dinoseb	ND	92	92	ug/Kg	02/01/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	51			%	02/01/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	73	73	ug/Kg	01/30/15	AW	SW 8082	
PCB-1221	ND	73	73	ug/Kg	01/30/15	AW	SW 8082	
PCB-1232	ND	73	73	ug/Kg	01/30/15	AW	SW 8082	
PCB-1242	ND	73	73	ug/Kg	01/30/15	AW	SW 8082	
PCB-1248	ND	73	73	ug/Kg	01/30/15	AW	SW 8082	
PCB-1254	ND	73	73	ug/Kg	01/30/15	AW	SW 8082	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	73	73	ug/Kg	01/30/15	AW	SW 8082
PCB-1262	ND	73	73	ug/Kg	01/30/15	AW	SW 8082
PCB-1268	ND	73	73	ug/Kg	01/30/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	70			%	01/30/15	AW	30 - 150 %
% TCMX	86			%	01/30/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.2	2.2	ug/Kg	01/30/15	CE	SW8081
4,4' -DDE	4.5	2.2	2.2	ug/Kg	01/30/15	CE	SW8081
4,4' -DDT	11	2.2	2.2	ug/Kg	01/30/15	CE	SW8081
a-BHC	ND	7.3	7.3	ug/Kg	01/30/15	CE	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	01/30/15	CE	SW8081
Aldrin	ND	3.6	3.6	ug/Kg	01/30/15	CE	SW8081
b-BHC	ND	7.3	7.3	ug/Kg	01/30/15	CE	SW8081
Chlordane	ND	36	36	ug/Kg	01/30/15	CE	SW8081
d-BHC	ND	7.3	7.3	ug/Kg	01/30/15	CE	SW8081
Dieldrin	ND	3.6	3.6	ug/Kg	01/30/15	CE	SW8081
Endosulfan I	ND	7.3	7.3	ug/Kg	01/30/15	CE	SW8081
Endosulfan II	ND	7.3	7.3	ug/Kg	01/30/15	CE	SW8081
Endosulfan sulfate	ND	7.3	7.3	ug/Kg	01/30/15	CE	SW8081
Endrin	ND	7.3	7.3	ug/Kg	01/30/15	CE	SW8081
Endrin aldehyde	ND	7.3	7.3	ug/Kg	01/30/15	CE	SW8081
Endrin ketone	ND	7.3	7.3	ug/Kg	01/30/15	CE	SW8081
g-BHC	ND	1.5	1.5	ug/Kg	01/30/15	CE	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	01/30/15	CE	SW8081
Heptachlor	ND	7.3	7.3	ug/Kg	01/30/15	CE	SW8081
Heptachlor epoxide	ND	7.3	7.3	ug/Kg	01/30/15	CE	SW8081
Methoxychlor	ND	36	36	ug/Kg	01/30/15	CE	SW8081
Toxaphene	ND	150	150	ug/Kg	01/30/15	CE	SW8081
QA/QC Surrogates							
% DCBP	85			%	01/30/15	CE	30 - 150 %
% TCMX	92			%	01/30/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/03/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/03/15	BB	SW8151
QA/QC Surrogates							
% DCAA	61			%	02/03/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	01/31/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	01/31/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	01/31/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	01/31/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	01/31/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	01/31/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	01/31/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	01/31/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	01/31/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	01/31/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	01/31/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	01/31/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	01/31/15	CE	SW 8081
Endrin	ND	1.0		ug/L	01/31/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	01/31/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	01/31/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	01/31/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	01/31/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	01/31/15	CE	SW 8081
Toxaphene	ND	20		ug/L	01/31/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	87			%	01/31/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	67			%	01/31/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	54	54	mg/Kg	01/30/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	74			%	01/30/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	01/30/15	MH	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	01/30/15	MH	SW8260
Benzene	ND	25	25	ug/L	01/30/15	MH	SW8260
Carbon tetrachloride	ND	25	25	ug/L	01/30/15	MH	SW8260
Chlorobenzene	ND	25	25	ug/L	01/30/15	MH	SW8260
Chloroform	ND	25	25	ug/L	01/30/15	MH	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	01/30/15	MH	SW8260
Tetrachloroethene	ND	25	25	ug/L	01/30/15	MH	SW8260
Trichloroethene	ND	25	25	ug/L	01/30/15	MH	SW8260
Vinyl chloride	ND	25	25	ug/L	01/30/15	MH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99			%	01/30/15	MH	70 - 130 %
% Bromofluorobenzene	95			%	01/30/15	MH	70 - 130 %
% Dibromofluoromethane	98			%	01/30/15	MH	70 - 130 %
% Toluene-d8	98			%	01/30/15	MH	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	260	110	ug/Kg	01/30/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	01/30/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	370	370	ug/Kg	01/30/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	260	170	ug/Kg	01/30/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	01/30/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	01/30/15	DD	SW 8270
2,4-Dichlorophenol	ND	150	130	ug/Kg	01/30/15	DD	SW 8270
2,4-Dimethylphenol	ND	260	91	ug/Kg	01/30/15	DD	SW 8270
2,4-Dinitrophenol	ND	260	260	ug/Kg	01/30/15	DD	SW 8270
2,4-Dinitrotoluene	ND	150	150	ug/Kg	01/30/15	DD	SW 8270
2,6-Dinitrotoluene	ND	150	120	ug/Kg	01/30/15	DD	SW 8270
2-Chloronaphthalene	ND	260	100	ug/Kg	01/30/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 55 COMP

Phoenix I.D.: BH68756

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND	260	100	ug/Kg	01/30/15	DD	SW 8270	
2-Methylnaphthalene	ND	260	110	ug/Kg	01/30/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	01/30/15	DD	SW 8270	
2-Nitroaniline	ND	1800	370	ug/Kg	01/30/15	DD	SW 8270	
2-Nitrophenol	ND	260	230	ug/Kg	01/30/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	01/30/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	150	170	ug/Kg	01/30/15	DD	SW 8270	
3-Nitroaniline	ND	1800	800	ug/Kg	01/30/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	260	400	ug/Kg	01/30/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	01/30/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	01/30/15	DD	SW 8270	
4-Chloroaniline	ND	740	170	ug/Kg	01/30/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	01/30/15	DD	SW 8270	
4-Nitroaniline	ND	1800	120	ug/Kg	01/30/15	DD	SW 8270	
4-Nitrophenol	ND	1800	170	ug/Kg	01/30/15	DD	SW 8270	
Acenaphthene	ND	260	110	ug/Kg	01/30/15	DD	SW 8270	
Acenaphthylene	ND	150	100	ug/Kg	01/30/15	DD	SW 8270	
Acetophenone	ND	260	110	ug/Kg	01/30/15	DD	SW 8270	
Anthracene	ND	260	120	ug/Kg	01/30/15	DD	SW 8270	
Atrazine	ND	150	170	ug/Kg	01/30/15	DD	SW 8270	
Benz(a)anthracene	ND	260	120	ug/Kg	01/30/15	DD	SW 8270	
Benzaldehyde	ND	260	110	ug/Kg	01/30/15	DD	SW 8270	
Benzidine	ND	550	550	ug/Kg	01/30/15	DD	SW 8270	
Benzo(a)pyrene	ND	150	120	ug/Kg	01/30/15	DD	SW 8270	
Benzo(b)fluoranthene	ND	260	130	ug/Kg	01/30/15	DD	SW 8270	
Benzo(ghi)perylene	ND	260	120	ug/Kg	01/30/15	DD	SW 8270	
Benzo(k)fluoranthene	ND	260	120	ug/Kg	01/30/15	DD	SW 8270	
Benzyl Alcohol	ND	370	370	ug/Kg	01/30/15	DD	SW 8270	
Benzyl butyl phthalate	ND	260	95	ug/Kg	01/30/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	01/30/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	150	99	ug/Kg	01/30/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	01/30/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	01/30/15	DD	SW 8270	
Caprolactam	ND	260	660	ug/Kg	01/30/15	DD	SW 8270	
Carbazole	ND	1800	280	ug/Kg	01/30/15	DD	SW 8270	
Chrysene	ND	260	120	ug/Kg	01/30/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND	150	120	ug/Kg	01/30/15	DD	SW 8270	
Dibenzofuran	ND	260	110	ug/Kg	01/30/15	DD	SW 8270	
Diethyl phthalate	ND	260	120	ug/Kg	01/30/15	DD	SW 8270	
Dimethylphthalate	ND	260	110	ug/Kg	01/30/15	DD	SW 8270	
Di-n-butylphthalate	ND	260	98	ug/Kg	01/30/15	DD	SW 8270	
Di-n-octylphthalate	ND	260	95	ug/Kg	01/30/15	DD	SW 8270	
Fluoranthene	ND	260	120	ug/Kg	01/30/15	DD	SW 8270	
Fluorene	ND	260	120	ug/Kg	01/30/15	DD	SW 8270	
Hexachlorobenzene	ND	150	110	ug/Kg	01/30/15	DD	SW 8270	
Hexachlorobutadiene	ND	260	130	ug/Kg	01/30/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	01/30/15	DD	SW 8270	
Hexachloroethane	ND	150	110	ug/Kg	01/30/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	01/30/15	DD	SW 8270	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND	150	100	ug/Kg	01/30/15	DD	SW 8270	
Naphthalene	ND	260	110	ug/Kg	01/30/15	DD	SW 8270	
Nitrobenzene	ND	150	130	ug/Kg	01/30/15	DD	SW 8270	
N-Nitrosodimethylamine	ND	260	100	ug/Kg	01/30/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	150	120	ug/Kg	01/30/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND	150	140	ug/Kg	01/30/15	DD	SW 8270	
Pentachlorophenol	ND	260	140	ug/Kg	01/30/15	DD	SW 8270	
Phenanthrene	ND	150	110	ug/Kg	01/30/15	DD	SW 8270	
Phenol	ND	260	120	ug/Kg	01/30/15	DD	SW 8270	
Pyrene	ND	260	130	ug/Kg	01/30/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	95			%	01/30/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	85			%	01/30/15	DD	30 - 130 %	
% 2-Fluorophenol	84			%	01/30/15	DD	30 - 130 %	
% Nitrobenzene-d5	88			%	01/30/15	DD	30 - 130 %	
% Phenol-d5	88			%	01/30/15	DD	30 - 130 %	
% Terphenyl-d14	69			%	01/30/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral								
1,4-Dichlorobenzene	ND	83	83	ug/L	02/02/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND	83	83	ug/L	02/02/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND	83	83	ug/L	02/02/15	DD	SW 8270	
2,4-Dinitrotoluene	ND	83	83	ug/L	02/02/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	83	83	ug/L	02/02/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND	83	83	ug/L	02/02/15	DD	SW 8270	
Hexachlorobenzene	ND	83	83	ug/L	02/02/15	DD	SW 8270	
Hexachlorobutadiene	ND	83	83	ug/L	02/02/15	DD	SW 8270	
Hexachloroethane	ND	83	83	ug/L	02/02/15	DD	SW 8270	
Nitrobenzene	ND	83	83	ug/L	02/02/15	DD	SW 8270	
Pentachlorophenol	ND	83	83	ug/L	02/02/15	DD	SW 8270	
Pyridine	ND	83	83	ug/L	02/02/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	76			%	02/02/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	60			%	02/02/15	DD	30 - 130 %	
% 2-Fluorophenol	43			%	02/02/15	DD	15 - 110 %	
% Nitrobenzene-d5	60			%	02/02/15	DD	30 - 130 %	
% Phenol-d5	43			%	02/02/15	DD	15 - 110 %	
% Terphenyl-d14	79			%	02/02/15	DD	30 - 130 %	
Aniline	ND	330		ug/Kg	01/30/15	DD	SW8270	
Benzoic Acid	ND	330		ug/Kg	01/30/15	DD	SW8270	1
Parathion	ND	370	150	ug/Kg	01/30/15	DD	SW8270	1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

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

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

Comments:

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
February 05, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 05, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	01/29/15	8:30
Location Code:	IMPACT	Received by:	SW	01/29/15	17:06
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH68753
Phoenix ID: BH68757

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 46 2-3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	01/29/15	I	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	2.3	0.46	ug/Kg	01/30/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	2.3	0.46	ug/Kg	01/30/15	JLI	SW8260
1,3-Dichlorobenzene	ND	2.3	0.46	ug/Kg	01/30/15	JLI	SW8260
Naphthalene	ND	2.3	0.62	ug/Kg	01/30/15	JLI	SW8260
n-Butylbenzene	ND	2.3	0.46	ug/Kg	01/30/15	JLI	SW8260
n-Propylbenzene	ND	2.3	0.46	ug/Kg	01/30/15	JLI	SW8260
p-Isopropyltoluene	ND	2.3	0.46	ug/Kg	01/30/15	JLI	SW8260
sec-Butylbenzene	ND	2.3	0.46	ug/Kg	01/30/15	JLI	SW8260
tert-Butylbenzene	ND	2.3	0.46	ug/Kg	01/30/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101			%	01/30/15	JLI	SW8260
% Bromofluorobenzene	89			%	01/30/15	JLI	SW8260
% Dibromofluoromethane	90			%	01/30/15	JLI	SW8260
% Toluene-d8	98			%	01/30/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	46	46	ug/kg	01/30/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	2.3	0.46	ug/Kg	01/30/15	JLI	SW8260
1,1,1-Trichloroethane	ND	2.3	0.46	ug/Kg	01/30/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	2.3	0.33	ug/Kg	01/30/15	JLI	SW8260
1,1,2-Trichloroethane	ND	2.3	0.23	ug/Kg	01/30/15	JLI	SW8260
1,1-Dichloroethane	ND	2.3	0.46	ug/Kg	01/30/15	JLI	SW8260
1,1-Dichloroethene	ND	2.3	0.50	ug/Kg	01/30/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 46 2-3

Phoenix I.D.: BH68757

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		2.3	0.31	ug/Kg	01/30/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		2.3	0.27	ug/Kg	01/30/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		2.3	0.62	ug/Kg	01/30/15	JLI	SW8260
1,2-Dibromoethane	ND		2.3	0.61	ug/Kg	01/30/15	JLI	SW8260
1,2-Dichlorobenzene	ND		2.3	0.25	ug/Kg	01/30/15	JLI	SW8260
1,2-Dichloroethane	ND		2.3	0.20	ug/Kg	01/30/15	JLI	SW8260
1,2-Dichloropropane	ND		2.3	0.33	ug/Kg	01/30/15	JLI	SW8260
1,3-Dichlorobenzene	ND		2.3	0.34	ug/Kg	01/30/15	JLI	SW8260
1,4-Dichlorobenzene	ND		2.3	0.36	ug/Kg	01/30/15	JLI	SW8260
2-Hexanone	ND		12	1.0	ug/Kg	01/30/15	JLI	SW8260
4-Methyl-2-pentanone	ND		12	0.55	ug/Kg	01/30/15	JLI	SW8260
Acetone	4.2	JS	23	2.3	ug/Kg	01/30/15	JLI	SW8260
Acrolein	ND		12	1.8	ug/Kg	01/30/15	JLI	SW8260
Acrylonitrile	ND		4.6	1.3	ug/Kg	01/30/15	JLI	SW8260
Benzene	ND		2.3	0.46	ug/Kg	01/30/15	JLI	SW8260
Bromochloromethane	ND		2.3	0.34	ug/Kg	01/30/15	JLI	SW8260
Bromodichloromethane	ND		2.3	0.29	ug/Kg	01/30/15	JLI	SW8260
Bromoform	ND		2.3	0.32	ug/Kg	01/30/15	JLI	SW8260
Bromomethane	ND		2.3	1.8	ug/Kg	01/30/15	JLI	SW8260
Carbon Disulfide	ND		2.3	0.37	ug/Kg	01/30/15	JLI	SW8260
Carbon tetrachloride	ND		2.3	0.27	ug/Kg	01/30/15	JLI	SW8260
Chlorobenzene	ND		2.3	0.34	ug/Kg	01/30/15	JLI	SW8260
Chloroethane	ND		2.3	0.54	ug/Kg	01/30/15	JLI	SW8260
Chloroform	ND		2.3	0.42	ug/Kg	01/30/15	JLI	SW8260
Chloromethane	ND		2.3	1.2	ug/Kg	01/30/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		2.3	0.50	ug/Kg	01/30/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		2.3	0.25	ug/Kg	01/30/15	JLI	SW8260
Cyclohexane	ND		2.3	2.3	ug/Kg	01/30/15	JLI	SW8260
Dibromochloromethane	ND		2.3	0.26	ug/Kg	01/30/15	JLI	SW8260
Dichlorodifluoromethane	ND		2.3	0.61	ug/Kg	01/30/15	JLI	SW8260
Ethylbenzene	ND		2.3	0.42	ug/Kg	01/30/15	JLI	SW8260
Isopropylbenzene	ND		2.3	0.44	ug/Kg	01/30/15	JLI	SW8260
m&p-Xylene	ND		2.3	0.91	ug/Kg	01/30/15	JLI	SW8260
Methyl ethyl ketone	ND		14	2.0	ug/Kg	01/30/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		4.6	0.63	ug/Kg	01/30/15	JLI	SW8260
Methylacetate	ND		2.3	2.3	ug/Kg	01/30/15	JLI	SW8260
Methylcyclohexane	ND		2.3	2.3	ug/Kg	01/30/15	JLI	SW8260
Methylene chloride	ND		2.3	0.38	ug/Kg	01/30/15	JLI	SW8260
o-Xylene	ND		2.3	0.88	ug/Kg	01/30/15	JLI	SW8260
Styrene	ND		2.3	0.66	ug/Kg	01/30/15	JLI	SW8260
tert-butyl alcohol	ND		46	46	ug/Kg	01/30/15	JLI	SW8260
Tetrachloroethene	ND		2.3	0.48	ug/Kg	01/30/15	JLI	SW8260
Toluene	ND		2.3	0.36	ug/Kg	01/30/15	JLI	SW8260
Total Xylenes	ND		2.3	2.3	ug/Kg	01/30/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		2.3	0.46	ug/Kg	01/30/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		2.3	0.47	ug/Kg	01/30/15	JLI	SW8260
Trichloroethene	ND		2.3	0.49	ug/Kg	01/30/15	JLI	SW8260
Trichlorofluoromethane	ND		2.3	0.51	ug/Kg	01/30/15	JLI	SW8260
Trichlorotrifluoroethane	ND		2.3	0.36	ug/Kg	01/30/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 46 2-3

Phoenix I.D.: BH68757

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	2.3	0.75	ug/Kg	01/30/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	101			%	01/30/15	JLI	70 - 130 %	
% Bromofluorobenzene	87			%	01/30/15	JLI	70 - 130 %	
% Dibromofluoromethane	90			%	01/30/15	JLI	70 - 130 %	
% Toluene-d8	98			%	01/30/15	JLI	70 - 130 %	
Vinyl Acetate	ND	23	23	ug/Kg	01/30/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

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 05, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 05, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	01/29/15	8:30
Location Code:	IMPACT	Received by:	SW	01/29/15	17:06
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH68753
Phoenix ID: BH68758

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 46 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.37	0.37	0.37	mg/Kg	01/30/15	LK	SW6010
Aluminum	2150	56	7.4	mg/Kg	01/30/15	LK	SW6010
Arsenic	2.1	0.7	0.74	mg/Kg	01/30/15	LK	SW6010
Barium	38.7	0.37	0.37	mg/Kg	01/30/15	LK	SW6010
Beryllium	< 0.30	0.30	0.15	mg/Kg	01/30/15	LK	SW6010
Calcium	2520	5.6	3.4	mg/Kg	01/30/15	LK	SW6010
Cadmium	< 0.37	0.37	0.15	mg/Kg	01/30/15	LK	SW6010
Cobalt	1.92	0.37	0.37	mg/Kg	01/30/15	LK	SW6010
Chromium	7.20	0.37	0.37	mg/Kg	01/30/15	LK	SW6010
Copper	18.4	0.37	0.37	mg/kg	01/30/15	LK	SW6010
Iron	4600	5.6	3.7	mg/Kg	01/30/15	LK	SW6010
Mercury	0.20	0.03	0.02	mg/Kg	01/30/15	RS	SW-7471
Potassium	355	5.6	2.9	mg/Kg	01/30/15	LK	SW6010
Magnesium	1410	5.6	3.7	mg/Kg	01/30/15	LK	SW6010
Manganese	66.5	0.37	0.37	mg/Kg	01/30/15	LK	SW6010
Sodium	326	5.6	3.2	mg/Kg	01/30/15	LK	SW6010
Nickel	6.11	0.37	0.37	mg/Kg	01/30/15	LK	SW6010
Lead	84.8	0.37	0.37	mg/Kg	01/30/15	LK	SW6010
Antimony	< 3.7	3.7	1.9	mg/Kg	01/30/15	LK	SW6010
Selenium	< 1.5	1.5	1.3	mg/Kg	01/30/15	LK	SW6010
TCLP Silver	< 0.10	0.10	0.010	mg/L	01/30/15	LK	SW6010
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	01/30/15	LK	SW6010
TCLP Barium	0.74	0.10	0.010	mg/L	01/30/15	LK	SW6010
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	01/30/15	LK	SW6010
TCLP Chromium	< 0.10	0.10	0.010	mg/L	01/30/15	LK	SW6010
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	01/30/15	RS	SW7470
TCLP Lead	0.36	0.10	0.010	mg/L	01/30/15	LK	SW6010
TCLP Selenium	< 0.10	0.10	0.10	mg/L	01/30/15	LK	SW6010

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 46 COMP

Phoenix I.D.: BH68758

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.4	3.4	1.5	mg/Kg	01/30/15	LK	SW6010	
TCLP Metals Digestion	Completed				01/30/15	I/I	SW3005	
Trivalent Chromium	7.20	0.50		mg/kg	01/31/15	KDB	Calculation	
Vanadium	7.57	0.37	0.37	mg/Kg	01/30/15	LK	SW6010	
Zinc	84.3	0.37	0.37	mg/Kg	01/30/15	LK	SW6010	
Percent Solid	92			%	01/29/15	I	SW846	
Corrosivity	Negative			Pos/Neg	01/29/15	DH/KDB	SW846	1
Flash Point	>200	200		degree F	01/30/15	Y	SW1010	
Chromium, Hexavalent	< 0.43	0.43	0.43	mg/Kg	01/31/15 08:50	KDB	SW3060/7196	
Ignitability	Passed	140		degree F	01/30/15	Y	SW846	1
pH - Soil	10.92	0.10		pH Units	01/29/15 19:40	DH/KDB	4500-H B/9045	1
Reactivity Cyanide	< 5.3	5.3	0.027	mg/Kg	01/30/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/02/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/02/15	EG	SW 846-7.3	1
Redox Potential	24	1.0		mV	01/29/15	DH/KDB	SM2580B	1
Total Cyanide	< 0.49	0.49	0.25	mg/Kg	01/29/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				01/29/15	BC/H	SW3545	
Soil Extraction for Pesticide	Completed				01/29/15	BC	SW3545	
Soil Extraction for SVOA	Completed				01/29/15	BJ/VH	SW3545	
Mercury Digestion	Completed				01/30/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				01/29/15	/DW	SW8151	
TCLP Digestion Mercury	Completed				01/30/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				01/30/15	FI/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				01/29/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				01/29/15	I	1311	
TCLP Pesticides Extraction	Completed				01/30/15	BT	SW3510	
TCLP Semi-Volatile Extraction	Completed				01/30/15	BT	SW3510	
TCLP Extraction Volatiles	Completed				01/29/15	Y	EPA 1311	
Total Metals Digest	Completed				01/29/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				01/29/15	CC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	45	45	ug/Kg	02/01/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	45	45	ug/Kg	02/01/15	BB	SW8151	
2,4-D	ND	45	45	ug/Kg	02/01/15	BB	SW8151	
2,4-DB	ND	450	450	ug/Kg	02/01/15	BB	SW8151	
Dalapon	ND	45	45	ug/Kg	02/01/15	BB	SW8151	
Dicamba	ND	90	90	ug/Kg	02/01/15	BB	SW8151	
Dichloroprop	ND	45	45	ug/Kg	02/01/15	BB	SW8151	
Dinoseb	ND	90	90	ug/Kg	02/01/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	55			%	02/01/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	71	71	ug/Kg	01/30/15	AW	SW 8082	
PCB-1221	ND	71	71	ug/Kg	01/30/15	AW	SW 8082	
PCB-1232	ND	71	71	ug/Kg	01/30/15	AW	SW 8082	
PCB-1242	ND	71	71	ug/Kg	01/30/15	AW	SW 8082	
PCB-1248	ND	71	71	ug/Kg	01/30/15	AW	SW 8082	
PCB-1254	ND	71	71	ug/Kg	01/30/15	AW	SW 8082	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	71	71	ug/Kg	01/30/15	AW	SW 8082
PCB-1262	ND	71	71	ug/Kg	01/30/15	AW	SW 8082
PCB-1268	ND	71	71	ug/Kg	01/30/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	71			%	01/30/15	AW	30 - 150 %
% TCMX	88			%	01/30/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.1	2.1	ug/Kg	01/30/15	CE	SW8081
4,4' -DDE	ND	2.1	2.1	ug/Kg	01/30/15	CE	SW8081
4,4' -DDT	ND	2.1	2.1	ug/Kg	01/30/15	CE	SW8081
a-BHC	ND	7.1	7.1	ug/Kg	01/30/15	CE	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	01/30/15	CE	SW8081
Aldrin	ND	3.6	3.6	ug/Kg	01/30/15	CE	SW8081
b-BHC	ND	7.1	7.1	ug/Kg	01/30/15	CE	SW8081
Chlordane	ND	36	36	ug/Kg	01/30/15	CE	SW8081
d-BHC	ND	7.1	7.1	ug/Kg	01/30/15	CE	SW8081
Dieldrin	ND	3.6	3.6	ug/Kg	01/30/15	CE	SW8081
Endosulfan I	ND	7.1	7.1	ug/Kg	01/30/15	CE	SW8081
Endosulfan II	ND	7.1	7.1	ug/Kg	01/30/15	CE	SW8081
Endosulfan sulfate	ND	7.1	7.1	ug/Kg	01/30/15	CE	SW8081
Endrin	ND	7.1	7.1	ug/Kg	01/30/15	CE	SW8081
Endrin aldehyde	ND	7.1	7.1	ug/Kg	01/30/15	CE	SW8081
Endrin ketone	ND	7.1	7.1	ug/Kg	01/30/15	CE	SW8081
g-BHC	ND	1.4	1.4	ug/Kg	01/30/15	CE	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	01/30/15	CE	SW8081
Heptachlor	ND	7.1	7.1	ug/Kg	01/30/15	CE	SW8081
Heptachlor epoxide	ND	7.1	7.1	ug/Kg	01/30/15	CE	SW8081
Methoxychlor	ND	36	36	ug/Kg	01/30/15	CE	SW8081
Toxaphene	ND	140	140	ug/Kg	01/30/15	CE	SW8081
QA/QC Surrogates							
% DCBP	85			%	01/30/15	CE	30 - 150 %
% TCMX	91			%	01/30/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/03/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/03/15	BB	SW8151
QA/QC Surrogates							
% DCAA	59			%	02/03/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	01/31/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	01/31/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	01/31/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	01/31/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	01/31/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	01/31/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	01/31/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	01/31/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	01/31/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	01/31/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	01/31/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	01/31/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	01/31/15	CE	SW 8081
Endrin	ND	1.0		ug/L	01/31/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	01/31/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	01/31/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	01/31/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	01/31/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	01/31/15	CE	SW 8081
Toxaphene	ND	20		ug/L	01/31/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	89			%	01/31/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	65			%	01/31/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	53	53	mg/Kg	01/30/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	83			%	01/30/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	01/30/15	MH	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	01/30/15	MH	SW8260
Benzene	ND	25	25	ug/L	01/30/15	MH	SW8260
Carbon tetrachloride	ND	25	25	ug/L	01/30/15	MH	SW8260
Chlorobenzene	ND	25	25	ug/L	01/30/15	MH	SW8260
Chloroform	ND	25	25	ug/L	01/30/15	MH	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	01/30/15	MH	SW8260
Tetrachloroethene	ND	25	25	ug/L	01/30/15	MH	SW8260
Trichloroethene	ND	25	25	ug/L	01/30/15	MH	SW8260
Vinyl chloride	ND	25	25	ug/L	01/30/15	MH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101			%	01/30/15	MH	70 - 130 %
% Bromofluorobenzene	93			%	01/30/15	MH	70 - 130 %
% Dibromofluoromethane	93			%	01/30/15	MH	70 - 130 %
% Toluene-d8	99			%	01/30/15	MH	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	250	110	ug/Kg	01/30/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	01/30/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	360	360	ug/Kg	01/30/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	250	170	ug/Kg	01/30/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	01/30/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	140	120	ug/Kg	01/30/15	DD	SW 8270
2,4-Dichlorophenol	ND	140	130	ug/Kg	01/30/15	DD	SW 8270
2,4-Dimethylphenol	ND	250	89	ug/Kg	01/30/15	DD	SW 8270
2,4-Dinitrophenol	ND	250	250	ug/Kg	01/30/15	DD	SW 8270
2,4-Dinitrotoluene	ND	140	140	ug/Kg	01/30/15	DD	SW 8270
2,6-Dinitrotoluene	ND	140	110	ug/Kg	01/30/15	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	01/30/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 46 COMP

Phoenix I.D.: BH68758

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		250	100	ug/Kg	01/30/15	DD	SW 8270	
2-Methylnaphthalene	ND		250	110	ug/Kg	01/30/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		250	170	ug/Kg	01/30/15	DD	SW 8270	
2-Nitroaniline	ND		1800	360	ug/Kg	01/30/15	DD	SW 8270	
2-Nitrophenol	ND		250	230	ug/Kg	01/30/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		250	140	ug/Kg	01/30/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		140	170	ug/Kg	01/30/15	DD	SW 8270	
3-Nitroaniline	ND		1800	780	ug/Kg	01/30/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		250	390	ug/Kg	01/30/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		250	110	ug/Kg	01/30/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		250	130	ug/Kg	01/30/15	DD	SW 8270	
4-Chloroaniline	ND		720	170	ug/Kg	01/30/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		250	120	ug/Kg	01/30/15	DD	SW 8270	
4-Nitroaniline	ND		1800	120	ug/Kg	01/30/15	DD	SW 8270	
4-Nitrophenol	ND		1800	160	ug/Kg	01/30/15	DD	SW 8270	
Acenaphthene	ND		250	110	ug/Kg	01/30/15	DD	SW 8270	
Acenaphthylene	ND		140	100	ug/Kg	01/30/15	DD	SW 8270	
Acetophenone	ND		250	110	ug/Kg	01/30/15	DD	SW 8270	
Anthracene	ND		250	120	ug/Kg	01/30/15	DD	SW 8270	
Atrazine	ND		140	160	ug/Kg	01/30/15	DD	SW 8270	
Benz(a)anthracene	140	J	250	120	ug/Kg	01/30/15	DD	SW 8270	
Benzaldehyde	ND		250	110	ug/Kg	01/30/15	DD	SW 8270	
Benzidine	ND		540	540	ug/Kg	01/30/15	DD	SW 8270	
Benzo(a)pyrene	130	J	140	120	ug/Kg	01/30/15	DD	SW 8270	
Benzo(b)fluoranthene	190	J	250	120	ug/Kg	01/30/15	DD	SW 8270	
Benzo(ghi)perylene	ND		250	120	ug/Kg	01/30/15	DD	SW 8270	
Benzo(k)fluoranthene	ND		250	120	ug/Kg	01/30/15	DD	SW 8270	
Benzyl Alcohol	ND		360	360	ug/Kg	01/30/15	DD	SW 8270	
Benzyl butyl phthalate	ND		250	93	ug/Kg	01/30/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		250	99	ug/Kg	01/30/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		140	97	ug/Kg	01/30/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		250	100	ug/Kg	01/30/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		250	100	ug/Kg	01/30/15	DD	SW 8270	
Caprolactam	ND		250	640	ug/Kg	01/30/15	DD	SW 8270	
Carbazole	ND		1800	270	ug/Kg	01/30/15	DD	SW 8270	
Chrysene	160	J	250	120	ug/Kg	01/30/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		140	120	ug/Kg	01/30/15	DD	SW 8270	
Dibenzofuran	ND		250	110	ug/Kg	01/30/15	DD	SW 8270	
Diethyl phthalate	ND		250	110	ug/Kg	01/30/15	DD	SW 8270	
Dimethylphthalate	ND		250	110	ug/Kg	01/30/15	DD	SW 8270	
Di-n-butylphthalate	ND		250	96	ug/Kg	01/30/15	DD	SW 8270	
Di-n-octylphthalate	ND		250	93	ug/Kg	01/30/15	DD	SW 8270	
Fluoranthene	230	J	250	120	ug/Kg	01/30/15	DD	SW 8270	
Fluorene	ND		250	120	ug/Kg	01/30/15	DD	SW 8270	
Hexachlorobenzene	ND		140	110	ug/Kg	01/30/15	DD	SW 8270	
Hexachlorobutadiene	ND		250	130	ug/Kg	01/30/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		250	110	ug/Kg	01/30/15	DD	SW 8270	
Hexachloroethane	ND		140	110	ug/Kg	01/30/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND		250	120	ug/Kg	01/30/15	DD	SW 8270	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND		140	100	ug/Kg	01/30/15	DD	SW 8270	
Naphthalene	ND		250	100	ug/Kg	01/30/15	DD	SW 8270	
Nitrobenzene	ND		140	130	ug/Kg	01/30/15	DD	SW 8270	
N-Nitrosodimethylamine	ND		250	100	ug/Kg	01/30/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		140	120	ug/Kg	01/30/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND		140	140	ug/Kg	01/30/15	DD	SW 8270	
Pentachlorophenol	ND		250	140	ug/Kg	01/30/15	DD	SW 8270	
Phenanthrene	180		140	100	ug/Kg	01/30/15	DD	SW 8270	
Phenol	ND		250	120	ug/Kg	01/30/15	DD	SW 8270	
Pyrene	190	J	250	120	ug/Kg	01/30/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	95				%	01/30/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	83				%	01/30/15	DD	30 - 130 %	
% 2-Fluorophenol	82				%	01/30/15	DD	30 - 130 %	
% Nitrobenzene-d5	85				%	01/30/15	DD	30 - 130 %	
% Phenol-d5	87				%	01/30/15	DD	30 - 130 %	
% Terphenyl-d14	65				%	01/30/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral									
1,4-Dichlorobenzene	ND		83	83	ug/L	02/02/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND		83	83	ug/L	02/02/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND		83	83	ug/L	02/02/15	DD	SW 8270	
2,4-Dinitrotoluene	ND		83	83	ug/L	02/02/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		83	83	ug/L	02/02/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND		83	83	ug/L	02/02/15	DD	SW 8270	
Hexachlorobenzene	ND		83	83	ug/L	02/02/15	DD	SW 8270	
Hexachlorobutadiene	ND		83	83	ug/L	02/02/15	DD	SW 8270	
Hexachloroethane	ND		83	83	ug/L	02/02/15	DD	SW 8270	
Nitrobenzene	ND		83	83	ug/L	02/02/15	DD	SW 8270	
Pentachlorophenol	ND		83	83	ug/L	02/02/15	DD	SW 8270	
Pyridine	ND		83	83	ug/L	02/02/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	86				%	02/02/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	67				%	02/02/15	DD	30 - 130 %	
% 2-Fluorophenol	53				%	02/02/15	DD	15 - 110 %	
% Nitrobenzene-d5	73				%	02/02/15	DD	30 - 130 %	
% Phenol-d5	51				%	02/02/15	DD	15 - 110 %	
% Terphenyl-d14	85				%	02/02/15	DD	30 - 130 %	
Aniline	ND		330		ug/Kg	01/30/15	DD	SW8270	
Benzoic Acid	ND		330		ug/Kg	01/30/15	DD	SW8270	1
Parathion	ND		360	140	ug/Kg	01/30/15	DD	SW8270	1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
February 05, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 05, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	01/29/15	9:00
Location Code:	IMPACT	Received by:	SW	01/29/15	17:06
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH68753
Phoenix ID: BH68759

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 41 1-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	01/29/15	I	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	2.6	0.51	ug/Kg	01/30/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	2.6	0.51	ug/Kg	01/30/15	JLI	SW8260
1,3-Dichlorobenzene	ND	2.6	0.51	ug/Kg	01/30/15	JLI	SW8260
Naphthalene	ND	2.6	0.68	ug/Kg	01/30/15	JLI	SW8260
n-Butylbenzene	ND	2.6	0.51	ug/Kg	01/30/15	JLI	SW8260
n-Propylbenzene	ND	2.6	0.51	ug/Kg	01/30/15	JLI	SW8260
p-Isopropyltoluene	ND	2.6	0.51	ug/Kg	01/30/15	JLI	SW8260
sec-Butylbenzene	ND	2.6	0.51	ug/Kg	01/30/15	JLI	SW8260
tert-Butylbenzene	ND	2.6	0.51	ug/Kg	01/30/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102			%	01/30/15	JLI	SW8260
% Bromofluorobenzene	86			%	01/30/15	JLI	SW8260
% Dibromofluoromethane	102			%	01/30/15	JLI	SW8260
% Toluene-d8	97			%	01/30/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	51	51	ug/kg	01/30/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	2.6	0.51	ug/Kg	01/30/15	JLI	SW8260
1,1,1-Trichloroethane	ND	2.6	0.51	ug/Kg	01/30/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	2.6	0.36	ug/Kg	01/30/15	JLI	SW8260
1,1,2-Trichloroethane	ND	2.6	0.25	ug/Kg	01/30/15	JLI	SW8260
1,1-Dichloroethane	ND	2.6	0.50	ug/Kg	01/30/15	JLI	SW8260
1,1-Dichloroethene	ND	2.6	0.56	ug/Kg	01/30/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 41 1-2

Phoenix I.D.: BH68759

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND	2.6	0.34	ug/Kg	01/30/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND	2.6	0.30	ug/Kg	01/30/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	2.6	0.68	ug/Kg	01/30/15	JLI	SW8260
1,2-Dibromoethane	ND	2.6	0.68	ug/Kg	01/30/15	JLI	SW8260
1,2-Dichlorobenzene	ND	2.6	0.28	ug/Kg	01/30/15	JLI	SW8260
1,2-Dichloroethane	ND	2.6	0.22	ug/Kg	01/30/15	JLI	SW8260
1,2-Dichloropropane	ND	2.6	0.36	ug/Kg	01/30/15	JLI	SW8260
1,3-Dichlorobenzene	ND	2.6	0.38	ug/Kg	01/30/15	JLI	SW8260
1,4-Dichlorobenzene	ND	2.6	0.40	ug/Kg	01/30/15	JLI	SW8260
2-Hexanone	ND	13	1.1	ug/Kg	01/30/15	JLI	SW8260
4-Methyl-2-pentanone	ND	13	0.61	ug/Kg	01/30/15	JLI	SW8260
Acetone	ND	26	2.5	ug/Kg	01/30/15	JLI	SW8260
Acrolein	ND	13	2.0	ug/Kg	01/30/15	JLI	SW8260
Acrylonitrile	ND	5.1	1.4	ug/Kg	01/30/15	JLI	SW8260
Benzene	ND	2.6	0.50	ug/Kg	01/30/15	JLI	SW8260
Bromochloromethane	ND	2.6	0.37	ug/Kg	01/30/15	JLI	SW8260
Bromodichloromethane	ND	2.6	0.32	ug/Kg	01/30/15	JLI	SW8260
Bromoform	ND	2.6	0.36	ug/Kg	01/30/15	JLI	SW8260
Bromomethane	ND	2.6	2.0	ug/Kg	01/30/15	JLI	SW8260
Carbon Disulfide	ND	2.6	0.41	ug/Kg	01/30/15	JLI	SW8260
Carbon tetrachloride	ND	2.6	0.30	ug/Kg	01/30/15	JLI	SW8260
Chlorobenzene	ND	2.6	0.38	ug/Kg	01/30/15	JLI	SW8260
Chloroethane	ND	2.6	0.60	ug/Kg	01/30/15	JLI	SW8260
Chloroform	ND	2.6	0.46	ug/Kg	01/30/15	JLI	SW8260
Chloromethane	ND	2.6	1.3	ug/Kg	01/30/15	JLI	SW8260
cis-1,2-Dichloroethene	ND	2.6	0.56	ug/Kg	01/30/15	JLI	SW8260
cis-1,3-Dichloropropene	ND	2.6	0.28	ug/Kg	01/30/15	JLI	SW8260
Cyclohexane	ND	2.6	2.6	ug/Kg	01/30/15	JLI	SW8260
Dibromochloromethane	ND	2.6	0.29	ug/Kg	01/30/15	JLI	SW8260
Dichlorodifluoromethane	ND	2.6	0.68	ug/Kg	01/30/15	JLI	SW8260
Ethylbenzene	ND	2.6	0.46	ug/Kg	01/30/15	JLI	SW8260
Isopropylbenzene	ND	2.6	0.49	ug/Kg	01/30/15	JLI	SW8260
m&p-Xylene	ND	2.6	1.0	ug/Kg	01/30/15	JLI	SW8260
Methyl ethyl ketone	ND	15	2.2	ug/Kg	01/30/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	5.1	0.70	ug/Kg	01/30/15	JLI	SW8260
Methylacetate	ND	2.6	2.6	ug/Kg	01/30/15	JLI	SW8260
Methylcyclohexane	ND	2.6	2.6	ug/Kg	01/30/15	JLI	SW8260
Methylene chloride	ND	2.6	0.42	ug/Kg	01/30/15	JLI	SW8260
o-Xylene	ND	2.6	0.97	ug/Kg	01/30/15	JLI	SW8260
Styrene	ND	2.6	0.73	ug/Kg	01/30/15	JLI	SW8260
tert-butyl alcohol	ND	51	51	ug/Kg	01/30/15	JLI	SW8260
Tetrachloroethene	ND	2.6	0.54	ug/Kg	01/30/15	JLI	SW8260
Toluene	ND	2.6	0.40	ug/Kg	01/30/15	JLI	SW8260
Total Xylenes	ND	2.6	2.6	ug/Kg	01/30/15	JLI	SW8260
trans-1,2-Dichloroethene	ND	2.6	0.51	ug/Kg	01/30/15	JLI	SW8260
trans-1,3-Dichloropropene	ND	2.6	0.52	ug/Kg	01/30/15	JLI	SW8260
Trichloroethene	ND	2.6	0.54	ug/Kg	01/30/15	JLI	SW8260
Trichlorofluoromethane	ND	2.6	0.57	ug/Kg	01/30/15	JLI	SW8260
Trichlorotrifluoroethane	ND	2.6	0.40	ug/Kg	01/30/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 41 1-2

Phoenix I.D.: BH68759

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	2.6	0.83	ug/Kg	01/30/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	102			%	01/30/15	JLI	70 - 130 %	
% Bromofluorobenzene	84			%	01/30/15	JLI	70 - 130 %	
% Dibromofluoromethane	102			%	01/30/15	JLI	70 - 130 %	
% Toluene-d8	97			%	01/30/15	JLI	70 - 130 %	
Vinyl Acetate	ND	26	26	ug/Kg	01/30/15	JLI	SW8260TIC	1

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

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

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

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 05, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 05, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	01/29/15	9:00
Location Code:	IMPACT	Received by:	SW	01/29/15	17:06
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH68753
Phoenix ID: BH68760

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 41 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.33	0.33	0.33	mg/Kg	01/30/15	LK	SW6010
Aluminum	2130	49	6.5	mg/Kg	01/30/15	LK	SW6010
Arsenic	2.6	0.7	0.65	mg/Kg	01/30/15	LK	SW6010
Barium	110	0.33	0.33	mg/Kg	01/30/15	LK	SW6010
Beryllium	< 0.26	0.26	0.13	mg/Kg	01/30/15	LK	SW6010
Calcium	1440	4.9	3.0	mg/Kg	01/30/15	LK	SW6010
Cadmium	< 0.33	0.33	0.13	mg/Kg	01/30/15	LK	SW6010
Cobalt	1.80	0.33	0.33	mg/Kg	01/30/15	LK	SW6010
Chromium	7.11	0.33	0.33	mg/Kg	01/30/15	LK	SW6010
Copper	25.5	0.33	0.33	mg/kg	01/30/15	LK	SW6010
Iron	4260	4.9	3.3	mg/Kg	01/30/15	LK	SW6010
Mercury	0.42	0.03	0.02	mg/Kg	01/30/15	RS	SW-7471
Potassium	356	4.9	2.6	mg/Kg	01/30/15	LK	SW6010
Magnesium	995	4.9	3.3	mg/Kg	01/30/15	LK	SW6010
Manganese	61.8	0.33	0.33	mg/Kg	01/30/15	LK	SW6010
Sodium	263	4.9	2.8	mg/Kg	01/30/15	LK	SW6010
Nickel	6.31	0.33	0.33	mg/Kg	01/30/15	LK	SW6010
Lead	212	3.3	3.3	mg/Kg	01/30/15	LK	SW6010
Antimony	< 3.3	3.3	1.6	mg/Kg	01/30/15	LK	SW6010
Selenium	< 1.3	1.3	1.1	mg/Kg	01/30/15	LK	SW6010
TCLP Silver	< 0.10	0.10	0.010	mg/L	01/30/15	LK	SW6010
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	01/30/15	LK	SW6010
TCLP Barium	0.96	0.10	0.010	mg/L	01/30/15	LK	SW6010
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	01/30/15	LK	SW6010
TCLP Chromium	< 0.10	0.10	0.010	mg/L	01/30/15	LK	SW6010
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	01/30/15	RS	SW7470
TCLP Lead	2.56	0.10	0.010	mg/L	01/30/15	LK	SW6010
TCLP Selenium	< 0.10	0.10	0.10	mg/L	01/30/15	LK	SW6010

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 41 COMP

Phoenix I.D.: BH68760

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 2.9	2.9	1.3	mg/Kg	01/30/15	LK	SW6010	
TCLP Metals Digestion	Completed				01/30/15	I/I	SW3005	
Trivalent Chromium	7.11	0.50		mg/kg	01/31/15	KDB	Calculation	
Vanadium	7.51	0.33	0.33	mg/Kg	01/30/15	LK	SW6010	
Zinc	188	3.3	3.3	mg/Kg	01/30/15	LK	SW6010	
Percent Solid	92			%	01/29/15	I	SW846	
Corrosivity	Negative			Pos/Neg	01/29/15	DH/KDB	SW846	1
Flash Point	>200	200		degree F	01/30/15	Y	SW1010	
Chromium, Hexavalent	< 0.43	0.43	0.43	mg/Kg	01/31/15 08:50	KDB	SW3060/7196	
Ignitability	Passed	140		degree F	01/30/15	Y	SW846	1
pH - Soil	11.09	0.10		pH Units	01/29/15 19:40	DH/KDB	4500-H B/9045	1
Reactivity Cyanide	< 5.4	5.4	0.027	mg/Kg	01/30/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/02/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/02/15	EG	SW 846-7.3	1
Redox Potential	12	1.0		mV	01/29/15	DH/KDB	SM2580B	1
Total Cyanide	< 0.54	0.54	0.27	mg/Kg	01/29/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				01/29/15	BC/H	SW3545	
Soil Extraction for Pesticide	Completed				01/29/15	BC	SW3545	
Soil Extraction for SVOA	Completed				01/29/15	BJ/VH	SW3545	
Mercury Digestion	Completed				01/30/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				01/29/15	/DW	SW8151	
TCLP Digestion Mercury	Completed				01/30/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				01/30/15	FI/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				01/29/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				01/29/15	I	1311	
TCLP Pesticides Extraction	Completed				01/30/15	BT	SW3510	
TCLP Semi-Volatile Extraction	Completed				01/30/15	BT	SW3510	
TCLP Extraction Volatiles	Completed				01/29/15	Y	EPA 1311	
Total Metals Digest	Completed				01/29/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				01/29/15	CC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	45	45	ug/Kg	02/01/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	45	45	ug/Kg	02/01/15	BB	SW8151	
2,4-D	ND	45	45	ug/Kg	02/01/15	BB	SW8151	
2,4-DB	ND	450	450	ug/Kg	02/01/15	BB	SW8151	
Dalapon	ND	45	45	ug/Kg	02/01/15	BB	SW8151	
Dicamba	ND	89	89	ug/Kg	02/01/15	BB	SW8151	
Dichloroprop	ND	45	45	ug/Kg	02/01/15	BB	SW8151	
Dinoseb	ND	89	89	ug/Kg	02/01/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	50			%	02/01/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	72	72	ug/Kg	01/30/15	AW	SW 8082	
PCB-1221	ND	72	72	ug/Kg	01/30/15	AW	SW 8082	
PCB-1232	ND	72	72	ug/Kg	01/30/15	AW	SW 8082	
PCB-1242	ND	72	72	ug/Kg	01/30/15	AW	SW 8082	
PCB-1248	ND	72	72	ug/Kg	01/30/15	AW	SW 8082	
PCB-1254	ND	72	72	ug/Kg	01/30/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 41 COMP

Phoenix I.D.: BH68760

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	72	72	ug/Kg	01/30/15	AW	SW 8082
PCB-1262	ND	72	72	ug/Kg	01/30/15	AW	SW 8082
PCB-1268	ND	72	72	ug/Kg	01/30/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	71			%	01/30/15	AW	30 - 150 %
% TCMX	80			%	01/30/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.2	2.2	ug/Kg	01/30/15	CE	SW8081
4,4' -DDE	ND	2.2	2.2	ug/Kg	01/30/15	CE	SW8081
4,4' -DDT	ND	2.2	2.2	ug/Kg	01/30/15	CE	SW8081
a-BHC	ND	7.2	7.2	ug/Kg	01/30/15	CE	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	01/30/15	CE	SW8081
Aldrin	ND	3.6	3.6	ug/Kg	01/30/15	CE	SW8081
b-BHC	ND	7.2	7.2	ug/Kg	01/30/15	CE	SW8081
Chlordane	ND	36	36	ug/Kg	01/30/15	CE	SW8081
d-BHC	ND	7.2	7.2	ug/Kg	01/30/15	CE	SW8081
Dieldrin	ND	3.6	3.6	ug/Kg	01/30/15	CE	SW8081
Endosulfan I	ND	7.2	7.2	ug/Kg	01/30/15	CE	SW8081
Endosulfan II	ND	7.2	7.2	ug/Kg	01/30/15	CE	SW8081
Endosulfan sulfate	ND	7.2	7.2	ug/Kg	01/30/15	CE	SW8081
Endrin	ND	7.2	7.2	ug/Kg	01/30/15	CE	SW8081
Endrin aldehyde	ND	7.2	7.2	ug/Kg	01/30/15	CE	SW8081
Endrin ketone	ND	7.2	7.2	ug/Kg	01/30/15	CE	SW8081
g-BHC	ND	1.4	1.4	ug/Kg	01/30/15	CE	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	01/30/15	CE	SW8081
Heptachlor	ND	7.2	7.2	ug/Kg	01/30/15	CE	SW8081
Heptachlor epoxide	ND	7.2	7.2	ug/Kg	01/30/15	CE	SW8081
Methoxychlor	ND	36	36	ug/Kg	01/30/15	CE	SW8081
Toxaphene	ND	140	140	ug/Kg	01/30/15	CE	SW8081
QA/QC Surrogates							
% DCBP	82			%	01/30/15	CE	30 - 150 %
% TCMX	89			%	01/30/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/03/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/03/15	BB	SW8151
QA/QC Surrogates							
% DCAA	66			%	02/03/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	01/31/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	01/31/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	01/31/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	01/31/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	01/31/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	01/31/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	01/31/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	01/31/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	01/31/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	01/31/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	01/31/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	01/31/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	01/31/15	CE	SW 8081
Endrin	ND	1.0		ug/L	01/31/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	01/31/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	01/31/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	01/31/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	01/31/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	01/31/15	CE	SW 8081
Toxaphene	ND	20		ug/L	01/31/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	90			%	01/31/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	70			%	01/31/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	53	53	mg/Kg	01/30/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	87			%	01/30/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	01/30/15	MH	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	01/30/15	MH	SW8260
Benzene	ND	25	25	ug/L	01/30/15	MH	SW8260
Carbon tetrachloride	ND	25	25	ug/L	01/30/15	MH	SW8260
Chlorobenzene	ND	25	25	ug/L	01/30/15	MH	SW8260
Chloroform	ND	25	25	ug/L	01/30/15	MH	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	01/30/15	MH	SW8260
Tetrachloroethene	ND	25	25	ug/L	01/30/15	MH	SW8260
Trichloroethene	ND	25	25	ug/L	01/30/15	MH	SW8260
Vinyl chloride	ND	25	25	ug/L	01/30/15	MH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102			%	01/30/15	MH	70 - 130 %
% Bromofluorobenzene	96			%	01/30/15	MH	70 - 130 %
% Dibromofluoromethane	99			%	01/30/15	MH	70 - 130 %
% Toluene-d8	100			%	01/30/15	MH	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	1200	540	ug/Kg	01/30/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	1200	620	ug/Kg	01/30/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	1800	1800	ug/Kg	01/30/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	1200	820	ug/Kg	01/30/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	1200	960	ug/Kg	01/30/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	700	560	ug/Kg	01/30/15	DD	SW 8270
2,4-Dichlorophenol	ND	700	620	ug/Kg	01/30/15	DD	SW 8270
2,4-Dimethylphenol	ND	1200	440	ug/Kg	01/30/15	DD	SW 8270
2,4-Dinitrophenol	ND	1200	1200	ug/Kg	01/30/15	DD	SW 8270
2,4-Dinitrotoluene	ND	700	690	ug/Kg	01/30/15	DD	SW 8270
2,6-Dinitrotoluene	ND	700	560	ug/Kg	01/30/15	DD	SW 8270
2-Chloronaphthalene	ND	1200	500	ug/Kg	01/30/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 41 COMP

Phoenix I.D.: BH68760

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		1200	500	ug/Kg	01/30/15	DD	SW 8270	
2-Methylnaphthalene	ND		1200	520	ug/Kg	01/30/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		1200	830	ug/Kg	01/30/15	DD	SW 8270	
2-Nitroaniline	ND		8800	1800	ug/Kg	01/30/15	DD	SW 8270	
2-Nitrophenol	ND		1200	1100	ug/Kg	01/30/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		1200	690	ug/Kg	01/30/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		700	830	ug/Kg	01/30/15	DD	SW 8270	
3-Nitroaniline	ND		8800	3800	ug/Kg	01/30/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		1200	1900	ug/Kg	01/30/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		1200	520	ug/Kg	01/30/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		1200	620	ug/Kg	01/30/15	DD	SW 8270	
4-Chloroaniline	ND		3500	820	ug/Kg	01/30/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		1200	590	ug/Kg	01/30/15	DD	SW 8270	
4-Nitroaniline	ND		8800	590	ug/Kg	01/30/15	DD	SW 8270	
4-Nitrophenol	ND		8800	790	ug/Kg	01/30/15	DD	SW 8270	
Acenaphthene	ND		1200	530	ug/Kg	01/30/15	DD	SW 8270	
Acenaphthylene	ND		700	490	ug/Kg	01/30/15	DD	SW 8270	
Acetophenone	ND		1200	550	ug/Kg	01/30/15	DD	SW 8270	
Anthracene	810	J	1200	580	ug/Kg	01/30/15	DD	SW 8270	
Atrazine	ND		700	790	ug/Kg	01/30/15	DD	SW 8270	
Benz(a)anthracene	5000		1200	590	ug/Kg	01/30/15	DD	SW 8270	
Benzaldehyde	ND		1200	520	ug/Kg	01/30/15	DD	SW 8270	
Benzidine	ND		2600	2600	ug/Kg	01/30/15	DD	SW 8270	
Benzo(a)pyrene	4300		700	570	ug/Kg	01/30/15	DD	SW 8270	
Benzo(b)fluoranthene	5800		1200	600	ug/Kg	01/30/15	DD	SW 8270	
Benzo(ghi)perylene	2000		1200	570	ug/Kg	01/30/15	DD	SW 8270	
Benzo(k)fluoranthene	2000		1200	580	ug/Kg	01/30/15	DD	SW 8270	
Benzyl Alcohol	ND		1800	1800	ug/Kg	01/30/15	DD	SW 8270	
Benzyl butyl phthalate	ND		1200	450	ug/Kg	01/30/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		1200	490	ug/Kg	01/30/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		700	470	ug/Kg	01/30/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		1200	490	ug/Kg	01/30/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		1200	510	ug/Kg	01/30/15	DD	SW 8270	
Caprolactam	ND		1200	3100	ug/Kg	01/30/15	DD	SW 8270	
Carbazole	ND		8800	1300	ug/Kg	01/30/15	DD	SW 8270	
Chrysene	4800		1200	590	ug/Kg	01/30/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		700	570	ug/Kg	01/30/15	DD	SW 8270	
Dibenzofuran	ND		1200	510	ug/Kg	01/30/15	DD	SW 8270	
Diethyl phthalate	ND		1200	560	ug/Kg	01/30/15	DD	SW 8270	
Dimethylphthalate	ND		1200	550	ug/Kg	01/30/15	DD	SW 8270	
Di-n-butylphthalate	ND		1200	470	ug/Kg	01/30/15	DD	SW 8270	
Di-n-octylphthalate	ND		1200	450	ug/Kg	01/30/15	DD	SW 8270	
Fluoranthene	7200		1200	570	ug/Kg	01/30/15	DD	SW 8270	
Fluorene	ND		1200	580	ug/Kg	01/30/15	DD	SW 8270	
Hexachlorobenzene	ND		700	510	ug/Kg	01/30/15	DD	SW 8270	
Hexachlorobutadiene	ND		1200	640	ug/Kg	01/30/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		1200	540	ug/Kg	01/30/15	DD	SW 8270	
Hexachloroethane	ND		700	530	ug/Kg	01/30/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	2300		1200	580	ug/Kg	01/30/15	DD	SW 8270	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND	700	490	ug/Kg	01/30/15	DD	SW 8270	
Naphthalene	ND	1200	510	ug/Kg	01/30/15	DD	SW 8270	
Nitrobenzene	ND	700	620	ug/Kg	01/30/15	DD	SW 8270	
N-Nitrosodimethylamine	ND	1200	500	ug/Kg	01/30/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	700	570	ug/Kg	01/30/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND	700	680	ug/Kg	01/30/15	DD	SW 8270	
Pentachlorophenol	ND	1200	660	ug/Kg	01/30/15	DD	SW 8270	
Phenanthrene	3000	700	500	ug/Kg	01/30/15	DD	SW 8270	
Phenol	ND	1200	560	ug/Kg	01/30/15	DD	SW 8270	
Pyrene	6200	1200	610	ug/Kg	01/30/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	89			%	01/30/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	80			%	01/30/15	DD	30 - 130 %	
% 2-Fluorophenol	79			%	01/30/15	DD	30 - 130 %	
% Nitrobenzene-d5	82			%	01/30/15	DD	30 - 130 %	
% Phenol-d5	84			%	01/30/15	DD	30 - 130 %	
% Terphenyl-d14	60			%	01/30/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral								
1,4-Dichlorobenzene	ND	83	83	ug/L	02/02/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND	83	83	ug/L	02/02/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND	83	83	ug/L	02/02/15	DD	SW 8270	
2,4-Dinitrotoluene	ND	83	83	ug/L	02/02/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	83	83	ug/L	02/02/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND	83	83	ug/L	02/02/15	DD	SW 8270	
Hexachlorobenzene	ND	83	83	ug/L	02/02/15	DD	SW 8270	
Hexachlorobutadiene	ND	83	83	ug/L	02/02/15	DD	SW 8270	
Hexachloroethane	ND	83	83	ug/L	02/02/15	DD	SW 8270	
Nitrobenzene	ND	83	83	ug/L	02/02/15	DD	SW 8270	
Pentachlorophenol	ND	83	83	ug/L	02/02/15	DD	SW 8270	
Pyridine	ND	83	83	ug/L	02/02/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	86			%	02/02/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	61			%	02/02/15	DD	30 - 130 %	
% 2-Fluorophenol	47			%	02/02/15	DD	15 - 110 %	
% Nitrobenzene-d5	65			%	02/02/15	DD	30 - 130 %	
% Phenol-d5	45			%	02/02/15	DD	15 - 110 %	
% Terphenyl-d14	73			%	02/02/15	DD	30 - 130 %	
Aniline	ND	330		ug/Kg	01/30/15	DD	SW8270	
Benzoic Acid	ND	330		ug/Kg	01/30/15	DD	SW8270	1
Parathion	ND	350	140	ug/Kg	01/30/15	DD	SW8270	1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

Semi-Volatile Comment:
Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

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 05, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 05, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	01/29/15	9:30
Location Code:	IMPACT	Received by:	SW	01/29/15	17:06
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH68753
Phoenix ID: BH68761

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 36 2-3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	01/29/15	I	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	250	49	ug/Kg	01/29/15	HM	SW8260
1,3,5-Trimethylbenzene	ND	250	49	ug/Kg	01/29/15	HM	SW8260
1,3-Dichlorobenzene	ND	250	49	ug/Kg	01/29/15	HM	SW8260
Naphthalene	ND	250	66	ug/Kg	01/29/15	HM	SW8260
n-Butylbenzene	ND	250	49	ug/Kg	01/29/15	HM	SW8260
n-Propylbenzene	ND	250	49	ug/Kg	01/29/15	HM	SW8260
p-Isopropyltoluene	ND	250	49	ug/Kg	01/29/15	HM	SW8260
sec-Butylbenzene	ND	250	49	ug/Kg	01/29/15	HM	SW8260
tert-Butylbenzene	ND	250	49	ug/Kg	01/29/15	HM	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99			%	01/29/15	HM	SW8260
% Bromofluorobenzene	80			%	01/30/15	HM	SW8260
% Dibromofluoromethane	95			%	01/30/15	HM	SW8260
% Toluene-d8	96			%	01/30/15	HM	SW8260
1,4-dioxane							
1,4-dioxane	ND	47	47	ug/kg	01/30/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	2.4	0.47	ug/Kg	01/30/15	JLI	SW8260
1,1,1-Trichloroethane	ND	2.4	0.47	ug/Kg	01/30/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	2.4	0.33	ug/Kg	01/30/15	JLI	SW8260
1,1,2-Trichloroethane	ND	2.4	0.23	ug/Kg	01/30/15	JLI	SW8260
1,1-Dichloroethane	ND	2.4	0.47	ug/Kg	01/30/15	JLI	SW8260
1,1-Dichloroethene	ND	2.4	0.51	ug/Kg	01/30/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 36 2-3

Phoenix I.D.: BH68761

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		250	33	ug/Kg	01/29/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		250	29	ug/Kg	01/29/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		250	66	ug/Kg	01/29/15	JLI	SW8260
1,2-Dibromoethane	ND		2.4	0.63	ug/Kg	01/30/15	JLI	SW8260
1,2-Dichlorobenzene	ND		250	27	ug/Kg	01/29/15	JLI	SW8260
1,2-Dichloroethane	ND		2.4	0.21	ug/Kg	01/30/15	JLI	SW8260
1,2-Dichloropropane	ND		2.4	0.33	ug/Kg	01/30/15	JLI	SW8260
1,3-Dichlorobenzene	ND		250	37	ug/Kg	01/29/15	JLI	SW8260
1,4-Dichlorobenzene	ND		250	39	ug/Kg	01/29/15	JLI	SW8260
2-Hexanone	ND		12	1.1	ug/Kg	01/30/15	JLI	SW8260
4-Methyl-2-pentanone	ND		12	0.56	ug/Kg	01/30/15	JLI	SW8260
Acetone	2.6	JS	24	2.3	ug/Kg	01/30/15	JLI	SW8260
Acrolein	ND		12	1.9	ug/Kg	01/30/15	JLI	SW8260
Acrylonitrile	ND		4.7	1.3	ug/Kg	01/30/15	JLI	SW8260
Benzene	66	J	250	49	ug/Kg	01/29/15	JLI	SW8260
Bromochloromethane	ND		2.4	0.34	ug/Kg	01/30/15	JLI	SW8260
Bromodichloromethane	ND		2.4	0.29	ug/Kg	01/30/15	JLI	SW8260
Bromoform	ND		2.4	0.33	ug/Kg	01/30/15	JLI	SW8260
Bromomethane	ND		2.4	1.8	ug/Kg	01/30/15	JLI	SW8260
Carbon Disulfide	ND		2.4	0.38	ug/Kg	01/30/15	JLI	SW8260
Carbon tetrachloride	ND		2.4	0.27	ug/Kg	01/30/15	JLI	SW8260
Chlorobenzene	ND		2.4	0.35	ug/Kg	01/30/15	JLI	SW8260
Chloroethane	ND		2.4	0.55	ug/Kg	01/30/15	JLI	SW8260
Chloroform	ND		2.4	0.43	ug/Kg	01/30/15	JLI	SW8260
Chloromethane	ND		2.4	1.2	ug/Kg	01/30/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		2.4	0.51	ug/Kg	01/30/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		2.4	0.25	ug/Kg	01/30/15	JLI	SW8260
Cyclohexane	ND		2.4	2.4	ug/Kg	01/30/15	JLI	SW8260
Dibromochloromethane	ND		2.4	0.26	ug/Kg	01/30/15	JLI	SW8260
Dichlorodifluoromethane	ND		2.4	0.63	ug/Kg	01/30/15	JLI	SW8260
Ethylbenzene	ND		2.4	0.43	ug/Kg	01/30/15	JLI	SW8260
Isopropylbenzene	ND		250	48	ug/Kg	01/29/15	JLI	SW8260
m&p-Xylene	140	J	250	97	ug/Kg	01/29/15	JLI	SW8260
Methyl ethyl ketone	ND		14	2.0	ug/Kg	01/30/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		4.7	0.65	ug/Kg	01/30/15	JLI	SW8260
Methylacetate	ND		2.4	2.4	ug/Kg	01/30/15	JLI	SW8260
Methylcyclohexane	ND		2.4	2.4	ug/Kg	01/30/15	JLI	SW8260
Methylene chloride	ND		2.4	0.39	ug/Kg	01/30/15	JLI	SW8260
o-Xylene	ND		2.4	0.90	ug/Kg	01/30/15	JLI	SW8260
Styrene	ND		2.4	0.68	ug/Kg	01/30/15	JLI	SW8260
tert-butyl alcohol	ND		47	47	ug/Kg	01/30/15	JLI	SW8260
Tetrachloroethene	ND		2.4	0.49	ug/Kg	01/30/15	JLI	SW8260
Toluene	140	J	250	39	ug/Kg	01/29/15	JLI	SW8260
Total Xylenes	ND		250	250	ug/Kg	01/29/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		2.4	0.47	ug/Kg	01/30/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		2.4	0.48	ug/Kg	01/30/15	JLI	SW8260
Trichloroethene	ND		2.4	0.50	ug/Kg	01/30/15	JLI	SW8260
Trichlorofluoromethane	ND		2.4	0.52	ug/Kg	01/30/15	JLI	SW8260
Trichlorotrifluoroethane	ND		2.4	0.37	ug/Kg	01/30/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 36 2-3

Phoenix I.D.: BH68761

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	2.4	0.76	ug/Kg	01/30/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	01/29/15	JLI	70 - 130 %	
% Bromofluorobenzene	97			%	01/29/15	JLI	70 - 130 %	
% Dibromofluoromethane	96			%	01/30/15	JLI	70 - 130 %	
% Toluene-d8	96			%	01/30/15	JLI	70 - 130 %	
Vinyl Acetate	ND	24	24	ug/Kg	01/30/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
February 05, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 05, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	01/29/15	9:30
Location Code:	IMPACT	Received by:	SW	01/29/15	17:06
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH68753
Phoenix ID: BH68762

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 36 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.37	0.37	0.37	mg/Kg	01/30/15	LK	SW6010
Aluminum	2900	56	7.5	mg/Kg	01/30/15	LK	SW6010
Arsenic	4.0	0.7	0.75	mg/Kg	01/30/15	LK	SW6010
Barium	82.5	0.37	0.37	mg/Kg	01/30/15	LK	SW6010
Beryllium	< 0.30	0.30	0.15	mg/Kg	01/30/15	LK	SW6010
Calcium	3780	5.6	3.4	mg/Kg	01/30/15	LK	SW6010
Cadmium	< 0.37	0.37	0.15	mg/Kg	01/30/15	LK	SW6010
Cobalt	4.14	0.37	0.37	mg/Kg	01/30/15	LK	SW6010
Chromium	9.27	0.37	0.37	mg/Kg	01/30/15	LK	SW6010
Copper	23.2	0.37	0.37	mg/kg	01/30/15	LK	SW6010
Iron	7140	5.6	3.7	mg/Kg	01/30/15	LK	SW6010
Mercury	0.10	0.03	0.02	mg/Kg	01/30/15	RS	SW-7471
Potassium	449	5.6	2.9	mg/Kg	01/30/15	LK	SW6010
Magnesium	1970	5.6	3.7	mg/Kg	01/30/15	LK	SW6010
Manganese	114	0.37	0.37	mg/Kg	01/30/15	LK	SW6010
Sodium	233	5.6	3.2	mg/Kg	01/30/15	LK	SW6010
Nickel	9.85	0.37	0.37	mg/Kg	01/30/15	LK	SW6010
Lead	188	3.7	3.7	mg/Kg	01/30/15	LK	SW6010
Antimony	< 3.7	3.7	1.9	mg/Kg	01/30/15	LK	SW6010
Selenium	< 1.5	1.5	1.3	mg/Kg	01/30/15	LK	SW6010
TCLP Silver	< 0.10	0.10	0.010	mg/L	01/30/15	LK	SW6010
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	01/30/15	LK	SW6010
TCLP Barium	1.02	0.10	0.010	mg/L	01/30/15	LK	SW6010
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	01/30/15	LK	SW6010
TCLP Chromium	< 0.10	0.10	0.010	mg/L	01/30/15	LK	SW6010
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	01/30/15	RS	SW7470
TCLP Lead	0.50	0.10	0.010	mg/L	01/30/15	LK	SW6010
TCLP Selenium	< 0.10	0.10	0.10	mg/L	01/30/15	LK	SW6010

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 36 COMP

Phoenix I.D.: BH68762

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.4	3.4	1.5	mg/Kg	01/30/15	LK	SW6010	
TCLP Metals Digestion	Completed				01/30/15	I/I	SW3005	
Trivalent Chromium	9.27	0.50		mg/kg	01/31/15	KDB	Calculation	
Vanadium	12.6	0.37	0.37	mg/Kg	01/30/15	LK	SW6010	
Zinc	102	0.37	0.37	mg/Kg	01/30/15	LK	SW6010	
Percent Solid	88			%	01/29/15	I	SW846	
Corrosivity	Negative			Pos/Neg	01/29/15	DH/KDB	SW846	1
Flash Point	>200	200		degree F	01/30/15	I	SW1010	
Chromium, Hexavalent	< 0.45	0.45	0.45	mg/Kg	01/31/15 08:50	KDB	SW3060/7196	
Ignitability	Passed	140		degree F	01/30/15	I	SW846	1
pH - Soil	10.52	0.10		pH Units	01/29/15 19:40	DH/KDB	4500-H B/9045	1
Reactivity Cyanide	< 5.5	5.5	0.028	mg/Kg	01/30/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/02/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/02/15	EG	SW 846-7.3	1
Redox Potential	170	1.0		mV	01/29/15	DH/KDB	SM2580B	1
Total Cyanide	< 0.57	0.57	0.28	mg/Kg	01/29/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				01/29/15	BC/H	SW3545	
Soil Extraction for Pesticide	Completed				01/29/15	BC	SW3545	
Soil Extraction for SVOA	Completed				01/29/15	BJ/VH	SW3545	
Mercury Digestion	Completed				01/30/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				01/29/15	/DW	SW8151	
TCLP Digestion Mercury	Completed				01/30/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				01/30/15	FI/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				01/29/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				01/29/15	I	1311	
TCLP Pesticides Extraction	Completed				01/30/15	BT	SW3510	
TCLP Semi-Volatile Extraction	Completed				01/30/15	BT	SW3510	
TCLP Extraction Volatiles	Completed				01/29/15	Y	EPA 1311	
Total Metals Digest	Completed				01/29/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				01/29/15	JJ/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	47	47	ug/Kg	02/01/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	47	47	ug/Kg	02/01/15	BB	SW8151	
2,4-D	ND	47	47	ug/Kg	02/01/15	BB	SW8151	
2,4-DB	ND	470	470	ug/Kg	02/01/15	BB	SW8151	
Dalapon	ND	47	47	ug/Kg	02/01/15	BB	SW8151	
Dicamba	ND	94	94	ug/Kg	02/01/15	BB	SW8151	
Dichloroprop	ND	47	47	ug/Kg	02/01/15	BB	SW8151	
Dinoseb	ND	94	94	ug/Kg	02/01/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	63			%	02/01/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	75	75	ug/Kg	01/30/15	AW	SW 8082	
PCB-1221	ND	75	75	ug/Kg	01/30/15	AW	SW 8082	
PCB-1232	ND	75	75	ug/Kg	01/30/15	AW	SW 8082	
PCB-1242	ND	75	75	ug/Kg	01/30/15	AW	SW 8082	
PCB-1248	ND	75	75	ug/Kg	01/30/15	AW	SW 8082	
PCB-1254	ND	75	75	ug/Kg	01/30/15	AW	SW 8082	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	75	75	ug/Kg	01/30/15	AW	SW 8082
PCB-1262	ND	75	75	ug/Kg	01/30/15	AW	SW 8082
PCB-1268	ND	75	75	ug/Kg	01/30/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	68			%	01/30/15	AW	30 - 150 %
% TCMX	73			%	01/30/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.2	2.2	ug/Kg	01/30/15	CE	SW8081
4,4' -DDE	ND	2.2	2.2	ug/Kg	01/30/15	CE	SW8081
4,4' -DDT	ND	2.2	2.2	ug/Kg	01/30/15	CE	SW8081
a-BHC	ND	7.5	7.5	ug/Kg	01/30/15	CE	SW8081
a-Chlordane	ND	3.7	3.7	ug/Kg	01/30/15	CE	SW8081
Aldrin	ND	3.7	3.7	ug/Kg	01/30/15	CE	SW8081
b-BHC	ND	7.5	7.5	ug/Kg	01/30/15	CE	SW8081
Chlordane	ND	37	37	ug/Kg	01/30/15	CE	SW8081
d-BHC	ND	7.5	7.5	ug/Kg	01/30/15	CE	SW8081
Dieldrin	ND	3.7	3.7	ug/Kg	01/30/15	CE	SW8081
Endosulfan I	ND	7.5	7.5	ug/Kg	01/30/15	CE	SW8081
Endosulfan II	ND	7.5	7.5	ug/Kg	01/30/15	CE	SW8081
Endosulfan sulfate	ND	7.5	7.5	ug/Kg	01/30/15	CE	SW8081
Endrin	ND	7.5	7.5	ug/Kg	01/30/15	CE	SW8081
Endrin aldehyde	ND	7.5	7.5	ug/Kg	01/30/15	CE	SW8081
Endrin ketone	ND	7.5	7.5	ug/Kg	01/30/15	CE	SW8081
g-BHC	ND	1.5	1.5	ug/Kg	01/30/15	CE	SW8081
g-Chlordane	ND	3.7	3.7	ug/Kg	01/30/15	CE	SW8081
Heptachlor	ND	7.5	7.5	ug/Kg	01/30/15	CE	SW8081
Heptachlor epoxide	ND	7.5	7.5	ug/Kg	01/30/15	CE	SW8081
Methoxychlor	ND	37	37	ug/Kg	01/30/15	CE	SW8081
Toxaphene	ND	150	150	ug/Kg	01/30/15	CE	SW8081
QA/QC Surrogates							
% DCBP	81			%	01/30/15	CE	30 - 150 %
% TCMX	79			%	01/30/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/03/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/03/15	BB	SW8151
QA/QC Surrogates							
% DCAA	51			%	02/03/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	01/31/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	01/31/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	01/31/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	01/31/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	01/31/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	01/31/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	01/31/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	01/31/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	01/31/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	01/31/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	01/31/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	01/31/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	01/31/15	CE	SW 8081
Endrin	ND	1.0		ug/L	01/31/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	01/31/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	01/31/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	01/31/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	01/31/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	01/31/15	CE	SW 8081
Toxaphene	ND	20		ug/L	01/31/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	89			%	01/31/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	57			%	01/31/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	56	56	mg/Kg	01/30/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	83			%	01/30/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	01/30/15	MH	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	01/30/15	MH	SW8260
Benzene	ND	25	25	ug/L	01/30/15	MH	SW8260
Carbon tetrachloride	ND	25	25	ug/L	01/30/15	MH	SW8260
Chlorobenzene	ND	25	25	ug/L	01/30/15	MH	SW8260
Chloroform	ND	25	25	ug/L	01/30/15	MH	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	01/30/15	MH	SW8260
Tetrachloroethene	ND	25	25	ug/L	01/30/15	MH	SW8260
Trichloroethene	ND	25	25	ug/L	01/30/15	MH	SW8260
Vinyl chloride	ND	25	25	ug/L	01/30/15	MH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100			%	01/30/15	MH	70 - 130 %
% Bromofluorobenzene	97			%	01/30/15	MH	70 - 130 %
% Dibromofluoromethane	99			%	01/30/15	MH	70 - 130 %
% Toluene-d8	101			%	01/30/15	MH	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	260	120	ug/Kg	01/30/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	01/30/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	380	380	ug/Kg	01/30/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	260	180	ug/Kg	01/30/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	210	ug/Kg	01/30/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	01/30/15	DD	SW 8270
2,4-Dichlorophenol	ND	150	130	ug/Kg	01/30/15	DD	SW 8270
2,4-Dimethylphenol	ND	260	94	ug/Kg	01/30/15	DD	SW 8270
2,4-Dinitrophenol	ND	260	260	ug/Kg	01/30/15	DD	SW 8270
2,4-Dinitrotoluene	ND	150	150	ug/Kg	01/30/15	DD	SW 8270
2,6-Dinitrotoluene	ND	150	120	ug/Kg	01/30/15	DD	SW 8270
2-Chloronaphthalene	ND	260	110	ug/Kg	01/30/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 36 COMP

Phoenix I.D.: BH68762

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		260	110	ug/Kg	01/30/15	DD	SW 8270	
2-Methylnaphthalene	ND		260	110	ug/Kg	01/30/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		260	180	ug/Kg	01/30/15	DD	SW 8270	
2-Nitroaniline	ND		1900	380	ug/Kg	01/30/15	DD	SW 8270	
2-Nitrophenol	ND		260	240	ug/Kg	01/30/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		260	150	ug/Kg	01/30/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		150	180	ug/Kg	01/30/15	DD	SW 8270	
3-Nitroaniline	ND		1900	820	ug/Kg	01/30/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		260	410	ug/Kg	01/30/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		260	110	ug/Kg	01/30/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		260	130	ug/Kg	01/30/15	DD	SW 8270	
4-Chloroaniline	ND		760	180	ug/Kg	01/30/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		260	130	ug/Kg	01/30/15	DD	SW 8270	
4-Nitroaniline	ND		1900	130	ug/Kg	01/30/15	DD	SW 8270	
4-Nitrophenol	ND		1900	170	ug/Kg	01/30/15	DD	SW 8270	
Acenaphthene	ND		260	110	ug/Kg	01/30/15	DD	SW 8270	
Acenaphthylene	ND		150	110	ug/Kg	01/30/15	DD	SW 8270	
Acetophenone	ND		260	120	ug/Kg	01/30/15	DD	SW 8270	
Anthracene	ND		260	120	ug/Kg	01/30/15	DD	SW 8270	
Atrazine	ND		150	170	ug/Kg	01/30/15	DD	SW 8270	
Benz(a)anthracene	490		260	130	ug/Kg	01/30/15	DD	SW 8270	
Benzaldehyde	ND		260	110	ug/Kg	01/30/15	DD	SW 8270	
Benzidine	ND		570	570	ug/Kg	01/30/15	DD	SW 8270	
Benzo(a)pyrene	530		150	120	ug/Kg	01/30/15	DD	SW 8270	
Benzo(b)fluoranthene	680		260	130	ug/Kg	01/30/15	DD	SW 8270	
Benzo(ghi)perylene	390		260	120	ug/Kg	01/30/15	DD	SW 8270	
Benzo(k)fluoranthene	230	J	260	130	ug/Kg	01/30/15	DD	SW 8270	
Benzyl Alcohol	ND		380	380	ug/Kg	01/30/15	DD	SW 8270	
Benzyl butyl phthalate	ND		260	97	ug/Kg	01/30/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		260	100	ug/Kg	01/30/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		150	100	ug/Kg	01/30/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		260	100	ug/Kg	01/30/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		260	110	ug/Kg	01/30/15	DD	SW 8270	
Caprolactam	ND		260	680	ug/Kg	01/30/15	DD	SW 8270	
Carbazole	ND		1900	290	ug/Kg	01/30/15	DD	SW 8270	
Chrysene	550		260	130	ug/Kg	01/30/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		150	120	ug/Kg	01/30/15	DD	SW 8270	
Dibenzofuran	ND		260	110	ug/Kg	01/30/15	DD	SW 8270	
Diethyl phthalate	ND		260	120	ug/Kg	01/30/15	DD	SW 8270	
Dimethylphthalate	ND		260	120	ug/Kg	01/30/15	DD	SW 8270	
Di-n-butylphthalate	ND		260	100	ug/Kg	01/30/15	DD	SW 8270	
Di-n-octylphthalate	ND		260	97	ug/Kg	01/30/15	DD	SW 8270	
Fluoranthene	880		260	120	ug/Kg	01/30/15	DD	SW 8270	
Fluorene	ND		260	120	ug/Kg	01/30/15	DD	SW 8270	
Hexachlorobenzene	ND		150	110	ug/Kg	01/30/15	DD	SW 8270	
Hexachlorobutadiene	ND		260	140	ug/Kg	01/30/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		260	120	ug/Kg	01/30/15	DD	SW 8270	
Hexachloroethane	ND		150	110	ug/Kg	01/30/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	410		260	130	ug/Kg	01/30/15	DD	SW 8270	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND	150	110	ug/Kg	01/30/15	DD	SW 8270	
Naphthalene	ND	260	110	ug/Kg	01/30/15	DD	SW 8270	
Nitrobenzene	ND	150	130	ug/Kg	01/30/15	DD	SW 8270	
N-Nitrosodimethylamine	ND	260	110	ug/Kg	01/30/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	150	120	ug/Kg	01/30/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND	150	140	ug/Kg	01/30/15	DD	SW 8270	
Pentachlorophenol	ND	260	140	ug/Kg	01/30/15	DD	SW 8270	
Phenanthrene	730	150	110	ug/Kg	01/30/15	DD	SW 8270	
Phenol	ND	260	120	ug/Kg	01/30/15	DD	SW 8270	
Pyrene	750	260	130	ug/Kg	01/30/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	83			%	01/30/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	75			%	01/30/15	DD	30 - 130 %	
% 2-Fluorophenol	70			%	01/30/15	DD	30 - 130 %	
% Nitrobenzene-d5	79			%	01/30/15	DD	30 - 130 %	
% Phenol-d5	74			%	01/30/15	DD	30 - 130 %	
% Terphenyl-d14	58			%	01/30/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral								
1,4-Dichlorobenzene	ND	83	83	ug/L	02/02/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND	83	83	ug/L	02/02/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND	83	83	ug/L	02/02/15	DD	SW 8270	
2,4-Dinitrotoluene	ND	83	83	ug/L	02/02/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	83	83	ug/L	02/02/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND	83	83	ug/L	02/02/15	DD	SW 8270	
Hexachlorobenzene	ND	83	83	ug/L	02/02/15	DD	SW 8270	
Hexachlorobutadiene	ND	83	83	ug/L	02/02/15	DD	SW 8270	
Hexachloroethane	ND	83	83	ug/L	02/02/15	DD	SW 8270	
Nitrobenzene	ND	83	83	ug/L	02/02/15	DD	SW 8270	
Pentachlorophenol	ND	83	83	ug/L	02/02/15	DD	SW 8270	
Pyridine	ND	83	83	ug/L	02/02/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	83			%	02/02/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	63			%	02/02/15	DD	30 - 130 %	
% 2-Fluorophenol	51			%	02/02/15	DD	15 - 110 %	
% Nitrobenzene-d5	69			%	02/02/15	DD	30 - 130 %	
% Phenol-d5	48			%	02/02/15	DD	15 - 110 %	
% Terphenyl-d14	80			%	02/02/15	DD	30 - 130 %	
Aniline	ND	330		ug/Kg	01/30/15	DD	SW8270	
Benzoic Acid	ND	330		ug/Kg	01/30/15	DD	SW8270	1
Parathion	ND	380	150	ug/Kg	01/30/15	DD	SW8270	1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
February 05, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 05, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	01/29/15	10:30
Location Code:	IMPACT	Received by:	SW	01/29/15	17:06
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH68753
Phoenix ID: BH68763

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 33 3-4

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	01/29/15	I	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	2.1	0.41	ug/Kg	01/30/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	2.1	0.41	ug/Kg	01/30/15	JLI	SW8260
1,3-Dichlorobenzene	ND	2.1	0.41	ug/Kg	01/30/15	JLI	SW8260
Naphthalene	ND	2.1	0.55	ug/Kg	01/30/15	JLI	SW8260
n-Butylbenzene	ND	2.1	0.41	ug/Kg	01/30/15	JLI	SW8260
n-Propylbenzene	ND	2.1	0.41	ug/Kg	01/30/15	JLI	SW8260
p-Isopropyltoluene	ND	2.1	0.41	ug/Kg	01/30/15	JLI	SW8260
sec-Butylbenzene	ND	2.1	0.41	ug/Kg	01/30/15	JLI	SW8260
tert-Butylbenzene	ND	2.1	0.41	ug/Kg	01/30/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	105			%	01/30/15	JLI	SW8260
% Bromofluorobenzene	94			%	01/30/15	JLI	SW8260
% Dibromofluoromethane	99			%	01/30/15	JLI	SW8260
% Toluene-d8	102			%	01/30/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	41	41	ug/kg	01/30/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	2.1	0.41	ug/Kg	01/30/15	JLI	SW8260
1,1,1-Trichloroethane	ND	2.1	0.41	ug/Kg	01/30/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	2.1	0.29	ug/Kg	01/30/15	JLI	SW8260
1,1,2-Trichloroethane	ND	2.1	0.20	ug/Kg	01/30/15	JLI	SW8260
1,1-Dichloroethane	ND	2.1	0.41	ug/Kg	01/30/15	JLI	SW8260
1,1-Dichloroethene	ND	2.1	0.45	ug/Kg	01/30/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 33 3-4

Phoenix I.D.: BH68763

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND	2.1	0.27	ug/Kg	01/30/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND	2.1	0.24	ug/Kg	01/30/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	2.1	0.55	ug/Kg	01/30/15	JLI	SW8260
1,2-Dibromoethane	ND	2.1	0.55	ug/Kg	01/30/15	JLI	SW8260
1,2-Dichlorobenzene	ND	2.1	0.23	ug/Kg	01/30/15	JLI	SW8260
1,2-Dichloroethane	ND	2.1	0.18	ug/Kg	01/30/15	JLI	SW8260
1,2-Dichloropropane	ND	2.1	0.29	ug/Kg	01/30/15	JLI	SW8260
1,3-Dichlorobenzene	ND	2.1	0.30	ug/Kg	01/30/15	JLI	SW8260
1,4-Dichlorobenzene	ND	2.1	0.32	ug/Kg	01/30/15	JLI	SW8260
2-Hexanone	ND	10	0.92	ug/Kg	01/30/15	JLI	SW8260
4-Methyl-2-pentanone	ND	10	0.49	ug/Kg	01/30/15	JLI	SW8260
Acetone	ND	21	2.0	ug/Kg	01/30/15	JLI	SW8260
Acrolein	ND	10	1.6	ug/Kg	01/30/15	JLI	SW8260
Acrylonitrile	ND	4.1	1.2	ug/Kg	01/30/15	JLI	SW8260
Benzene	ND	2.1	0.41	ug/Kg	01/30/15	JLI	SW8260
Bromochloromethane	ND	2.1	0.30	ug/Kg	01/30/15	JLI	SW8260
Bromodichloromethane	ND	2.1	0.25	ug/Kg	01/30/15	JLI	SW8260
Bromoform	ND	2.1	0.29	ug/Kg	01/30/15	JLI	SW8260
Bromomethane	ND	2.1	1.6	ug/Kg	01/30/15	JLI	SW8260
Carbon Disulfide	ND	2.1	0.33	ug/Kg	01/30/15	JLI	SW8260
Carbon tetrachloride	ND	2.1	0.24	ug/Kg	01/30/15	JLI	SW8260
Chlorobenzene	ND	2.1	0.30	ug/Kg	01/30/15	JLI	SW8260
Chloroethane	ND	2.1	0.48	ug/Kg	01/30/15	JLI	SW8260
Chloroform	ND	2.1	0.37	ug/Kg	01/30/15	JLI	SW8260
Chloromethane	ND	2.1	1.1	ug/Kg	01/30/15	JLI	SW8260
cis-1,2-Dichloroethene	ND	2.1	0.45	ug/Kg	01/30/15	JLI	SW8260
cis-1,3-Dichloropropene	ND	2.1	0.22	ug/Kg	01/30/15	JLI	SW8260
Cyclohexane	ND	2.1	2.1	ug/Kg	01/30/15	JLI	SW8260
Dibromochloromethane	ND	2.1	0.23	ug/Kg	01/30/15	JLI	SW8260
Dichlorodifluoromethane	ND	2.1	0.55	ug/Kg	01/30/15	JLI	SW8260
Ethylbenzene	ND	2.1	0.37	ug/Kg	01/30/15	JLI	SW8260
Isopropylbenzene	ND	2.1	0.39	ug/Kg	01/30/15	JLI	SW8260
m&p-Xylene	ND	2.1	0.81	ug/Kg	01/30/15	JLI	SW8260
Methyl ethyl ketone	ND	12	1.8	ug/Kg	01/30/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	4.1	0.57	ug/Kg	01/30/15	JLI	SW8260
Methylacetate	ND	2.1	2.1	ug/Kg	01/30/15	JLI	SW8260
Methylcyclohexane	ND	2.1	2.1	ug/Kg	01/30/15	JLI	SW8260
Methylene chloride	ND	2.1	0.34	ug/Kg	01/30/15	JLI	SW8260
o-Xylene	ND	2.1	0.78	ug/Kg	01/30/15	JLI	SW8260
Styrene	ND	2.1	0.59	ug/Kg	01/30/15	JLI	SW8260
tert-butyl alcohol	ND	41	41	ug/Kg	01/30/15	JLI	SW8260
Tetrachloroethene	ND	2.1	0.43	ug/Kg	01/30/15	JLI	SW8260
Toluene	ND	2.1	0.32	ug/Kg	01/30/15	JLI	SW8260
Total Xylenes	ND	2.1	2.1	ug/Kg	01/30/15	JLI	SW8260
trans-1,2-Dichloroethene	ND	2.1	0.41	ug/Kg	01/30/15	JLI	SW8260
trans-1,3-Dichloropropene	ND	2.1	0.42	ug/Kg	01/30/15	JLI	SW8260
Trichloroethene	ND	2.1	0.43	ug/Kg	01/30/15	JLI	SW8260
Trichlorofluoromethane	ND	2.1	0.46	ug/Kg	01/30/15	JLI	SW8260
Trichlorotrifluoroethane	ND	2.1	0.32	ug/Kg	01/30/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 33 3-4

Phoenix I.D.: BH68763

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	2.1	0.66	ug/Kg	01/30/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	105			%	01/30/15	JLI	70 - 130 %	
% Bromofluorobenzene	91			%	01/30/15	JLI	70 - 130 %	
% Dibromofluoromethane	99			%	01/30/15	JLI	70 - 130 %	
% Toluene-d8	102			%	01/30/15	JLI	70 - 130 %	
Vinyl Acetate	ND	21	21	ug/Kg	01/30/15	JLI	SW8260TIC	1

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

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

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

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 05, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 05, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	01/29/15	10:30
Location Code:	IMPACT	Received by:	SW	01/29/15	17:06
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH68753
Phoenix ID: BH68764

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 33 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.38	0.38	0.38	mg/Kg	01/30/15	LK	SW6010	
Aluminum	1830	5.7	0.76	mg/Kg	01/30/15	LK	SW6010	
Arsenic	1.9	0.8	0.76	mg/Kg	01/30/15	LK	SW6010	
Barium	11.7	0.38	0.38	mg/Kg	01/30/15	LK	SW6010	
Beryllium	< 0.30	0.30	0.15	mg/Kg	01/30/15	LK	SW6010	
Calcium	3840	5.7	3.5	mg/Kg	01/30/15	LK	SW6010	
Cadmium	< 0.38	0.38	0.15	mg/Kg	01/30/15	LK	SW6010	
Cobalt	1.81	0.38	0.38	mg/Kg	01/30/15	LK	SW6010	
Chromium	8.39	0.38	0.38	mg/Kg	01/30/15	LK	SW6010	
Copper	6.59	0.38	0.38	mg/kg	01/30/15	LK	SW6010	
Iron	4800	5.7	3.8	mg/Kg	01/30/15	LK	SW6010	
Mercury	< 0.03	0.03	0.02	mg/Kg	01/30/15	RS	SW-7471	
Potassium	399	5.7	3.0	mg/Kg	01/30/15	LK	SW6010	
Magnesium	2070	5.7	3.8	mg/Kg	01/30/15	LK	SW6010	
Manganese	50.6	0.38	0.38	mg/Kg	01/30/15	LK	SW6010	
Sodium	302	5.7	3.3	mg/Kg	01/30/15	LK	SW6010	
Nickel	6.67	0.38	0.38	mg/Kg	01/30/15	LK	SW6010	
Lead	13.2	0.38	0.38	mg/Kg	01/30/15	LK	SW6010	
Antimony	< 3.8	3.8	1.9	mg/Kg	01/30/15	LK	SW6010	
Selenium	< 1.5	1.5	1.3	mg/Kg	01/30/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	01/30/15	LK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	01/30/15	LK	SW6010	
TCLP Barium	0.31	0.10	0.010	mg/L	01/30/15	LK	SW6010	B
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	01/30/15	LK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	01/30/15	LK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	01/30/15	RS	SW7470	
TCLP Lead	< 0.10	0.10	0.010	mg/L	01/30/15	LK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	01/30/15	LK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 33 COMP

Phoenix I.D.: BH68764

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.4	3.4	1.5	mg/Kg	01/30/15	LK	SW6010	
TCLP Metals Digestion	Completed				01/30/15	I/I	SW3005	
Trivalent Chromium	8.39	0.50		mg/kg	01/31/15	KDB	Calculation	
Vanadium	6.57	0.38	0.38	mg/Kg	01/30/15	LK	SW6010	
Zinc	16.0	0.38	0.38	mg/Kg	01/30/15	LK	SW6010	
Percent Solid	90			%	01/29/15	I	SW846	
Corrosivity	Negative			Pos/Neg	01/29/15	DH/KDB	SW846	1
Flash Point	>200	200		degree F	01/30/15	I	SW1010	
Chromium, Hexavalent	< 0.44	0.44	0.44	mg/Kg	01/31/15 08:50	KDB	SW3060/7196	
Ignitability	Passed	140		degree F	01/30/15	I	SW846	1
pH - Soil	10.26	0.10		pH Units	01/29/15 19:40	DH/KDB	4500-H B/9045	1
Reactivity Cyanide	< 5.4	5.4	0.027	mg/Kg	01/30/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/02/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/02/15	EG	SW 846-7.3	1
Redox Potential	130	1.0		mV	01/29/15	DH/KDB	SM2580B	1
Total Cyanide	< 0.51	0.51	0.25	mg/Kg	01/29/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				01/29/15	BC/H	SW3545	
Soil Extraction for Pesticide	Completed				01/29/15	BC	SW3545	
Soil Extraction for SVOA	Completed				01/29/15	BJ/VH	SW3545	
Mercury Digestion	Completed				01/30/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				01/29/15	/DW	SW8151	
TCLP Digestion Mercury	Completed				01/30/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				01/30/15	FI/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				01/29/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				01/29/15	I	1311	
TCLP Pesticides Extraction	Completed				01/30/15	BT	SW3510	
TCLP Semi-Volatile Extraction	Completed				01/30/15	BT	SW3510	
TCLP Extraction Volatiles	Completed				01/29/15	Y	EPA 1311	
Total Metals Digest	Completed				01/29/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				01/29/15	CC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	46	46	ug/Kg	02/01/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	46	46	ug/Kg	02/01/15	BB	SW8151	
2,4-D	ND	46	46	ug/Kg	02/01/15	BB	SW8151	
2,4-DB	ND	460	460	ug/Kg	02/01/15	BB	SW8151	
Dalapon	ND	46	46	ug/Kg	02/01/15	BB	SW8151	
Dicamba	ND	92	92	ug/Kg	02/01/15	BB	SW8151	
Dichloroprop	ND	46	46	ug/Kg	02/01/15	BB	SW8151	
Dinoseb	ND	92	92	ug/Kg	02/01/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	59			%	02/01/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	72	72	ug/Kg	01/30/15	AW	SW 8082	
PCB-1221	ND	72	72	ug/Kg	01/30/15	AW	SW 8082	
PCB-1232	ND	72	72	ug/Kg	01/30/15	AW	SW 8082	
PCB-1242	ND	72	72	ug/Kg	01/30/15	AW	SW 8082	
PCB-1248	ND	72	72	ug/Kg	01/30/15	AW	SW 8082	
PCB-1254	ND	72	72	ug/Kg	01/30/15	AW	SW 8082	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	72	72	ug/Kg	01/30/15	AW	SW 8082
PCB-1262	ND	72	72	ug/Kg	01/30/15	AW	SW 8082
PCB-1268	ND	72	72	ug/Kg	01/30/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	68			%	01/30/15	AW	30 - 150 %
% TCMX	84			%	01/30/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.2	2.2	ug/Kg	01/30/15	CE	SW8081
4,4' -DDE	ND	2.2	2.2	ug/Kg	01/30/15	CE	SW8081
4,4' -DDT	ND	2.2	2.2	ug/Kg	01/30/15	CE	SW8081
a-BHC	ND	7.2	7.2	ug/Kg	01/30/15	CE	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	01/30/15	CE	SW8081
Aldrin	ND	3.6	3.6	ug/Kg	01/30/15	CE	SW8081
b-BHC	ND	7.2	7.2	ug/Kg	01/30/15	CE	SW8081
Chlordane	ND	36	36	ug/Kg	01/30/15	CE	SW8081
d-BHC	ND	7.2	7.2	ug/Kg	01/30/15	CE	SW8081
Dieldrin	ND	3.6	3.6	ug/Kg	01/30/15	CE	SW8081
Endosulfan I	ND	7.2	7.2	ug/Kg	01/30/15	CE	SW8081
Endosulfan II	ND	7.2	7.2	ug/Kg	01/30/15	CE	SW8081
Endosulfan sulfate	ND	7.2	7.2	ug/Kg	01/30/15	CE	SW8081
Endrin	ND	7.2	7.2	ug/Kg	01/30/15	CE	SW8081
Endrin aldehyde	ND	7.2	7.2	ug/Kg	01/30/15	CE	SW8081
Endrin ketone	ND	7.2	7.2	ug/Kg	01/30/15	CE	SW8081
g-BHC	ND	1.4	1.4	ug/Kg	01/30/15	CE	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	01/30/15	CE	SW8081
Heptachlor	ND	7.2	7.2	ug/Kg	01/30/15	CE	SW8081
Heptachlor epoxide	ND	7.2	7.2	ug/Kg	01/30/15	CE	SW8081
Methoxychlor	ND	36	36	ug/Kg	01/30/15	CE	SW8081
Toxaphene	ND	140	140	ug/Kg	01/30/15	CE	SW8081
QA/QC Surrogates							
% DCBP	83			%	01/30/15	CE	30 - 150 %
% TCMX	86			%	01/30/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/03/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/03/15	BB	SW8151
QA/QC Surrogates							
% DCAA	75			%	02/03/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	01/31/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	01/31/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	01/31/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	01/31/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	01/31/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	01/31/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	01/31/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	01/31/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	01/31/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	01/31/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	01/31/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	01/31/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	01/31/15	CE	SW 8081
Endrin	ND	1.0		ug/L	01/31/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	01/31/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	01/31/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	01/31/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	01/31/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	01/31/15	CE	SW 8081
Toxaphene	ND	20		ug/L	01/31/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	95			%	01/31/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	83			%	01/31/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	54	54	mg/Kg	01/30/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	88			%	01/30/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	01/30/15	MH	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	01/30/15	MH	SW8260
Benzene	ND	25	25	ug/L	01/30/15	MH	SW8260
Carbon tetrachloride	ND	25	25	ug/L	01/30/15	MH	SW8260
Chlorobenzene	ND	25	25	ug/L	01/30/15	MH	SW8260
Chloroform	ND	25	25	ug/L	01/30/15	MH	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	01/30/15	MH	SW8260
Tetrachloroethene	ND	25	25	ug/L	01/30/15	MH	SW8260
Trichloroethene	ND	25	25	ug/L	01/30/15	MH	SW8260
Vinyl chloride	ND	25	25	ug/L	01/30/15	MH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101			%	01/30/15	MH	70 - 130 %
% Bromofluorobenzene	100			%	01/30/15	MH	70 - 130 %
% Dibromofluoromethane	99			%	01/30/15	MH	70 - 130 %
% Toluene-d8	100			%	01/30/15	MH	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	250	110	ug/Kg	01/30/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	01/30/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	360	360	ug/Kg	01/30/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	250	170	ug/Kg	01/30/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	01/30/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	01/30/15	DD	SW 8270
2,4-Dichlorophenol	ND	150	130	ug/Kg	01/30/15	DD	SW 8270
2,4-Dimethylphenol	ND	250	90	ug/Kg	01/30/15	DD	SW 8270
2,4-Dinitrophenol	ND	250	250	ug/Kg	01/30/15	DD	SW 8270
2,4-Dinitrotoluene	ND	150	140	ug/Kg	01/30/15	DD	SW 8270
2,6-Dinitrotoluene	ND	150	110	ug/Kg	01/30/15	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	01/30/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 33 COMP

Phoenix I.D.: BH68764

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		250	100	ug/Kg	01/30/15	DD	SW 8270	
2-Methylnaphthalene	ND		250	110	ug/Kg	01/30/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		250	170	ug/Kg	01/30/15	DD	SW 8270	
2-Nitroaniline	ND		1800	370	ug/Kg	01/30/15	DD	SW 8270	
2-Nitrophenol	ND		250	230	ug/Kg	01/30/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		250	140	ug/Kg	01/30/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		150	170	ug/Kg	01/30/15	DD	SW 8270	
3-Nitroaniline	ND		1800	790	ug/Kg	01/30/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		250	390	ug/Kg	01/30/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		250	110	ug/Kg	01/30/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		250	130	ug/Kg	01/30/15	DD	SW 8270	
4-Chloroaniline	ND		730	170	ug/Kg	01/30/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		250	120	ug/Kg	01/30/15	DD	SW 8270	
4-Nitroaniline	ND		1800	120	ug/Kg	01/30/15	DD	SW 8270	
4-Nitrophenol	ND		1800	160	ug/Kg	01/30/15	DD	SW 8270	
Acenaphthene	ND		250	110	ug/Kg	01/30/15	DD	SW 8270	
Acenaphthylene	ND		150	100	ug/Kg	01/30/15	DD	SW 8270	
Acetophenone	ND		250	110	ug/Kg	01/30/15	DD	SW 8270	
Anthracene	ND		250	120	ug/Kg	01/30/15	DD	SW 8270	
Atrazine	ND		150	160	ug/Kg	01/30/15	DD	SW 8270	
Benz(a)anthracene	ND		250	120	ug/Kg	01/30/15	DD	SW 8270	
Benzaldehyde	ND		250	110	ug/Kg	01/30/15	DD	SW 8270	
Benzidine	ND		540	540	ug/Kg	01/30/15	DD	SW 8270	
Benzo(a)pyrene	ND		150	120	ug/Kg	01/30/15	DD	SW 8270	
Benzo(b)fluoranthene	130	J	250	120	ug/Kg	01/30/15	DD	SW 8270	
Benzo(ghi)perylene	ND		250	120	ug/Kg	01/30/15	DD	SW 8270	
Benzo(k)fluoranthene	ND		250	120	ug/Kg	01/30/15	DD	SW 8270	
Benzyl Alcohol	ND		360	360	ug/Kg	01/30/15	DD	SW 8270	
Benzyl butyl phthalate	ND		250	94	ug/Kg	01/30/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		250	100	ug/Kg	01/30/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		150	98	ug/Kg	01/30/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		250	100	ug/Kg	01/30/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		250	100	ug/Kg	01/30/15	DD	SW 8270	
Caprolactam	ND		250	650	ug/Kg	01/30/15	DD	SW 8270	
Carbazole	ND		1800	280	ug/Kg	01/30/15	DD	SW 8270	
Chrysene	ND		250	120	ug/Kg	01/30/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		150	120	ug/Kg	01/30/15	DD	SW 8270	
Dibenzofuran	ND		250	110	ug/Kg	01/30/15	DD	SW 8270	
Diethyl phthalate	ND		250	110	ug/Kg	01/30/15	DD	SW 8270	
Dimethylphthalate	ND		250	110	ug/Kg	01/30/15	DD	SW 8270	
Di-n-butylphthalate	ND		250	97	ug/Kg	01/30/15	DD	SW 8270	
Di-n-octylphthalate	ND		250	94	ug/Kg	01/30/15	DD	SW 8270	
Fluoranthene	120	J	250	120	ug/Kg	01/30/15	DD	SW 8270	
Fluorene	ND		250	120	ug/Kg	01/30/15	DD	SW 8270	
Hexachlorobenzene	ND		150	110	ug/Kg	01/30/15	DD	SW 8270	
Hexachlorobutadiene	ND		250	130	ug/Kg	01/30/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		250	110	ug/Kg	01/30/15	DD	SW 8270	
Hexachloroethane	ND		150	110	ug/Kg	01/30/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND		250	120	ug/Kg	01/30/15	DD	SW 8270	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND		150	100	ug/Kg	01/30/15	DD	SW 8270	
Naphthalene	ND		250	100	ug/Kg	01/30/15	DD	SW 8270	
Nitrobenzene	ND		150	130	ug/Kg	01/30/15	DD	SW 8270	
N-Nitrosodimethylamine	ND		250	100	ug/Kg	01/30/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		150	120	ug/Kg	01/30/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND		150	140	ug/Kg	01/30/15	DD	SW 8270	
Pentachlorophenol	ND		250	140	ug/Kg	01/30/15	DD	SW 8270	
Phenanthrene	110	J	150	100	ug/Kg	01/30/15	DD	SW 8270	
Phenol	ND		250	120	ug/Kg	01/30/15	DD	SW 8270	
Pyrene	ND		250	120	ug/Kg	01/30/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	93				%	01/30/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	79				%	01/30/15	DD	30 - 130 %	
% 2-Fluorophenol	81				%	01/30/15	DD	30 - 130 %	
% Nitrobenzene-d5	83				%	01/30/15	DD	30 - 130 %	
% Phenol-d5	85				%	01/30/15	DD	30 - 130 %	
% Terphenyl-d14	59				%	01/30/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral									
1,4-Dichlorobenzene	ND		83	83	ug/L	02/02/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND		83	83	ug/L	02/02/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND		83	83	ug/L	02/02/15	DD	SW 8270	
2,4-Dinitrotoluene	ND		83	83	ug/L	02/02/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		83	83	ug/L	02/02/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND		83	83	ug/L	02/02/15	DD	SW 8270	
Hexachlorobenzene	ND		83	83	ug/L	02/02/15	DD	SW 8270	
Hexachlorobutadiene	ND		83	83	ug/L	02/02/15	DD	SW 8270	
Hexachloroethane	ND		83	83	ug/L	02/02/15	DD	SW 8270	
Nitrobenzene	ND		83	83	ug/L	02/02/15	DD	SW 8270	
Pentachlorophenol	ND		83	83	ug/L	02/02/15	DD	SW 8270	
Pyridine	ND		83	83	ug/L	02/02/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	80				%	02/02/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	58				%	02/02/15	DD	30 - 130 %	
% 2-Fluorophenol	42				%	02/02/15	DD	15 - 110 %	
% Nitrobenzene-d5	61				%	02/02/15	DD	30 - 130 %	
% Phenol-d5	42				%	02/02/15	DD	15 - 110 %	
% Terphenyl-d14	73				%	02/02/15	DD	30 - 130 %	
Aniline	ND		330		ug/Kg	01/30/15	DD	SW8270	
Benzoic Acid	ND		330		ug/Kg	01/30/15	DD	SW8270	1
Parathion	ND		360	150	ug/Kg	01/30/15	DD	SW8270	1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
February 05, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 05, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	01/29/15	12:30
Location Code:	IMPACT	Received by:	SW	01/29/15	17:06
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH68753
Phoenix ID: BH68765

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 30 1-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	01/29/15	I	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	2.3	0.45	ug/Kg	01/30/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	2.3	0.45	ug/Kg	01/30/15	JLI	SW8260
1,3-Dichlorobenzene	ND	2.3	0.45	ug/Kg	01/30/15	JLI	SW8260
Naphthalene	ND	2.3	0.60	ug/Kg	01/30/15	JLI	SW8260
n-Butylbenzene	ND	2.3	0.45	ug/Kg	01/30/15	JLI	SW8260
n-Propylbenzene	ND	2.3	0.45	ug/Kg	01/30/15	JLI	SW8260
p-Isopropyltoluene	ND	2.3	0.45	ug/Kg	01/30/15	JLI	SW8260
sec-Butylbenzene	ND	2.3	0.45	ug/Kg	01/30/15	JLI	SW8260
tert-Butylbenzene	ND	2.3	0.45	ug/Kg	01/30/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102			%	01/30/15	JLI	SW8260
% Bromofluorobenzene	98			%	01/30/15	JLI	SW8260
% Dibromofluoromethane	99			%	01/30/15	JLI	SW8260
% Toluene-d8	101			%	01/30/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	45	45	ug/kg	01/30/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	2.3	0.45	ug/Kg	01/30/15	JLI	SW8260
1,1,1-Trichloroethane	ND	2.3	0.45	ug/Kg	01/30/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	2.3	0.32	ug/Kg	01/30/15	JLI	SW8260
1,1,2-Trichloroethane	ND	2.3	0.22	ug/Kg	01/30/15	JLI	SW8260
1,1-Dichloroethane	ND	2.3	0.45	ug/Kg	01/30/15	JLI	SW8260
1,1-Dichloroethene	ND	2.3	0.49	ug/Kg	01/30/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 30 1-2

Phoenix I.D.: BH68765

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND	2.3	0.30	ug/Kg	01/30/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND	2.3	0.27	ug/Kg	01/30/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	2.3	0.60	ug/Kg	01/30/15	JLI	SW8260
1,2-Dibromoethane	ND	2.3	0.60	ug/Kg	01/30/15	JLI	SW8260
1,2-Dichlorobenzene	ND	2.3	0.25	ug/Kg	01/30/15	JLI	SW8260
1,2-Dichloroethane	ND	2.3	0.20	ug/Kg	01/30/15	JLI	SW8260
1,2-Dichloropropane	ND	2.3	0.32	ug/Kg	01/30/15	JLI	SW8260
1,3-Dichlorobenzene	ND	2.3	0.33	ug/Kg	01/30/15	JLI	SW8260
1,4-Dichlorobenzene	ND	2.3	0.36	ug/Kg	01/30/15	JLI	SW8260
2-Hexanone	ND	11	1.0	ug/Kg	01/30/15	JLI	SW8260
4-Methyl-2-pentanone	ND	11	0.54	ug/Kg	01/30/15	JLI	SW8260
Acetone	ND	23	2.2	ug/Kg	01/30/15	JLI	SW8260
Acrolein	ND	11	1.8	ug/Kg	01/30/15	JLI	SW8260
Acrylonitrile	ND	4.5	1.3	ug/Kg	01/30/15	JLI	SW8260
Benzene	ND	2.3	0.45	ug/Kg	01/30/15	JLI	SW8260
Bromochloromethane	ND	2.3	0.33	ug/Kg	01/30/15	JLI	SW8260
Bromodichloromethane	ND	2.3	0.28	ug/Kg	01/30/15	JLI	SW8260
Bromoform	ND	2.3	0.32	ug/Kg	01/30/15	JLI	SW8260
Bromomethane	ND	2.3	1.7	ug/Kg	01/30/15	JLI	SW8260
Carbon Disulfide	ND	2.3	0.36	ug/Kg	01/30/15	JLI	SW8260
Carbon tetrachloride	ND	2.3	0.26	ug/Kg	01/30/15	JLI	SW8260
Chlorobenzene	ND	2.3	0.33	ug/Kg	01/30/15	JLI	SW8260
Chloroethane	ND	2.3	0.53	ug/Kg	01/30/15	JLI	SW8260
Chloroform	ND	2.3	0.41	ug/Kg	01/30/15	JLI	SW8260
Chloromethane	ND	2.3	1.2	ug/Kg	01/30/15	JLI	SW8260
cis-1,2-Dichloroethene	ND	2.3	0.49	ug/Kg	01/30/15	JLI	SW8260
cis-1,3-Dichloropropene	ND	2.3	0.24	ug/Kg	01/30/15	JLI	SW8260
Cyclohexane	ND	2.3	2.3	ug/Kg	01/30/15	JLI	SW8260
Dibromochloromethane	ND	2.3	0.25	ug/Kg	01/30/15	JLI	SW8260
Dichlorodifluoromethane	ND	2.3	0.60	ug/Kg	01/30/15	JLI	SW8260
Ethylbenzene	ND	2.3	0.41	ug/Kg	01/30/15	JLI	SW8260
Isopropylbenzene	ND	2.3	0.43	ug/Kg	01/30/15	JLI	SW8260
m&p-Xylene	ND	2.3	0.89	ug/Kg	01/30/15	JLI	SW8260
Methyl ethyl ketone	ND	14	2.0	ug/Kg	01/30/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	4.5	0.62	ug/Kg	01/30/15	JLI	SW8260
Methylacetate	ND	2.3	2.3	ug/Kg	01/30/15	JLI	SW8260
Methylcyclohexane	ND	2.3	2.3	ug/Kg	01/30/15	JLI	SW8260
Methylene chloride	ND	2.3	0.37	ug/Kg	01/30/15	JLI	SW8260
o-Xylene	ND	2.3	0.86	ug/Kg	01/30/15	JLI	SW8260
Styrene	ND	2.3	0.65	ug/Kg	01/30/15	JLI	SW8260
tert-butyl alcohol	ND	45	45	ug/Kg	01/30/15	JLI	SW8260
Tetrachloroethene	ND	2.3	0.47	ug/Kg	01/30/15	JLI	SW8260
Toluene	ND	2.3	0.36	ug/Kg	01/30/15	JLI	SW8260
Total Xylenes	ND	2.3	2.3	ug/Kg	01/30/15	JLI	SW8260
trans-1,2-Dichloroethene	ND	2.3	0.45	ug/Kg	01/30/15	JLI	SW8260
trans-1,3-Dichloropropene	ND	2.3	0.46	ug/Kg	01/30/15	JLI	SW8260
Trichloroethene	ND	2.3	0.48	ug/Kg	01/30/15	JLI	SW8260
Trichlorofluoromethane	ND	2.3	0.50	ug/Kg	01/30/15	JLI	SW8260
Trichlorotrifluoroethane	ND	2.3	0.35	ug/Kg	01/30/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 30 1-2

Phoenix I.D.: BH68765

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	2.3	0.73	ug/Kg	01/30/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	102			%	01/30/15	JLI	70 - 130 %	
% Bromofluorobenzene	95			%	01/30/15	JLI	70 - 130 %	
% Dibromofluoromethane	98			%	01/30/15	JLI	70 - 130 %	
% Toluene-d8	101			%	01/30/15	JLI	70 - 130 %	
Vinyl Acetate	ND	23	23	ug/Kg	01/30/15	JLI	SW8260TIC	1

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

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

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

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 05, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 05, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	01/29/15	12:30
Location Code:	IMPACT	Received by:	SW	01/29/15	17:06
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH68753
Phoenix ID: BH68766

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 30 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.33	0.33	0.33	mg/Kg	01/30/15	LK	SW6010	
Aluminum	2280	49	6.5	mg/Kg	01/30/15	LK	SW6010	
Arsenic	1.9	0.7	0.65	mg/Kg	01/30/15	LK	SW6010	
Barium	16.0	0.33	0.33	mg/Kg	01/30/15	LK	SW6010	
Beryllium	< 0.26	0.26	0.13	mg/Kg	01/30/15	LK	SW6010	
Calcium	626	4.9	3.0	mg/Kg	01/30/15	LK	SW6010	
Cadmium	< 0.33	0.33	0.13	mg/Kg	01/30/15	LK	SW6010	
Cobalt	2.02	0.33	0.33	mg/Kg	01/30/15	LK	SW6010	
Chromium	10.4	0.33	0.33	mg/Kg	01/30/15	LK	SW6010	
Copper	6.45	0.33	0.33	mg/kg	01/30/15	LK	SW6010	
Iron	4650	4.9	3.3	mg/Kg	01/30/15	LK	SW6010	
Mercury	< 0.03	0.03	0.02	mg/Kg	01/30/15	RS	SW-7471	
Potassium	372	4.9	2.6	mg/Kg	01/30/15	LK	SW6010	
Magnesium	821	4.9	3.3	mg/Kg	01/30/15	LK	SW6010	
Manganese	53.8	0.33	0.33	mg/Kg	01/30/15	LK	SW6010	
Sodium	480	4.9	2.8	mg/Kg	01/30/15	LK	SW6010	
Nickel	7.56	0.33	0.33	mg/Kg	01/30/15	LK	SW6010	
Lead	39.6	0.33	0.33	mg/Kg	01/30/15	LK	SW6010	
Antimony	< 3.3	3.3	1.6	mg/Kg	01/30/15	LK	SW6010	
Selenium	< 1.3	1.3	1.1	mg/Kg	01/30/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	01/30/15	LK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	01/30/15	LK	SW6010	
TCLP Barium	0.22	0.10	0.010	mg/L	01/30/15	LK	SW6010	B
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	01/30/15	LK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	01/30/15	LK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	01/30/15	RS	SW7470	
TCLP Lead	0.21	0.10	0.010	mg/L	01/30/15	LK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	01/30/15	LK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 30 COMP

Phoenix I.D.: BH68766

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 2.9	2.9	1.3	mg/Kg	01/30/15	LK	SW6010	
TCLP Metals Digestion	Completed				01/30/15	I/I	SW3005	
Trivalent Chromium	10.4	0.50		mg/kg	01/31/15	KDB	Calculation	
Vanadium	7.45	0.33	0.33	mg/Kg	01/30/15	LK	SW6010	
Zinc	50.0	0.33	0.33	mg/Kg	01/30/15	LK	SW6010	
Percent Solid	91			%	01/29/15	I	SW846	
Corrosivity	Negative			Pos/Neg	01/29/15	DH/KDB	SW846	1
Flash Point	>200	200		degree F	01/30/15	I	SW1010	
Chromium, Hexavalent	< 0.42	0.42	0.42	mg/Kg	01/31/15 08:50	KDB	SW3060/7196	
Ignitability	Passed	140		degree F	01/30/15	I	SW846	1
pH - Soil	9.07	0.10		pH Units	01/29/15 19:40	DH/KDB	4500-H B/9045	1
Reactivity Cyanide	< 5.5	5.5	0.027	mg/Kg	01/30/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/02/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/02/15	EG	SW 846-7.3	1
Redox Potential	140	1.0		mV	01/29/15	DH/KDB	SM2580B	1
Total Cyanide	4.16	0.55	0.27	mg/Kg	01/29/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				01/29/15	BC/H	SW3545	
Soil Extraction for Pesticide	Completed				01/29/15	BC	SW3545	
Soil Extraction for SVOA	Completed				01/29/15	BJ/VH	SW3545	
Mercury Digestion	Completed				01/30/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				01/29/15	/DW	SW8151	
TCLP Digestion Mercury	Completed				01/30/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				01/30/15	FI/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				01/29/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				01/29/15	I	1311	
TCLP Pesticides Extraction	Completed				01/30/15	BT	SW3510	
TCLP Semi-Volatile Extraction	Completed				01/30/15	BT	SW3510	
TCLP Extraction Volatiles	Completed				01/29/15	Y	EPA 1311	
Total Metals Digest	Completed				01/29/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				01/29/15	CC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	45	45	ug/Kg	02/01/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	45	45	ug/Kg	02/01/15	BB	SW8151	
2,4-D	ND	45	45	ug/Kg	02/01/15	BB	SW8151	
2,4-DB	ND	450	450	ug/Kg	02/01/15	BB	SW8151	
Dalapon	ND	45	45	ug/Kg	02/01/15	BB	SW8151	
Dicamba	ND	91	91	ug/Kg	02/01/15	BB	SW8151	
Dichloroprop	ND	45	45	ug/Kg	02/01/15	BB	SW8151	
Dinoseb	ND	91	91	ug/Kg	02/01/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	50			%	02/01/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	71	71	ug/Kg	01/30/15	AW	SW 8082	
PCB-1221	ND	71	71	ug/Kg	01/30/15	AW	SW 8082	
PCB-1232	ND	71	71	ug/Kg	01/30/15	AW	SW 8082	
PCB-1242	ND	71	71	ug/Kg	01/30/15	AW	SW 8082	
PCB-1248	ND	71	71	ug/Kg	01/30/15	AW	SW 8082	
PCB-1254	ND	71	71	ug/Kg	01/30/15	AW	SW 8082	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	71	71	ug/Kg	01/30/15	AW	SW 8082
PCB-1262	ND	71	71	ug/Kg	01/30/15	AW	SW 8082
PCB-1268	ND	71	71	ug/Kg	01/30/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	65			%	01/30/15	AW	30 - 150 %
% TCMX	83			%	01/30/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.1	2.1	ug/Kg	01/30/15	CE	SW8081
4,4' -DDE	ND	2.1	2.1	ug/Kg	01/30/15	CE	SW8081
4,4' -DDT	ND	2.1	2.1	ug/Kg	01/30/15	CE	SW8081
a-BHC	ND	7.1	7.1	ug/Kg	01/30/15	CE	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	01/30/15	CE	SW8081
Aldrin	ND	3.6	3.6	ug/Kg	01/30/15	CE	SW8081
b-BHC	ND	7.1	7.1	ug/Kg	01/30/15	CE	SW8081
Chlordane	ND	36	36	ug/Kg	01/30/15	CE	SW8081
d-BHC	ND	7.1	7.1	ug/Kg	01/30/15	CE	SW8081
Dieldrin	ND	3.6	3.6	ug/Kg	01/30/15	CE	SW8081
Endosulfan I	ND	7.1	7.1	ug/Kg	01/30/15	CE	SW8081
Endosulfan II	ND	7.1	7.1	ug/Kg	01/30/15	CE	SW8081
Endosulfan sulfate	ND	7.1	7.1	ug/Kg	01/30/15	CE	SW8081
Endrin	ND	7.1	7.1	ug/Kg	01/30/15	CE	SW8081
Endrin aldehyde	ND	7.1	7.1	ug/Kg	01/30/15	CE	SW8081
Endrin ketone	ND	7.1	7.1	ug/Kg	01/30/15	CE	SW8081
g-BHC	ND	1.4	1.4	ug/Kg	01/30/15	CE	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	01/30/15	CE	SW8081
Heptachlor	ND	7.1	7.1	ug/Kg	01/30/15	CE	SW8081
Heptachlor epoxide	ND	7.1	7.1	ug/Kg	01/30/15	CE	SW8081
Methoxychlor	ND	36	36	ug/Kg	01/30/15	CE	SW8081
Toxaphene	ND	140	140	ug/Kg	01/30/15	CE	SW8081
QA/QC Surrogates							
% DCBP	80			%	01/30/15	CE	30 - 150 %
% TCMX	96			%	01/30/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/03/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/03/15	BB	SW8151
QA/QC Surrogates							
% DCAA	76			%	02/03/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	01/31/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	01/31/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	01/31/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	01/31/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	01/31/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	01/31/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	01/31/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	01/31/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	01/31/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	01/31/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	01/31/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	01/31/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	01/31/15	CE	SW 8081
Endrin	ND	1.0		ug/L	01/31/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	01/31/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	01/31/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	01/31/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	01/31/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	01/31/15	CE	SW 8081
Toxaphene	ND	20		ug/L	01/31/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	94			%	01/31/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	84			%	01/31/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	55	55	mg/Kg	01/30/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	83			%	01/30/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	01/30/15	MH	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	01/30/15	MH	SW8260
Benzene	ND	25	25	ug/L	01/30/15	MH	SW8260
Carbon tetrachloride	ND	25	25	ug/L	01/30/15	MH	SW8260
Chlorobenzene	ND	25	25	ug/L	01/30/15	MH	SW8260
Chloroform	ND	25	25	ug/L	01/30/15	MH	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	01/30/15	MH	SW8260
Tetrachloroethene	ND	25	25	ug/L	01/30/15	MH	SW8260
Trichloroethene	ND	25	25	ug/L	01/30/15	MH	SW8260
Vinyl chloride	ND	25	25	ug/L	01/30/15	MH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100			%	01/30/15	MH	70 - 130 %
% Bromofluorobenzene	99			%	01/30/15	MH	70 - 130 %
% Dibromofluoromethane	102			%	01/30/15	MH	70 - 130 %
% Toluene-d8	101			%	01/30/15	MH	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	250	110	ug/Kg	01/30/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	01/30/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	360	360	ug/Kg	01/30/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	250	170	ug/Kg	01/30/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	01/30/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	01/30/15	DD	SW 8270
2,4-Dichlorophenol	ND	140	130	ug/Kg	01/30/15	DD	SW 8270
2,4-Dimethylphenol	ND	250	88	ug/Kg	01/30/15	DD	SW 8270
2,4-Dinitrophenol	ND	250	250	ug/Kg	01/30/15	DD	SW 8270
2,4-Dinitrotoluene	ND	140	140	ug/Kg	01/30/15	DD	SW 8270
2,6-Dinitrotoluene	ND	140	110	ug/Kg	01/30/15	DD	SW 8270
2-Chloronaphthalene	ND	250	100	ug/Kg	01/30/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 30 COMP

Phoenix I.D.: BH68766

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND	250	100	ug/Kg	01/30/15	DD	SW 8270	
2-Methylnaphthalene	ND	250	110	ug/Kg	01/30/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	01/30/15	DD	SW 8270	
2-Nitroaniline	ND	1800	360	ug/Kg	01/30/15	DD	SW 8270	
2-Nitrophenol	ND	250	230	ug/Kg	01/30/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	01/30/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	140	170	ug/Kg	01/30/15	DD	SW 8270	
3-Nitroaniline	ND	1800	780	ug/Kg	01/30/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	250	380	ug/Kg	01/30/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	01/30/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	01/30/15	DD	SW 8270	
4-Chloroaniline	ND	710	170	ug/Kg	01/30/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	01/30/15	DD	SW 8270	
4-Nitroaniline	ND	1800	120	ug/Kg	01/30/15	DD	SW 8270	
4-Nitrophenol	ND	1800	160	ug/Kg	01/30/15	DD	SW 8270	
Acenaphthene	ND	250	110	ug/Kg	01/30/15	DD	SW 8270	
Acenaphthylene	ND	140	100	ug/Kg	01/30/15	DD	SW 8270	
Acetophenone	ND	250	110	ug/Kg	01/30/15	DD	SW 8270	
Anthracene	ND	250	120	ug/Kg	01/30/15	DD	SW 8270	
Atrazine	ND	140	160	ug/Kg	01/30/15	DD	SW 8270	
Benz(a)anthracene	ND	250	120	ug/Kg	01/30/15	DD	SW 8270	
Benzaldehyde	ND	250	110	ug/Kg	01/30/15	DD	SW 8270	
Benzidine	ND	530	530	ug/Kg	01/30/15	DD	SW 8270	
Benzo(a)pyrene	ND	140	120	ug/Kg	01/30/15	DD	SW 8270	
Benzo(b)fluoranthene	ND	250	120	ug/Kg	01/30/15	DD	SW 8270	
Benzo(ghi)perylene	ND	250	120	ug/Kg	01/30/15	DD	SW 8270	
Benzo(k)fluoranthene	ND	250	120	ug/Kg	01/30/15	DD	SW 8270	
Benzyl Alcohol	ND	360	360	ug/Kg	01/30/15	DD	SW 8270	
Benzyl butyl phthalate	ND	250	92	ug/Kg	01/30/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	250	98	ug/Kg	01/30/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	140	96	ug/Kg	01/30/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	250	99	ug/Kg	01/30/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	01/30/15	DD	SW 8270	
Caprolactam	ND	250	640	ug/Kg	01/30/15	DD	SW 8270	
Carbazole	ND	1800	270	ug/Kg	01/30/15	DD	SW 8270	
Chrysene	ND	250	120	ug/Kg	01/30/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND	140	120	ug/Kg	01/30/15	DD	SW 8270	
Dibenzofuran	ND	250	100	ug/Kg	01/30/15	DD	SW 8270	
Diethyl phthalate	ND	250	110	ug/Kg	01/30/15	DD	SW 8270	
Dimethylphthalate	ND	250	110	ug/Kg	01/30/15	DD	SW 8270	
Di-n-butylphthalate	ND	250	95	ug/Kg	01/30/15	DD	SW 8270	
Di-n-octylphthalate	ND	250	92	ug/Kg	01/30/15	DD	SW 8270	
Fluoranthene	ND	250	120	ug/Kg	01/30/15	DD	SW 8270	
Fluorene	ND	250	120	ug/Kg	01/30/15	DD	SW 8270	
Hexachlorobenzene	ND	140	100	ug/Kg	01/30/15	DD	SW 8270	
Hexachlorobutadiene	ND	250	130	ug/Kg	01/30/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	01/30/15	DD	SW 8270	
Hexachloroethane	ND	140	110	ug/Kg	01/30/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	01/30/15	DD	SW 8270	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND	140	100	ug/Kg	01/30/15	DD	SW 8270	
Naphthalene	ND	250	100	ug/Kg	01/30/15	DD	SW 8270	
Nitrobenzene	ND	140	120	ug/Kg	01/30/15	DD	SW 8270	
N-Nitrosodimethylamine	ND	250	100	ug/Kg	01/30/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	140	120	ug/Kg	01/30/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND	140	140	ug/Kg	01/30/15	DD	SW 8270	
Pentachlorophenol	ND	250	130	ug/Kg	01/30/15	DD	SW 8270	
Phenanthrene	ND	140	100	ug/Kg	01/30/15	DD	SW 8270	
Phenol	ND	250	110	ug/Kg	01/30/15	DD	SW 8270	
Pyrene	ND	250	120	ug/Kg	01/30/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	105			%	01/30/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	82			%	01/30/15	DD	30 - 130 %	
% 2-Fluorophenol	84			%	01/30/15	DD	30 - 130 %	
% Nitrobenzene-d5	85			%	01/30/15	DD	30 - 130 %	
% Phenol-d5	93			%	01/30/15	DD	30 - 130 %	
% Terphenyl-d14	57			%	01/30/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral								
1,4-Dichlorobenzene	ND	83	83	ug/L	02/02/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND	83	83	ug/L	02/02/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND	83	83	ug/L	02/02/15	DD	SW 8270	
2,4-Dinitrotoluene	ND	83	83	ug/L	02/02/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	83	83	ug/L	02/02/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND	83	83	ug/L	02/02/15	DD	SW 8270	
Hexachlorobenzene	ND	83	83	ug/L	02/02/15	DD	SW 8270	
Hexachlorobutadiene	ND	83	83	ug/L	02/02/15	DD	SW 8270	
Hexachloroethane	ND	83	83	ug/L	02/02/15	DD	SW 8270	
Nitrobenzene	ND	83	83	ug/L	02/02/15	DD	SW 8270	
Pentachlorophenol	ND	83	83	ug/L	02/02/15	DD	SW 8270	
Pyridine	ND	83	83	ug/L	02/02/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	83			%	02/02/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	59			%	02/02/15	DD	30 - 130 %	
% 2-Fluorophenol	42			%	02/02/15	DD	15 - 110 %	
% Nitrobenzene-d5	57			%	02/02/15	DD	30 - 130 %	
% Phenol-d5	40			%	02/02/15	DD	15 - 110 %	
% Terphenyl-d14	76			%	02/02/15	DD	30 - 130 %	
Aniline	ND	330		ug/Kg	01/30/15	DD	SW8270	
Benzoic Acid	ND	330		ug/Kg	01/30/15	DD	SW8270	1
Parathion	ND	360	140	ug/Kg	01/30/15	DD	SW8270	1

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 30 COMP

Phoenix I.D.: BH68766

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

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

Comments:

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
February 05, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 05, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	01/29/15	13:20
Location Code:	IMPACT	Received by:	SW	01/29/15	17:06
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH68753
Phoenix ID: BH68767

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 1 1-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	01/29/15	I	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	5.0	1.0	ug/Kg	01/30/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	5.0	1.0	ug/Kg	01/30/15	JLI	SW8260
1,3-Dichlorobenzene	ND	5.0	1.0	ug/Kg	01/30/15	JLI	SW8260
Naphthalene	ND	5.0	1.3	ug/Kg	01/30/15	JLI	SW8260
n-Butylbenzene	ND	5.0	1.0	ug/Kg	01/30/15	JLI	SW8260
n-Propylbenzene	ND	5.0	1.0	ug/Kg	01/30/15	JLI	SW8260
p-Isopropyltoluene	ND	5.0	1.0	ug/Kg	01/30/15	JLI	SW8260
sec-Butylbenzene	ND	5.0	1.0	ug/Kg	01/30/15	JLI	SW8260
tert-Butylbenzene	ND	5.0	1.0	ug/Kg	01/30/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100			%	01/30/15	JLI	SW8260
% Bromofluorobenzene	94			%	01/30/15	JLI	SW8260
% Dibromofluoromethane	97			%	01/30/15	JLI	SW8260
% Toluene-d8	100			%	01/30/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	100	100	ug/kg	01/30/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.0	1.0	ug/Kg	01/30/15	JLI	SW8260
1,1,1-Trichloroethane	ND	5.0	1.0	ug/Kg	01/30/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	5.0	0.71	ug/Kg	01/30/15	JLI	SW8260
1,1,2-Trichloroethane	ND	5.0	0.49	ug/Kg	01/30/15	JLI	SW8260
1,1-Dichloroethane	ND	5.0	0.99	ug/Kg	01/30/15	JLI	SW8260
1,1-Dichloroethene	ND	5.0	1.1	ug/Kg	01/30/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 1 1-2

Phoenix I.D.: BH68767

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		5.0	0.67	ug/Kg	01/30/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		5.0	0.59	ug/Kg	01/30/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		5.0	1.3	ug/Kg	01/30/15	JLI	SW8260
1,2-Dibromoethane	ND		5.0	1.3	ug/Kg	01/30/15	JLI	SW8260
1,2-Dichlorobenzene	ND		5.0	0.55	ug/Kg	01/30/15	JLI	SW8260
1,2-Dichloroethane	ND		5.0	0.44	ug/Kg	01/30/15	JLI	SW8260
1,2-Dichloropropane	ND		5.0	0.71	ug/Kg	01/30/15	JLI	SW8260
1,3-Dichlorobenzene	ND		5.0	0.74	ug/Kg	01/30/15	JLI	SW8260
1,4-Dichlorobenzene	ND		5.0	0.79	ug/Kg	01/30/15	JLI	SW8260
2-Hexanone	ND		25	2.3	ug/Kg	01/30/15	JLI	SW8260
4-Methyl-2-pentanone	ND		25	1.2	ug/Kg	01/30/15	JLI	SW8260
Acetone	18	JS	50	5.0	ug/Kg	01/30/15	JLI	SW8260
Acrolein	ND		25	4.0	ug/Kg	01/30/15	JLI	SW8260
Acrylonitrile	ND		10	2.8	ug/Kg	01/30/15	JLI	SW8260
Benzene	ND		5.0	0.99	ug/Kg	01/30/15	JLI	SW8260
Bromochloromethane	ND		5.0	0.73	ug/Kg	01/30/15	JLI	SW8260
Bromodichloromethane	ND		5.0	0.62	ug/Kg	01/30/15	JLI	SW8260
Bromoform	ND		5.0	0.70	ug/Kg	01/30/15	JLI	SW8260
Bromomethane	ND		5.0	3.9	ug/Kg	01/30/15	JLI	SW8260
Carbon Disulfide	ND		5.0	0.81	ug/Kg	01/30/15	JLI	SW8260
Carbon tetrachloride	ND		5.0	0.58	ug/Kg	01/30/15	JLI	SW8260
Chlorobenzene	ND		5.0	0.74	ug/Kg	01/30/15	JLI	SW8260
Chloroethane	ND		5.0	1.2	ug/Kg	01/30/15	JLI	SW8260
Chloroform	ND		5.0	0.91	ug/Kg	01/30/15	JLI	SW8260
Chloromethane	ND		5.0	2.6	ug/Kg	01/30/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		5.0	1.1	ug/Kg	01/30/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		5.0	0.54	ug/Kg	01/30/15	JLI	SW8260
Cyclohexane	ND		5.0	5.0	ug/Kg	01/30/15	JLI	SW8260
Dibromochloromethane	ND		5.0	0.56	ug/Kg	01/30/15	JLI	SW8260
Dichlorodifluoromethane	ND		5.0	1.3	ug/Kg	01/30/15	JLI	SW8260
Ethylbenzene	ND		5.0	0.91	ug/Kg	01/30/15	JLI	SW8260
Isopropylbenzene	ND		5.0	0.96	ug/Kg	01/30/15	JLI	SW8260
m&p-Xylene	ND		5.0	2.0	ug/Kg	01/30/15	JLI	SW8260
Methyl ethyl ketone	5.1	J	30	4.3	ug/Kg	01/30/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		10	1.4	ug/Kg	01/30/15	JLI	SW8260
Methylacetate	ND		5.0	5.0	ug/Kg	01/30/15	JLI	SW8260
Methylcyclohexane	ND		5.0	5.0	ug/Kg	01/30/15	JLI	SW8260
Methylene chloride	0.91	JS	5.0	0.82	ug/Kg	01/30/15	JLI	SW8260
o-Xylene	ND		5.0	1.9	ug/Kg	01/30/15	JLI	SW8260
Styrene	ND		5.0	1.4	ug/Kg	01/30/15	JLI	SW8260
tert-butyl alcohol	ND		100	100	ug/Kg	01/30/15	JLI	SW8260
Tetrachloroethene	ND		5.0	1.1	ug/Kg	01/30/15	JLI	SW8260
Toluene	ND		5.0	0.79	ug/Kg	01/30/15	JLI	SW8260
Total Xylenes	ND		5.0	5.0	ug/Kg	01/30/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		5.0	1.0	ug/Kg	01/30/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		5.0	1.0	ug/Kg	01/30/15	JLI	SW8260
Trichloroethene	ND		5.0	1.1	ug/Kg	01/30/15	JLI	SW8260
Trichlorofluoromethane	ND		5.0	1.1	ug/Kg	01/30/15	JLI	SW8260
Trichlorotrifluoroethane	ND		5.0	0.78	ug/Kg	01/30/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 1 1-2

Phoenix I.D.: BH68767

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	5.0	1.6	ug/Kg	01/30/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	01/30/15	JLI	70 - 130 %	
% Bromofluorobenzene	91			%	01/30/15	JLI	70 - 130 %	
% Dibromofluoromethane	97			%	01/30/15	JLI	70 - 130 %	
% Toluene-d8	100			%	01/30/15	JLI	70 - 130 %	
Vinyl Acetate	ND	50	50	ug/Kg	01/30/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

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 05, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 05, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	01/29/15	13:20
Location Code:	IMPACT	Received by:	SW	01/29/15	17:06
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH68753
Phoenix ID: BH68768

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 1 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.39	0.39	0.39	mg/Kg	01/30/15	LK	SW6010	
Aluminum	8200	58	7.8	mg/Kg	01/30/15	LK	SW6010	
Arsenic	3.3	0.8	0.78	mg/Kg	01/30/15	LK	SW6010	
Barium	34.4	0.39	0.39	mg/Kg	01/30/15	LK	SW6010	
Beryllium	0.42	0.31	0.16	mg/Kg	01/30/15	LK	SW6010	
Calcium	631	5.8	3.6	mg/Kg	01/30/15	LK	SW6010	
Cadmium	< 0.39	0.39	0.16	mg/Kg	01/30/15	LK	SW6010	
Cobalt	4.11	0.39	0.39	mg/Kg	01/30/15	LK	SW6010	
Chromium	10.8	0.39	0.39	mg/Kg	01/30/15	LK	SW6010	
Copper	9.74	0.39	0.39	mg/kg	01/30/15	LK	SW6010	
Iron	10700	58	39	mg/Kg	01/30/15	LK	SW6010	
Mercury	0.15	0.03	0.02	mg/Kg	01/30/15	RS	SW-7471	
Potassium	560	5.8	3.0	mg/Kg	01/30/15	LK	SW6010	
Magnesium	1310	5.8	3.9	mg/Kg	01/30/15	LK	SW6010	
Manganese	154	3.9	3.9	mg/Kg	01/30/15	LK	SW6010	
Sodium	1590	5.8	3.3	mg/Kg	01/30/15	LK	SW6010	
Nickel	11.4	0.39	0.39	mg/Kg	01/30/15	LK	SW6010	
Lead	106	0.39	0.39	mg/Kg	01/30/15	LK	SW6010	
Antimony	< 3.9	3.9	1.9	mg/Kg	01/30/15	LK	SW6010	
Selenium	< 1.6	1.6	1.3	mg/Kg	01/30/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	01/30/15	EK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	01/30/15	EK	SW6010	
TCLP Barium	0.19	0.10	0.010	mg/L	01/30/15	EK	SW6010	B*
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	01/30/15	EK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	01/30/15	EK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	01/30/15	RS	SW7470	
TCLP Lead	0.12	0.10	0.010	mg/L	01/30/15	EK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	01/30/15	EK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 1 COMP

Phoenix I.D.: BH68768

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.5	3.5	1.6	mg/Kg	01/30/15	LK	SW6010	
TCLP Metals Digestion	Completed				01/30/15	I/I	SW3005	
Trivalent Chromium	10.8	0.50		mg/kg	01/31/15	KDB	Calculation	
Vanadium	16.5	0.39	0.39	mg/Kg	01/30/15	LK	SW6010	
Zinc	37.8	0.39	0.39	mg/Kg	01/30/15	LK	SW6010	
Percent Solid	88			%	01/29/15	I	SW846	
Corrosivity	Negative			Pos/Neg	01/29/15	DH/KDB	SW846	1
Flash Point	>200	200		degree F	01/30/15	I	SW1010	
Chromium, Hexavalent	< 0.44	0.44	0.44	mg/Kg	01/31/15 08:50	KDB	SW3060/7196	
Ignitability	Passed	140		degree F	01/30/15	I	SW846	1
pH - Soil	7.71	0.10		pH Units	01/29/15 19:40	DH/KDB	4500-H B/9045	1
Reactivity Cyanide	< 5.6	5.6	0.028	mg/Kg	01/30/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/02/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/02/15	EG	SW 846-7.3	1
Redox Potential	160	1.0		mV	01/29/15	DH/KDB	SM2580B	1
Total Cyanide	< 0.57	0.57	0.28	mg/Kg	01/29/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				01/29/15	BC/H	SW3545	
Soil Extraction for Pesticide	Completed				01/29/15	BC	SW3545	
Soil Extraction for SVOA	Completed				01/29/15	BJ/VH	SW3545	
Mercury Digestion	Completed				01/30/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				01/29/15	/DW	SW8151	
TCLP Digestion Mercury	Completed				01/30/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				01/30/15	FI/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				01/29/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				01/29/15	I	1311	
TCLP Pesticides Extraction	Completed				01/30/15	BT	SW3510	
TCLP Semi-Volatile Extraction	Completed				01/30/15	BT	SW3510	
TCLP Extraction Volatiles	Completed				01/29/15	Y	EPA 1311	
Total Metals Digest	Completed				01/29/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				01/29/15	CC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	47	47	ug/Kg	02/01/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	47	47	ug/Kg	02/01/15	BB	SW8151	
2,4-D	ND	47	47	ug/Kg	02/01/15	BB	SW8151	
2,4-DB	ND	470	470	ug/Kg	02/01/15	BB	SW8151	
Dalapon	ND	47	47	ug/Kg	02/01/15	BB	SW8151	
Dicamba	ND	94	94	ug/Kg	02/01/15	BB	SW8151	
Dichloroprop	ND	47	47	ug/Kg	02/01/15	BB	SW8151	
Dinoseb	ND	94	94	ug/Kg	02/01/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	55			%	02/01/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	75	75	ug/Kg	01/30/15	AW	SW 8082	
PCB-1221	ND	75	75	ug/Kg	01/30/15	AW	SW 8082	
PCB-1232	ND	75	75	ug/Kg	01/30/15	AW	SW 8082	
PCB-1242	ND	75	75	ug/Kg	01/30/15	AW	SW 8082	
PCB-1248	ND	75	75	ug/Kg	01/30/15	AW	SW 8082	
PCB-1254	ND	75	75	ug/Kg	01/30/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 1 COMP

Phoenix I.D.: BH68768

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	75	75	ug/Kg	01/30/15	AW	SW 8082
PCB-1262	ND	75	75	ug/Kg	01/30/15	AW	SW 8082
PCB-1268	ND	75	75	ug/Kg	01/30/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	67			%	01/30/15	AW	30 - 150 %
% TCMX	77			%	01/30/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.3	2.3	ug/Kg	01/30/15	CE	SW8081
4,4' -DDE	ND	2.3	2.3	ug/Kg	01/30/15	CE	SW8081
4,4' -DDT	ND	2.3	2.3	ug/Kg	01/30/15	CE	SW8081
a-BHC	ND	7.5	7.5	ug/Kg	01/30/15	CE	SW8081
a-Chlordane	ND	3.8	3.8	ug/Kg	01/30/15	CE	SW8081
Aldrin	ND	3.8	3.8	ug/Kg	01/30/15	CE	SW8081
b-BHC	ND	7.5	7.5	ug/Kg	01/30/15	CE	SW8081
Chlordane	ND	38	38	ug/Kg	01/30/15	CE	SW8081
d-BHC	ND	7.5	7.5	ug/Kg	01/30/15	CE	SW8081
Dieldrin	ND	3.8	3.8	ug/Kg	01/30/15	CE	SW8081
Endosulfan I	ND	7.5	7.5	ug/Kg	01/30/15	CE	SW8081
Endosulfan II	ND	7.5	7.5	ug/Kg	01/30/15	CE	SW8081
Endosulfan sulfate	ND	7.5	7.5	ug/Kg	01/30/15	CE	SW8081
Endrin	ND	7.5	7.5	ug/Kg	01/30/15	CE	SW8081
Endrin aldehyde	ND	7.5	7.5	ug/Kg	01/30/15	CE	SW8081
Endrin ketone	ND	7.5	7.5	ug/Kg	01/30/15	CE	SW8081
g-BHC	ND	1.5	1.5	ug/Kg	01/30/15	CE	SW8081
g-Chlordane	ND	3.8	3.8	ug/Kg	01/30/15	CE	SW8081
Heptachlor	ND	7.5	7.5	ug/Kg	01/30/15	CE	SW8081
Heptachlor epoxide	ND	7.5	7.5	ug/Kg	01/30/15	CE	SW8081
Methoxychlor	ND	38	38	ug/Kg	01/30/15	CE	SW8081
Toxaphene	ND	150	150	ug/Kg	01/30/15	CE	SW8081
QA/QC Surrogates							
% DCBP	67			%	01/30/15	CE	30 - 150 %
% TCMX	71			%	01/30/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/03/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/03/15	BB	SW8151
QA/QC Surrogates							
% DCAA	76			%	02/03/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/01/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/01/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/01/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/01/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/01/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/01/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/01/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/01/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/01/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/01/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/01/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/01/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/01/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/01/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/01/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/01/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/01/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/01/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/01/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/01/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	88			%	02/01/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	81			%	02/01/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	56	56	mg/Kg	01/30/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	94			%	01/30/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	01/30/15	MH	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	01/30/15	MH	SW8260
Benzene	ND	25	25	ug/L	01/30/15	MH	SW8260
Carbon tetrachloride	ND	25	25	ug/L	01/30/15	MH	SW8260
Chlorobenzene	ND	25	25	ug/L	01/30/15	MH	SW8260
Chloroform	ND	25	25	ug/L	01/30/15	MH	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	01/30/15	MH	SW8260
Tetrachloroethene	ND	25	25	ug/L	01/30/15	MH	SW8260
Trichloroethene	ND	25	25	ug/L	01/30/15	MH	SW8260
Vinyl chloride	ND	25	25	ug/L	01/30/15	MH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100			%	01/30/15	MH	70 - 130 %
% Bromofluorobenzene	101			%	01/30/15	MH	70 - 130 %
% Dibromofluoromethane	98			%	01/30/15	MH	70 - 130 %
% Toluene-d8	101			%	01/30/15	MH	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	260	120	ug/Kg	01/30/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	01/30/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	380	380	ug/Kg	01/30/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	260	180	ug/Kg	01/30/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	210	ug/Kg	01/30/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	01/30/15	DD	SW 8270
2,4-Dichlorophenol	ND	150	130	ug/Kg	01/30/15	DD	SW 8270
2,4-Dimethylphenol	ND	260	94	ug/Kg	01/30/15	DD	SW 8270
2,4-Dinitrophenol	ND	260	260	ug/Kg	01/30/15	DD	SW 8270
2,4-Dinitrotoluene	ND	150	150	ug/Kg	01/30/15	DD	SW 8270
2,6-Dinitrotoluene	ND	150	120	ug/Kg	01/30/15	DD	SW 8270
2-Chloronaphthalene	ND	260	110	ug/Kg	01/30/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 1 COMP

Phoenix I.D.: BH68768

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND	260	110	ug/Kg	01/30/15	DD	SW 8270	
2-Methylnaphthalene	ND	260	110	ug/Kg	01/30/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	260	180	ug/Kg	01/30/15	DD	SW 8270	
2-Nitroaniline	ND	1900	380	ug/Kg	01/30/15	DD	SW 8270	
2-Nitrophenol	ND	260	240	ug/Kg	01/30/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	01/30/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND	150	180	ug/Kg	01/30/15	DD	SW 8270	
3-Nitroaniline	ND	1900	820	ug/Kg	01/30/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND	260	410	ug/Kg	01/30/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	01/30/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	01/30/15	DD	SW 8270	
4-Chloroaniline	ND	750	180	ug/Kg	01/30/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND	260	130	ug/Kg	01/30/15	DD	SW 8270	
4-Nitroaniline	ND	1900	130	ug/Kg	01/30/15	DD	SW 8270	
4-Nitrophenol	ND	1900	170	ug/Kg	01/30/15	DD	SW 8270	
Acenaphthene	ND	260	110	ug/Kg	01/30/15	DD	SW 8270	
Acenaphthylene	ND	150	110	ug/Kg	01/30/15	DD	SW 8270	
Acetophenone	ND	260	120	ug/Kg	01/30/15	DD	SW 8270	
Anthracene	ND	260	120	ug/Kg	01/30/15	DD	SW 8270	
Atrazine	ND	150	170	ug/Kg	01/30/15	DD	SW 8270	
Benz(a)anthracene	ND	260	130	ug/Kg	01/30/15	DD	SW 8270	
Benzaldehyde	ND	260	110	ug/Kg	01/30/15	DD	SW 8270	
Benzidine	ND	570	570	ug/Kg	01/30/15	DD	SW 8270	
Benzo(a)pyrene	ND	150	120	ug/Kg	01/30/15	DD	SW 8270	
Benzo(b)fluoranthene	ND	260	130	ug/Kg	01/30/15	DD	SW 8270	
Benzo(ghi)perylene	ND	260	120	ug/Kg	01/30/15	DD	SW 8270	
Benzo(k)fluoranthene	ND	260	130	ug/Kg	01/30/15	DD	SW 8270	
Benzyl Alcohol	ND	380	380	ug/Kg	01/30/15	DD	SW 8270	
Benzyl butyl phthalate	ND	260	97	ug/Kg	01/30/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	01/30/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND	150	100	ug/Kg	01/30/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	01/30/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	01/30/15	DD	SW 8270	
Caprolactam	ND	260	670	ug/Kg	01/30/15	DD	SW 8270	
Carbazole	ND	1900	290	ug/Kg	01/30/15	DD	SW 8270	
Chrysene	ND	260	130	ug/Kg	01/30/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND	150	120	ug/Kg	01/30/15	DD	SW 8270	
Dibenzofuran	ND	260	110	ug/Kg	01/30/15	DD	SW 8270	
Diethyl phthalate	ND	260	120	ug/Kg	01/30/15	DD	SW 8270	
Dimethylphthalate	ND	260	120	ug/Kg	01/30/15	DD	SW 8270	
Di-n-butylphthalate	ND	260	100	ug/Kg	01/30/15	DD	SW 8270	
Di-n-octylphthalate	ND	260	97	ug/Kg	01/30/15	DD	SW 8270	
Fluoranthene	ND	260	120	ug/Kg	01/30/15	DD	SW 8270	
Fluorene	ND	260	120	ug/Kg	01/30/15	DD	SW 8270	
Hexachlorobenzene	ND	150	110	ug/Kg	01/30/15	DD	SW 8270	
Hexachlorobutadiene	ND	260	140	ug/Kg	01/30/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND	260	120	ug/Kg	01/30/15	DD	SW 8270	
Hexachloroethane	ND	150	110	ug/Kg	01/30/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND	260	130	ug/Kg	01/30/15	DD	SW 8270	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 1 COMP

Phoenix I.D.: BH68768

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND	150	110	ug/Kg	01/30/15	DD	SW 8270	
Naphthalene	ND	260	110	ug/Kg	01/30/15	DD	SW 8270	
Nitrobenzene	ND	150	130	ug/Kg	01/30/15	DD	SW 8270	
N-Nitrosodimethylamine	ND	260	110	ug/Kg	01/30/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	150	120	ug/Kg	01/30/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND	150	140	ug/Kg	01/30/15	DD	SW 8270	
Pentachlorophenol	ND	260	140	ug/Kg	01/30/15	DD	SW 8270	
Phenanthrene	ND	150	110	ug/Kg	01/30/15	DD	SW 8270	
Phenol	ND	260	120	ug/Kg	01/30/15	DD	SW 8270	
Pyrene	ND	260	130	ug/Kg	01/30/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	97			%	01/30/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	64			%	01/30/15	DD	30 - 130 %	
% 2-Fluorophenol	69			%	01/30/15	DD	30 - 130 %	
% Nitrobenzene-d5	67			%	01/30/15	DD	30 - 130 %	
% Phenol-d5	79			%	01/30/15	DD	30 - 130 %	
% Terphenyl-d14	56			%	01/30/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral								
1,4-Dichlorobenzene	ND	83	83	ug/L	02/02/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND	83	83	ug/L	02/02/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND	83	83	ug/L	02/02/15	DD	SW 8270	
2,4-Dinitrotoluene	ND	83	83	ug/L	02/02/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	83	83	ug/L	02/02/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND	83	83	ug/L	02/02/15	DD	SW 8270	
Hexachlorobenzene	ND	83	83	ug/L	02/02/15	DD	SW 8270	
Hexachlorobutadiene	ND	83	83	ug/L	02/02/15	DD	SW 8270	
Hexachloroethane	ND	83	83	ug/L	02/02/15	DD	SW 8270	
Nitrobenzene	ND	83	83	ug/L	02/02/15	DD	SW 8270	
Pentachlorophenol	ND	83	83	ug/L	02/02/15	DD	SW 8270	
Pyridine	ND	83	83	ug/L	02/02/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	76			%	02/02/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	57			%	02/02/15	DD	30 - 130 %	
% 2-Fluorophenol	41			%	02/02/15	DD	15 - 110 %	
% Nitrobenzene-d5	58			%	02/02/15	DD	30 - 130 %	
% Phenol-d5	40			%	02/02/15	DD	15 - 110 %	
% Terphenyl-d14	76			%	02/02/15	DD	30 - 130 %	
Aniline	ND	330		ug/Kg	01/30/15	DD	SW8270	
Benzoic Acid	ND	330		ug/Kg	01/30/15	DD	SW8270	1
Parathion	ND	380	150	ug/Kg	01/30/15	DD	SW8270	1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B* = Present in blank, a bias is possible.

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

Comments:

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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

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

Phyllis Shiller, Laboratory Director
February 05, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 05, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	01/29/15	13:50
Location Code:	IMPACT	Received by:	SW	01/29/15	17:06
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH68753
Phoenix ID: BH68769

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 8 1-2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	01/29/15	I	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	2.5	0.50	ug/Kg	01/30/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	2.5	0.50	ug/Kg	01/30/15	JLI	SW8260
1,3-Dichlorobenzene	ND	2.5	0.50	ug/Kg	01/30/15	JLI	SW8260
Naphthalene	ND	2.5	0.67	ug/Kg	01/30/15	JLI	SW8260
n-Butylbenzene	ND	2.5	0.50	ug/Kg	01/30/15	JLI	SW8260
n-Propylbenzene	ND	2.5	0.50	ug/Kg	01/30/15	JLI	SW8260
p-Isopropyltoluene	ND	2.5	0.50	ug/Kg	01/30/15	JLI	SW8260
sec-Butylbenzene	ND	2.5	0.50	ug/Kg	01/30/15	JLI	SW8260
tert-Butylbenzene	ND	2.5	0.50	ug/Kg	01/30/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	105			%	01/30/15	JLI	SW8260
% Bromofluorobenzene	95			%	01/30/15	JLI	SW8260
% Dibromofluoromethane	98			%	01/30/15	JLI	SW8260
% Toluene-d8	99			%	01/30/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	50	50	ug/kg	01/30/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	2.5	0.50	ug/Kg	01/30/15	JLI	SW8260
1,1,1-Trichloroethane	ND	2.5	0.50	ug/Kg	01/30/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	2.5	0.36	ug/Kg	01/30/15	JLI	SW8260
1,1,2-Trichloroethane	ND	2.5	0.25	ug/Kg	01/30/15	JLI	SW8260
1,1-Dichloroethane	ND	2.5	0.50	ug/Kg	01/30/15	JLI	SW8260
1,1-Dichloroethene	ND	2.5	0.55	ug/Kg	01/30/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 8 1-2

Phoenix I.D.: BH68769

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		2.5	0.34	ug/Kg	01/30/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		2.5	0.30	ug/Kg	01/30/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		2.5	0.67	ug/Kg	01/30/15	JLI	SW8260
1,2-Dibromoethane	ND		2.5	0.67	ug/Kg	01/30/15	JLI	SW8260
1,2-Dichlorobenzene	ND		2.5	0.28	ug/Kg	01/30/15	JLI	SW8260
1,2-Dichloroethane	ND		2.5	0.22	ug/Kg	01/30/15	JLI	SW8260
1,2-Dichloropropane	ND		2.5	0.36	ug/Kg	01/30/15	JLI	SW8260
1,3-Dichlorobenzene	ND		2.5	0.37	ug/Kg	01/30/15	JLI	SW8260
1,4-Dichlorobenzene	ND		2.5	0.40	ug/Kg	01/30/15	JLI	SW8260
2-Hexanone	ND		13	1.1	ug/Kg	01/30/15	JLI	SW8260
4-Methyl-2-pentanone	ND		13	0.60	ug/Kg	01/30/15	JLI	SW8260
Acetone	ND		25	2.5	ug/Kg	01/30/15	JLI	SW8260
Acrolein	ND		13	2.0	ug/Kg	01/30/15	JLI	SW8260
Acrylonitrile	ND		5.0	1.4	ug/Kg	01/30/15	JLI	SW8260
Benzene	ND		2.5	0.50	ug/Kg	01/30/15	JLI	SW8260
Bromochloromethane	ND		2.5	0.37	ug/Kg	01/30/15	JLI	SW8260
Bromodichloromethane	ND		2.5	0.31	ug/Kg	01/30/15	JLI	SW8260
Bromoform	ND		2.5	0.35	ug/Kg	01/30/15	JLI	SW8260
Bromomethane	ND		2.5	1.9	ug/Kg	01/30/15	JLI	SW8260
Carbon Disulfide	ND		2.5	0.41	ug/Kg	01/30/15	JLI	SW8260
Carbon tetrachloride	ND		2.5	0.29	ug/Kg	01/30/15	JLI	SW8260
Chlorobenzene	ND		2.5	0.37	ug/Kg	01/30/15	JLI	SW8260
Chloroethane	ND		2.5	0.59	ug/Kg	01/30/15	JLI	SW8260
Chloroform	ND		2.5	0.46	ug/Kg	01/30/15	JLI	SW8260
Chloromethane	ND		2.5	1.3	ug/Kg	01/30/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		2.5	0.55	ug/Kg	01/30/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		2.5	0.27	ug/Kg	01/30/15	JLI	SW8260
Cyclohexane	ND		2.5	2.5	ug/Kg	01/30/15	JLI	SW8260
Dibromochloromethane	ND		2.5	0.28	ug/Kg	01/30/15	JLI	SW8260
Dichlorodifluoromethane	ND		2.5	0.67	ug/Kg	01/30/15	JLI	SW8260
Ethylbenzene	ND		2.5	0.46	ug/Kg	01/30/15	JLI	SW8260
Isopropylbenzene	ND		2.5	0.48	ug/Kg	01/30/15	JLI	SW8260
m&p-Xylene	ND		2.5	0.99	ug/Kg	01/30/15	JLI	SW8260
Methyl ethyl ketone	ND		15	2.2	ug/Kg	01/30/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		5.0	0.69	ug/Kg	01/30/15	JLI	SW8260
Methylacetate	ND		2.5	2.5	ug/Kg	01/30/15	JLI	SW8260
Methylcyclohexane	ND		2.5	2.5	ug/Kg	01/30/15	JLI	SW8260
Methylene chloride	0.65	JS	2.5	0.41	ug/Kg	01/30/15	JLI	SW8260
o-Xylene	ND		2.5	0.96	ug/Kg	01/30/15	JLI	SW8260
Styrene	ND		2.5	0.72	ug/Kg	01/30/15	JLI	SW8260
tert-butyl alcohol	ND		50	50	ug/Kg	01/30/15	JLI	SW8260
Tetrachloroethene	ND		2.5	0.53	ug/Kg	01/30/15	JLI	SW8260
Toluene	ND		2.5	0.40	ug/Kg	01/30/15	JLI	SW8260
Total Xylenes	ND		2.5	2.5	ug/Kg	01/30/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		2.5	0.50	ug/Kg	01/30/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		2.5	0.51	ug/Kg	01/30/15	JLI	SW8260
Trichloroethene	ND		2.5	0.53	ug/Kg	01/30/15	JLI	SW8260
Trichlorofluoromethane	ND		2.5	0.56	ug/Kg	01/30/15	JLI	SW8260
Trichlorotrifluoroethane	ND		2.5	0.39	ug/Kg	01/30/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 8 1-2

Phoenix I.D.: BH68769

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	2.5	0.81	ug/Kg	01/30/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	105			%	01/30/15	JLI	70 - 130 %	
% Bromofluorobenzene	92			%	01/30/15	JLI	70 - 130 %	
% Dibromofluoromethane	98			%	01/30/15	JLI	70 - 130 %	
% Toluene-d8	99			%	01/30/15	JLI	70 - 130 %	
Vinyl Acetate	ND	25	25	ug/Kg	01/30/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

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 05, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

February 05, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	01/29/15	13:50
Location Code:	IMPACT	Received by:	SW	01/29/15	17:06
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH68753
Phoenix ID: BH68770

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 8 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.35	0.35	0.35	mg/Kg	01/30/15	LK	SW6010	
Aluminum	3970	53	7.0	mg/Kg	01/30/15	LK	SW6010	
Arsenic	3.4	0.7	0.70	mg/Kg	01/30/15	LK	SW6010	
Barium	112	0.35	0.35	mg/Kg	01/30/15	LK	SW6010	
Beryllium	< 0.28	0.28	0.14	mg/Kg	01/30/15	LK	SW6010	
Calcium	6250	5.3	3.2	mg/Kg	01/30/15	LK	SW6010	
Cadmium	< 0.35	0.35	0.14	mg/Kg	01/30/15	LK	SW6010	
Cobalt	4.67	0.35	0.35	mg/Kg	01/30/15	LK	SW6010	
Chromium	12.4	0.35	0.35	mg/Kg	01/30/15	LK	SW6010	
Copper	72.1	0.35	0.35	mg/kg	01/30/15	LK	SW6010	
Iron	9300	53	35	mg/Kg	01/30/15	LK	SW6010	
Mercury	0.15	0.03	0.02	mg/Kg	01/30/15	RS	SW-7471	
Potassium	836	5.3	2.7	mg/Kg	01/30/15	LK	SW6010	
Magnesium	1830	5.3	3.5	mg/Kg	01/30/15	LK	SW6010	
Manganese	226	3.5	3.5	mg/Kg	01/30/15	LK	SW6010	
Sodium	1260	5.3	3.0	mg/Kg	01/30/15	LK	SW6010	
Nickel	16.2	0.35	0.35	mg/Kg	01/30/15	LK	SW6010	
Lead	189	3.5	3.5	mg/Kg	01/30/15	LK	SW6010	
Antimony	< 3.5	3.5	1.8	mg/Kg	01/30/15	LK	SW6010	
Selenium	< 1.4	1.4	1.2	mg/Kg	01/30/15	LK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	01/30/15	EK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	01/30/15	EK	SW6010	
TCLP Barium	0.67	0.10	0.010	mg/L	01/30/15	EK	SW6010	B
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	01/30/15	EK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	01/30/15	EK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	01/30/15	RS	SW7470	
TCLP Lead	1.06	0.10	0.010	mg/L	01/30/15	EK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	01/30/15	EK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 8 COMP

Phoenix I.D.: BH68770

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.2	3.2	1.4	mg/Kg	01/30/15	LK	SW6010	
TCLP Metals Digestion	Completed				01/30/15	I/I	SW3005	
Trivalent Chromium	12.4	0.50		mg/kg	01/31/15	KDB	Calculation	
Vanadium	14.0	0.35	0.35	mg/Kg	01/30/15	LK	SW6010	
Zinc	226	3.5	3.5	mg/Kg	01/30/15	LK	SW6010	
Percent Solid	90			%	01/29/15	I	SW846	
Corrosivity	Negative			Pos/Neg	01/29/15	DH/KDB	SW846	1
Flash Point	>200	200		degree F	01/30/15	I	SW1010	
Chromium, Hexavalent	< 0.44	0.44	0.44	mg/Kg	01/31/15 08:50	KDB	SW3060/7196	
Ignitability	Passed	140		degree F	01/30/15	I	SW846	1
pH - Soil	8.59	0.10		pH Units	01/29/15 19:40	DH/KDB	4500-H B/9045	1
Reactivity Cyanide	< 5.5	5.5	0.027	mg/Kg	01/30/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	02/02/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	02/02/15	EG	SW 846-7.3	1
Redox Potential	150	1.0		mV	01/29/15	DH/KDB	SM2580B	1
Total Cyanide	0.65	0.51	0.25	mg/Kg	01/29/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				01/29/15	BC/H	SW3545	
Soil Extraction for Pesticide	Completed				01/29/15	BC	SW3545	
Soil Extraction for SVOA	Completed				01/29/15	BJ/VH	SW3545	
Mercury Digestion	Completed				01/30/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				01/29/15	/DW	SW8151	
TCLP Digestion Mercury	Completed				01/30/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				01/30/15	FI/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				01/29/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				01/29/15	I	1311	
TCLP Pesticides Extraction	Completed				01/30/15	BT	SW3510	
TCLP Semi-Volatile Extraction	Completed				01/30/15	BT	SW3510	
TCLP Extraction Volatiles	Completed				01/29/15	Y	EPA 1311	
Total Metals Digest	Completed				01/29/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				01/29/15	CC/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	46	46	ug/Kg	02/01/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	46	46	ug/Kg	02/01/15	BB	SW8151	
2,4-D	ND	46	46	ug/Kg	02/01/15	BB	SW8151	
2,4-DB	ND	460	460	ug/Kg	02/01/15	BB	SW8151	
Dalapon	ND	46	46	ug/Kg	02/01/15	BB	SW8151	
Dicamba	ND	91	91	ug/Kg	02/01/15	BB	SW8151	
Dichloroprop	ND	46	46	ug/Kg	02/01/15	BB	SW8151	
Dinoseb	ND	91	91	ug/Kg	02/01/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	53			%	02/01/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	360	360	ug/Kg	02/02/15	AW	SW 8082	
PCB-1221	ND	360	360	ug/Kg	02/02/15	AW	SW 8082	
PCB-1232	ND	360	360	ug/Kg	02/02/15	AW	SW 8082	
PCB-1242	ND	360	360	ug/Kg	02/02/15	AW	SW 8082	
PCB-1248	ND	360	360	ug/Kg	02/02/15	AW	SW 8082	
PCB-1254	ND	360	360	ug/Kg	02/02/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 8 COMP

Phoenix I.D.: BH68770

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	360	360	ug/Kg	02/02/15	AW	SW 8082
PCB-1262	ND	360	360	ug/Kg	02/02/15	AW	SW 8082
PCB-1268	2100	360	360	ug/Kg	02/02/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	Interference			%	02/02/15	AW	30 - 150 %
% TCMX	122			%	02/02/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.2	2.2	ug/Kg	01/30/15	CE	SW8081
4,4' -DDE	ND	2.2	2.2	ug/Kg	01/30/15	CE	SW8081
4,4' -DDT	ND	2.2	2.2	ug/Kg	01/30/15	CE	SW8081
a-BHC	ND	7.3	7.3	ug/Kg	01/30/15	CE	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	01/30/15	CE	SW8081
Aldrin	ND	3.6	3.6	ug/Kg	01/30/15	CE	SW8081
b-BHC	ND	7.3	7.3	ug/Kg	01/30/15	CE	SW8081
Chlordane	ND	36	36	ug/Kg	01/30/15	CE	SW8081
d-BHC	ND	7.3	7.3	ug/Kg	01/30/15	CE	SW8081
Dieldrin	ND	3.6	3.6	ug/Kg	01/30/15	CE	SW8081
Endosulfan I	ND	7.3	7.3	ug/Kg	01/30/15	CE	SW8081
Endosulfan II	ND	7.3	7.3	ug/Kg	01/30/15	CE	SW8081
Endosulfan sulfate	ND	7.3	7.3	ug/Kg	01/30/15	CE	SW8081
Endrin	ND	7.3	7.3	ug/Kg	01/30/15	CE	SW8081
Endrin aldehyde	ND	7.3	7.3	ug/Kg	01/30/15	CE	SW8081
Endrin ketone	ND	50	50	ug/Kg	01/30/15	CE	SW8081
g-BHC	ND	1.5	1.5	ug/Kg	01/30/15	CE	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	01/30/15	CE	SW8081
Heptachlor	ND	7.3	7.3	ug/Kg	01/30/15	CE	SW8081
Heptachlor epoxide	ND	7.3	7.3	ug/Kg	01/30/15	CE	SW8081
Methoxychlor	ND	36	36	ug/Kg	01/30/15	CE	SW8081
Toxaphene	ND	150	150	ug/Kg	01/30/15	CE	SW8081
QA/QC Surrogates							
% DCBP	Interference			%	01/30/15	CE	30 - 150 %
% TCMX	91			%	01/30/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	02/03/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	02/03/15	BB	SW8151
QA/QC Surrogates							
% DCAA	74			%	02/03/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	02/01/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	02/01/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	02/01/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	02/01/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	02/01/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	02/01/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	02/01/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	02/01/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	02/01/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	02/01/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	02/01/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	02/01/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	02/01/15	CE	SW 8081
Endrin	ND	1.0		ug/L	02/01/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	02/01/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	02/01/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	02/01/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	02/01/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	02/01/15	CE	SW 8081
Toxaphene	ND	20		ug/L	02/01/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	95			%	02/01/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	80			%	02/01/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	54	54	mg/Kg	01/30/15	JRB	DRO 8015D
QA/QC Surrogates							
% n-Pentacosane	85			%	01/30/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	01/30/15	MH	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	01/30/15	MH	SW8260
Benzene	ND	25	25	ug/L	01/30/15	MH	SW8260
Carbon tetrachloride	ND	25	25	ug/L	01/30/15	MH	SW8260
Chlorobenzene	ND	25	25	ug/L	01/30/15	MH	SW8260
Chloroform	ND	25	25	ug/L	01/30/15	MH	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	01/30/15	MH	SW8260
Tetrachloroethene	ND	25	25	ug/L	01/30/15	MH	SW8260
Trichloroethene	ND	25	25	ug/L	01/30/15	MH	SW8260
Vinyl chloride	ND	25	25	ug/L	01/30/15	MH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101			%	01/30/15	MH	70 - 130 %
% Bromofluorobenzene	102			%	01/30/15	MH	70 - 130 %
% Dibromofluoromethane	100			%	01/30/15	MH	70 - 130 %
% Toluene-d8	101			%	01/30/15	MH	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	260	110	ug/Kg	01/30/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	01/30/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	370	370	ug/Kg	01/30/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	260	170	ug/Kg	01/30/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	01/30/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	01/30/15	DD	SW 8270
2,4-Dichlorophenol	ND	150	130	ug/Kg	01/30/15	DD	SW 8270
2,4-Dimethylphenol	ND	260	91	ug/Kg	01/30/15	DD	SW 8270
2,4-Dinitrophenol	ND	260	260	ug/Kg	01/30/15	DD	SW 8270
2,4-Dinitrotoluene	ND	150	140	ug/Kg	01/30/15	DD	SW 8270
2,6-Dinitrotoluene	ND	150	120	ug/Kg	01/30/15	DD	SW 8270
2-Chloronaphthalene	ND	260	100	ug/Kg	01/30/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 8 COMP

Phoenix I.D.: BH68770

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		260	100	ug/Kg	01/30/15	DD	SW 8270	
2-Methylnaphthalene	ND		260	110	ug/Kg	01/30/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		260	170	ug/Kg	01/30/15	DD	SW 8270	
2-Nitroaniline	ND		1800	370	ug/Kg	01/30/15	DD	SW 8270	
2-Nitrophenol	ND		260	230	ug/Kg	01/30/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		260	140	ug/Kg	01/30/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		150	170	ug/Kg	01/30/15	DD	SW 8270	
3-Nitroaniline	ND		1800	800	ug/Kg	01/30/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		260	390	ug/Kg	01/30/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		260	110	ug/Kg	01/30/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		260	130	ug/Kg	01/30/15	DD	SW 8270	
4-Chloroaniline	ND		730	170	ug/Kg	01/30/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		260	120	ug/Kg	01/30/15	DD	SW 8270	
4-Nitroaniline	ND		1800	120	ug/Kg	01/30/15	DD	SW 8270	
4-Nitrophenol	ND		1800	170	ug/Kg	01/30/15	DD	SW 8270	
Acenaphthene	170	J	260	110	ug/Kg	01/30/15	DD	SW 8270	
Acenaphthylene	140	J	150	100	ug/Kg	01/30/15	DD	SW 8270	
Acetophenone	ND		260	110	ug/Kg	01/30/15	DD	SW 8270	
Anthracene	430		260	120	ug/Kg	01/30/15	DD	SW 8270	
Atrazine	ND		150	160	ug/Kg	01/30/15	DD	SW 8270	
Benz(a)anthracene	1200		260	120	ug/Kg	01/30/15	DD	SW 8270	
Benzaldehyde	ND		260	110	ug/Kg	01/30/15	DD	SW 8270	
Benzidine	ND		550	550	ug/Kg	01/30/15	DD	SW 8270	
Benzo(a)pyrene	1100		150	120	ug/Kg	01/30/15	DD	SW 8270	
Benzo(b)fluoranthene	1500		260	130	ug/Kg	01/30/15	DD	SW 8270	
Benzo(ghi)perylene	690		260	120	ug/Kg	01/30/15	DD	SW 8270	
Benzo(k)fluoranthene	560		260	120	ug/Kg	01/30/15	DD	SW 8270	
Benzyl Alcohol	ND		370	370	ug/Kg	01/30/15	DD	SW 8270	
Benzyl butyl phthalate	ND		260	95	ug/Kg	01/30/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		260	100	ug/Kg	01/30/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		150	99	ug/Kg	01/30/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		260	100	ug/Kg	01/30/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		260	110	ug/Kg	01/30/15	DD	SW 8270	
Caprolactam	ND		260	660	ug/Kg	01/30/15	DD	SW 8270	
Carbazole	ND		1800	280	ug/Kg	01/30/15	DD	SW 8270	
Chrysene	1200		260	120	ug/Kg	01/30/15	DD	SW 8270	
Dibenz(a,h)anthracene	170		150	120	ug/Kg	01/30/15	DD	SW 8270	
Dibenzofuran	140	J	260	110	ug/Kg	01/30/15	DD	SW 8270	
Diethyl phthalate	ND		260	120	ug/Kg	01/30/15	DD	SW 8270	
Dimethylphthalate	ND		260	110	ug/Kg	01/30/15	DD	SW 8270	
Di-n-butylphthalate	ND		260	97	ug/Kg	01/30/15	DD	SW 8270	
Di-n-octylphthalate	ND		260	95	ug/Kg	01/30/15	DD	SW 8270	
Fluoranthene	1700		260	120	ug/Kg	01/30/15	DD	SW 8270	
Fluorene	190	J	260	120	ug/Kg	01/30/15	DD	SW 8270	
Hexachlorobenzene	ND		150	110	ug/Kg	01/30/15	DD	SW 8270	
Hexachlorobutadiene	ND		260	130	ug/Kg	01/30/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		260	110	ug/Kg	01/30/15	DD	SW 8270	
Hexachloroethane	ND		150	110	ug/Kg	01/30/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	750		260	120	ug/Kg	01/30/15	DD	SW 8270	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 8 COMP

Phoenix I.D.: BH68770

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND	150	100	ug/Kg	01/30/15	DD	SW 8270	
Naphthalene	ND	260	110	ug/Kg	01/30/15	DD	SW 8270	
Nitrobenzene	ND	150	130	ug/Kg	01/30/15	DD	SW 8270	
N-Nitrosodimethylamine	ND	260	100	ug/Kg	01/30/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND	150	120	ug/Kg	01/30/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND	150	140	ug/Kg	01/30/15	DD	SW 8270	
Pentachlorophenol	ND	260	140	ug/Kg	01/30/15	DD	SW 8270	
Phenanthrene	2000	150	100	ug/Kg	01/30/15	DD	SW 8270	
Phenol	ND	260	120	ug/Kg	01/30/15	DD	SW 8270	
Pyrene	1400	260	130	ug/Kg	01/30/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	100			%	01/30/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	79			%	01/30/15	DD	30 - 130 %	
% 2-Fluorophenol	81			%	01/30/15	DD	30 - 130 %	
% Nitrobenzene-d5	86			%	01/30/15	DD	30 - 130 %	
% Phenol-d5	90			%	01/30/15	DD	30 - 130 %	
% Terphenyl-d14	53			%	01/30/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral								
1,4-Dichlorobenzene	ND	83	83	ug/L	02/02/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND	83	83	ug/L	02/02/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND	83	83	ug/L	02/02/15	DD	SW 8270	
2,4-Dinitrotoluene	ND	83	83	ug/L	02/02/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND	83	83	ug/L	02/02/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND	83	83	ug/L	02/02/15	DD	SW 8270	
Hexachlorobenzene	ND	83	83	ug/L	02/02/15	DD	SW 8270	
Hexachlorobutadiene	ND	83	83	ug/L	02/02/15	DD	SW 8270	
Hexachloroethane	ND	83	83	ug/L	02/02/15	DD	SW 8270	
Nitrobenzene	ND	83	83	ug/L	02/02/15	DD	SW 8270	
Pentachlorophenol	ND	83	83	ug/L	02/02/15	DD	SW 8270	
Pyridine	ND	83	83	ug/L	02/02/15	DD	SW 8270	
QA/QC Surrogates								
% 2,4,6-Tribromophenol	81			%	02/02/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	56			%	02/02/15	DD	30 - 130 %	
% 2-Fluorophenol	39			%	02/02/15	DD	15 - 110 %	
% Nitrobenzene-d5	60			%	02/02/15	DD	30 - 130 %	
% Phenol-d5	39			%	02/02/15	DD	15 - 110 %	
% Terphenyl-d14	74			%	02/02/15	DD	30 - 130 %	
Aniline	ND	330		ug/Kg	01/30/15	DD	SW8270	
Benzoic Acid	ND	330		ug/Kg	01/30/15	DD	SW8270	1
Parathion	ND	370	150	ug/Kg	01/30/15	DD	SW8270	1

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 8 COMP

Phoenix I.D.: BH68770

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

Pesticide Comment:
Due to matrix interference caused by the presence of PCBs in the sample, an elevated RL was reported.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
February 05, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

February 05, 2015

QA/QC Data

SDG I.D.: GBH68753

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 298051, QC Sample No: BH67209 (BH68754, BH68756, BH68758, BH68760, BH68762)													
ICP Metals - TCLP Extraction													
Arsenic	BRL	<0.10	<0.10	NC	120	117	2.5	111	113	1.8	75 - 125	20	
Barium	BRL	0.47	0.37	NC	112	109	2.7	108	109	0.9	75 - 125	20	
Cadmium	BRL	<0.050	<0.050	NC	115	113	1.8	110	112	1.8	75 - 125	20	
Chromium	BRL	<0.10	<0.10	NC	113	110	2.7	108	110	1.8	75 - 125	20	
Lead	BRL	3.56	2.77	25.0	118	115	2.6	110	112	1.8	75 - 125	20	r
Selenium	BRL	<0.10	<0.10	NC	116	125	7.5	115	116	0.9	75 - 125	20	
Silver	BRL	<0.10	<0.10	NC	122	119	2.5	109	110	0.9	75 - 125	20	
QA/QC Batch 298240, QC Sample No: BH67993 (BH68764, BH68766, BH68768, BH68770)													
ICP Metals - TCLP Extraction													
Arsenic	BRL	<0.01	<0.01	NC	106	108	1.9	108	108	0.0	75 - 125	20	
Barium	0.02	0.74	0.73	1.40	98.3	102	3.7	106	102	3.8	75 - 125	20	
Cadmium	BRL	0.030	0.030	0	99.3	103	3.7	101	102	1.0	75 - 125	20	
Chromium	BRL	<0.010	<0.010	NC	98.8	103	4.2	102	102	0.0	75 - 125	20	
Lead	BRL	0.258	0.250	3.10	102	105	2.9	104	104	0.0	75 - 125	20	
Selenium	BRL	<0.01	<0.01	NC	110	113	2.7	112	113	0.9	75 - 125	20	
Silver	BRL	<0.010	<0.010	NC	104	108	3.8	110	110	0.0	75 - 125	20	
QA/QC Batch 298205, QC Sample No: BH68748 (BH68754, BH68756, BH68758, BH68760, BH68762, BH68764, BH68766, BH68768, BH68770)													
ICP Metals - Soil													
Aluminum	BRL	7130	6770	5.20	102	99.3	2.7	NC	NC	NC	75 - 125	30	
Antimony	BRL	<1.9	<2.0	NC	106	103	2.9	83.7	87.2	4.1	75 - 125	30	
Arsenic	BRL	1.6	1.86	NC	103	101	2.0	91.4	93.8	2.6	75 - 125	30	
Barium	BRL	36.5	34.3	6.20	114	107	6.3	97.8	97.7	0.1	75 - 125	30	
Beryllium	BRL	0.41	0.38	NC	101	96.5	4.6	92.9	93.9	1.1	75 - 125	30	
Cadmium	BRL	0.16	<0.40	NC	94.8	88.5	6.9	91.1	92.4	1.4	75 - 125	30	
Calcium	BRL	2350	1770	28.2	103	95.7	7.3	NC	NC	NC	75 - 125	30	
Chromium	BRL	18.1	14.8	20.1	107	102	4.8	97.0	97.3	0.3	75 - 125	30	
Cobalt	BRL	6.72	6.61	1.70	94.1	89.9	4.6	97.6	98.5	0.9	75 - 125	30	
Copper	BRL	15.3	15.2	0.70	99.2	92.9	6.6	104	105	1.0	75 - 125	30	
Iron	BRL	20200	17600	13.8	89.2	90.6	1.6	NC	NC	NC	75 - 125	30	
Lead	BRL	40.5	38.8	4.30	93.6	90.0	3.9	90.0	94.9	5.3	75 - 125	30	
Magnesium	BRL	1900	1580	18.4	98.6	99.3	0.7	NC	NC	NC	75 - 125	30	
Manganese	BRL	284	416	37.7	120	113	6.0	115	>130	NC	75 - 125	30	m,r
Nickel	BRL	11.5	11.3	1.80	107	99.2	7.6	95.2	96.5	1.4	75 - 125	30	
Potassium	BRL	1240	1010	20.4	112	107	4.6	>130	>130	NC	75 - 125	30	m
Selenium	BRL	<1.5	<1.6	NC	94.9	91.6	3.5	84.3	86.3	2.3	75 - 125	30	
Silver	BRL	<0.39	<0.40	NC	102	98.2	3.8	95.9	96.7	0.8	75 - 125	30	
Sodium	BRL	120	120	0	119	116	2.6	127	>130	NC	75 - 125	30	m
Thallium	BRL	<1.5	<1.8	NC	103	101	2.0	92.8	94.0	1.3	75 - 125	30	
Vanadium	BRL	23.0	20.9	9.60	112	107	4.6	95.6	96.2	0.6	75 - 125	30	

QA/QC Data

SDG I.D.: GBH68753

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Zinc	BRL	35.2	38.7	9.50	94.2	89.0	5.7	92.8	93.9	1.2	75 - 125	30
QA/QC Batch 298237, QC Sample No: BH68751 (BH68754, BH68756, BH68758, BH68760, BH68762, BH68764, BH68766, BH68768, BH68770)												
Mercury - Soil	BRL	2.18	2.05	6.10	102	98.2	3.8	NC	NC	NC	70 - 130	30
Comment:												
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.												
QA/QC Batch 298343, QC Sample No: BH68756 (BH68754, BH68756, BH68758, BH68760, BH68762, BH68764, BH68766, BH68768, BH68770)												
Hex Chromium - Solid												
Hexavalent Cr	BRL	<0.44	<0.44	NC	101						70 - 130	30
Insoluble Cr					96.8			101			70 - 130	30
Soluble Cr					102			91.1			70 - 130	30
QA/QC Batch 298238, QC Sample No: BH68875 (BH68754, BH68756, BH68758, BH68760, BH68762, BH68764, BH68766, BH68768, BH68770)												
Mercury - Water	BRL	<0.0002	<0.0002	NC	97.5	97.6	0.1	100	96.3	3.8	70 - 130	20
Comment:												
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.												

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

PHOENIX
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QA/QC Report

February 05, 2015

QA/QC Data

SDG I.D.: GBH68753

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 298126, QC Sample No: BH67298 (BH68754, BH68756, BH68758, BH68760, BH68762, BH68764, BH68766, BH68768, BH68770)												
Total Cyanide	BRL	<0.56	<0.56	NC	106			97.0			85 - 115	30
QA/QC Batch 298236, QC Sample No: BH68138 (BH68754, BH68756, BH68758, BH68760, BH68762, BH68764, BH68766, BH68768, BH68770)												
Flash Point		>200	>200	NC	101						85 - 115	30
QA/QC Batch 298273, QC Sample No: BH68754 (BH68754, BH68756, BH68758, BH68760, BH68762, BH68764, BH68766, BH68768, BH68770)												
pH - Soil		11.44	11.16	2.50	99.1						85 - 115	20
QA/QC Batch 298230, QC Sample No: BH68754 (BH68754, BH68756, BH68758, BH68760, BH68762, BH68764, BH68766, BH68768, BH68770)												
Reactivity Cyanide	BRL	<5.7	<5.6	NC	98.0						85 - 115	30

PHOENIX

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QA/QC Report

February 05, 2015

QA/QC Data

SDG I.D.: GBH68753

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 297976, QC Sample No: BH66427 (BH68754, BH68756, BH68758, BH68760, BH68762, BH68764, BH68766, BH68768, BH68770)										
Chlorinated Herbicides										
2,4,5-TP (Silvex)	ND	65	65	0.0				40 - 140	20	
2,4-D	ND	61	83	30.6				40 - 140	20	r
% DCAA (Surrogate Rec)	79	66	70	5.9				30 - 150	20	

Comment:

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

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 298065, QC Sample No: BH67210 (BH68754, BH68756, BH68758, BH68760, BH68762, BH68764, BH68766, BH68768, BH68770)										
Semivolatiles										
1,4-Dichlorobenzene	ND	78	77	1.3				30 - 130	20	
2,4,5-Trichlorophenol	ND	102	104	1.9				30 - 130	20	
2,4,6-Trichlorophenol	ND	95	96	1.0				30 - 130	20	
2,4-Dinitrotoluene	ND	98	95	3.1				30 - 130	20	
2-Methylphenol (o-cresol)	ND	87	84	3.5				30 - 130	20	
3&4-Methylphenol (m&p-cresol)	ND	84	82	2.4				30 - 130	20	
Hexachlorobenzene	ND	91	91	0.0				30 - 130	20	
Hexachlorobutadiene	ND	91	87	4.5				30 - 130	20	
Hexachloroethane	ND	81	79	2.5				30 - 130	20	
Nitrobenzene	ND	88	85	3.5				30 - 130	20	
Pentachlorophenol	ND	96	93	3.2				30 - 130	20	
Pyridine	ND	25	26	3.9				30 - 130	20	I
% 2,4,6-Tribromophenol	68	85	83	2.4				15 - 110	20	
% 2-Fluorobiphenyl	55	75	79	5.2				30 - 130	20	
% 2-Fluorophenol	35	56	60	6.9				15 - 110	20	
% Nitrobenzene-d5	47	81	80	1.2				30 - 130	20	
% Phenol-d5	34	51	51	0.0				15 - 110	20	
% Terphenyl-d14	72	80	85	6.1				30 - 130	20	

Comment:

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

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

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 298125, QC Sample No: BH67410 (BH68754, BH68756, BH68758, BH68760, BH68762, BH68764, BH68766, BH68768, BH68770)										
Pesticides										
4,4' -DDD	ND	93	100	7.3				40 - 140	20	
4,4' -DDE	ND	91	98	7.4				40 - 140	20	
4,4' -DDT	ND	88	95	7.7				40 - 140	20	
a-BHC	ND	85	91	6.8				40 - 140	20	
a-Chlordane	ND	90	96	6.5				40 - 140	20	
Alachlor	ND	NA	NA	NC				40 - 140	20	

QA/QC Data

SDG I.D.: GBH68753

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Aldrin	ND	84	90	6.9				40 - 140	20
b-BHC	ND	89	94	5.5				40 - 140	20
Chlordane	ND	89	97	8.6				40 - 140	20
d-BHC	ND	71	75	5.5				40 - 140	20
Dieldrin	ND	90	97	7.5				40 - 140	20
Endosulfan I	ND	90	97	7.5				40 - 140	20
Endosulfan II	ND	90	95	5.4				40 - 140	20
Endosulfan sulfate	ND	80	85	6.1				40 - 140	20
Endrin	ND	95	102	7.1				40 - 140	20
Endrin aldehyde	ND	100	103	3.0				40 - 140	20
g-BHC	ND	88	94	6.6				40 - 140	20
g-Chlordane	ND	89	97	8.6				40 - 140	20
Heptachlor	ND	84	90	6.9				40 - 140	20
Heptachlor epoxide	ND	88	96	8.7				40 - 140	20
Methoxychlor	ND	84	89	5.8				40 - 140	20
Toxaphene	ND	NA	NA	NC				40 - 140	20
% DCBP	46	76	86	12.3				40 - 150	20
% TCMX	103	97	103	6.0				40 - 150	20

QA/QC Batch 298119, QC Sample No: BH67705 (BH68754, BH68756, BH68758, BH68760, BH68762, BH68764, BH68766, BH68768, BH68770)

Pesticides - Solid

4,4' -DDD	ND	111	106	4.6				40 - 140	30
4,4' -DDE	ND	110	106	3.7				40 - 140	30
4,4' -DDT	ND	105	103	1.9				40 - 140	30
a-BHC	ND	101	96	5.1				40 - 140	30
a-Chlordane	ND	106	102	3.8				40 - 140	30
Aldrin	ND	105	101	3.9				40 - 140	30
b-BHC	ND	102	96	6.1				40 - 140	30
Chlordane	ND	103	98	5.0				40 - 140	30
d-BHC	ND	86	83	3.6				40 - 140	30
Dieldrin	ND	107	101	5.8				40 - 140	30
Endosulfan I	ND	101	100	1.0				40 - 140	30
Endosulfan II	ND	70	80	13.3				40 - 140	30
Endosulfan sulfate	ND	49	57	15.1				40 - 140	30
Endrin	ND	110	105	4.7				40 - 140	30
Endrin aldehyde	ND	44	59	29.1				40 - 140	30
Endrin ketone	ND	72	76	5.4				40 - 140	30
g-BHC	ND	100	95	5.1				40 - 140	30
g-Chlordane	ND	103	98	5.0				40 - 140	30
Heptachlor	ND	100	96	4.1				40 - 140	30
Heptachlor epoxide	ND	105	100	4.9				40 - 140	30
Methoxychlor	ND	95	92	3.2				40 - 140	30
Toxaphene	ND	NA	NA	NC				40 - 140	30
% DCBP	102	105	100	4.9				30 - 150	30
% TCMX	95	101	95	6.1				30 - 150	30

Comment:

QC consists of a Blank, LCS, and LCSD. MS and MSD deleted due to matrix interference caused by the presence of PCBs in the unspiked sample.

QA/QC Batch 298118, QC Sample No: BH67705 (BH68754, BH68756, BH68758, BH68760, BH68762, BH68764, BH68766, BH68768, BH68770)

Polychlorinated Biphenyls - Solid

PCB-1016	ND	96	84	13.3	79	86	8.5	40 - 140	30

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
PCB-1221	ND							40 - 140	30	
PCB-1232	ND							40 - 140	30	
PCB-1242	ND							40 - 140	30	
PCB-1248	ND							40 - 140	30	
PCB-1254	ND							40 - 140	30	
PCB-1260	ND	92	78	16.5	128	128	0.0	40 - 140	30	
PCB-1262	ND							40 - 140	30	
PCB-1268	ND							40 - 140	30	
% DCBP (Surrogate Rec)	104	104	90	14.4	94	100	6.2	30 - 150	30	
% TCMX (Surrogate Rec)	99	101	93	8.2	82	91	10.4	30 - 150	30	

QA/QC Batch 298117, QC Sample No: BH67705 (BH68754, BH68756, BH68758, BH68760, BH68762, BH68764, BH68766, BH68768, BH68770)

Semivolatiles - Solid

1,1-Biphenyl	ND	83	85	2.4	89	90	1.1	30 - 130	30	
1,2,4,5-Tetrachlorobenzene	ND	82	82	0.0	88	89	1.1	30 - 130	30	
1,2-Diphenylhydrazine	ND	90	93	3.3	95	95	0.0	30 - 130	30	
2,3,4,6-tetrachlorophenol	ND	95	95	0.0	110	111	0.9	30 - 130	30	
2,4,5-Trichlorophenol	ND	94	95	1.1	102	104	1.9	30 - 130	30	
2,4,6-Trichlorophenol	ND	95	96	1.0	105	108	2.8	30 - 130	30	
2,4-Dichlorophenol	ND	92	91	1.1	97	101	4.0	30 - 130	30	
2,4-Dimethylphenol	ND	89	92	3.3	101	103	2.0	30 - 130	30	
2,4-Dinitrophenol	ND	78	50	43.8	26	14	60.0	30 - 130	30	m,r
2,4-Dinitrotoluene	ND	91	97	6.4	100	98	2.0	30 - 130	30	
2,6-Dinitrotoluene	ND	88	91	3.4	95	94	1.1	30 - 130	30	
2-Chloronaphthalene	ND	85	87	2.3	92	92	0.0	30 - 130	30	
2-Chlorophenol	ND	84	85	1.2	92	94	2.2	30 - 130	30	
2-Methylnaphthalene	ND	84	85	1.2	91	92	1.1	30 - 130	30	
2-Methylphenol (o-cresol)	ND	88	89	1.1	96	98	2.1	30 - 130	30	
2-Nitroaniline	ND	96	110	13.6	96	98	2.1	30 - 130	30	
2-Nitrophenol	ND	89	88	1.1	96	96	0.0	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	89	88	1.1	94	97	3.1	30 - 130	30	
3,3'-Dichlorobenzidine	ND	81	82	1.2	43	55	24.5	30 - 130	30	
3-Nitroaniline	ND	86	96	11.0	66	67	1.5	30 - 130	30	
4,6-Dinitro-2-methylphenol	ND	95	84	12.3	61	44	32.4	30 - 130	30	r
4-Bromophenyl phenyl ether	ND	87	87	0.0	86	90	4.5	30 - 130	30	
4-Chloro-3-methylphenol	ND	98	98	0.0	104	109	4.7	30 - 130	30	
4-Chloroaniline	ND	68	79	15.0	36	44	20.0	30 - 130	30	
4-Chlorophenyl phenyl ether	ND	84	86	2.4	90	91	1.1	30 - 130	30	
4-Nitroaniline	ND	93	98	5.2	100	102	2.0	30 - 130	30	
4-Nitrophenol	ND	89	99	10.6	115	108	6.3	30 - 130	30	
Acenaphthene	ND	86	86	0.0	95	96	1.0	30 - 130	30	
Acenaphthylene	ND	84	86	2.4	77	80	3.8	30 - 130	30	
Acetophenone	ND	83	85	2.4	93	94	1.1	30 - 130	30	
Anthracene	ND	86	89	3.4	85	91	6.8	30 - 130	30	
Atrazine	ND	99	108	8.7	102	98	4.0	30 - 130	30	
Benz(a)anthracene	ND	90	95	5.4	66	71	7.3	30 - 130	30	
Benzaldehyde	ND	42	44	4.7	69	68	1.5	30 - 130	30	
Benzidine	ND	90	85	5.7	<10	<10	NC	30 - 130	30	m
Benzo(a)pyrene	ND	87	90	3.4	59	62	5.0	30 - 130	30	
Benzo(b)fluoranthene	ND	89	92	3.3	NC	NC	NC	30 - 130	30	
Benzo(ghi)perylene	ND	88	95	7.7	85	91	6.8	30 - 130	30	
Benzo(k)fluoranthene	ND	82	86	4.8	61	48	23.9	30 - 130	30	

QA/QC Data

SDG I.D.: GBH68753

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Benzyl Alcohol	ND	92	91	1.1	96	102	6.1	30 - 130	30	
Benzyl butyl phthalate	ND	91	96	5.3	106	107	0.9	30 - 130	30	
Bis(2-chloroethoxy)methane	ND	87	89	2.3	93	94	1.1	30 - 130	30	
Bis(2-chloroethyl)ether	ND	81	73	10.4	89	95	6.5	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	89	90	1.1	97	98	1.0	30 - 130	30	
Bis(2-ethylhexyl)phthalate	ND	96	99	3.1	111	117	5.3	30 - 130	30	
Caprolactam	ND	92	86	6.7	93	95	2.1	30 - 130	30	
Carbazole	ND	96	109	12.7	98	96	2.1	30 - 130	30	
Chrysene	ND	92	96	4.3	45	48	6.5	30 - 130	30	
Dibenz(a,h)anthracene	ND	87	92	5.6	101	113	11.2	30 - 130	30	
Dibenzofuran	ND	89	92	3.3	96	98	2.1	30 - 130	30	
Diethyl phthalate	ND	91	92	1.1	96	96	0.0	30 - 130	30	
Dimethylphthalate	ND	88	90	2.2	93	95	2.1	30 - 130	30	
Di-n-butylphthalate	ND	95	107	11.9	96	95	1.0	30 - 130	30	
Di-n-octylphthalate	ND	94	96	2.1	105	112	6.5	30 - 130	30	
Fluoranthene	ND	87	101	14.9	34	29	15.9	30 - 130	30	m
Fluorene	ND	83	86	3.6	93	95	2.1	30 - 130	30	
Hexachlorobenzene	ND	91	91	0.0	94	94	0.0	30 - 130	30	
Hexachlorobutadiene	ND	77	76	1.3	84	84	0.0	30 - 130	30	
Hexachlorocyclopentadiene	ND	92	93	1.1	49	38	25.3	30 - 130	30	
Hexachloroethane	ND	69	70	1.4	78	77	1.3	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	86	92	6.7	74	82	10.3	30 - 130	30	
Isophorone	ND	85	86	1.2	90	90	0.0	30 - 130	30	
Naphthalene	ND	79	81	2.5	89	91	2.2	30 - 130	30	
Nitrobenzene	ND	82	83	1.2	91	91	0.0	30 - 130	30	
N-Nitrosodimethylamine	ND	72	72	0.0	80	76	5.1	30 - 130	30	
N-Nitrosodi-n-propylamine	ND	86	87	1.2	91	94	3.2	30 - 130	30	
N-Nitrosodiphenylamine	ND	92	96	4.3	100	103	3.0	30 - 130	30	
Pentachlorophenol	ND	106	104	1.9	121	124	2.4	30 - 130	30	
Phenanthrene	ND	86	89	3.4	80	90	11.8	30 - 130	30	
Phenol	ND	80	94	16.1	98	101	3.0	30 - 130	30	
Pyrene	ND	89	102	13.6	41	37	10.3	30 - 130	30	
% 2,4,6-Tribromophenol	93	91	91	0.0	95	101	6.1	30 - 130	30	
% 2-Fluorobiphenyl	76	81	83	2.4	86	86	0.0	30 - 130	30	
% 2-Fluorophenol	72	80	82	2.5	89	91	2.2	30 - 130	30	
% Nitrobenzene-d5	72	78	80	2.5	87	88	1.1	30 - 130	30	
% Phenol-d5	79	85	86	1.2	92	94	2.2	30 - 130	30	
% Terphenyl-d14	78	89	102	13.6	81	81	0.0	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 298285, QC Sample No: BH68056 (BH68754 (5X) , BH68756 (5X) , BH68758 (5X) , BH68760 (5X) , BH68762 (5X) , BH68764 (5X) , BH68766 (5X) , BH68768 (5X) , BH68770 (5X))

Volatiles - TCLP

1,1-Dichloroethene	ND	105	104	1.0	72	78	8.0	70 - 130	30
1,2-Dichloroethane	ND	112	107	4.6	99	96	3.1	70 - 130	30
Benzene	ND	93	94	1.1	75	75	0.0	70 - 130	30
Carbon tetrachloride	ND	106	104	1.9	90	90	0.0	70 - 130	30
Chlorobenzene	ND	96	96	0.0	78	80	2.5	70 - 130	30
Chloroform	ND	97	98	1.0	81	80	1.2	70 - 130	30
Methyl ethyl ketone	ND	93	91	2.2	76	74	2.7	70 - 130	30
Tetrachloroethene	ND	92	96	4.3	75	78	3.9	70 - 130	30

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Trichloroethene	ND	94	96	2.1	78	81	3.8	70 - 130	30	
Vinyl chloride	ND	100	99	1.0	69	82	17.2	70 - 130	30	m
% 1,2-dichlorobenzene-d4	100	101	102	1.0	102	101	1.0	70 - 130	30	
% Bromofluorobenzene	99	109	108	0.9	112	112	0.0	70 - 130	30	
% Dibromofluoromethane	93	97	97	0.0	92	94	2.2	70 - 130	30	
% Toluene-d8	102	98	99	1.0	101	100	1.0	70 - 130	30	

Comment:

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

QA/QC Batch 298277, QC Sample No: BH68733 (BH68753 (63X) , BH68755 (50X) , BH68761 (38X))

Volatiles (TCL) - Solid

1,1,1,2-Tetrachloroethane	ND	113	113	0.0	109	110	0.9	70 - 130	30	
1,1,1-Trichloroethane	ND	105	110	4.7	111	110	0.9	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	107	103	3.8	100	104	3.9	70 - 130	30	
1,1,2-Trichloroethane	ND	102	102	0.0	103	102	1.0	70 - 130	30	
1,1-Dichloroethane	ND	101	104	2.9	105	105	0.0	70 - 130	30	
1,1-Dichloroethene	ND	106	114	7.3	109	108	0.9	70 - 130	30	
1,2,3-Trichlorobenzene	ND	103	102	1.0	84	91	8.0	70 - 130	30	
1,2,4-Trichlorobenzene	ND	103	103	0.0	87	84	3.5	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	99	98	1.0	103	105	1.9	70 - 130	30	
1,2-Dibromoethane	ND	106	110	3.7	104	104	0.0	70 - 130	30	
1,2-Dichlorobenzene	ND	100	101	1.0	95	95	0.0	70 - 130	30	
1,2-Dichloroethane	ND	99	102	3.0	102	102	0.0	70 - 130	30	
1,2-Dichloropropane	ND	101	107	5.8	102	103	1.0	70 - 130	30	
1,3-Dichlorobenzene	ND	99	102	3.0	99	99	0.0	70 - 130	30	
1,4-Dichlorobenzene	ND	100	101	1.0	94	100	6.2	70 - 130	30	
1,4-dioxane	ND	113	109	3.6	102	143	33.5	70 - 130	30	m,r
2-Hexanone	ND	90	82	9.3	104	98	5.9	70 - 130	30	
4-Methyl-2-pentanone	ND	94	95	1.1	103	102	1.0	70 - 130	30	
Acetone	ND	66	56	16.4	91	75	19.3	70 - 130	30	l
Acrolein	ND	115	108	6.3	75	79	5.2	70 - 130	30	
Acrylonitrile	ND	97	93	4.2	100	103	3.0	70 - 130	30	
Benzene	ND	103	111	7.5	104	104	0.0	70 - 130	30	
Bromochloromethane	ND	106	105	0.9	104	105	1.0	70 - 130	30	
Bromodichloromethane	ND	109	114	4.5	105	107	1.9	70 - 130	30	
Bromoform	ND	112	110	1.8	104	106	1.9	70 - 130	30	
Bromomethane	ND	105	107	1.9	106	104	1.9	70 - 130	30	
Carbon Disulfide	ND	123	126	2.4	108	110	1.8	70 - 130	30	
Carbon tetrachloride	ND	108	119	9.7	113	111	1.8	70 - 130	30	
Chlorobenzene	ND	102	106	3.8	104	104	0.0	70 - 130	30	
Chloroethane	ND	98	105	6.9	98	101	3.0	70 - 130	30	
Chloroform	ND	101	102	1.0	106	106	0.0	70 - 130	30	
Chloromethane	ND	97	101	4.0	102	103	1.0	70 - 130	30	
cis-1,2-Dichloroethene	ND	104	112	7.4	103	112	8.4	70 - 130	30	
cis-1,3-Dichloropropene	ND	112	117	4.4	106	107	0.9	70 - 130	30	
Cyclohexane	ND	93	97	4.2	109	110	0.9	70 - 130	30	
Dibromochloromethane	ND	123	119	3.3	112	111	0.9	70 - 130	30	
Dichlorodifluoromethane	ND	106	110	3.7	103	105	1.9	70 - 130	30	
Ethylbenzene	ND	110	110	0.0	109	107	1.9	70 - 130	30	
Isopropylbenzene	ND	106	108	1.9	110	111	0.9	70 - 130	30	
m&p-Xylene	ND	107	111	3.7	109	110	0.9	70 - 130	30	
Methyl ethyl ketone	ND	76	70	8.2	97	88	9.7	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	99	99	0.0	93	94	1.1	70 - 130	30	

QA/QC Data

SDG I.D.: GBH68753

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Methylacetate	ND	113	109	3.6	116	118	1.7	70 - 130	30
Methylcyclohexane	ND	100	107	6.8	102	105	2.9	70 - 130	30
Methylene chloride	ND	90	91	1.1	89	89	0.0	70 - 130	30
o-Xylene	ND	115	113	1.8	111	110	0.9	70 - 130	30
Styrene	ND	112	112	0.0	109	108	0.9	70 - 130	30
tert-butyl alcohol	ND	91	90	1.1	89	115	25.5	70 - 130	30
Tetrachloroethene	ND	109	112	2.7	112	109	2.7	70 - 130	30
Toluene	ND	103	111	7.5	104	105	1.0	70 - 130	30
trans-1,2-Dichloroethene	ND	105	112	6.5	106	107	0.9	70 - 130	30
trans-1,3-Dichloropropene	ND	113	114	0.9	104	105	1.0	70 - 130	30
Trichloroethene	ND	104	108	3.8	110	107	2.8	70 - 130	30
Trichlorofluoromethane	ND	102	104	1.9	102	103	1.0	70 - 130	30
Trichlorotrifluoroethane	ND	106	111	4.6	111	110	0.9	70 - 130	30
Vinyl chloride	ND	100	103	3.0	107	107	0.0	70 - 130	30
% 1,2-dichlorobenzene-d4	101	100	99	1.0	96	98	2.1	70 - 130	30
% Bromofluorobenzene	92	114	103	10.1	101	101	0.0	70 - 130	30
% Dibromofluoromethane	100	101	95	6.1	97	100	3.0	70 - 130	30
% Toluene-d8	100	101	99	2.0	101	100	1.0	70 - 130	30

Comment:

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

QA/QC Batch 298267, QC Sample No: BH68733 (BH68753 (63X) , BH68755 (50X) , BH68761 (38X))

Volatiles - Solid

1,1,1,2-Tetrachloroethane	ND	112	112	0.0	109	109	0.0	70 - 130	30
1,1,1-Trichloroethane	ND	105	110	4.7	111	111	0.0	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	107	103	3.8	100	104	3.9	70 - 130	30
1,1,2-Trichloroethane	ND	102	102	0.0	103	103	0.0	70 - 130	30
1,1-Dichloroethane	ND	101	104	2.9	105	106	0.9	70 - 130	30
1,1-Dichloroethene	ND	106	115	8.1	109	108	0.9	70 - 130	30
1,2,3-Trichlorobenzene	ND	103	102	1.0	84	91	8.0	70 - 130	30
1,2,4-Trichlorobenzene	ND	103	103	0.0	87	84	3.5	70 - 130	30
1,2,4-Trimethylbenzene	ND	99	101	2.0	105	106	0.9	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	103	103	0.0	104	106	1.9	70 - 130	30
1,2-Dibromoethane	ND	106	110	3.7	104	105	1.0	70 - 130	30
1,2-Dichlorobenzene	ND	100	101	1.0	95	95	0.0	70 - 130	30
1,2-Dichloroethane	ND	100	102	2.0	102	103	1.0	70 - 130	30
1,2-Dichloropropane	ND	101	107	5.8	102	103	1.0	70 - 130	30
1,3,5-Trimethylbenzene	ND	99	107	7.8	105	107	1.9	70 - 130	30
1,3-Dichlorobenzene	ND	99	102	3.0	99	99	0.0	70 - 130	30
1,4-Dichlorobenzene	ND	100	102	2.0	95	101	6.1	70 - 130	30
1,4-dioxane	NR	NR	NR	NC	NR	NR	NC	70 - 130	30
2-Hexanone	ND	89	82	8.2	103	96	7.0	70 - 130	30
4-Methyl-2-pentanone	ND	94	95	1.1	103	102	1.0	70 - 130	30
Acetone	ND	65	57	13.1	89	75	17.1	70 - 130	30
Acrolein	ND	113	108	4.5	76	79	3.9	70 - 130	30
Acrylonitrile	ND	98	94	4.2	101	103	2.0	70 - 130	30
Benzene	ND	104	112	7.4	104	105	1.0	70 - 130	30
Bromochloromethane	ND	106	105	0.9	104	105	1.0	70 - 130	30
Bromodichloromethane	ND	109	114	4.5	106	107	0.9	70 - 130	30
Bromoform	ND	117	115	1.7	109	111	1.8	70 - 130	30
Bromomethane	ND	104	107	2.8	106	105	0.9	70 - 130	30
Carbon Disulfide	ND	124	126	1.6	108	110	1.8	70 - 130	30
Carbon tetrachloride	ND	110	117	6.2	114	112	1.8	70 - 130	30

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Chlorobenzene	ND	101	105	3.9	103	104	1.0	70 - 130	30	
Chloroethane	ND	95	102	7.1	94	98	4.2	70 - 130	30	
Chloroform	ND	101	101	0.0	105	105	0.0	70 - 130	30	
Chloromethane	ND	97	101	4.0	102	103	1.0	70 - 130	30	
cis-1,2-Dichloroethene	ND	104	109	4.7	103	109	5.7	70 - 130	30	
cis-1,3-Dichloropropene	ND	112	117	4.4	106	108	1.9	70 - 130	30	
Cyclohexane	NR	NR	NR	NC	NR	NR	NC	70 - 130	30	
Dibromochloromethane	ND	119	115	3.4	109	108	0.9	70 - 130	30	
Dichlorodifluoromethane	ND	106	111	4.6	103	105	1.9	70 - 130	30	
Ethylbenzene	ND	111	110	0.9	109	107	1.9	70 - 130	30	
Isopropylbenzene	ND	102	110	7.5	111	113	1.8	70 - 130	30	
m&p-Xylene	ND	107	111	3.7	108	109	0.9	70 - 130	30	
Methyl ethyl ketone	ND	73	67	8.6	96	86	11.0	70 - 130	30	I
Methyl t-butyl ether (MTBE)	ND	99	99	0.0	92	94	2.2	70 - 130	30	
Methylacetate	NR	NR	NR	NC	NR	NR	NC	70 - 130	30	
Methylcyclohexane	NR	NR	NR	NC	NR	NR	NC	70 - 130	30	
Methylene chloride	ND	91	92	1.1	89	89	0.0	70 - 130	30	
Naphthalene	ND	107	105	1.9	97	100	3.0	70 - 130	30	
n-Butylbenzene	ND	100	104	3.9	96	104	8.0	70 - 130	30	
n-Propylbenzene	ND	95	100	5.1	105	107	1.9	70 - 130	30	
o-Xylene	ND	114	112	1.8	111	109	1.8	70 - 130	30	
p-Isopropyltoluene	ND	102	105	2.9	98	105	6.9	70 - 130	30	
sec-Butylbenzene	ND	104	111	6.5	100	106	5.8	70 - 130	30	
Styrene	ND	112	112	0.0	109	108	0.9	70 - 130	30	
tert-butyl alcohol	NR	NR	NR	NC	NR	NR	NC	70 - 130	30	
tert-Butylbenzene	ND	103	109	5.7	105	108	2.8	70 - 130	30	
Tetrachloroethene	ND	108	112	3.6	112	109	2.7	70 - 130	30	
Toluene	ND	102	112	9.3	102	104	1.9	70 - 130	30	
trans-1,2-Dichloroethene	ND	105	111	5.6	106	106	0.0	70 - 130	30	
trans-1,3-Dichloropropene	ND	113	114	0.9	104	106	1.9	70 - 130	30	
Trichloroethene	ND	105	109	3.7	110	107	2.8	70 - 130	30	
Trichlorofluoromethane	ND	106	109	2.8	106	107	0.9	70 - 130	30	
Trichlorotrifluoroethane	ND	112	114	1.8	114	114	0.0	70 - 130	30	
Vinyl chloride	ND	100	103	3.0	107	107	0.0	70 - 130	30	
% 1,2-dichlorobenzene-d4	101	100	99	1.0	96	98	2.1	70 - 130	30	
% Bromofluorobenzene	94	113	102	10.2	100	100	0.0	70 - 130	30	
% Dibromofluoromethane	101	101	95	6.1	99	100	1.0	70 - 130	30	
% Toluene-d8	100	101	99	2.0	101	100	1.0	70 - 130	30	

Comment:

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

QA/QC Batch 298210, QC Sample No: BH68766 (BH68754, BH68756, BH68758, BH68760, BH68762, BH68764, BH68766, BH68768, BH68770)

TPH by GC (Extractable Products) - Solid

Ext. Petroleum HC	ND	70			71	67	5.8	60 - 120	30	
% n-Pentacosane	72	84			81	77	5.1	50 - 150	30	

QA/QC Batch 298212, QC Sample No: BH68770 (BH68754, BH68756, BH68758, BH68760, BH68762, BH68764, BH68766, BH68768, BH68770)

Chlorinated Herbicides - Solid

2,4,5-T	ND	74	63	16.1	69	65	6.0	40 - 140	30	
2,4,5-TP (Silvex)	ND	76	69	9.7	72	104	36.4	40 - 140	30	r
2,4-D	ND	60	47	24.3	54	54	0.0	40 - 140	30	
2,4-DB	ND	86	61	34.0	71	59	18.5	40 - 140	30	r

QA/QC Data

SDG I.D.: GBH68753

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Dalapon	ND	96	57	51.0	51	38	29.2	40 - 140	30	r
Dicamba	ND	79	74	6.5	71	66	7.3	40 - 140	30	
Dichloroprop	ND	71	63	11.9	60	73	19.5	40 - 140	30	
Dinoseb	ND	112	106	5.5	97	130	29.1	40 - 140	30	
% DCAA (Surrogate Rec)	63	76	70	8.2	69	68	1.5	30 - 150	30	

QA/QC Batch 298369, QC Sample No: BH69104 (BH68755, BH68757, BH68759, BH68761, BH68763, BH68765, BH68767, BH68769)

Volatiles (TCL) - Solid

1,1,1,2-Tetrachloroethane	ND	108	107	0.9	93	90	3.3	70 - 130	30	
1,1,1-Trichloroethane	ND	102	105	2.9	94	90	4.3	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	102	102	0.0	88	85	3.5	70 - 130	30	
1,1,2-Trichloroethane	ND	101	99	2.0	91	90	1.1	70 - 130	30	
1,1-Dichloroethane	ND	104	99	4.9	90	86	4.5	70 - 130	30	
1,1-Dichloroethene	ND	112	111	0.9	33	27	20.0	70 - 130	30	m
1,2,3-Trichlorobenzene	ND	89	89	0.0	89	87	2.3	70 - 130	30	
1,2,4-Trichlorobenzene	ND	82	82	0.0	95	92	3.2	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	101	103	2.0	80	77	3.8	70 - 130	30	
1,2-Dibromoethane	ND	105	104	1.0	91	89	2.2	70 - 130	30	
1,2-Dichlorobenzene	ND	94	91	3.2	91	87	4.5	70 - 130	30	
1,2-Dichloroethane	ND	103	100	3.0	90	88	2.2	70 - 130	30	
1,2-Dichloropropane	ND	100	100	0.0	91	89	2.2	70 - 130	30	
1,3-Dichlorobenzene	ND	90	93	3.3	92	89	3.3	70 - 130	30	
1,4-Dichlorobenzene	ND	89	86	3.4	94	89	5.5	70 - 130	30	
1,4-dioxane	ND	122	128	4.8	97	93	4.2	70 - 130	30	
2-Hexanone	ND	85	86	1.2	79	75	5.2	70 - 130	30	
4-Methyl-2-pentanone	ND	97	96	1.0	89	88	1.1	70 - 130	30	
Acetone	ND	64	66	3.1	26	20	26.1	70 - 130	30	l,m
Acrolein	ND	96	105	9.0	22	21	4.7	70 - 130	30	m
Acrylonitrile	ND	97	99	2.0	88	85	3.5	70 - 130	30	
Benzene	ND	98	101	3.0	91	88	3.4	70 - 130	30	
Bromochloromethane	ND	104	103	1.0	93	89	4.4	70 - 130	30	
Bromodichloromethane	ND	110	108	1.8	92	90	2.2	70 - 130	30	
Bromoform	ND	106	106	0.0	86	84	2.4	70 - 130	30	
Bromomethane	ND	106	104	1.9	43	43	0.0	70 - 130	30	m
Carbon Disulfide	ND	123	118	4.1	37	31	17.6	70 - 130	30	m
Carbon tetrachloride	ND	108	107	0.9	94	92	2.2	70 - 130	30	
Chlorobenzene	ND	99	98	1.0	92	89	3.3	70 - 130	30	
Chloroethane	ND	105	102	2.9	27	26	3.8	70 - 130	30	m
Chloroform	ND	107	102	4.8	81	79	2.5	70 - 130	30	
Chloromethane	ND	96	96	0.0	92	87	5.6	70 - 130	30	
cis-1,2-Dichloroethene	ND	109	103	5.7	92	89	3.3	70 - 130	30	
cis-1,3-Dichloropropene	ND	108	106	1.9	96	94	2.1	70 - 130	30	
Cyclohexane	ND	95	93	2.1	97	94	3.1	70 - 130	30	
Dibromochloromethane	ND	115	115	0.0	93	91	2.2	70 - 130	30	
Dichlorodifluoromethane	ND	107	106	0.9	92	87	5.6	70 - 130	30	
Ethylbenzene	ND	101	101	0.0	93	89	4.4	70 - 130	30	
Isopropylbenzene	ND	100	101	1.0	94	90	4.3	70 - 130	30	
m&p-Xylene	ND	101	101	0.0	96	92	4.3	70 - 130	30	
Methyl ethyl ketone	ND	74	76	2.7	78	62	22.9	70 - 130	30	m
Methyl t-butyl ether (MTBE)	ND	104	104	0.0	77	75	2.6	70 - 130	30	
Methylacetate	ND	122	118	3.3	80	71	11.9	70 - 130	30	
Methylcyclohexane	ND	99	100	1.0	96	94	2.1	70 - 130	30	

QA/QC Data

SDG I.D.: GBH68753

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Methylene chloride	ND	95	94	1.1	58	53	9.0	70 - 130	30	m
o-Xylene	ND	104	104	0.0	94	91	3.2	70 - 130	30	
Styrene	ND	104	103	1.0	95	92	3.2	70 - 130	30	
tert-butyl alcohol	ND	93	100	7.3	87	97	10.9	70 - 130	30	
Tetrachloroethene	ND	96	99	3.1	92	88	4.4	70 - 130	30	
Toluene	ND	100	99	1.0	92	90	2.2	70 - 130	30	
trans-1,2-Dichloroethene	ND	108	109	0.9	74	67	9.9	70 - 130	30	m
trans-1,3-Dichloropropene	ND	109	107	1.9	96	94	2.1	70 - 130	30	
Trichloroethene	ND	103	100	3.0	93	92	1.1	70 - 130	30	
Trichlorofluoromethane	ND	103	97	6.0	18	17	5.7	70 - 130	30	m
Trichlorotrifluoroethane	ND	113	112	0.9	37	30	20.9	70 - 130	30	m
Vinyl chloride	ND	98	99	1.0	99	96	3.1	70 - 130	30	
% 1,2-dichlorobenzene-d4	100	100	100	0.0	100	98	2.0	70 - 130	30	
% Bromofluorobenzene	98	103	101	2.0	102	102	0.0	70 - 130	30	
% Dibromofluoromethane	97	113	101	11.2	96	99	3.1	70 - 130	30	
% Toluene-d8	100	101	100	1.0	99	101	2.0	70 - 130	30	

Comment:

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

QA/QC Batch 298367, QC Sample No: BH69104 (BH68755, BH68757, BH68759, BH68761, BH68763, BH68765, BH68767, BH68769)

Volatiles - Solid

1,1,1,2-Tetrachloroethane	ND	107	106	0.9	93	90	3.3	70 - 130	30	
1,1,1-Trichloroethane	ND	102	105	2.9	94	90	4.3	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	102	102	0.0	88	85	3.5	70 - 130	30	
1,1,2-Trichloroethane	ND	101	100	1.0	91	90	1.1	70 - 130	30	
1,1-Dichloroethane	ND	104	100	3.9	90	86	4.5	70 - 130	30	
1,1-Dichloroethene	ND	112	111	0.9	34	28	19.4	70 - 130	30	m
1,2,3-Trichlorobenzene	ND	89	89	0.0	89	87	2.3	70 - 130	30	
1,2,4-Trichlorobenzene	ND	82	82	0.0	95	92	3.2	70 - 130	30	
1,2,4-Trimethylbenzene	ND	92	93	1.1	93	90	3.3	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	104	106	1.9	80	76	5.1	70 - 130	30	
1,2-Dibromoethane	ND	106	105	0.9	91	89	2.2	70 - 130	30	
1,2-Dichlorobenzene	ND	94	91	3.2	91	87	4.5	70 - 130	30	
1,2-Dichloroethane	ND	103	100	3.0	90	88	2.2	70 - 130	30	
1,2-Dichloropropane	ND	100	100	0.0	91	89	2.2	70 - 130	30	
1,3,5-Trimethylbenzene	ND	98	99	1.0	94	90	4.3	70 - 130	30	
1,3-Dichlorobenzene	ND	91	93	2.2	92	89	3.3	70 - 130	30	
1,4-Dichlorobenzene	ND	90	86	4.5	94	90	4.3	70 - 130	30	
1,4-dioxane	NR	NR	NR	NC	NR	NR	NC	70 - 130	30	
2-Hexanone	ND	84	85	1.2	78	75	3.9	70 - 130	30	
4-Methyl-2-pentanone	ND	96	96	0.0	89	88	1.1	70 - 130	30	
Acetone	ND	65	66	1.5	37	31	17.6	70 - 130	30	l,m
Acrolein	ND	97	106	8.9	23	22	4.4	70 - 130	30	m
Acrylonitrile	ND	98	99	1.0	88	85	3.5	70 - 130	30	
Benzene	ND	99	101	2.0	91	88	3.4	70 - 130	30	
Bromochloromethane	ND	104	103	1.0	93	89	4.4	70 - 130	30	
Bromodichloromethane	ND	110	108	1.8	92	90	2.2	70 - 130	30	
Bromoform	ND	111	111	0.0	91	89	2.2	70 - 130	30	
Bromomethane	ND	106	104	1.9	42	43	2.4	70 - 130	30	m
Carbon Disulfide	ND	123	119	3.3	37	31	17.6	70 - 130	30	m
Carbon tetrachloride	ND	109	107	1.9	94	90	4.3	70 - 130	30	
Chlorobenzene	ND	98	97	1.0	91	89	2.2	70 - 130	30	

QA/QC Data

SDG I.D.: GBH68753

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Chloroethane	ND	101	98	3.0	25	24	4.1	70 - 130	30	m
Chloroform	ND	106	101	4.8	87	83	4.7	70 - 130	30	
Chloromethane	ND	96	96	0.0	92	87	5.6	70 - 130	30	
cis-1,2-Dichloroethene	ND	107	103	3.8	91	88	3.4	70 - 130	30	
cis-1,3-Dichloropropene	ND	107	106	0.9	96	94	2.1	70 - 130	30	
Cyclohexane	NR	NR	NR	NC	NR	NR	NC	70 - 130	30	
Dibromochloromethane	ND	112	111	0.9	90	88	2.2	70 - 130	30	
Dichlorodifluoromethane	ND	108	106	1.9	92	87	5.6	70 - 130	30	
Ethylbenzene	ND	101	100	1.0	92	89	3.3	70 - 130	30	
Isopropylbenzene	ND	100	101	1.0	94	90	4.3	70 - 130	30	
m&p-Xylene	ND	100	100	0.0	95	92	3.2	70 - 130	30	
Methyl ethyl ketone	ND	71	73	2.8	81	71	13.2	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	104	103	1.0	76	75	1.3	70 - 130	30	
Methylacetate	NR	NR	NR	NC	NR	NR	NC	70 - 130	30	
Methylcyclohexane	NR	NR	NR	NC	NR	NR	NC	70 - 130	30	
Methylene chloride	ND	96	95	1.0	58	53	9.0	70 - 130	30	m
Naphthalene	ND	102	103	1.0	86	84	2.4	70 - 130	30	
n-Butylbenzene	ND	87	87	0.0	98	93	5.2	70 - 130	30	
n-Propylbenzene	ND	89	90	1.1	93	90	3.3	70 - 130	30	
o-Xylene	ND	103	103	0.0	93	91	2.2	70 - 130	30	
p-Isopropyltoluene	ND	92	91	1.1	94	90	4.3	70 - 130	30	
sec-Butylbenzene	ND	101	102	1.0	95	90	5.4	70 - 130	30	
Styrene	ND	103	102	1.0	95	92	3.2	70 - 130	30	
tert-butyl alcohol	NR	NR	NR	NC	NR	NR	NC	70 - 130	30	
tert-Butylbenzene	ND	101	106	4.8	94	90	4.3	70 - 130	30	
Tetrachloroethene	ND	96	98	2.1	92	88	4.4	70 - 130	30	
Toluene	ND	100	99	1.0	91	90	1.1	70 - 130	30	
trans-1,2-Dichloroethene	ND	108	108	0.0	74	67	9.9	70 - 130	30	m
trans-1,3-Dichloropropene	ND	109	107	1.9	96	94	2.1	70 - 130	30	
Trichloroethene	ND	103	101	2.0	94	92	2.2	70 - 130	30	
Trichlorofluoromethane	ND	108	102	5.7	19	18	5.4	70 - 130	30	m
Trichlorotrifluoroethane	ND	113	105	7.3	35	28	22.2	70 - 130	30	m
Vinyl chloride	ND	98	98	0.0	99	96	3.1	70 - 130	30	
% 1,2-dichlorobenzene-d4	100	100	100	0.0	100	98	2.0	70 - 130	30	
% Bromofluorobenzene	100	102	100	2.0	102	102	0.0	70 - 130	30	
% Dibromofluoromethane	97	113	101	11.2	96	99	3.1	70 - 130	30	
% Toluene-d8	100	101	100	1.0	99	101	2.0	70 - 130	30	

Comment:

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

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

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

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

Phyllis Shiller, Laboratory Director
February 05, 2015

Thursday, February 05, 2015

Criteria: None

State: NY

Sample Criteria Exceedences Report

GBH68753 - IMPACT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

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

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

NY Temperature Narration

February 05, 2015

SDG I.D.: GBH68753

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

CHAIN OF CUSTODY

IMPACT ENVIRONMENTAL
170 Keyland Court, Bohemia, New York 11716
(Tel.) 631-269-8800 (Fax) 631-269-1599

Page ____ of ____

LAB NAME: Phoenix

RECEIVED DATE:

Client Information

Company Name: Impact Environmental
Address: 170 Keyland Court
City: Bohemia
Project Contact: Xin Yuan
Phone #: 631-269-8800 **Fax #:** 631-269-1599
E-mail: xyuan@impactenvironmental.com

Project Information

Project Name: SW Marine Transfer Station
Street: Shore Parkway
City: Brooklyn **State:** NY **Zip:**
Project #: 7336
Sampler's Name: Xin Yuan
Sampler's Signature: [signature]

Analytical Information

Matrix Codes: L - Liquid; S - Soil; A - Air; OL - Oil; W - Wipe; PC - Paint Chips; SL - Sludge; SD - Solid; DW- Drinking Water; DISS - Dissolved

Sample Type: G=Grab; C=Composite; B=Blank

LAB SAMPLE # (LAB USE ONLY)	Sample ID	IEC Project Code	Matrix Code	Sample Type	Sample Date	Time	Total # of bottles	NONE or OTHER*	ICE	HCL	Methanol (USEPA 5035)	Sodium Bisulfate (EPA 5035)	Impact Analytical Package A*	Impact Analytical Package B**	Impact Analytical Package C***	VOC 8260 (Analyte List for NY Part 375 and NJ NRDCC)	GP82 Analysis	VOCs 8260 (~~CP52 analyte List~~)						(LAB USE ONLY)
1	WC 57 2-3		S	G	1/29	7:30	2											X						68753
2	WC 57 comp			C		7:30									X									68754
3	WC 55 3-4			G		8:00												X						68755
4	WC 55 comp			C		8:00									X									68756
5	WC 46 2-3					8:40												X						68757
6	WC 46 comp					8:40									X									68758
7	WC 41 1-2					9:00												X						68759
8	WC 41 comp					9:00									X									68760
9	WC 36 2-3					9:30												X						68761
10	WC 36 comp					9:30									X									68762

Turnaround Time (Business Days)

Standard Service
- [ ] Standard - 5 day
- [ ] Standard - 4 day
- [x] Standard - 3 day

Rush Service
- [ ] 48 Hour *RUSH*
- [ ] 24 Hour *RUSH*

(LAB USE ONLY)
TAT Approved By / Date:

Data Deliverable Information
- [ ] Results Only (Level-1)
- [ ] Results plus Misc. QC (Level-2)
- [ ] Results plus ALL QC (Level-3)
- [ ] PA QC Package
- [ ] NJ QC Package (Level3NJ)
- [ ] CLP Category A (Level-2)
- [ ] CLP Category B (Level-4)
- [ ] ASP QC Package (Level-4)
- [ ] Other _____
- [x] EDD Format pdf + excel

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)

REFERENCES

*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSRS & NY Part 375 parameters and dectection limits. **Package B (proprietary)-Same as Package A, plus TCLP Metals & TPH. ***Package C (proprietary)-Same as Package B plus RCRA characteristics and Full TCLP

NOTES/COMMENTS:

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

Relinquished by Sampler:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1 [signature]	1 1/29. 2:00	1 [signature]	2 [signature]	2 1-29-15 7:00	2
Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
3	3	3	4	4	4
Relinquished by:	Date / Time:	Received By:			
5	5	5			

COOLER INFORMATION
Cooler Temp:_____ pH:_____ [ ] On Ice [ ] Sample Receipt Discrepancy(attach information)

Form SS-2/Nov. 2013

4 cu. ID

CHAIN OF CUSTODY

IMPACT ENVIRONMENTAL
170 Keyland Court, Bohemia, New York 11716
(Tel.) 631-269-8800 (Fax) 631-269-1599

Page ____ of ____

LAB NAME: Phoenix

RECEIVED DATE:

Client Information

Company Name: Impact Environmental
Address: 170 Keyland Court
City: Bohemia
Project Contact: Xin Yuan
Phone #: 631-269-8800 Fax #: 631-269-1599
E-mail: xyuan@impactenvironmental.com

Project Information

Project Name: SW Marine Transfer Station
Street: 1824 Shore Parkway
City: Brooklyn State: NY Zip:
Project #: 7336
Sampler's Name: Xin Yuan
Sampler's Signature: Xin Yuan

Sample Information / Sample Collection / Sample Containers / Analytical Information

LAB SAMPLE # (LAB USE ONLY)	Sample ID	IEC Project Code	Matrix Code	Sample Type	Sample Date	Time	Total # of bottles	NONE or OTHER*	ICE	HCl	Methanol (USEPA 5035)	Sodium Bisulfate (EPA 5035)	Impact Analytical Package A*	Impact Analytical Package B**	Impact Analytical Package C***	VOC 8260 (Analyte List for NY Part 375 and NJ NRDCC)	GP82 Analysis	VOCs 8260 (~~CLP Analyte List~~)							(LAB USE ONLY)
	1 WC33 3-4		S	G	1/29	10:30	3											X		1081103					1081153
	2 WC33 comp			C		10:30									X					1081104					1081154
	3 WC30 1-2					12:30												X		1081105					1081155
	4 WC30 Comp					12:30									X					1081106					1081156
	5 WC1 1-2					1:20												X		1081107					1081157
	6 WC1 comp					1:20									X					1081108					1081158
	7 WC8 1-2					1:50												X		1081109					1081159
	8 WC8 comp					1:50									X					1081110					1081160
	9																								
	10																								

TP

Matrix Codes
L - Liquid
S - Soil
A - Air
OL - Oil
W - Wipe
PC - Paint Chips
SL - Sludge
SD - Solid
DW- Drinking Water
DISS - Dissolved

Sample Type
G=Grab
C=Composite
B=Blank

Turnaround Time (Business Days)

Standard Service
- [ ] Standard - 5 day
- [ ] Standard - 4 day
- [x] Standard - 3 day

Rush Service
- [ ] 48 Hour *RUSH*
- [ ] 24 Hour *RUSH*

(LAB USE ONLY)
TAT Approved By / Date:

Data Deliverable Information

- [ ] Results Only (Level-1)
- [ ] Results plus Misc. QC (Level-2)
- [ ] Results plus ALL QC (Level-3)
- [ ] PA QC Package
- [ ] NJ QC Package (Level3NJ)
- [ ] CLP Category A (Level-2)
- [ ] CLP Category B (Level-4)
- [ ] ASP QC Package (Level-4)
- [ ] Other ____
- [x] EDD Format pdf+excel

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)

REFERENCES

*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSRS & NY Part 375 parameters and dectection limits. **Package B (proprietary)-Same as Package A, plus TCLP Metals & TPH. ***Package C (proprietary)-Same as Package B plus RCRA characteristics and Full TCLP

NOTES/COMMENTS:

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

Relinquished by Sampler:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1 Xin Yuan	1 1/29 2:00	1 [signature]	2 [signature]	2 1-29-17	2 [signature]
Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
3	3	3	4	4	4
Relinquished by:	Date / Time:	Received By:			
5	5	5			

COOLER INFORMATION

Cooler Temp: ____ pH: ____ [ ] On Ice [ ] Sample Receipt Discrepancy(attach information)

Form SS-2/Nov. 2013

PHOENIX
Environmental Laboratories, Inc.

Friday, January 30, 2015

Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Project ID: SW MARINE TRANSFER STATION
Sample ID#s: BH67409 - BH67416

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

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

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

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

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

Sincerely yours,

Phyllis Shiller
Laboratory Director

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

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

SDG Comments

January 30, 2015

SDG I.D.: GBH67409

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

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

January 30, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	01/26/15	7:30
Location Code:	IMPACT	Received by:	SW	01/26/15	17:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH67409
Phoenix ID: BH67409

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 52 2-3 GRAB

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	01/26/15	I	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	2.7	0.54	ug/Kg	01/28/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	2.7	0.54	ug/Kg	01/28/15	JLI	SW8260
1,3-Dichlorobenzene	ND	2.7	0.54	ug/Kg	01/28/15	JLI	SW8260
Naphthalene	ND	230	62	ug/Kg	01/28/15	JLI	SW8260
n-Butylbenzene	ND	230	46	ug/Kg	01/28/15	JLI	SW8260
n-Propylbenzene	ND	2.7	0.54	ug/Kg	01/28/15	JLI	SW8260
p-Isopropyltoluene	ND	2.7	0.54	ug/Kg	01/28/15	JLI	SW8260
sec-Butylbenzene	ND	2.7	0.54	ug/Kg	01/28/15	JLI	SW8260
tert-Butylbenzene	ND	2.7	0.54	ug/Kg	01/28/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99			%	01/28/15	JLI	SW8260
% Bromofluorobenzene	74			%	01/28/15	JLI	SW8260
% Dibromofluoromethane	103			%	01/28/15	JLI	SW8260
% Toluene-d8	95			%	01/28/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	54	54	ug/kg	01/28/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	2.7	0.54	ug/Kg	01/28/15	JLI	SW8260
1,1,1-Trichloroethane	ND	2.7	0.54	ug/Kg	01/28/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	2.7	0.38	ug/Kg	01/28/15	JLI	SW8260
1,1,2-Trichloroethane	ND	2.7	0.26	ug/Kg	01/28/15	JLI	SW8260
1,1-Dichloroethane	ND	2.7	0.53	ug/Kg	01/28/15	JLI	SW8260
1,1-Dichloroethene	ND	2.7	0.59	ug/Kg	01/28/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 52 2-3 GRAB

Phoenix I.D.: BH67409

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND	230	31	ug/Kg	01/28/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND	230	27	ug/Kg	01/28/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	80	62	ug/Kg	01/28/15	JLI	SW8260
1,2-Dibromoethane	ND	2.7	0.72	ug/Kg	01/28/15	JLI	SW8260
1,2-Dichlorobenzene	ND	230	26	ug/Kg	01/28/15	JLI	SW8260
1,2-Dichloroethane	ND	2.7	0.24	ug/Kg	01/28/15	JLI	SW8260
1,2-Dichloropropane	ND	2.7	0.38	ug/Kg	01/28/15	JLI	SW8260
1,3-Dichlorobenzene	ND	230	34	ug/Kg	01/28/15	JLI	SW8260
1,4-Dichlorobenzene	ND	230	37	ug/Kg	01/28/15	JLI	SW8260
2-Hexanone	ND	14	1.2	ug/Kg	01/28/15	JLI	SW8260
4-Methyl-2-pentanone	ND	14	0.64	ug/Kg	01/28/15	JLI	SW8260
Acetone	ND	27	2.7	ug/Kg	01/28/15	JLI	SW8260
Acrolein	ND	14	2.2	ug/Kg	01/28/15	JLI	SW8260
Acrylonitrile	ND	5.4	1.5	ug/Kg	01/28/15	JLI	SW8260
Benzene	ND	2.7	0.53	ug/Kg	01/28/15	JLI	SW8260
Bromochloromethane	ND	2.7	0.39	ug/Kg	01/28/15	JLI	SW8260
Bromodichloromethane	ND	2.7	0.33	ug/Kg	01/28/15	JLI	SW8260
Bromoform	ND	2.7	0.38	ug/Kg	01/28/15	JLI	SW8260
Bromomethane	ND	2.7	2.1	ug/Kg	01/28/15	JLI	SW8260
Carbon Disulfide	ND	2.7	0.44	ug/Kg	01/28/15	JLI	SW8260
Carbon tetrachloride	ND	2.7	0.31	ug/Kg	01/28/15	JLI	SW8260
Chlorobenzene	ND	2.7	0.40	ug/Kg	01/28/15	JLI	SW8260
Chloroethane	ND	2.7	0.63	ug/Kg	01/28/15	JLI	SW8260
Chloroform	ND	2.7	0.49	ug/Kg	01/28/15	JLI	SW8260
Chloromethane	ND	2.7	1.4	ug/Kg	01/28/15	JLI	SW8260
cis-1,2-Dichloroethene	ND	2.7	0.59	ug/Kg	01/28/15	JLI	SW8260
cis-1,3-Dichloropropene	ND	2.7	0.29	ug/Kg	01/28/15	JLI	SW8260
Cyclohexane	ND	2.7	2.7	ug/Kg	01/28/15	JLI	SW8260
Dibromochloromethane	ND	2.7	0.30	ug/Kg	01/28/15	JLI	SW8260
Dichlorodifluoromethane	ND	2.7	0.72	ug/Kg	01/28/15	JLI	SW8260
Ethylbenzene	ND	2.7	0.49	ug/Kg	01/28/15	JLI	SW8260
Isopropylbenzene	ND	230	45	ug/Kg	01/28/15	JLI	SW8260
m&p-Xylene	ND	2.7	1.1	ug/Kg	01/28/15	JLI	SW8260
Methyl ethyl ketone	ND	16	2.3	ug/Kg	01/28/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	5.4	0.75	ug/Kg	01/28/15	JLI	SW8260
Methylacetate	ND	2.7	2.7	ug/Kg	01/28/15	JLI	SW8260
Methylcyclohexane	ND	2.7	2.7	ug/Kg	01/28/15	JLI	SW8260
Methylene chloride	ND	2.7	0.44	ug/Kg	01/28/15	JLI	SW8260
o-Xylene	ND	2.7	1.0	ug/Kg	01/28/15	JLI	SW8260
Styrene	ND	2.7	0.78	ug/Kg	01/28/15	JLI	SW8260
tert-butyl alcohol	ND	54	54	ug/Kg	01/28/15	JLI	SW8260
Tetrachloroethene	ND	2.7	0.57	ug/Kg	01/28/15	JLI	SW8260
Toluene	ND	2.7	0.43	ug/Kg	01/28/15	JLI	SW8260
Total Xylenes	ND	2.7	2.7	ug/Kg	01/28/15	JLI	SW8260
trans-1,2-Dichloroethene	ND	2.7	0.54	ug/Kg	01/28/15	JLI	SW8260
trans-1,3-Dichloropropene	ND	2.7	0.55	ug/Kg	01/28/15	JLI	SW8260
Trichloroethene	ND	2.7	0.57	ug/Kg	01/28/15	JLI	SW8260
Trichlorofluoromethane	ND	2.7	0.60	ug/Kg	01/28/15	JLI	SW8260
Trichlorotrifluoroethane	ND	2.7	0.42	ug/Kg	01/28/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 52 2-3 GRAB

Phoenix I.D.: BH67409

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	2.7	0.87	ug/Kg	01/28/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	01/28/15	JLI	70 - 130 %	
% Bromofluorobenzene	94			%	01/28/15	JLI	70 - 130 %	
% Dibromofluoromethane	103			%	01/28/15	JLI	70 - 130 %	
% Toluene-d8	95			%	01/28/15	JLI	70 - 130 %	
Vinyl Acetate	ND	27	27	ug/Kg	01/28/15	JLI	SW8260TIC	1

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

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

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

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

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
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Phyllis Shiller, Laboratory Director
January 30, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

Analysis Report

January 30, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	01/26/15	7:30
Location Code:	IMPACT	Received by:	SW	01/26/15	17:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH67409
Phoenix ID: BH67410

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 52 2-3 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.38	0.38	0.38	mg/Kg	01/28/15	EK	SW6010	
Aluminum	3190	58	7.7	mg/Kg	01/28/15	EK	SW6010	
Arsenic	3.5	0.8	0.77	mg/Kg	01/28/15	EK	SW6010	
Barium	284	0.38	0.38	mg/Kg	01/28/15	EK	SW6010	
Beryllium	< 0.31	0.31	0.15	mg/Kg	01/28/15	EK	SW6010	
Calcium	14300	58	35	mg/Kg	01/28/15	EK	SW6010	
Cadmium	< 0.38	0.38	0.15	mg/Kg	01/28/15	EK	SW6010	
Cobalt	3.46	0.38	0.38	mg/Kg	01/28/15	EK	SW6010	
Chromium	18.6	0.38	0.38	mg/Kg	01/28/15	EK	SW6010	
Copper	22.2	0.38	0.38	mg/kg	01/28/15	EK	SW6010	
Iron	8670	58	38	mg/Kg	01/29/15	LK	SW6010	
Mercury	0.18	0.03	0.02	mg/Kg	01/28/15	RS	SW-7471	
Potassium	575	5.8	3.0	mg/Kg	01/28/15	EK	SW6010	
Magnesium	6760	58	38	mg/Kg	01/28/15	EK	SW6010	
Manganese	124	0.38	0.38	mg/Kg	01/28/15	EK	SW6010	
Sodium	155	5.8	3.3	mg/Kg	01/28/15	EK	SW6010	
Nickel	10.1	0.38	0.38	mg/Kg	01/28/15	EK	SW6010	
Lead	370	3.8	3.8	mg/Kg	01/28/15	EK	SW6010	
Antimony	< 3.8	3.8	1.9	mg/Kg	01/28/15	EK	SW6010	
Selenium	< 1.5	1.5	1.3	mg/Kg	01/28/15	EK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	01/28/15	EK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	01/28/15	EK	SW6010	
TCLP Barium	1.41	0.10	0.010	mg/L	01/28/15	EK	SW6010	B
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	01/28/15	EK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	01/28/15	EK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	01/28/15	RS	SW7470	
TCLP Lead	5.45	0.10	0.010	mg/L	01/28/15	EK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	01/28/15	EK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 52 2-3 COMP

Phoenix I.D.: BH67410

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.5	3.5	1.5	mg/Kg	01/28/15	EK	SW6010	
TCLP Metals Digestion	Completed				01/28/15	I/I	SW3005	
Trivalent Chromium	16.4	0.50		mg/kg	01/29/15	CL	Calculation	
Vanadium	11.8	0.38	0.38	mg/Kg	01/28/15	EK	SW6010	
Zinc	277	3.8	3.8	mg/Kg	01/28/15	EK	SW6010	
Percent Solid	89			%	01/26/15	I	SW846	
Corrosivity	Negative			Pos/Neg	01/26/15	DH/KDB	SW846	1
Flash Point	>200	200		degree F	01/28/15	Y	SW1010	
Chromium, Hexavalent	2.21	0.45	0.45	mg/Kg	01/29/15 09:42	CL	SW3060/7196	
Ignitability	Passed	140		degree F	01/28/15	Y	SW846	1
pH - Soil	8.52	0.10		pH Units	01/26/15 20:30	DH/KDB	4500-H B/9045	1
Reactivity Cyanide	< 5.5	5.5	0.028	mg/Kg	01/27/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	01/28/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	01/28/15	EG	SW 846-7.3	1
Redox Potential	155	1.0		mV	01/26/15	DH/KDB	SM2580B	1
Total Cyanide	1.42	0.56	0.28	mg/Kg	01/28/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				01/26/15	bj/H	SW3545	
Soil Extraction for Pesticide	Completed				01/26/15	bj	SW3545	
Soil Extraction for SVOA	Completed				01/26/15	BJ/VH	SW3545	
Mercury Digestion	Completed				01/28/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				01/28/15	P/D	SW8151	
TCLP Digestion Mercury	Completed				01/28/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				01/28/15	WF/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				01/26/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				01/26/15	I	1311	
TCLP Pesticides Extraction	Completed				01/28/15	L	SW3510	
TCLP Semi-Volatile Extraction	Completed				01/28/15	L	SW3510	
TCLP Extraction Volatiles	Completed				01/26/15	Y	EPA 1311	
Total Metals Digest	Completed				01/26/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				01/26/15	BJ/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	46	46	ug/Kg	01/29/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	46	46	ug/Kg	01/29/15	BB	SW8151	
2,4-D	ND	46	46	ug/Kg	01/29/15	BB	SW8151	
2,4-DB	ND	460	460	ug/Kg	01/29/15	BB	SW8151	
Dalapon	ND	46	46	ug/Kg	01/29/15	BB	SW8151	
Dicamba	ND	92	92	ug/Kg	01/29/15	BB	SW8151	
Dichloroprop	ND	46	46	ug/Kg	01/29/15	BB	SW8151	
Dinoseb	ND	92	92	ug/Kg	01/29/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	57			%	01/29/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	75	75	ug/Kg	01/28/15	AW	SW 8082	
PCB-1221	ND	75	75	ug/Kg	01/28/15	AW	SW 8082	
PCB-1232	ND	75	75	ug/Kg	01/28/15	AW	SW 8082	
PCB-1242	ND	75	75	ug/Kg	01/28/15	AW	SW 8082	
PCB-1248	ND	75	75	ug/Kg	01/28/15	AW	SW 8082	
PCB-1254	ND	75	75	ug/Kg	01/28/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 52 2-3 COMP

Phoenix I.D.: BH67410

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	75	75	ug/Kg	01/28/15	AW	SW 8082
PCB-1262	ND	75	75	ug/Kg	01/28/15	AW	SW 8082
PCB-1268	ND	75	75	ug/Kg	01/28/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	82			%	01/28/15	AW	30 - 150 %
% TCMX	81			%	01/28/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.2	2.2	ug/Kg	01/28/15	CE	SW8081
4,4' -DDE	ND	2.2	2.2	ug/Kg	01/28/15	CE	SW8081
4,4' -DDT	ND	2.2	2.2	ug/Kg	01/28/15	CE	SW8081
a-BHC	ND	7.5	7.5	ug/Kg	01/28/15	CE	SW8081
a-Chlordane	ND	3.7	3.7	ug/Kg	01/28/15	CE	SW8081
Aldrin	ND	3.7	3.7	ug/Kg	01/28/15	CE	SW8081
b-BHC	ND	7.5	7.5	ug/Kg	01/28/15	CE	SW8081
Chlordane	ND	37	37	ug/Kg	01/28/15	CE	SW8081
d-BHC	ND	7.5	7.5	ug/Kg	01/28/15	CE	SW8081
Dieldrin	ND	3.7	3.7	ug/Kg	01/28/15	CE	SW8081
Endosulfan I	ND	7.5	7.5	ug/Kg	01/28/15	CE	SW8081
Endosulfan II	ND	7.5	7.5	ug/Kg	01/28/15	CE	SW8081
Endosulfan sulfate	ND	7.5	7.5	ug/Kg	01/28/15	CE	SW8081
Endrin	ND	7.5	7.5	ug/Kg	01/28/15	CE	SW8081
Endrin aldehyde	ND	7.5	7.5	ug/Kg	01/28/15	CE	SW8081
Endrin ketone	ND	7.5	7.5	ug/Kg	01/28/15	CE	SW8081
g-BHC	ND	1.5	1.5	ug/Kg	01/28/15	CE	SW8081
g-Chlordane	ND	3.7	3.7	ug/Kg	01/28/15	CE	SW8081
Heptachlor	ND	7.5	7.5	ug/Kg	01/28/15	CE	SW8081
Heptachlor epoxide	ND	7.5	7.5	ug/Kg	01/28/15	CE	SW8081
Methoxychlor	ND	37	37	ug/Kg	01/28/15	CE	SW8081
Toxaphene	ND	150	150	ug/Kg	01/28/15	CE	SW8081
QA/QC Surrogates							
% DCBP	119			%	01/28/15	CE	30 - 150 %
% TCMX	97			%	01/28/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	01/29/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	01/29/15	BB	SW8151
QA/QC Surrogates							
% DCAA	71			%	01/29/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	01/29/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	01/29/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	01/29/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	01/29/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	01/29/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	01/29/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	01/29/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	01/29/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	01/29/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	01/29/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	01/29/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	01/29/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	01/29/15	CE	SW 8081
Endrin	ND	1.0		ug/L	01/29/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	01/29/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	01/29/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	01/29/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	01/29/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	01/29/15	CE	SW 8081
Toxaphene	ND	20		ug/L	01/29/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	93			%	01/29/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	92			%	01/29/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	55	55	mg/Kg	01/28/15	JRB	DRO 8015C
QA/QC Surrogates							
% n-Pentacosane	72			%	01/28/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	01/28/15	MH	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	01/28/15	MH	SW8260
Benzene	ND	25	25	ug/L	01/28/15	MH	SW8260
Carbon tetrachloride	ND	25	25	ug/L	01/28/15	MH	SW8260
Chlorobenzene	ND	25	25	ug/L	01/28/15	MH	SW8260
Chloroform	ND	25	25	ug/L	01/28/15	MH	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	01/28/15	MH	SW8260
Tetrachloroethene	ND	25	25	ug/L	01/28/15	MH	SW8260
Trichloroethene	ND	25	25	ug/L	01/28/15	MH	SW8260
Vinyl chloride	ND	25	25	ug/L	01/28/15	MH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100			%	01/28/15	MH	70 - 130 %
% Bromofluorobenzene	100			%	01/28/15	MH	70 - 130 %
% Dibromofluoromethane	104			%	01/28/15	MH	70 - 130 %
% Toluene-d8	101			%	01/28/15	MH	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	260	110	ug/Kg	01/28/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	01/28/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	370	370	ug/Kg	01/28/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	260	170	ug/Kg	01/28/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	01/28/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	01/28/15	DD	SW 8270
2,4-Dichlorophenol	ND	150	130	ug/Kg	01/28/15	DD	SW 8270
2,4-Dimethylphenol	ND	260	91	ug/Kg	01/28/15	DD	SW 8270
2,4-Dinitrophenol	ND	260	260	ug/Kg	01/28/15	DD	SW 8270
2,4-Dinitrotoluene	ND	150	140	ug/Kg	01/28/15	DD	SW 8270
2,6-Dinitrotoluene	ND	150	120	ug/Kg	01/28/15	DD	SW 8270
2-Chloronaphthalene	ND	260	100	ug/Kg	01/28/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 52 2-3 COMP

Phoenix I.D.: BH67410

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		260	100	ug/Kg	01/28/15	DD	SW 8270	
2-Methylnaphthalene	160	J	260	110	ug/Kg	01/28/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		260	170	ug/Kg	01/28/15	DD	SW 8270	
2-Nitroaniline	ND		1800	370	ug/Kg	01/28/15	DD	SW 8270	
2-Nitrophenol	ND		260	230	ug/Kg	01/28/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		260	140	ug/Kg	01/28/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		150	170	ug/Kg	01/28/15	DD	SW 8270	
3-Nitroaniline	ND		1800	790	ug/Kg	01/28/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		260	390	ug/Kg	01/28/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		260	110	ug/Kg	01/28/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		260	130	ug/Kg	01/28/15	DD	SW 8270	
4-Chloroaniline	ND		730	170	ug/Kg	01/28/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		260	120	ug/Kg	01/28/15	DD	SW 8270	
4-Nitroaniline	ND		1800	120	ug/Kg	01/28/15	DD	SW 8270	
4-Nitrophenol	ND		1800	170	ug/Kg	01/28/15	DD	SW 8270	
Acenaphthene	140	J	260	110	ug/Kg	01/28/15	DD	SW 8270	
Acenaphthylene	170		150	100	ug/Kg	01/28/15	DD	SW 8270	
Acetophenone	ND		260	110	ug/Kg	01/28/15	DD	SW 8270	
Anthracene	350		260	120	ug/Kg	01/28/15	DD	SW 8270	
Atrazine	ND		150	160	ug/Kg	01/28/15	DD	SW 8270	
Benz(a)anthracene	1500		260	120	ug/Kg	01/28/15	DD	SW 8270	
Benzaldehyde	ND		260	110	ug/Kg	01/28/15	DD	SW 8270	
Benzidine	ND		550	550	ug/Kg	01/28/15	DD	SW 8270	
Benzo(a)pyrene	1300		150	120	ug/Kg	01/28/15	DD	SW 8270	
Benzo(b)fluoranthene	2200		260	120	ug/Kg	01/28/15	DD	SW 8270	
Benzo(ghi)perylene	390		260	120	ug/Kg	01/28/15	DD	SW 8270	
Benzo(k)fluoranthene	940		260	120	ug/Kg	01/28/15	DD	SW 8270	
Benzyl Alcohol	ND		370	370	ug/Kg	01/28/15	DD	SW 8270	
Benzyl butyl phthalate	ND		260	94	ug/Kg	01/28/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		260	100	ug/Kg	01/28/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		150	99	ug/Kg	01/28/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		260	100	ug/Kg	01/28/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		260	110	ug/Kg	01/28/15	DD	SW 8270	
Caprolactam	ND		260	650	ug/Kg	01/28/15	DD	SW 8270	
Carbazole	ND		1800	280	ug/Kg	01/28/15	DD	SW 8270	
Chrysene	1700		260	120	ug/Kg	01/28/15	DD	SW 8270	
Dibenz(a,h)anthracene	120	J	150	120	ug/Kg	01/28/15	DD	SW 8270	
Dibenzofuran	130	J	260	110	ug/Kg	01/28/15	DD	SW 8270	
Diethyl phthalate	ND		260	120	ug/Kg	01/28/15	DD	SW 8270	
Dimethylphthalate	ND		260	110	ug/Kg	01/28/15	DD	SW 8270	
Di-n-butylphthalate	ND		260	97	ug/Kg	01/28/15	DD	SW 8270	
Di-n-octylphthalate	ND		260	94	ug/Kg	01/28/15	DD	SW 8270	
Fluoranthene	2500		260	120	ug/Kg	01/28/15	DD	SW 8270	
Fluorene	150	J	260	120	ug/Kg	01/28/15	DD	SW 8270	
Hexachlorobenzene	ND		150	110	ug/Kg	01/28/15	DD	SW 8270	
Hexachlorobutadiene	ND		260	130	ug/Kg	01/28/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		260	110	ug/Kg	01/28/15	DD	SW 8270	
Hexachloroethane	ND		150	110	ug/Kg	01/28/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	500		260	120	ug/Kg	01/28/15	DD	SW 8270	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 52 2-3 COMP

Phoenix I.D.: BH67410

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND		150	100	ug/Kg	01/28/15	DD	SW 8270	
Naphthalene	140	J	260	110	ug/Kg	01/28/15	DD	SW 8270	
Nitrobenzene	ND		150	130	ug/Kg	01/28/15	DD	SW 8270	
N-Nitrosodimethylamine	ND		260	100	ug/Kg	01/28/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		150	120	ug/Kg	01/28/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND		150	140	ug/Kg	01/28/15	DD	SW 8270	
Pentachlorophenol	ND		260	140	ug/Kg	01/28/15	DD	SW 8270	
Phenanthrene	2500		150	100	ug/Kg	01/28/15	DD	SW 8270	
Phenol	ND		260	120	ug/Kg	01/28/15	DD	SW 8270	
Pyrene	2000		260	130	ug/Kg	01/28/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	91				%	01/28/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	73				%	01/28/15	DD	30 - 130 %	
% 2-Fluorophenol	62				%	01/28/15	DD	30 - 130 %	
% Nitrobenzene-d5	77				%	01/28/15	DD	30 - 130 %	
% Phenol-d5	67				%	01/28/15	DD	30 - 130 %	
% Terphenyl-d14	52				%	01/28/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral									
1,4-Dichlorobenzene	ND		83	83	ug/L	01/29/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND		83	83	ug/L	01/29/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND		83	83	ug/L	01/29/15	DD	SW 8270	
2,4-Dinitrotoluene	ND		83	83	ug/L	01/29/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		83	83	ug/L	01/29/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND		83	83	ug/L	01/29/15	DD	SW 8270	
Hexachlorobenzene	ND		83	83	ug/L	01/29/15	DD	SW 8270	
Hexachlorobutadiene	ND		83	83	ug/L	01/29/15	DD	SW 8270	
Hexachloroethane	ND		83	83	ug/L	01/29/15	DD	SW 8270	
Nitrobenzene	ND		83	83	ug/L	01/29/15	DD	SW 8270	
Pentachlorophenol	ND		83	83	ug/L	01/29/15	DD	SW 8270	
Pyridine	ND		83	83	ug/L	01/29/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	80				%	01/29/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	70				%	01/29/15	DD	30 - 130 %	
% 2-Fluorophenol	59				%	01/29/15	DD	15 - 110 %	
% Nitrobenzene-d5	76				%	01/29/15	DD	30 - 130 %	
% Phenol-d5	53				%	01/29/15	DD	15 - 110 %	
% Terphenyl-d14	87				%	01/29/15	DD	30 - 130 %	
Aniline	ND		330		ug/Kg	01/29/15	DD	SW8270	
Benzoic Acid	ND		330		ug/Kg	01/29/15	DD	SW8270	1
Parathion	ND		330		ug/Kg	01/29/15	DD	SW8270	1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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
January 30, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

January 30, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	01/26/15	8:10
Location Code:	IMPACT	Received by:	SW	01/26/15	17:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH67409
Phoenix ID: BH67411

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 56 4-5 GRAB

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	01/26/15	I	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	2.8	0.56	ug/Kg	01/28/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	2.8	0.56	ug/Kg	01/28/15	JLI	SW8260
1,3-Dichlorobenzene	ND	2.8	0.56	ug/Kg	01/28/15	JLI	SW8260
Naphthalene	ND	250	66	ug/Kg	01/28/15	JLI	SW8260
n-Butylbenzene	ND	250	49	ug/Kg	01/28/15	JLI	SW8260
n-Propylbenzene	ND	2.8	0.56	ug/Kg	01/28/15	JLI	SW8260
p-Isopropyltoluene	ND	2.8	0.56	ug/Kg	01/28/15	JLI	SW8260
sec-Butylbenzene	ND	2.8	0.56	ug/Kg	01/28/15	JLI	SW8260
tert-Butylbenzene	ND	2.8	0.56	ug/Kg	01/28/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99			%	01/28/15	JLI	SW8260
% Bromofluorobenzene	76			%	01/28/15	JLI	SW8260
% Dibromofluoromethane	104			%	01/28/15	JLI	SW8260
% Toluene-d8	96			%	01/28/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	56	56	ug/kg	01/28/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	2.8	0.56	ug/Kg	01/28/15	JLI	SW8260
1,1,1-Trichloroethane	ND	2.8	0.56	ug/Kg	01/28/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	2.8	0.40	ug/Kg	01/28/15	JLI	SW8260
1,1,2-Trichloroethane	ND	2.8	0.27	ug/Kg	01/28/15	JLI	SW8260
1,1-Dichloroethane	ND	2.8	0.55	ug/Kg	01/28/15	JLI	SW8260
1,1-Dichloroethene	ND	2.8	0.61	ug/Kg	01/28/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 56 4-5 GRAB

Phoenix I.D.: BH67411

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		250	33	ug/Kg	01/28/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		250	29	ug/Kg	01/28/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		80	66	ug/Kg	01/28/15	JLI	SW8260
1,2-Dibromoethane	ND		2.8	0.74	ug/Kg	01/28/15	JLI	SW8260
1,2-Dichlorobenzene	ND		250	27	ug/Kg	01/28/15	JLI	SW8260
1,2-Dichloroethane	ND		2.8	0.25	ug/Kg	01/28/15	JLI	SW8260
1,2-Dichloropropane	ND		2.8	0.40	ug/Kg	01/28/15	JLI	SW8260
1,3-Dichlorobenzene	ND		250	36	ug/Kg	01/28/15	JLI	SW8260
1,4-Dichlorobenzene	ND		250	39	ug/Kg	01/28/15	JLI	SW8260
2-Hexanone	ND		14	1.3	ug/Kg	01/28/15	JLI	SW8260
4-Methyl-2-pentanone	ND		14	0.67	ug/Kg	01/28/15	JLI	SW8260
Acetone	ND		28	2.8	ug/Kg	01/28/15	JLI	SW8260
Acrolein	ND		14	2.2	ug/Kg	01/28/15	JLI	SW8260
Acrylonitrile	ND		5.6	1.6	ug/Kg	01/28/15	JLI	SW8260
Benzene	ND		2.8	0.55	ug/Kg	01/28/15	JLI	SW8260
Bromochloromethane	ND		2.8	0.41	ug/Kg	01/28/15	JLI	SW8260
Bromodichloromethane	ND		2.8	0.35	ug/Kg	01/28/15	JLI	SW8260
Bromoform	ND		2.8	0.39	ug/Kg	01/28/15	JLI	SW8260
Bromomethane	ND		2.8	2.2	ug/Kg	01/28/15	JLI	SW8260
Carbon Disulfide	ND		2.8	0.45	ug/Kg	01/28/15	JLI	SW8260
Carbon tetrachloride	ND		2.8	0.32	ug/Kg	01/28/15	JLI	SW8260
Chlorobenzene	ND		2.8	0.41	ug/Kg	01/28/15	JLI	SW8260
Chloroethane	ND		2.8	0.66	ug/Kg	01/28/15	JLI	SW8260
Chloroform	ND		2.8	0.51	ug/Kg	01/28/15	JLI	SW8260
Chloromethane	ND		2.8	1.5	ug/Kg	01/28/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		2.8	0.61	ug/Kg	01/28/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		2.8	0.30	ug/Kg	01/28/15	JLI	SW8260
Cyclohexane	ND		2.8	2.8	ug/Kg	01/28/15	JLI	SW8260
Dibromochloromethane	ND		2.8	0.31	ug/Kg	01/28/15	JLI	SW8260
Dichlorodifluoromethane	ND		2.8	0.74	ug/Kg	01/28/15	JLI	SW8260
Ethylbenzene	ND		2.8	0.51	ug/Kg	01/28/15	JLI	SW8260
Isopropylbenzene	ND		250	47	ug/Kg	01/28/15	JLI	SW8260
m&p-Xylene	ND		2.8	1.1	ug/Kg	01/28/15	JLI	SW8260
Methyl ethyl ketone	ND		17	2.4	ug/Kg	01/28/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		5.6	0.77	ug/Kg	01/28/15	JLI	SW8260
Methylacetate	ND		2.8	2.8	ug/Kg	01/28/15	JLI	SW8260
Methylcyclohexane	ND		2.8	2.8	ug/Kg	01/28/15	JLI	SW8260
Methylene chloride	ND		2.8	0.46	ug/Kg	01/28/15	JLI	SW8260
o-Xylene	ND		2.8	1.1	ug/Kg	01/28/15	JLI	SW8260
Styrene	ND		2.8	0.81	ug/Kg	01/28/15	JLI	SW8260
tert-butyl alcohol	ND		56	56	ug/Kg	01/28/15	JLI	SW8260
Tetrachloroethene	ND		2.8	0.59	ug/Kg	01/28/15	JLI	SW8260
Toluene	0.52	J	2.8	0.44	ug/Kg	01/28/15	JLI	SW8260
Total Xylenes	ND		2.8	2.8	ug/Kg	01/28/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		2.8	0.56	ug/Kg	01/28/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		2.8	0.57	ug/Kg	01/28/15	JLI	SW8260
Trichloroethene	ND		2.8	0.59	ug/Kg	01/28/15	JLI	SW8260
Trichlorofluoromethane	ND		2.8	0.62	ug/Kg	01/28/15	JLI	SW8260
Trichlorotrifluoroethane	ND		2.8	0.44	ug/Kg	01/28/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 56 4-5 GRAB

Phoenix I.D.: BH67411

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	2.8	0.91	ug/Kg	01/28/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	01/28/15	JLI	70 - 130 %	
% Bromofluorobenzene	96			%	01/28/15	JLI	70 - 130 %	
% Dibromofluoromethane	104			%	01/28/15	JLI	70 - 130 %	
% Toluene-d8	96			%	01/28/15	JLI	70 - 130 %	
Vinyl Acetate	ND	28	28	ug/Kg	01/28/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

Volatile Comment:
There was a suppression of the last internal standard in the low level analysis, all affected compounds are reported from the methanol preserved high level analysis which did not exhibit this interference.

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

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

Phyllis Shiller, Laboratory Director
January 30, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

January 30, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	01/26/15	8:10
Location Code:	IMPACT	Received by:	SW	01/26/15	17:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH67409
Phoenix ID: BH67412

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 56 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Silver	< 0.42	0.42	0.42	mg/Kg	01/28/15	EK	SW6010	
Aluminum	1830	6.4	0.85	mg/Kg	01/28/15	EK	SW6010	
Arsenic	4.6	0.8	0.85	mg/Kg	01/28/15	EK	SW6010	
Barium	147	0.42	0.42	mg/Kg	01/28/15	EK	SW6010	
Beryllium	< 0.34	0.34	0.17	mg/Kg	01/28/15	EK	SW6010	
Calcium	9210	6.4	3.9	mg/Kg	01/28/15	EK	SW6010	
Cadmium	1.16	0.42	0.17	mg/Kg	01/28/15	EK	SW6010	
Cobalt	2.71	0.42	0.42	mg/Kg	01/28/15	EK	SW6010	
Chromium	9.58	0.42	0.42	mg/Kg	01/28/15	EK	SW6010	
Copper	27.1	0.42	0.42	mg/kg	01/28/15	EK	SW6010	
Iron	20200	64	42	mg/Kg	01/29/15	LK	SW6010	
Mercury	0.25	0.03	0.02	mg/Kg	01/28/15	RS	SW-7471	
Potassium	359	6.4	3.3	mg/Kg	01/28/15	EK	SW6010	
Magnesium	1030	6.4	4.2	mg/Kg	01/28/15	EK	SW6010	
Manganese	169	4.2	4.2	mg/Kg	01/28/15	EK	SW6010	
Sodium	128	6.4	3.6	mg/Kg	01/28/15	EK	SW6010	
Nickel	8.50	0.42	0.42	mg/Kg	01/28/15	EK	SW6010	
Lead	373	4.2	4.2	mg/Kg	01/28/15	EK	SW6010	
Antimony	< 4.2	4.2	2.1	mg/Kg	01/28/15	EK	SW6010	
Selenium	< 1.7	1.7	1.4	mg/Kg	01/28/15	EK	SW6010	
TCLP Silver	< 0.10	0.10	0.010	mg/L	01/28/15	EK	SW6010	
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	01/28/15	EK	SW6010	
TCLP Barium	1.22	0.10	0.010	mg/L	01/28/15	EK	SW6010	B
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	01/28/15	EK	SW6010	
TCLP Chromium	< 0.10	0.10	0.010	mg/L	01/28/15	EK	SW6010	
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	01/28/15	RS	SW7470	
TCLP Lead	9.85	0.10	0.010	mg/L	01/28/15	EK	SW6010	
TCLP Selenium	< 0.10	0.10	0.10	mg/L	01/28/15	EK	SW6010	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 56 COMP

Phoenix I.D.: BH67412

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.8	3.8	1.7	mg/Kg	01/28/15	EK	SW6010	
TCLP Metals Digestion	Completed				01/28/15	I/I	SW3005	
Trivalent Chromium	9.58	0.50		mg/kg	01/29/15	CL	Calculation	
Vanadium	6.04	0.42	0.42	mg/Kg	01/28/15	EK	SW6010	
Zinc	434	4.2	4.2	mg/Kg	01/28/15	EK	SW6010	
Percent Solid	83			%	01/26/15	I	SW846	
Corrosivity	Negative			Pos/Neg	01/26/15	DH/KDB	SW846	1
Flash Point	>200	200		degree F	01/28/15	Y	SW1010	
Chromium, Hexavalent	< 0.46	0.46	0.46	mg/Kg	01/29/15 09:42	CL	SW3060/7196	
Ignitability	Passed	140		degree F	01/28/15	Y	SW846	1
pH - Soil	8.45	0.10		pH Units	01/26/15 20:30	DH/KDB	4500-H B/9045	1
Reactivity Cyanide	< 5.9	5.9	0.030	mg/Kg	01/27/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	01/28/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	01/28/15	EG	SW 846-7.3	1
Redox Potential	320	1.0		mV	01/26/15	DH/KDB	SM2580B	1
Total Cyanide	4.60	0.60	0.30	mg/Kg	01/28/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				01/26/15	BJ/H	SW3545	
Soil Extraction for Pesticide	Completed				01/26/15	BJ	SW3545	
Soil Extraction for SVOA	Completed				01/26/15	TT/VH	SW3545	
Mercury Digestion	Completed				01/28/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				01/28/15	P/D	SW8151	
TCLP Digestion Mercury	Completed				01/28/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				01/28/15	WF/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				01/26/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				01/26/15	I	1311	
TCLP Pesticides Extraction	Completed				01/28/15	L	SW3510	
TCLP Semi-Volatile Extraction	Completed				01/28/15	L	SW3510	
TCLP Extraction Volatiles	Completed				01/26/15	Y	EPA 1311	
Total Metals Digest	Completed				01/26/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				01/26/15	BJ/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	50	50	ug/Kg	01/29/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	50	50	ug/Kg	01/29/15	BB	SW8151	
2,4-D	ND	50	50	ug/Kg	01/29/15	BB	SW8151	
2,4-DB	ND	500	500	ug/Kg	01/29/15	BB	SW8151	
Dalapon	ND	50	50	ug/Kg	01/29/15	BB	SW8151	
Dicamba	ND	99	99	ug/Kg	01/29/15	BB	SW8151	
Dichloroprop	ND	50	50	ug/Kg	01/29/15	BB	SW8151	
Dinoseb	ND	99	99	ug/Kg	01/29/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	68			%	01/29/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	80	80	ug/Kg	01/28/15	AW	SW 8082	
PCB-1221	ND	80	80	ug/Kg	01/28/15	AW	SW 8082	
PCB-1232	ND	80	80	ug/Kg	01/28/15	AW	SW 8082	
PCB-1242	ND	80	80	ug/Kg	01/28/15	AW	SW 8082	
PCB-1248	ND	80	80	ug/Kg	01/28/15	AW	SW 8082	
PCB-1254	ND	80	80	ug/Kg	01/28/15	AW	SW 8082	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	80	80	ug/Kg	01/28/15	AW	SW 8082
PCB-1262	ND	80	80	ug/Kg	01/28/15	AW	SW 8082
PCB-1268	ND	80	80	ug/Kg	01/28/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	74			%	01/28/15	AW	30 - 150 %
% TCMX	79			%	01/28/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.4	2.4	ug/Kg	01/28/15	CE	SW8081
4,4' -DDE	ND	2.4	2.4	ug/Kg	01/28/15	CE	SW8081
4,4' -DDT	ND	2.4	2.4	ug/Kg	01/28/15	CE	SW8081
a-BHC	ND	8.0	8.0	ug/Kg	01/28/15	CE	SW8081
a-Chlordane	ND	4.0	4.0	ug/Kg	01/28/15	CE	SW8081
Aldrin	ND	4.0	4.0	ug/Kg	01/28/15	CE	SW8081
b-BHC	ND	8.0	8.0	ug/Kg	01/28/15	CE	SW8081
Chlordane	ND	40	40	ug/Kg	01/28/15	CE	SW8081
d-BHC	ND	8.0	8.0	ug/Kg	01/28/15	CE	SW8081
Dieldrin	ND	4.0	4.0	ug/Kg	01/28/15	CE	SW8081
Endosulfan I	ND	8.0	8.0	ug/Kg	01/28/15	CE	SW8081
Endosulfan II	ND	8.0	8.0	ug/Kg	01/28/15	CE	SW8081
Endosulfan sulfate	ND	8.0	8.0	ug/Kg	01/28/15	CE	SW8081
Endrin	ND	8.0	8.0	ug/Kg	01/28/15	CE	SW8081
Endrin aldehyde	ND	8.0	8.0	ug/Kg	01/28/15	CE	SW8081
Endrin ketone	ND	8.0	8.0	ug/Kg	01/28/15	CE	SW8081
g-BHC	ND	1.6	1.6	ug/Kg	01/28/15	CE	SW8081
g-Chlordane	ND	4.0	4.0	ug/Kg	01/28/15	CE	SW8081
Heptachlor	ND	8.0	8.0	ug/Kg	01/28/15	CE	SW8081
Heptachlor epoxide	ND	8.0	8.0	ug/Kg	01/28/15	CE	SW8081
Methoxychlor	ND	40	40	ug/Kg	01/28/15	CE	SW8081
Toxaphene	ND	160	160	ug/Kg	01/28/15	CE	SW8081
QA/QC Surrogates							
% DCBP	83			%	01/28/15	CE	30 - 150 %
% TCMX	91			%	01/28/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	01/29/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	01/29/15	BB	SW8151
QA/QC Surrogates							
% DCAA	81			%	01/29/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	01/29/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	01/29/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	01/29/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	01/29/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	01/29/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	01/29/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	01/29/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	01/29/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	01/29/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	01/29/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	01/29/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	01/29/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	01/29/15	CE	SW 8081
Endrin	ND	1.0		ug/L	01/29/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	01/29/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	01/29/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	01/29/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	01/29/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	01/29/15	CE	SW 8081
Toxaphene	ND	20		ug/L	01/29/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	89			%	01/29/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	93			%	01/29/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	59	59	mg/Kg	01/28/15	JRB	DRO 8015C
QA/QC Surrogates							
% n-Pentacosane	70			%	01/28/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	01/28/15	MH	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	01/28/15	MH	SW8260
Benzene	ND	25	25	ug/L	01/28/15	MH	SW8260
Carbon tetrachloride	ND	25	25	ug/L	01/28/15	MH	SW8260
Chlorobenzene	ND	25	25	ug/L	01/28/15	MH	SW8260
Chloroform	ND	25	25	ug/L	01/28/15	MH	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	01/28/15	MH	SW8260
Tetrachloroethene	ND	25	25	ug/L	01/28/15	MH	SW8260
Trichloroethene	ND	25	25	ug/L	01/28/15	MH	SW8260
Vinyl chloride	ND	25	25	ug/L	01/28/15	MH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101			%	01/28/15	MH	70 - 130 %
% Bromofluorobenzene	100			%	01/28/15	MH	70 - 130 %
% Dibromofluoromethane	104			%	01/28/15	MH	70 - 130 %
% Toluene-d8	100			%	01/28/15	MH	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	280	120	ug/Kg	01/28/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	280	140	ug/Kg	01/28/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	400	400	ug/Kg	01/28/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	280	190	ug/Kg	01/28/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	280	220	ug/Kg	01/28/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	160	130	ug/Kg	01/28/15	DD	SW 8270
2,4-Dichlorophenol	ND	160	140	ug/Kg	01/28/15	DD	SW 8270
2,4-Dimethylphenol	ND	280	98	ug/Kg	01/28/15	DD	SW 8270
2,4-Dinitrophenol	ND	280	280	ug/Kg	01/28/15	DD	SW 8270
2,4-Dinitrotoluene	ND	160	160	ug/Kg	01/28/15	DD	SW 8270
2,6-Dinitrotoluene	ND	160	130	ug/Kg	01/28/15	DD	SW 8270
2-Chloronaphthalene	ND	280	110	ug/Kg	01/28/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 56 COMP

Phoenix I.D.: BH67412

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		280	110	ug/Kg	01/28/15	DD	SW 8270	
2-Methylnaphthalene	250	J	280	120	ug/Kg	01/28/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		280	190	ug/Kg	01/28/15	DD	SW 8270	
2-Nitroaniline	ND		2000	400	ug/Kg	01/28/15	DD	SW 8270	
2-Nitrophenol	ND		280	250	ug/Kg	01/28/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		280	160	ug/Kg	01/28/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		160	190	ug/Kg	01/28/15	DD	SW 8270	
3-Nitroaniline	ND		2000	860	ug/Kg	01/28/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		280	430	ug/Kg	01/28/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		280	120	ug/Kg	01/28/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		280	140	ug/Kg	01/28/15	DD	SW 8270	
4-Chloroaniline	ND		790	180	ug/Kg	01/28/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		280	130	ug/Kg	01/28/15	DD	SW 8270	
4-Nitroaniline	ND		2000	130	ug/Kg	01/28/15	DD	SW 8270	
4-Nitrophenol	ND		2000	180	ug/Kg	01/28/15	DD	SW 8270	
Acenaphthene	ND		280	120	ug/Kg	01/28/15	DD	SW 8270	
Acenaphthylene	ND		160	110	ug/Kg	01/28/15	DD	SW 8270	
Acetophenone	ND		280	120	ug/Kg	01/28/15	DD	SW 8270	
Anthracene	ND		280	130	ug/Kg	01/28/15	DD	SW 8270	
Atrazine	ND		160	180	ug/Kg	01/28/15	DD	SW 8270	
Benz(a)anthracene	240	J	280	130	ug/Kg	01/28/15	DD	SW 8270	
Benzaldehyde	ND		280	120	ug/Kg	01/28/15	DD	SW 8270	
Benzidine	ND		600	600	ug/Kg	01/28/15	DD	SW 8270	
Benzo(a)pyrene	210		160	130	ug/Kg	01/28/15	DD	SW 8270	
Benzo(b)fluoranthene	340		280	140	ug/Kg	01/28/15	DD	SW 8270	
Benzo(ghi)perylene	ND		280	130	ug/Kg	01/28/15	DD	SW 8270	
Benzo(k)fluoranthene	150	J	280	130	ug/Kg	01/28/15	DD	SW 8270	
Benzyl Alcohol	ND		400	400	ug/Kg	01/28/15	DD	SW 8270	
Benzyl butyl phthalate	ND		280	100	ug/Kg	01/28/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		280	110	ug/Kg	01/28/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		160	110	ug/Kg	01/28/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		280	110	ug/Kg	01/28/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		280	110	ug/Kg	01/28/15	DD	SW 8270	
Caprolactam	ND		280	710	ug/Kg	01/28/15	DD	SW 8270	
Carbazole	ND		2000	300	ug/Kg	01/28/15	DD	SW 8270	
Chrysene	270	J	280	130	ug/Kg	01/28/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		160	130	ug/Kg	01/28/15	DD	SW 8270	
Dibenzofuran	ND		280	120	ug/Kg	01/28/15	DD	SW 8270	
Diethyl phthalate	ND		280	130	ug/Kg	01/28/15	DD	SW 8270	
Dimethylphthalate	ND		280	120	ug/Kg	01/28/15	DD	SW 8270	
Di-n-butylphthalate	ND		280	110	ug/Kg	01/28/15	DD	SW 8270	
Di-n-octylphthalate	ND		280	100	ug/Kg	01/28/15	DD	SW 8270	
Fluoranthene	330		280	130	ug/Kg	01/28/15	DD	SW 8270	
Fluorene	ND		280	130	ug/Kg	01/28/15	DD	SW 8270	
Hexachlorobenzene	ND		160	120	ug/Kg	01/28/15	DD	SW 8270	
Hexachlorobutadiene	ND		280	140	ug/Kg	01/28/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		280	120	ug/Kg	01/28/15	DD	SW 8270	
Hexachloroethane	ND		160	120	ug/Kg	01/28/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND		280	130	ug/Kg	01/28/15	DD	SW 8270	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND		160	110	ug/Kg	01/28/15	DD	SW 8270	
Naphthalene	160	J	280	110	ug/Kg	01/28/15	DD	SW 8270	
Nitrobenzene	ND		160	140	ug/Kg	01/28/15	DD	SW 8270	
N-Nitrosodimethylamine	ND		280	110	ug/Kg	01/28/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		160	130	ug/Kg	01/28/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND		160	150	ug/Kg	01/28/15	DD	SW 8270	
Pentachlorophenol	ND		280	150	ug/Kg	01/28/15	DD	SW 8270	
Phenanthrene	390		160	110	ug/Kg	01/28/15	DD	SW 8270	
Phenol	ND		280	130	ug/Kg	01/28/15	DD	SW 8270	
Pyrene	340		280	140	ug/Kg	01/28/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	87				%	01/28/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	70				%	01/28/15	DD	30 - 130 %	
% 2-Fluorophenol	63				%	01/28/15	DD	30 - 130 %	
% Nitrobenzene-d5	76				%	01/28/15	DD	30 - 130 %	
% Phenol-d5	67				%	01/28/15	DD	30 - 130 %	
% Terphenyl-d14	57				%	01/28/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral									
1,4-Dichlorobenzene	ND		83	83	ug/L	01/29/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND		83	83	ug/L	01/29/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND		83	83	ug/L	01/29/15	DD	SW 8270	
2,4-Dinitrotoluene	ND		83	83	ug/L	01/29/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		83	83	ug/L	01/29/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND		83	83	ug/L	01/29/15	DD	SW 8270	
Hexachlorobenzene	ND		83	83	ug/L	01/29/15	DD	SW 8270	
Hexachlorobutadiene	ND		83	83	ug/L	01/29/15	DD	SW 8270	
Hexachloroethane	ND		83	83	ug/L	01/29/15	DD	SW 8270	
Nitrobenzene	ND		83	83	ug/L	01/29/15	DD	SW 8270	
Pentachlorophenol	ND		83	83	ug/L	01/29/15	DD	SW 8270	
Pyridine	ND		83	83	ug/L	01/29/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	89				%	01/29/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	71				%	01/29/15	DD	30 - 130 %	
% 2-Fluorophenol	60				%	01/29/15	DD	15 - 110 %	
% Nitrobenzene-d5	77				%	01/29/15	DD	30 - 130 %	
% Phenol-d5	53				%	01/29/15	DD	15 - 110 %	
% Terphenyl-d14	76				%	01/29/15	DD	30 - 130 %	
Aniline	ND		330		ug/Kg	01/29/15	DD	SW8270	
Benzoic Acid	ND		330		ug/Kg	01/29/15	DD	SW8270	1
Parathion	ND		330		ug/Kg	01/29/15	DD	SW8270	1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters at this time.
B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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
January 30, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

January 30, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	01/26/15	10:20
Location Code:	IMPACT	Received by:	SW	01/26/15	17:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH67409
Phoenix ID: BH67413

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 53 6-7 GRAB

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	01/26/15	I	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	2.6	0.51	ug/Kg	01/28/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	2.6	0.51	ug/Kg	01/28/15	JLI	SW8260
1,3-Dichlorobenzene	ND	2.6	0.51	ug/Kg	01/28/15	JLI	SW8260
Naphthalene	ND	2.6	0.68	ug/Kg	01/28/15	JLI	SW8260
n-Butylbenzene	ND	2.6	0.51	ug/Kg	01/28/15	JLI	SW8260
n-Propylbenzene	ND	2.6	0.51	ug/Kg	01/28/15	JLI	SW8260
p-Isopropyltoluene	ND	2.6	0.51	ug/Kg	01/28/15	JLI	SW8260
sec-Butylbenzene	ND	2.6	0.51	ug/Kg	01/28/15	JLI	SW8260
tert-Butylbenzene	ND	2.6	0.51	ug/Kg	01/28/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	103			%	01/28/15	JLI	SW8260
% Bromofluorobenzene	94			%	01/28/15	JLI	SW8260
% Dibromofluoromethane	102			%	01/28/15	JLI	SW8260
% Toluene-d8	100			%	01/28/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	51	51	ug/kg	01/28/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	2.6	0.51	ug/Kg	01/28/15	JLI	SW8260
1,1,1-Trichloroethane	ND	2.6	0.51	ug/Kg	01/28/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	2.6	0.36	ug/Kg	01/28/15	JLI	SW8260
1,1,2-Trichloroethane	ND	2.6	0.25	ug/Kg	01/28/15	JLI	SW8260
1,1-Dichloroethane	ND	2.6	0.50	ug/Kg	01/28/15	JLI	SW8260
1,1-Dichloroethene	ND	2.6	0.56	ug/Kg	01/28/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 53 6-7 GRAB

Phoenix I.D.: BH67413

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND	2.6	0.34	ug/Kg	01/28/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND	2.6	0.30	ug/Kg	01/28/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND	2.6	0.68	ug/Kg	01/28/15	JLI	SW8260
1,2-Dibromoethane	ND	2.6	0.68	ug/Kg	01/28/15	JLI	SW8260
1,2-Dichlorobenzene	ND	2.6	0.28	ug/Kg	01/28/15	JLI	SW8260
1,2-Dichloroethane	ND	2.6	0.22	ug/Kg	01/28/15	JLI	SW8260
1,2-Dichloropropane	ND	2.6	0.36	ug/Kg	01/28/15	JLI	SW8260
1,3-Dichlorobenzene	ND	2.6	0.38	ug/Kg	01/28/15	JLI	SW8260
1,4-Dichlorobenzene	ND	2.6	0.40	ug/Kg	01/28/15	JLI	SW8260
2-Hexanone	ND	13	1.1	ug/Kg	01/28/15	JLI	SW8260
4-Methyl-2-pentanone	ND	13	0.61	ug/Kg	01/28/15	JLI	SW8260
Acetone	ND	26	2.5	ug/Kg	01/28/15	JLI	SW8260
Acrolein	ND	13	2.0	ug/Kg	01/28/15	JLI	SW8260
Acrylonitrile	ND	5.1	1.4	ug/Kg	01/28/15	JLI	SW8260
Benzene	ND	2.6	0.50	ug/Kg	01/28/15	JLI	SW8260
Bromochloromethane	ND	2.6	0.37	ug/Kg	01/28/15	JLI	SW8260
Bromodichloromethane	ND	2.6	0.32	ug/Kg	01/28/15	JLI	SW8260
Bromoform	ND	2.6	0.36	ug/Kg	01/28/15	JLI	SW8260
Bromomethane	ND	2.6	2.0	ug/Kg	01/28/15	JLI	SW8260
Carbon Disulfide	ND	2.6	0.41	ug/Kg	01/28/15	JLI	SW8260
Carbon tetrachloride	ND	2.6	0.30	ug/Kg	01/28/15	JLI	SW8260
Chlorobenzene	ND	2.6	0.38	ug/Kg	01/28/15	JLI	SW8260
Chloroethane	ND	2.6	0.60	ug/Kg	01/28/15	JLI	SW8260
Chloroform	ND	2.6	0.46	ug/Kg	01/28/15	JLI	SW8260
Chloromethane	ND	2.6	1.3	ug/Kg	01/28/15	JLI	SW8260
cis-1,2-Dichloroethene	ND	2.6	0.56	ug/Kg	01/28/15	JLI	SW8260
cis-1,3-Dichloropropene	ND	2.6	0.28	ug/Kg	01/28/15	JLI	SW8260
Cyclohexane	ND	2.6	2.6	ug/Kg	01/28/15	JLI	SW8260
Dibromochloromethane	ND	2.6	0.29	ug/Kg	01/28/15	JLI	SW8260
Dichlorodifluoromethane	ND	2.6	0.68	ug/Kg	01/28/15	JLI	SW8260
Ethylbenzene	ND	2.6	0.46	ug/Kg	01/28/15	JLI	SW8260
Isopropylbenzene	ND	2.6	0.49	ug/Kg	01/28/15	JLI	SW8260
m&p-Xylene	ND	2.6	1.0	ug/Kg	01/28/15	JLI	SW8260
Methyl ethyl ketone	ND	15	2.2	ug/Kg	01/28/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND	5.1	0.70	ug/Kg	01/28/15	JLI	SW8260
Methylacetate	ND	2.6	2.6	ug/Kg	01/28/15	JLI	SW8260
Methylcyclohexane	ND	2.6	2.6	ug/Kg	01/28/15	JLI	SW8260
Methylene chloride	ND	2.6	0.42	ug/Kg	01/28/15	JLI	SW8260
o-Xylene	ND	2.6	0.97	ug/Kg	01/28/15	JLI	SW8260
Styrene	ND	2.6	0.73	ug/Kg	01/28/15	JLI	SW8260
tert-butyl alcohol	ND	51	51	ug/Kg	01/28/15	JLI	SW8260
Tetrachloroethene	ND	2.6	0.54	ug/Kg	01/28/15	JLI	SW8260
Toluene	ND	2.6	0.40	ug/Kg	01/28/15	JLI	SW8260
Total Xylenes	ND	2.6	2.6	ug/Kg	01/28/15	JLI	SW8260
trans-1,2-Dichloroethene	ND	2.6	0.51	ug/Kg	01/28/15	JLI	SW8260
trans-1,3-Dichloropropene	ND	2.6	0.52	ug/Kg	01/28/15	JLI	SW8260
Trichloroethene	ND	2.6	0.54	ug/Kg	01/28/15	JLI	SW8260
Trichlorofluoromethane	ND	2.6	0.57	ug/Kg	01/28/15	JLI	SW8260
Trichlorotrifluoroethane	ND	2.6	0.40	ug/Kg	01/28/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 53 6-7 GRAB

Phoenix I.D.: BH67413

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	2.6	0.83	ug/Kg	01/28/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	103			%	01/28/15	JLI	70 - 130 %	
% Bromofluorobenzene	91			%	01/28/15	JLI	70 - 130 %	
% Dibromofluoromethane	102			%	01/28/15	JLI	70 - 130 %	
% Toluene-d8	100			%	01/28/15	JLI	70 - 130 %	
Vinyl Acetate	ND	26	26	ug/Kg	01/28/15	JLI	SW8260TIC	1

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

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

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

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
January 30, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

January 30, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	01/26/15	10:20
Location Code:	IMPACT	Received by:	SW	01/26/15	17:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH67409
Phoenix ID: BH67414

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 53 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.38	0.38	0.38	mg/Kg	01/28/15	EK	SW6010
Aluminum	3180	57	7.7	mg/Kg	01/28/15	EK	SW6010
Arsenic	3.2	0.8	0.77	mg/Kg	01/28/15	EK	SW6010
Barium	71.1	0.38	0.38	mg/Kg	01/28/15	EK	SW6010
Beryllium	< 0.31	0.31	0.15	mg/Kg	01/28/15	EK	SW6010
Calcium	6780	57	35	mg/Kg	01/28/15	EK	SW6010
Cadmium	< 0.38	0.38	0.15	mg/Kg	01/28/15	EK	SW6010
Cobalt	3.31	0.38	0.38	mg/Kg	01/28/15	EK	SW6010
Chromium	14.0	0.38	0.38	mg/Kg	01/28/15	EK	SW6010
Copper	32.6	0.38	0.38	mg/kg	01/28/15	EK	SW6010
Iron	6280	57	38	mg/Kg	01/29/15	LK	SW6010
Mercury	0.22	0.03	0.02	mg/Kg	01/28/15	RS	SW-7471
Potassium	568	57	30	mg/Kg	01/28/15	EK	SW6010
Magnesium	2630	5.7	3.8	mg/Kg	01/28/15	EK	SW6010
Manganese	102	3.8	3.8	mg/Kg	01/28/15	EK	SW6010
Sodium	355	5.7	3.3	mg/Kg	01/28/15	EK	SW6010
Nickel	9.04	0.38	0.38	mg/Kg	01/28/15	EK	SW6010
Lead	161	3.8	3.8	mg/Kg	01/28/15	EK	SW6010
Antimony	< 3.8	3.8	1.9	mg/Kg	01/28/15	EK	SW6010
Selenium	< 1.5	1.5	1.3	mg/Kg	01/28/15	EK	SW6010
TCLP Silver	< 0.10	0.10	0.010	mg/L	01/28/15	EK	SW6010
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	01/28/15	EK	SW6010
TCLP Barium	1.05	0.10	0.010	mg/L	01/28/15	EK	SW6010
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	01/29/15	LK	SW6010
TCLP Chromium	< 0.10	0.10	0.010	mg/L	01/28/15	EK	SW6010
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	01/28/15	RS	SW7470
TCLP Lead	0.64	0.10	0.010	mg/L	01/29/15	LK	SW6010
TCLP Selenium	< 0.10	0.10	0.10	mg/L	01/29/15	LK	SW6010

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 53 COMP

Phoenix I.D.: BH67414

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.4	3.4	1.5	mg/Kg	01/28/15	EK	SW6010	
TCLP Metals Digestion	Completed				01/28/15	I/I	SW3005	
Trivalent Chromium	14.0	0.50		mg/kg	01/29/15	CL	Calculation	
Vanadium	14.2	0.38	0.38	mg/Kg	01/28/15	EK	SW6010	
Zinc	160	3.8	3.8	mg/Kg	01/28/15	EK	SW6010	
Percent Solid	92			%	01/26/15	I	SW846	
Corrosivity	Negative			Pos/Neg	01/26/15	DH/KDB	SW846	1
Flash Point	>200	200		degree F	01/28/15	Y	SW1010	
Chromium, Hexavalent	< 0.43	0.43	0.43	mg/Kg	01/29/15 09:42	CL	SW3060/7196	
Ignitability	Passed	140		degree F	01/28/15	Y	SW846	1
pH - Soil	9.51	0.10		pH Units	01/26/15 20:30	DH/KDB	4500-H B/9045	1
Reactivity Cyanide	< 5.4	5.4	0.027	mg/Kg	01/27/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	01/28/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	01/28/15	EG	SW 846-7.3	1
Redox Potential	210	1.0		mV	01/26/15	DH/KDB	SM2580B	1
Total Cyanide	< 0.49	0.49	0.25	mg/Kg	01/28/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				01/26/15	BJ/H	SW3545	
Soil Extraction for Pesticide	Completed				01/26/15	BJ	SW3545	
Soil Extraction for SVOA	Completed				01/26/15	BJ/VH	SW3545	
Mercury Digestion	Completed				01/28/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				01/28/15	P/D	SW8151	
TCLP Digestion Mercury	Completed				01/28/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				01/28/15	WF/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				01/26/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				01/26/15	I	1311	
TCLP Pesticides Extraction	Completed				01/28/15	L	SW3510	
TCLP Semi-Volatile Extraction	Completed				01/28/15	L	SW3510	
TCLP Extraction Volatiles	Completed				01/26/15	Y	EPA 1311	
Total Metals Digest	Completed				01/26/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				01/26/15	BJ/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	45	45	ug/Kg	01/29/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	45	45	ug/Kg	01/29/15	BB	SW8151	
2,4-D	ND	45	45	ug/Kg	01/29/15	BB	SW8151	
2,4-DB	ND	450	450	ug/Kg	01/29/15	BB	SW8151	
Dalapon	ND	45	45	ug/Kg	01/29/15	BB	SW8151	
Dicamba	ND	89	89	ug/Kg	01/29/15	BB	SW8151	
Dichloroprop	ND	45	45	ug/Kg	01/29/15	BB	SW8151	
Dinoseb	ND	89	89	ug/Kg	01/29/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	62			%	01/29/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	71	71	ug/Kg	01/28/15	AW	SW 8082	
PCB-1221	ND	71	71	ug/Kg	01/28/15	AW	SW 8082	
PCB-1232	ND	71	71	ug/Kg	01/28/15	AW	SW 8082	
PCB-1242	ND	71	71	ug/Kg	01/28/15	AW	SW 8082	
PCB-1248	ND	71	71	ug/Kg	01/28/15	AW	SW 8082	
PCB-1254	ND	71	71	ug/Kg	01/28/15	AW	SW 8082	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	71	71	ug/Kg	01/28/15	AW	SW 8082
PCB-1262	ND	71	71	ug/Kg	01/28/15	AW	SW 8082
PCB-1268	ND	71	71	ug/Kg	01/28/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	80			%	01/28/15	AW	30 - 150 %
% TCMX	82			%	01/28/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.1	2.1	ug/Kg	01/28/15	CE	SW8081
4,4' -DDE	ND	2.1	2.1	ug/Kg	01/28/15	CE	SW8081
4,4' -DDT	ND	2.1	2.1	ug/Kg	01/28/15	CE	SW8081
a-BHC	ND	7.1	7.1	ug/Kg	01/28/15	CE	SW8081
a-Chlordane	ND	3.6	3.6	ug/Kg	01/28/15	CE	SW8081
Aldrin	ND	3.6	3.6	ug/Kg	01/28/15	CE	SW8081
b-BHC	ND	7.1	7.1	ug/Kg	01/28/15	CE	SW8081
Chlordane	ND	36	36	ug/Kg	01/28/15	CE	SW8081
d-BHC	ND	7.1	7.1	ug/Kg	01/28/15	CE	SW8081
Dieldrin	ND	3.6	3.6	ug/Kg	01/28/15	CE	SW8081
Endosulfan I	ND	7.1	7.1	ug/Kg	01/28/15	CE	SW8081
Endosulfan II	ND	7.1	7.1	ug/Kg	01/28/15	CE	SW8081
Endosulfan sulfate	ND	7.1	7.1	ug/Kg	01/28/15	CE	SW8081
Endrin	ND	7.1	7.1	ug/Kg	01/28/15	CE	SW8081
Endrin aldehyde	ND	7.1	7.1	ug/Kg	01/28/15	CE	SW8081
Endrin ketone	ND	7.1	7.1	ug/Kg	01/28/15	CE	SW8081
g-BHC	ND	1.4	1.4	ug/Kg	01/28/15	CE	SW8081
g-Chlordane	ND	3.6	3.6	ug/Kg	01/28/15	CE	SW8081
Heptachlor	ND	7.1	7.1	ug/Kg	01/28/15	CE	SW8081
Heptachlor epoxide	ND	7.1	7.1	ug/Kg	01/28/15	CE	SW8081
Methoxychlor	ND	36	36	ug/Kg	01/28/15	CE	SW8081
Toxaphene	ND	140	140	ug/Kg	01/28/15	CE	SW8081
QA/QC Surrogates							
% DCBP	109			%	01/28/15	CE	30 - 150 %
% TCMX	96			%	01/28/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	01/29/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	01/29/15	BB	SW8151
QA/QC Surrogates							
% DCAA	78			%	01/29/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	01/29/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	01/29/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	01/29/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	01/29/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	01/29/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	01/29/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	01/29/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	01/29/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	01/29/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	01/29/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	01/29/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	01/29/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	01/29/15	CE	SW 8081
Endrin	ND	1.0		ug/L	01/29/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	01/29/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	01/29/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	01/29/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	01/29/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	01/29/15	CE	SW 8081
Toxaphene	ND	20		ug/L	01/29/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	92			%	01/29/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	97			%	01/29/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	53	53	mg/Kg	01/28/15	JRB	DRO 8015C
QA/QC Surrogates							
% n-Pentacosane	73			%	01/28/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	01/28/15	MH	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	01/28/15	MH	SW8260
Benzene	ND	25	25	ug/L	01/28/15	MH	SW8260
Carbon tetrachloride	ND	25	25	ug/L	01/28/15	MH	SW8260
Chlorobenzene	ND	25	25	ug/L	01/28/15	MH	SW8260
Chloroform	ND	25	25	ug/L	01/28/15	MH	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	01/28/15	MH	SW8260
Tetrachloroethene	ND	25	25	ug/L	01/28/15	MH	SW8260
Trichloroethene	ND	25	25	ug/L	01/28/15	MH	SW8260
Vinyl chloride	ND	25	25	ug/L	01/28/15	MH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102			%	01/28/15	MH	70 - 130 %
% Bromofluorobenzene	98			%	01/28/15	MH	70 - 130 %
% Dibromofluoromethane	103			%	01/28/15	MH	70 - 130 %
% Toluene-d8	101			%	01/28/15	MH	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	500	220	ug/Kg	01/28/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	500	250	ug/Kg	01/28/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	710	710	ug/Kg	01/28/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	500	330	ug/Kg	01/28/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	500	390	ug/Kg	01/28/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	280	230	ug/Kg	01/28/15	DD	SW 8270
2,4-Dichlorophenol	ND	280	250	ug/Kg	01/28/15	DD	SW 8270
2,4-Dimethylphenol	ND	500	180	ug/Kg	01/28/15	DD	SW 8270
2,4-Dinitrophenol	ND	500	500	ug/Kg	01/28/15	DD	SW 8270
2,4-Dinitrotoluene	ND	280	280	ug/Kg	01/28/15	DD	SW 8270
2,6-Dinitrotoluene	ND	280	230	ug/Kg	01/28/15	DD	SW 8270
2-Chloronaphthalene	ND	500	200	ug/Kg	01/28/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 53 COMP

Phoenix I.D.: BH67414

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		500	200	ug/Kg	01/28/15	DD	SW 8270	
2-Methylnaphthalene	ND		500	210	ug/Kg	01/28/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		500	330	ug/Kg	01/28/15	DD	SW 8270	
2-Nitroaniline	ND		3600	720	ug/Kg	01/28/15	DD	SW 8270	
2-Nitrophenol	ND		500	450	ug/Kg	01/28/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		500	280	ug/Kg	01/28/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		280	340	ug/Kg	01/28/15	DD	SW 8270	
3-Nitroaniline	ND		3600	1500	ug/Kg	01/28/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		500	770	ug/Kg	01/28/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		500	210	ug/Kg	01/28/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		500	250	ug/Kg	01/28/15	DD	SW 8270	
4-Chloroaniline	ND		1400	330	ug/Kg	01/28/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		500	240	ug/Kg	01/28/15	DD	SW 8270	
4-Nitroaniline	ND		3600	240	ug/Kg	01/28/15	DD	SW 8270	
4-Nitrophenol	ND		3600	320	ug/Kg	01/28/15	DD	SW 8270	
Acenaphthene	ND		500	220	ug/Kg	01/28/15	DD	SW 8270	
Acenaphthylene	ND		280	200	ug/Kg	01/28/15	DD	SW 8270	
Acetophenone	ND		500	220	ug/Kg	01/28/15	DD	SW 8270	
Anthracene	ND		500	230	ug/Kg	01/28/15	DD	SW 8270	
Atrazine	ND		280	320	ug/Kg	01/28/15	DD	SW 8270	
Benz(a)anthracene	270	J	500	240	ug/Kg	01/28/15	DD	SW 8270	
Benzaldehyde	ND		500	210	ug/Kg	01/28/15	DD	SW 8270	
Benzidine	ND		1100	1100	ug/Kg	01/28/15	DD	SW 8270	
Benzo(a)pyrene	270	J	280	230	ug/Kg	01/28/15	DD	SW 8270	
Benzo(b)fluoranthene	430	J	500	240	ug/Kg	01/28/15	DD	SW 8270	
Benzo(ghi)perylene	ND		500	230	ug/Kg	01/28/15	DD	SW 8270	
Benzo(k)fluoranthene	ND		500	240	ug/Kg	01/28/15	DD	SW 8270	
Benzyl Alcohol	ND		710	710	ug/Kg	01/28/15	DD	SW 8270	
Benzyl butyl phthalate	ND		500	180	ug/Kg	01/28/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		500	200	ug/Kg	01/28/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		280	190	ug/Kg	01/28/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		500	200	ug/Kg	01/28/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		500	210	ug/Kg	01/28/15	DD	SW 8270	
Caprolactam	ND		500	1300	ug/Kg	01/28/15	DD	SW 8270	
Carbazole	ND		3600	540	ug/Kg	01/28/15	DD	SW 8270	
Chrysene	300	J	500	240	ug/Kg	01/28/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		280	230	ug/Kg	01/28/15	DD	SW 8270	
Dibenzofuran	ND		500	210	ug/Kg	01/28/15	DD	SW 8270	
Diethyl phthalate	ND		500	230	ug/Kg	01/28/15	DD	SW 8270	
Dimethylphthalate	ND		500	220	ug/Kg	01/28/15	DD	SW 8270	
Di-n-butylphthalate	ND		500	190	ug/Kg	01/28/15	DD	SW 8270	
Di-n-octylphthalate	ND		500	180	ug/Kg	01/28/15	DD	SW 8270	
Fluoranthene	370	J	500	230	ug/Kg	01/28/15	DD	SW 8270	
Fluorene	ND		500	240	ug/Kg	01/28/15	DD	SW 8270	
Hexachlorobenzene	ND		280	210	ug/Kg	01/28/15	DD	SW 8270	
Hexachlorobutadiene	ND		500	260	ug/Kg	01/28/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		500	220	ug/Kg	01/28/15	DD	SW 8270	
Hexachloroethane	ND		280	210	ug/Kg	01/28/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND		500	240	ug/Kg	01/28/15	DD	SW 8270	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 53 COMP

Phoenix I.D.: BH67414

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND		280	200	ug/Kg	01/28/15	DD	SW 8270	
Naphthalene	ND		500	210	ug/Kg	01/28/15	DD	SW 8270	
Nitrobenzene	ND		280	250	ug/Kg	01/28/15	DD	SW 8270	
N-Nitrosodimethylamine	ND		500	200	ug/Kg	01/28/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		280	230	ug/Kg	01/28/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND		280	270	ug/Kg	01/28/15	DD	SW 8270	
Pentachlorophenol	ND		500	270	ug/Kg	01/28/15	DD	SW 8270	
Phenanthrene	ND		280	200	ug/Kg	01/28/15	DD	SW 8270	
Phenol	ND		500	230	ug/Kg	01/28/15	DD	SW 8270	
Pyrene	320	J	500	250	ug/Kg	01/28/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	84				%	01/28/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	76				%	01/28/15	DD	30 - 130 %	
% 2-Fluorophenol	69				%	01/28/15	DD	30 - 130 %	
% Nitrobenzene-d5	80				%	01/28/15	DD	30 - 130 %	
% Phenol-d5	64				%	01/28/15	DD	30 - 130 %	
% Terphenyl-d14	66				%	01/28/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral									
1,4-Dichlorobenzene	ND		83	83	ug/L	01/29/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND		83	83	ug/L	01/29/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND		83	83	ug/L	01/29/15	DD	SW 8270	
2,4-Dinitrotoluene	ND		83	83	ug/L	01/29/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		83	83	ug/L	01/29/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND		83	83	ug/L	01/29/15	DD	SW 8270	
Hexachlorobenzene	ND		83	83	ug/L	01/29/15	DD	SW 8270	
Hexachlorobutadiene	ND		83	83	ug/L	01/29/15	DD	SW 8270	
Hexachloroethane	ND		83	83	ug/L	01/29/15	DD	SW 8270	
Nitrobenzene	ND		83	83	ug/L	01/29/15	DD	SW 8270	
Pentachlorophenol	ND		83	83	ug/L	01/29/15	DD	SW 8270	
Pyridine	ND		83	83	ug/L	01/29/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	87				%	01/29/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	71				%	01/29/15	DD	30 - 130 %	
% 2-Fluorophenol	61				%	01/29/15	DD	15 - 110 %	
% Nitrobenzene-d5	81				%	01/29/15	DD	30 - 130 %	
% Phenol-d5	54				%	01/29/15	DD	15 - 110 %	
% Terphenyl-d14	75				%	01/29/15	DD	30 - 130 %	
Aniline	ND		330		ug/Kg	01/29/15	DD	SW8270	
Benzoic Acid	ND		330		ug/Kg	01/29/15	DD	SW8270	1
Parathion	ND		330		ug/Kg	01/29/15	DD	SW8270	1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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
January 30, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

January 30, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	01/26/15	11:00
Location Code:	IMPACT	Received by:	SW	01/26/15	17:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH67409
Phoenix ID: BH67415

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 54 3-4 GRAB

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Percent Solid	100			%	01/26/15	I	SW846
Volatiles							
1,2,4-Trimethylbenzene	ND	2.3	0.45	ug/Kg	01/28/15	JLI	SW8260
1,3,5-Trimethylbenzene	ND	2.3	0.45	ug/Kg	01/28/15	JLI	SW8260
1,3-Dichlorobenzene	ND	2.3	0.45	ug/Kg	01/28/15	JLI	SW8260
Naphthalene	ND	2.3	0.60	ug/Kg	01/28/15	JLI	SW8260
n-Butylbenzene	ND	2.3	0.45	ug/Kg	01/28/15	JLI	SW8260
n-Propylbenzene	ND	2.3	0.45	ug/Kg	01/28/15	JLI	SW8260
p-Isopropyltoluene	ND	2.3	0.45	ug/Kg	01/28/15	JLI	SW8260
sec-Butylbenzene	ND	2.3	0.45	ug/Kg	01/28/15	JLI	SW8260
tert-Butylbenzene	ND	2.3	0.45	ug/Kg	01/28/15	JLI	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	106			%	01/28/15	JLI	SW8260
% Bromofluorobenzene	90			%	01/28/15	JLI	SW8260
% Dibromofluoromethane	99			%	01/28/15	JLI	SW8260
% Toluene-d8	101			%	01/28/15	JLI	SW8260
1,4-dioxane							
1,4-dioxane	ND	45	45	ug/kg	01/28/15	JLI	SW8260B
Volatiles							
1,1,1,2-Tetrachloroethane	ND	2.3	0.45	ug/Kg	01/28/15	JLI	SW8260
1,1,1-Trichloroethane	ND	2.3	0.45	ug/Kg	01/28/15	JLI	SW8260
1,1,2,2-Tetrachloroethane	ND	2.3	0.32	ug/Kg	01/28/15	JLI	SW8260
1,1,2-Trichloroethane	ND	2.3	0.22	ug/Kg	01/28/15	JLI	SW8260
1,1-Dichloroethane	ND	2.3	0.45	ug/Kg	01/28/15	JLI	SW8260
1,1-Dichloroethene	ND	2.3	0.49	ug/Kg	01/28/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 54 3-4 GRAB

Phoenix I.D.: BH67415

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
1,2,3-Trichlorobenzene	ND		2.3	0.30	ug/Kg	01/28/15	JLI	SW8260
1,2,4-Trichlorobenzene	ND		2.3	0.27	ug/Kg	01/28/15	JLI	SW8260
1,2-Dibromo-3-chloropropane	ND		2.3	0.60	ug/Kg	01/28/15	JLI	SW8260
1,2-Dibromoethane	ND		2.3	0.60	ug/Kg	01/28/15	JLI	SW8260
1,2-Dichlorobenzene	ND		2.3	0.25	ug/Kg	01/28/15	JLI	SW8260
1,2-Dichloroethane	ND		2.3	0.20	ug/Kg	01/28/15	JLI	SW8260
1,2-Dichloropropane	ND		2.3	0.32	ug/Kg	01/28/15	JLI	SW8260
1,3-Dichlorobenzene	ND		2.3	0.33	ug/Kg	01/28/15	JLI	SW8260
1,4-Dichlorobenzene	ND		2.3	0.36	ug/Kg	01/28/15	JLI	SW8260
2-Hexanone	ND		11	1.0	ug/Kg	01/28/15	JLI	SW8260
4-Methyl-2-pentanone	ND		11	0.54	ug/Kg	01/28/15	JLI	SW8260
Acetone	ND		23	2.2	ug/Kg	01/28/15	JLI	SW8260
Acrolein	ND		11	1.8	ug/Kg	01/28/15	JLI	SW8260
Acrylonitrile	ND		4.5	1.3	ug/Kg	01/28/15	JLI	SW8260
Benzene	ND		2.3	0.45	ug/Kg	01/28/15	JLI	SW8260
Bromochloromethane	ND		2.3	0.33	ug/Kg	01/28/15	JLI	SW8260
Bromodichloromethane	ND		2.3	0.28	ug/Kg	01/28/15	JLI	SW8260
Bromoform	ND		2.3	0.32	ug/Kg	01/28/15	JLI	SW8260
Bromomethane	ND		2.3	1.7	ug/Kg	01/28/15	JLI	SW8260
Carbon Disulfide	ND		2.3	0.36	ug/Kg	01/28/15	JLI	SW8260
Carbon tetrachloride	ND		2.3	0.26	ug/Kg	01/28/15	JLI	SW8260
Chlorobenzene	ND		2.3	0.33	ug/Kg	01/28/15	JLI	SW8260
Chloroethane	ND		2.3	0.53	ug/Kg	01/28/15	JLI	SW8260
Chloroform	0.55	J	2.3	0.41	ug/Kg	01/28/15	JLI	SW8260
Chloromethane	ND		2.3	1.2	ug/Kg	01/28/15	JLI	SW8260
cis-1,2-Dichloroethene	ND		2.3	0.49	ug/Kg	01/28/15	JLI	SW8260
cis-1,3-Dichloropropene	ND		2.3	0.24	ug/Kg	01/28/15	JLI	SW8260
Cyclohexane	ND		2.3	2.3	ug/Kg	01/28/15	JLI	SW8260
Dibromochloromethane	ND		2.3	0.25	ug/Kg	01/28/15	JLI	SW8260
Dichlorodifluoromethane	ND		2.3	0.60	ug/Kg	01/28/15	JLI	SW8260
Ethylbenzene	ND		2.3	0.41	ug/Kg	01/28/15	JLI	SW8260
Isopropylbenzene	ND		2.3	0.43	ug/Kg	01/28/15	JLI	SW8260
m&p-Xylene	ND		2.3	0.89	ug/Kg	01/28/15	JLI	SW8260
Methyl ethyl ketone	ND		14	2.0	ug/Kg	01/28/15	JLI	SW8260
Methyl t-butyl ether (MTBE)	ND		4.5	0.62	ug/Kg	01/28/15	JLI	SW8260
Methylacetate	ND		2.3	2.3	ug/Kg	01/28/15	JLI	SW8260
Methylcyclohexane	ND		2.3	2.3	ug/Kg	01/28/15	JLI	SW8260
Methylene chloride	ND		2.3	0.37	ug/Kg	01/28/15	JLI	SW8260
o-Xylene	ND		2.3	0.86	ug/Kg	01/28/15	JLI	SW8260
Styrene	ND		2.3	0.65	ug/Kg	01/28/15	JLI	SW8260
tert-butyl alcohol	ND		45	45	ug/Kg	01/28/15	JLI	SW8260
Tetrachloroethene	ND		2.3	0.47	ug/Kg	01/28/15	JLI	SW8260
Toluene	ND		2.3	0.36	ug/Kg	01/28/15	JLI	SW8260
Total Xylenes	ND		2.3	2.3	ug/Kg	01/28/15	JLI	SW8260
trans-1,2-Dichloroethene	ND		2.3	0.45	ug/Kg	01/28/15	JLI	SW8260
trans-1,3-Dichloropropene	ND		2.3	0.46	ug/Kg	01/28/15	JLI	SW8260
Trichloroethene	ND		2.3	0.48	ug/Kg	01/28/15	JLI	SW8260
Trichlorofluoromethane	ND		2.3	0.50	ug/Kg	01/28/15	JLI	SW8260
Trichlorotrifluoroethane	ND		2.3	0.35	ug/Kg	01/28/15	JLI	SW8260

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 54 3-4 GRAB

Phoenix I.D.: BH67415

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Vinyl chloride	ND	2.3	0.73	ug/Kg	01/28/15	JLI	SW8260	
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	106			%	01/28/15	JLI	70 - 130 %	
% Bromofluorobenzene	87			%	01/28/15	JLI	70 - 130 %	
% Dibromofluoromethane	99			%	01/28/15	JLI	70 - 130 %	
% Toluene-d8	101			%	01/28/15	JLI	70 - 130 %	
Vinyl Acetate	ND	23	23	ug/Kg	01/28/15	JLI	SW8260TIC	1

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

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

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
January 30, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

January 30, 2015

FOR: Attn: Xin Yuan
Impact Environmental
170 Keyland Court
Bohemia NY 11716

Sample Information		Custody Information		Date	Time
Matrix:	SOLID	Collected by:	XY	01/26/15	11:00
Location Code:	IMPACT	Received by:	SW	01/26/15	17:10
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GBH67409
Phoenix ID: BH67416

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 54 COMP

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Silver	< 0.37	0.37	0.37	mg/Kg	01/28/15	EK	SW6010
Aluminum	2110	56	7.5	mg/Kg	01/28/15	EK	SW6010
Arsenic	2.1	0.7	0.75	mg/Kg	01/28/15	EK	SW6010
Barium	40.8	0.37	0.37	mg/Kg	01/28/15	EK	SW6010
Beryllium	< 0.30	0.30	0.15	mg/Kg	01/28/15	EK	SW6010
Calcium	775	5.6	3.4	mg/Kg	01/28/15	EK	SW6010
Cadmium	0.37	0.37	0.15	mg/Kg	01/28/15	EK	SW6010
Cobalt	2.17	0.37	0.37	mg/Kg	01/28/15	EK	SW6010
Chromium	6.77	0.37	0.37	mg/Kg	01/28/15	EK	SW6010
Copper	17.9	0.37	0.37	mg/kg	01/28/15	EK	SW6010
Iron	10400	56	37	mg/Kg	01/29/15	LK	SW6010
Mercury	0.85	0.03	0.02	mg/Kg	01/28/15	RS	SW-7471
Potassium	293	5.6	2.9	mg/Kg	01/28/15	EK	SW6010
Magnesium	815	5.6	3.7	mg/Kg	01/28/15	EK	SW6010
Manganese	94.8	0.37	0.37	mg/Kg	01/28/15	EK	SW6010
Sodium	55.8	5.6	3.2	mg/Kg	01/28/15	EK	SW6010
Nickel	8.46	0.37	0.37	mg/Kg	01/28/15	EK	SW6010
Lead	91.6	0.37	0.37	mg/Kg	01/28/15	EK	SW6010
Antimony	< 3.7	3.7	1.9	mg/Kg	01/28/15	EK	SW6010
Selenium	< 1.5	1.5	1.3	mg/Kg	01/28/15	EK	SW6010
TCLP Silver	< 0.10	0.10	0.010	mg/L	01/28/15	EK	SW6010
TCLP Arsenic	< 0.10	0.10	0.040	mg/L	01/28/15	EK	SW6010
TCLP Barium	0.67	0.10	0.010	mg/L	01/28/15	EK	SW6010
TCLP Cadmium	< 0.050	0.050	0.0050	mg/L	01/29/15	LK	SW6010
TCLP Chromium	< 0.10	0.10	0.010	mg/L	01/28/15	EK	SW6010
TCLP Mercury	< 0.0002	0.0002	0.00015	mg/L	01/28/15	RS	SW7470
TCLP Lead	0.78	0.10	0.010	mg/L	01/29/15	LK	SW6010
TCLP Selenium	< 0.10	0.10	0.10	mg/L	01/29/15	LK	SW6010

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 54 COMP

Phoenix I.D.: BH67416

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Thallium	< 3.4	3.4	1.5	mg/Kg	01/28/15	EK	SW6010	
TCLP Metals Digestion	Completed				01/28/15	I/I	SW3005	
Trivalent Chromium	6.77	0.37	0.37	mg/kg			Calculation	
Vanadium	6.50	0.37	0.37	mg/Kg	01/28/15	EK	SW6010	
Zinc	103	3.7	3.7	mg/Kg	01/28/15	EK	SW6010	
Percent Solid	88			%	01/26/15	I	SW846	
Corrosivity	Negative			Pos/Neg	01/26/15	DH/KDB	SW846	1
Flash Point	>200	200		degree F	01/28/15	Y	SW1010	
Chromium, Hexavalent	< 0.45	0.45	0.45	mg/Kg	01/28/15 10:46	KDB	SW3060/7196	
Ignitability	Passed	140		degree F	01/28/15	Y	SW846	1
pH - Soil	8.97	0.10		pH Units	01/26/15 20:30	DH/KDB	4500-H B/9045	1
Reactivity Cyanide	< 5.7	5.7	0.028	mg/Kg	01/27/15	O/B/E	SW 846-7.3	1
Reactivity Sulfide	< 20	20		mg/Kg	01/28/15	EG	SW846-7.3	1
Reactivity	Negative			Pos/Neg	01/28/15	EG	SW 846-7.3	1
Redox Potential	140	1.0		mV	01/26/15	DH/KDB	SM2580B	1
Total Cyanide	< 0.57	0.57	0.28	mg/Kg	01/28/15	O/B/E	SW 9010/9012	
Soil Extraction for PCB	Completed				01/26/15	BJ/H	SW3545	
Soil Extraction for Pesticide	Completed				01/26/15	BJ	SW3545	
Soil Extraction for SVOA	Completed				01/26/15	TT/VH	SW3545	
Mercury Digestion	Completed				01/28/15	I/I	SW7471	
Soil Extraction for Herbicide	Completed				01/28/15	P/D	SW8151	
TCLP Digestion Mercury	Completed				01/28/15	I/I	E1311/7470	
TCLP Herbicides Extraction	Completed				01/28/15	WF/D	SW8150 Mod	
TCLP Extraction for Metals	Completed				01/26/15	I	EPA 1311	
TCLP Extraction for Organics	Completed				01/26/15	I	1311	
TCLP Pesticides Extraction	Completed				01/28/15	L	SW3510	
TCLP Semi-Volatile Extraction	Completed				01/28/15	L	SW3510	
TCLP Extraction Volatiles	Completed				01/26/15	Y	EPA 1311	
Total Metals Digest	Completed				01/26/15	CB/AG	SW846 - 3050	
Extraction of TPH SM	Completed				01/26/15	BJ/V	3545/3550	
Chlorinated Herbicides								
2,4,5-T	ND	47	47	ug/Kg	01/29/15	BB	SW8151	
2,4,5-TP (Silvex)	ND	47	47	ug/Kg	01/29/15	BB	SW8151	
2,4-D	ND	47	47	ug/Kg	01/29/15	BB	SW8151	
2,4-DB	ND	470	470	ug/Kg	01/29/15	BB	SW8151	
Dalapon	ND	47	47	ug/Kg	01/29/15	BB	SW8151	
Dicamba	ND	94	94	ug/Kg	01/29/15	BB	SW8151	
Dichloroprop	ND	47	47	ug/Kg	01/29/15	BB	SW8151	
Dinoseb	ND	94	94	ug/Kg	01/29/15	BB	SW8151	
QA/QC Surrogates								
% DCAA	62			%	01/29/15	BB	30 - 150 %	
Polychlorinated Biphenyls								
PCB-1016	ND	76	76	ug/Kg	01/28/15	AW	SW 8082	
PCB-1221	ND	76	76	ug/Kg	01/28/15	AW	SW 8082	
PCB-1232	ND	76	76	ug/Kg	01/28/15	AW	SW 8082	
PCB-1242	ND	76	76	ug/Kg	01/28/15	AW	SW 8082	
PCB-1248	ND	76	76	ug/Kg	01/28/15	AW	SW 8082	
PCB-1254	ND	76	76	ug/Kg	01/28/15	AW	SW 8082	

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 54 COMP

Phoenix I.D.: BH67416

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
PCB-1260	ND	76	76	ug/Kg	01/28/15	AW	SW 8082
PCB-1262	ND	76	76	ug/Kg	01/28/15	AW	SW 8082
PCB-1268	ND	76	76	ug/Kg	01/28/15	AW	SW 8082
QA/QC Surrogates							
% DCBP	77			%	01/28/15	AW	30 - 150 %
% TCMX	79			%	01/28/15	AW	30 - 150 %
Pesticides - Soil							
4,4' -DDD	ND	2.3	2.3	ug/Kg	01/28/15	CE	SW8081
4,4' -DDE	ND	2.3	2.3	ug/Kg	01/28/15	CE	SW8081
4,4' -DDT	ND	2.3	2.3	ug/Kg	01/28/15	CE	SW8081
a-BHC	ND	7.6	7.6	ug/Kg	01/28/15	CE	SW8081
a-Chlordane	ND	3.8	3.8	ug/Kg	01/28/15	CE	SW8081
Aldrin	ND	3.8	3.8	ug/Kg	01/28/15	CE	SW8081
b-BHC	ND	7.6	7.6	ug/Kg	01/28/15	CE	SW8081
Chlordane	ND	38	38	ug/Kg	01/28/15	CE	SW8081
d-BHC	ND	7.6	7.6	ug/Kg	01/28/15	CE	SW8081
Dieldrin	ND	3.8	3.8	ug/Kg	01/28/15	CE	SW8081
Endosulfan I	ND	7.6	7.6	ug/Kg	01/28/15	CE	SW8081
Endosulfan II	ND	7.6	7.6	ug/Kg	01/28/15	CE	SW8081
Endosulfan sulfate	ND	7.6	7.6	ug/Kg	01/28/15	CE	SW8081
Endrin	ND	7.6	7.6	ug/Kg	01/28/15	CE	SW8081
Endrin aldehyde	ND	7.6	7.6	ug/Kg	01/28/15	CE	SW8081
Endrin ketone	ND	7.6	7.6	ug/Kg	01/28/15	CE	SW8081
g-BHC	ND	1.5	1.5	ug/Kg	01/28/15	CE	SW8081
g-Chlordane	ND	3.8	3.8	ug/Kg	01/28/15	CE	SW8081
Heptachlor	ND	7.6	7.6	ug/Kg	01/28/15	CE	SW8081
Heptachlor epoxide	ND	7.6	7.6	ug/Kg	01/28/15	CE	SW8081
Methoxychlor	ND	38	38	ug/Kg	01/28/15	CE	SW8081
Toxaphene	ND	150	150	ug/Kg	01/28/15	CE	SW8081
QA/QC Surrogates							
% DCBP	88			%	01/28/15	CE	30 - 150 %
% TCMX	92			%	01/28/15	CE	30 - 150 %
TCLP Herbicides							
2,4,5-TP (Silvex)	ND	4.2	4.2	ug/L	01/29/15	BB	SW8151
2,4-D	ND	4.2	4.2	ug/L	01/29/15	BB	SW8151
QA/QC Surrogates							
% DCAA	74			%	01/29/15	BB	30 - 150 %
TCLP Pesticides							
4,4' -DDD	ND	1.0		ug/L	01/29/15	CE	SW 8081
4,4' -DDE	ND	1.0		ug/L	01/29/15	CE	SW 8081
4,4' -DDT	ND	1.0		ug/L	01/29/15	CE	SW 8081
a-BHC	ND	0.50		ug/L	01/29/15	CE	SW 8081
Alachlor	ND	0.50		ug/L	01/29/15	CE	SW 8081 1
Aldrin	ND	0.50		ug/L	01/29/15	CE	SW 8081
b-BHC	ND	0.50		ug/L	01/29/15	CE	SW 8081
Chlordane	ND	5.0	5.0	ug/L	01/29/15	CE	SW 8081
d-BHC	ND	0.50		ug/L	01/29/15	CE	SW 8081

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference
Dieldrin	ND	1.0		ug/L	01/29/15	CE	SW 8081
Endosulfan I	ND	0.50		ug/L	01/29/15	CE	SW 8081
Endosulfan II	ND	1.0		ug/L	01/29/15	CE	SW 8081
Endosulfan Sulfate	ND	1.0		ug/L	01/29/15	CE	SW 8081
Endrin	ND	1.0		ug/L	01/29/15	CE	SW 8081
Endrin Aldehyde	ND	1.0		ug/L	01/29/15	CE	SW 8081
g-BHC (Lindane)	ND	0.50		ug/L	01/29/15	CE	SW 8081
Heptachlor	ND	0.50		ug/L	01/29/15	CE	SW 8081
Heptachlor epoxide	ND	0.50		ug/L	01/29/15	CE	SW 8081
Methoxychlor	ND	0.50		ug/L	01/29/15	CE	SW 8081
Toxaphene	ND	20		ug/L	01/29/15	CE	SW 8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	103			%	01/29/15	CE	30 - 150 %
%TCMX (Surrogate Rec)	101			%	01/29/15	CE	30 - 150 %
TPH (C10-C28) Extractable Products							
Diesel Range Organics (DRO)	ND	56	56	mg/Kg	01/28/15	JRB	DRO 8015C
QA/QC Surrogates							
% n-Pentacosane	65			%	01/28/15	JRB	50 - 150 %
TCLP Volatiles							
1,1-Dichloroethene	ND	25	25	ug/L	01/28/15	MH	SW8260
1,2-Dichloroethane	ND	25	25	ug/L	01/28/15	MH	SW8260
Benzene	ND	25	25	ug/L	01/28/15	MH	SW8260
Carbon tetrachloride	ND	25	25	ug/L	01/28/15	MH	SW8260
Chlorobenzene	ND	25	25	ug/L	01/28/15	MH	SW8260
Chloroform	ND	25	25	ug/L	01/28/15	MH	SW8260
Methyl ethyl ketone	ND	25	25	ug/L	01/28/15	MH	SW8260
Tetrachloroethene	ND	25	25	ug/L	01/28/15	MH	SW8260
Trichloroethene	ND	25	25	ug/L	01/28/15	MH	SW8260
Vinyl chloride	ND	25	25	ug/L	01/28/15	MH	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99			%	01/28/15	MH	70 - 130 %
% Bromofluorobenzene	98			%	01/28/15	MH	70 - 130 %
% Dibromofluoromethane	103			%	01/28/15	MH	70 - 130 %
% Toluene-d8	100			%	01/28/15	MH	70 - 130 %
Semivolatiles							
1,1-Biphenyl	ND	260	110	ug/Kg	01/28/15	DD	SW 8270
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	01/28/15	DD	SW 8270
1,2-Diphenylhydrazine	ND	370	370	ug/Kg	01/28/15	DD	SW 8270
2,3,4,6-tetrachlorophenol	ND	260	170	ug/Kg	01/28/15	DD	SW 8270
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	01/28/15	DD	SW 8270
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	01/28/15	DD	SW 8270
2,4-Dichlorophenol	ND	150	130	ug/Kg	01/28/15	DD	SW 8270
2,4-Dimethylphenol	ND	260	91	ug/Kg	01/28/15	DD	SW 8270
2,4-Dinitrophenol	ND	260	260	ug/Kg	01/28/15	DD	SW 8270
2,4-Dinitrotoluene	ND	150	140	ug/Kg	01/28/15	DD	SW 8270
2,6-Dinitrotoluene	ND	150	120	ug/Kg	01/28/15	DD	SW 8270
2-Chloronaphthalene	ND	260	100	ug/Kg	01/28/15	DD	SW 8270

Project ID: SW MARINE TRANSFER STATION
Client ID: WC 54 COMP

Phoenix I.D.: BH67416

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
2-Chlorophenol	ND		260	100	ug/Kg	01/28/15	DD	SW 8270	
2-Methylnaphthalene	ND		260	110	ug/Kg	01/28/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		260	170	ug/Kg	01/28/15	DD	SW 8270	
2-Nitroaniline	ND		1800	370	ug/Kg	01/28/15	DD	SW 8270	
2-Nitrophenol	ND		260	230	ug/Kg	01/28/15	DD	SW 8270	
3&4-Methylphenol (m&p-cresol)	ND		260	140	ug/Kg	01/28/15	DD	SW 8270	1
3,3'-Dichlorobenzidine	ND		150	170	ug/Kg	01/28/15	DD	SW 8270	
3-Nitroaniline	ND		1800	800	ug/Kg	01/28/15	DD	SW 8270	
4,6-Dinitro-2-methylphenol	ND		260	400	ug/Kg	01/28/15	DD	SW 8270	
4-Bromophenyl phenyl ether	ND		260	110	ug/Kg	01/28/15	DD	SW 8270	
4-Chloro-3-methylphenol	ND		260	130	ug/Kg	01/28/15	DD	SW 8270	
4-Chloroaniline	ND		740	170	ug/Kg	01/28/15	DD	SW 8270	
4-Chlorophenyl phenyl ether	ND		260	120	ug/Kg	01/28/15	DD	SW 8270	
4-Nitroaniline	ND		1800	120	ug/Kg	01/28/15	DD	SW 8270	
4-Nitrophenol	ND		1800	170	ug/Kg	01/28/15	DD	SW 8270	
Acenaphthene	ND		260	110	ug/Kg	01/28/15	DD	SW 8270	
Acenaphthylene	ND		150	100	ug/Kg	01/28/15	DD	SW 8270	
Acetophenone	ND		260	110	ug/Kg	01/28/15	DD	SW 8270	
Anthracene	ND		260	120	ug/Kg	01/28/15	DD	SW 8270	
Atrazine	ND		150	160	ug/Kg	01/28/15	DD	SW 8270	
Benz(a)anthracene	ND		260	120	ug/Kg	01/28/15	DD	SW 8270	
Benzaldehyde	ND		260	110	ug/Kg	01/28/15	DD	SW 8270	
Benzidine	ND		550	550	ug/Kg	01/28/15	DD	SW 8270	
Benzo(a)pyrene	ND		150	120	ug/Kg	01/28/15	DD	SW 8270	
Benzo(b)fluoranthene	130	J	260	130	ug/Kg	01/28/15	DD	SW 8270	
Benzo(ghi)perylene	ND		260	120	ug/Kg	01/28/15	DD	SW 8270	
Benzo(k)fluoranthene	ND		260	120	ug/Kg	01/28/15	DD	SW 8270	
Benzyl Alcohol	ND		370	370	ug/Kg	01/28/15	DD	SW 8270	
Benzyl butyl phthalate	ND		260	95	ug/Kg	01/28/15	DD	SW 8270	
Bis(2-chloroethoxy)methane	ND		260	100	ug/Kg	01/28/15	DD	SW 8270	
Bis(2-chloroethyl)ether	ND		150	99	ug/Kg	01/28/15	DD	SW 8270	
Bis(2-chloroisopropyl)ether	ND		260	100	ug/Kg	01/28/15	DD	SW 8270	1
Bis(2-ethylhexyl)phthalate	ND		260	110	ug/Kg	01/28/15	DD	SW 8270	
Caprolactam	ND		260	660	ug/Kg	01/28/15	DD	SW 8270	
Carbazole	ND		1800	280	ug/Kg	01/28/15	DD	SW 8270	
Chrysene	ND		260	120	ug/Kg	01/28/15	DD	SW 8270	
Dibenz(a,h)anthracene	ND		150	120	ug/Kg	01/28/15	DD	SW 8270	
Dibenzofuran	ND		260	110	ug/Kg	01/28/15	DD	SW 8270	
Diethyl phthalate	ND		260	120	ug/Kg	01/28/15	DD	SW 8270	
Dimethylphthalate	ND		260	110	ug/Kg	01/28/15	DD	SW 8270	
Di-n-butylphthalate	ND		260	98	ug/Kg	01/28/15	DD	SW 8270	
Di-n-octylphthalate	ND		260	95	ug/Kg	01/28/15	DD	SW 8270	
Fluoranthene	150	J	260	120	ug/Kg	01/28/15	DD	SW 8270	
Fluorene	ND		260	120	ug/Kg	01/28/15	DD	SW 8270	
Hexachlorobenzene	ND		150	110	ug/Kg	01/28/15	DD	SW 8270	
Hexachlorobutadiene	ND		260	130	ug/Kg	01/28/15	DD	SW 8270	
Hexachlorocyclopentadiene	ND		260	110	ug/Kg	01/28/15	DD	SW 8270	
Hexachloroethane	ND		150	110	ug/Kg	01/28/15	DD	SW 8270	
Indeno(1,2,3-cd)pyrene	ND		260	120	ug/Kg	01/28/15	DD	SW 8270	

Parameter	Result		RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference	
Isophorone	ND		150	100	ug/Kg	01/28/15	DD	SW 8270	
Naphthalene	ND		260	110	ug/Kg	01/28/15	DD	SW 8270	
Nitrobenzene	ND		150	130	ug/Kg	01/28/15	DD	SW 8270	
N-Nitrosodimethylamine	ND		260	100	ug/Kg	01/28/15	DD	SW 8270	
N-Nitrosodi-n-propylamine	ND		150	120	ug/Kg	01/28/15	DD	SW 8270	
N-Nitrosodiphenylamine	ND		150	140	ug/Kg	01/28/15	DD	SW 8270	
Pentachlorophenol	ND		260	140	ug/Kg	01/28/15	DD	SW 8270	
Phenanthrene	110	J	150	110	ug/Kg	01/28/15	DD	SW 8270	
Phenol	ND		260	120	ug/Kg	01/28/15	DD	SW 8270	
Pyrene	140	J	260	130	ug/Kg	01/28/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	70				%	01/28/15	DD	30 - 130 %	
% 2-Fluorobiphenyl	51				%	01/28/15	DD	30 - 130 %	
% 2-Fluorophenol	46				%	01/28/15	DD	30 - 130 %	
% Nitrobenzene-d5	53				%	01/28/15	DD	30 - 130 %	
% Phenol-d5	47				%	01/28/15	DD	30 - 130 %	
% Terphenyl-d14	52				%	01/28/15	DD	30 - 130 %	
TCLP Acid/Base-Neutral									
1,4-Dichlorobenzene	ND		83	83	ug/L	01/29/15	DD	SW 8270	
2,4,5-Trichlorophenol	ND		83	83	ug/L	01/29/15	DD	SW 8270	
2,4,6-Trichlorophenol	ND		83	83	ug/L	01/29/15	DD	SW 8270	
2,4-Dinitrotoluene	ND		83	83	ug/L	01/29/15	DD	SW 8270	
2-Methylphenol (o-cresol)	ND		83	83	ug/L	01/29/15	DD	SW 8270	
3&4-Methylphenol (m&p-Cresol)	ND		83	83	ug/L	01/29/15	DD	SW 8270	
Hexachlorobenzene	ND		83	83	ug/L	01/29/15	DD	SW 8270	
Hexachlorobutadiene	ND		83	83	ug/L	01/29/15	DD	SW 8270	
Hexachloroethane	ND		83	83	ug/L	01/29/15	DD	SW 8270	
Nitrobenzene	ND		83	83	ug/L	01/29/15	DD	SW 8270	
Pentachlorophenol	ND		83	83	ug/L	01/29/15	DD	SW 8270	
Pyridine	ND		83	83	ug/L	01/29/15	DD	SW 8270	
QA/QC Surrogates									
% 2,4,6-Tribromophenol	85				%	01/29/15	DD	15 - 110 %	
% 2-Fluorobiphenyl	75				%	01/29/15	DD	30 - 130 %	
% 2-Fluorophenol	58				%	01/29/15	DD	15 - 110 %	
% Nitrobenzene-d5	76				%	01/29/15	DD	30 - 130 %	
% Phenol-d5	53				%	01/29/15	DD	15 - 110 %	
% Terphenyl-d14	85				%	01/29/15	DD	30 - 130 %	
Aniline	ND		330		ug/Kg	01/29/15	DD	SW8270	
Benzoic Acid	ND		330		ug/Kg	01/29/15	DD	SW8270	1
Parathion	ND		330		ug/Kg	01/29/15	DD	SW8270	1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Date/Time	By	Reference

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

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quanitation) ND=Not Detected
BRL=Below Reporting Level J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit

Comments:

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.

The TPH (C10-C28) is quantitated using an alkane standard.

Corrosivity is based solely on the pH analysis performed above.

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

Ignitability is based solely on the results of the closed cup flashpoint analysis performed above. Passed is >140 degree F.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

The reactivity, reported above, is based only on the EPA Interim Guidance for Reactive Cyanide and Reactive Sulfide. This method is no longer listed in the current version of SW-846.

Hexavalent Chromium:
This sample is in a reducing state.

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
January 30, 2015
Reviewed and Released by: Bobbi Aloisa, Vice President

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

January 30, 2015

QA/QC Data

SDG I.D.: GBH67409

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 297731, QC Sample No: BH64166 (BH67410, BH67412)													
ICP Metals - TCLP Extraction													
Arsenic	BRL	<0.01	<0.01	NC	99.0	99.5	0.5	101	107	5.8	75 - 125	20	
Barium	0.02	0.43	0.43	0	99.2	99.6	0.4	94.3	104	9.8	75 - 125	20	
Cadmium	BRL	<0.005	<0.005	NC	90.0	89.6	0.4	93.0	95.8	3.0	75 - 125	20	
Chromium	BRL	<0.010	<0.010	NC	90.1	89.7	0.4	91.5	95.3	4.1	75 - 125	20	
Lead	BRL	0.018	0.021	NC	88.4	87.7	0.8	90.3	93.4	3.4	75 - 125	20	
Selenium	BRL	<0.01	<0.01	NC	100	99.8	0.2	103	110	6.6	75 - 125	20	
Silver	BRL	<0.010	<0.010	NC	101	98.0	3.0	96.1	103	6.9	75 - 125	20	
QA/QC Batch 298014, QC Sample No: BH66947 (BH67410, BH67412, BH67414, BH67416)													
ICP Metals - Soil													
Aluminum	BRL	4770	3780	23.2	110	111	0.9	NC	NC	NC	75 - 125	30	
Antimony	BRL	<3.5	<3.3	NC	121	120	0.8	89.7	99.8	10.7	75 - 125	30	
Arsenic	BRL	0.9	0.76	NC	109	111	1.8	90.6	101	10.9	75 - 125	30	
Barium	BRL	26.0	19.9	26.6	115	119	3.4	103	109	5.7	75 - 125	30	
Beryllium	BRL	<0.28	<0.27	NC	108	108	0.0	100	105	4.9	75 - 125	30	
Cadmium	BRL	<0.35	<0.33	NC	101	98.4	2.6	99.0	103	4.0	75 - 125	30	
Calcium	BRL	3050	6840	76.6	110	112	1.8	NC	NC	NC	75 - 125	30	r
Chromium	BRL	12.4	10.1	20.4	111	110	0.9	99.6	105	5.3	75 - 125	30	
Cobalt	BRL	5.15	3.34	42.6	93.6	92.1	1.6	95.8	101	5.3	75 - 125	30	r
Copper	BRL	14.7	8.84	49.8	106	103	2.9	104	110	5.6	75 - 125	30	r
Iron	BRL	12200	8950	30.7	103	102	1.0	NC	NC	NC	75 - 125	30	r
Lead	BRL	6.50	5.01	25.9	103	101	2.0	97.5	103	5.5	75 - 125	30	
Magnesium	BRL	2340	1720	30.5	113	114	0.9	NC	NC	NC	75 - 125	30	
Manganese	BRL	176	133	27.8	117	115	1.7	85.2	100	16.0	75 - 125	30	
Nickel	BRL	6.51	5.35	19.6	111	107	3.7	97.3	103	5.7	75 - 125	30	
Potassium	BRL	775	798	2.90	103	106	2.9	>130	>130	NC	75 - 125	30	m
Selenium	BRL	<1.4	<1.3	NC	104	102	1.9	84.0	93.0	10.2	75 - 125	30	
Silver	BRL	<0.35	<0.33	NC	110	112	1.8	101	106	4.8	75 - 125	30	
Sodium	BRL	1100	828	28.2	112	116	3.5	NC	NC	NC	75 - 125	30	
Thallium	BRL	<3.1	<3.0	NC	112	112	0.0	99.7	105	5.2	75 - 125	30	
Vanadium	BRL	28.8	19.7	37.5	121	120	0.8	95.4	101	5.7	75 - 125	30	r
Zinc	BRL	18.4	14.5	23.7	105	102	2.9	98.1	105	6.8	75 - 125	30	
QA/QC Batch 298051, QC Sample No: BH67209 (BH67414, BH67416)													
ICP Metals - TCLP Extraction													
Arsenic	BRL	<0.10	<0.10	NC	120	117	2.5	111	113	1.8	75 - 125	20	
Barium	BRL	0.47	0.37	NC	112	109	2.7	108	109	0.9	75 - 125	20	
Cadmium	BRL	<0.050	<0.050	NC	115	113	1.8	110	112	1.8	75 - 125	20	
Chromium	BRL	<0.10	<0.10	NC	113	110	2.7	108	110	1.8	75 - 125	20	
Lead	BRL	3.56	2.77	25.0	118	115	2.6	110	112	1.8	75 - 125	20	r
Selenium	BRL	<0.10	<0.10	NC	116	125	7.5	115	116	0.9	75 - 125	20	
Silver	BRL	<0.10	<0.10	NC	122	119	2.5	109	110	0.9	75 - 125	20	

QA/QC Data

SDG I.D.: GBH67409

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 298050, QC Sample No: BH67256 (BH67410, BH67412, BH67414, BH67416)													
Mercury - Water	BRL	<0.0002	<0.0002	NC	87.3	93.0	6.3	89.5	82.3	8.4	70 - 130	20	
Comment:													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.													
QA/QC Batch 298049, QC Sample No: BH67390 (BH67410, BH67412, BH67414, BH67416)													
Mercury - Soil	BRL	1.26	1.72	30.9	88.6	86.4	2.5				70 - 130	30	r
Comment:													
Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%.													
QA/QC Batch 298175, QC Sample No: BH67414 (BH67410, BH67412, BH67414)													
Hex Chromium - Solid													
Hexavalent Cr	BRL	<0.43	<0.43	NC	98.7						70 - 130	30	
Insoluble Cr					90.1			95.2			70 - 130	30	
Soluble Cr					96.5			88.2			70 - 130	30	
QA/QC Batch 298086, QC Sample No: BH67416 (BH67416)													
Hex Chromium - Solid													
Hexavalent Cr	BRL	<0.45	<0.45	NC	100						70 - 130	30	
Insoluble Cr					106			101			70 - 130	30	
Soluble Cr					99.7			81.1			70 - 130	30	

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

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

January 30, 2015

QA/QC Data

SDG I.D.: GBH67409

Parameter	Blank	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 298126, QC Sample No: BH67298 (BH67410, BH67412, BH67414, BH67416)												
Total Cyanide	BRL	<0.56	<0.56	NC	106			97.0			85 - 115	30
QA/QC Batch 298048, QC Sample No: BH67410 (BH67410, BH67412, BH67414, BH67416)												
Flash Point		>200	>200	NC	100						85 - 115	30
QA/QC Batch 298067, QC Sample No: BH67410 (BH67410, BH67412, BH67414, BH67416)												
pH - Soil		8.52	8.77	2.90	92.3						85 - 115	20
QA/QC Batch 298046, QC Sample No: BH67416 (BH67410, BH67412, BH67414, BH67416)												
Reactivity Cyanide	BRL	<5.7	<5.5	NC	97.2						85 - 115	30

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

January 30, 2015

QA/QC Data

SDG I.D.: GBH67409

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 297976, QC Sample No: BH66427 (BH67410, BH67412, BH67414, BH67416)									
Chlorinated Herbicides									
2,4,5-TP (Silvex)	ND	65	65	0.0				40 - 140	20
2,4-D	ND	61	83	30.6				40 - 140	20 r
% DCAA (Surrogate Rec)	79	66	70	5.9				30 - 150	20
Comment:									
A LCS and LCSD were performed instead of a matrix spike and matrix spike duplicate.									
QA/QC Batch 297914, QC Sample No: BH66837 (BH67410, BH67412, BH67414, BH67416)									
Pesticides - Solid									
4,4' -DDD	ND	93	97	4.2	94	91	3.2	40 - 140	30
4,4' -DDE	ND	95	99	4.1	98	94	4.2	40 - 140	30
4,4' -DDT	ND	95	98	3.1	96	94	2.1	40 - 140	30
a-BHC	ND	91	95	4.3	91	94	3.2	40 - 140	30
a-Chlordane	ND	93	95	2.1	95	90	5.4	40 - 140	30
Aldrin	ND	95	98	3.1	95	95	0.0	40 - 140	30
b-BHC	ND	95	99	4.1	93	95	2.1	40 - 140	30
Chlordane	ND	92	96	4.3	95	90	5.4	40 - 140	30
d-BHC	ND	83	85	2.4	85	84	1.2	40 - 140	30
Dieldrin	ND	97	100	3.0	96	95	1.0	40 - 140	30
Endosulfan I	ND	90	94	4.3	93	89	4.4	40 - 140	30
Endosulfan II	ND	68	67	1.5	84	83	1.2	40 - 140	30
Endosulfan sulfate	ND	59	59	0.0	66	63	4.7	40 - 140	30
Endrin	ND	94	98	4.2	95	93	2.1	40 - 140	30
Endrin aldehyde	ND	60	54	10.5	74	71	4.1	40 - 140	30
Endrin ketone	ND	78	78	0.0	79	78	1.3	40 - 140	30
g-BHC	ND	94	100	6.2	98	100	2.0	40 - 140	30
g-Chlordane	ND	92	96	4.3	95	90	5.4	40 - 140	30
Heptachlor	ND	92	96	4.3	96	94	2.1	40 - 140	30
Heptachlor epoxide	ND	92	95	3.2	92	90	2.2	40 - 140	30
Methoxychlor	ND	88	90	2.2	107	101	5.8	40 - 140	30
Toxaphene	ND	NA	NA	NC	NA	NA	NC	40 - 140	30
% DCBP	94	92	95	3.2	94	89	5.5	30 - 150	30
% TCMX	89	88	92	4.4	88	91	3.4	30 - 150	30
QA/QC Batch 297915, QC Sample No: BH66837 (BH67410, BH67412, BH67414, BH67416)									
Polychlorinated Biphenyls - Solid									
PCB-1016	ND	87	93	6.7	88	91	3.4	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	90	95	5.4	90	93	3.3	40 - 140	30

QA/QC Data

SDG I.D.: GBH67409

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
PCB-1262	ND							40 - 140	30	
PCB-1268	ND							40 - 140	30	
% DCBP (Surrogate Rec)	78	95	100	5.1	92	95	3.2	30 - 150	30	
% TCMX (Surrogate Rec)	68	89	96	7.6	91	90	1.1	30 - 150	30	

QA/QC Batch 297913, QC Sample No: BH66837 (BH67410, BH67412, BH67414, BH67416)

Semivolatiles - Solid

1,1-Biphenyl	ND	93	77	18.8	92	90	2.2	30 - 130	30	
1,2,4,5-Tetrachlorobenzene	ND	88	74	17.3	89	87	2.3	30 - 130	30	
1,2-Diphenylhydrazine	ND	97	83	15.6	94	92	2.2	30 - 130	30	
2,3,4,6-tetrachlorophenol	ND	97	83	15.6	70	48	37.3	30 - 130	30	r
2,4,5-Trichlorophenol	ND	98	82	17.8	95	79	18.4	30 - 130	30	
2,4,6-Trichlorophenol	ND	98	79	21.5	83	63	27.4	30 - 130	30	
2,4-Dichlorophenol	ND	92	75	20.4	91	83	9.2	30 - 130	30	
2,4-Dimethylphenol	ND	88	73	18.6	91	90	1.1	30 - 130	30	
2,4-Dinitrophenol	ND	40	26	42.4	<10	<10	NC	30 - 130	30	l,m,r
2,4-Dinitrotoluene	ND	106	94	12.0	97	94	3.1	30 - 130	30	
2,6-Dinitrotoluene	ND	98	84	15.4	96	92	4.3	30 - 130	30	
2-Chloronaphthalene	ND	92	77	17.8	91	90	1.1	30 - 130	30	
2-Chlorophenol	ND	87	71	20.3	84	81	3.6	30 - 130	30	
2-Methylnaphthalene	ND	89	73	19.8	87	86	1.2	30 - 130	30	
2-Methylphenol (o-cresol)	ND	91	73	22.0	93	93	0.0	30 - 130	30	
2-Nitroaniline	ND	111	94	16.6	95	89	6.5	30 - 130	30	
2-Nitrophenol	ND	90	75	18.2	84	68	21.1	30 - 130	30	
3&4-Methylphenol (m&p-cresol)	ND	89	71	22.5	89	87	2.3	30 - 130	30	
3,3'-Dichlorobenzidine	ND	71	60	16.8	80	73	9.2	30 - 130	30	
3-Nitroaniline	ND	99	85	15.2	95	87	8.8	30 - 130	30	
4,6-Dinitro-2-methylphenol	ND	87	57	41.7	37	20	59.6	30 - 130	30	m,r
4-Bromophenyl phenyl ether	ND	87	73	17.5	88	82	7.1	30 - 130	30	
4-Chloro-3-methylphenol	ND	94	76	21.2	95	92	3.2	30 - 130	30	
4-Chloroaniline	ND	86	74	15.0	87	79	9.6	30 - 130	30	
4-Chlorophenyl phenyl ether	ND	94	79	17.3	92	90	2.2	30 - 130	30	
4-Nitroaniline	ND	97	81	18.0	96	93	3.2	30 - 130	30	
4-Nitrophenol	ND	110	99	10.5	45	26	53.5	30 - 130	30	m,r
Acenaphthene	ND	92	78	16.5	92	90	2.2	30 - 130	30	
Acenaphthylene	ND	87	73	17.5	87	85	2.3	30 - 130	30	
Acetophenone	ND	90	75	18.2	87	88	1.1	30 - 130	30	
Anthracene	ND	94	79	17.3	94	90	4.3	30 - 130	30	
Atrazine	ND	96	78	20.7	93	89	4.4	30 - 130	30	
Benz(a)anthracene	ND	97	81	18.0	94	90	4.3	30 - 130	30	
Benzaldehyde	ND	57	46	21.4	90	65	32.3	30 - 130	30	r
Benzidine	ND	14	10	33.3	18	<10	NC	30 - 130	30	l,m,r
Benzo(a)pyrene	ND	93	78	17.5	89	85	4.6	30 - 130	30	
Benzo(b)fluoranthene	ND	95	79	18.4	89	87	2.3	30 - 130	30	
Benzo(ghi)perylene	ND	94	81	14.9	98	92	6.3	30 - 130	30	
Benzo(k)fluoranthene	ND	91	79	14.1	89	82	8.2	30 - 130	30	
Benzyl Alcohol	ND	85	65	26.7	82	78	5.0	30 - 130	30	
Benzyl butyl phthalate	ND	100	82	19.8	97	98	1.0	30 - 130	30	
Bis(2-chloroethoxy)methane	ND	92	76	19.0	90	89	1.1	30 - 130	30	
Bis(2-chloroethyl)ether	ND	77	63	20.0	73	75	2.7	30 - 130	30	
Bis(2-chloroisopropyl)ether	ND	90	73	20.9	85	86	1.2	30 - 130	30	
Bis(2-ethylhexyl)phthalate	ND	102	83	20.5	98	100	2.0	30 - 130	30	
Caprolactam	ND	87	72	18.9	91	85	6.8	30 - 130	30	

QA/QC Data

SDG I.D.: GBH67409

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Carbazole	ND	115	92	22.2	108	102	5.7	30 - 130	30	
Chrysene	ND	101	83	19.6	101	97	4.0	30 - 130	30	
Dibenz(a,h)anthracene	ND	94	81	14.9	97	90	7.5	30 - 130	30	
Dibenzofuran	ND	96	80	18.2	95	92	3.2	30 - 130	30	
Diethyl phthalate	ND	98	88	10.8	95	93	2.1	30 - 130	30	
Dimethylphthalate	ND	95	82	14.7	94	91	3.2	30 - 130	30	
Di-n-butylphthalate	ND	117	94	21.8	111	105	5.6	30 - 130	30	
Di-n-octylphthalate	ND	96	78	20.7	89	87	2.3	30 - 130	30	
Fluoranthene	ND	112	91	20.7	105	96	9.0	30 - 130	30	
Fluorene	ND	94	79	17.3	92	89	3.3	30 - 130	30	
Hexachlorobenzene	ND	93	78	17.5	94	89	5.5	30 - 130	30	
Hexachlorobutadiene	ND	86	71	19.1	83	82	1.2	30 - 130	30	
Hexachlorocyclopentadiene	ND	83	67	21.3	78	73	6.6	30 - 130	30	
Hexachloroethane	ND	79	64	21.0	75	76	1.3	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	115	97	17.0	116	110	5.3	30 - 130	30	
Isophorone	ND	88	73	18.6	87	85	2.3	30 - 130	30	
Naphthalene	ND	88	72	20.0	84	84	0.0	30 - 130	30	
Nitrobenzene	ND	87	73	17.5	85	85	0.0	30 - 130	30	
N-Nitrosodimethylamine	ND	79	64	21.0	78	78	0.0	30 - 130	30	
N-Nitrosodi-n-propylamine	ND	91	74	20.6	88	87	1.1	30 - 130	30	
N-Nitrosodiphenylamine	ND	99	87	12.9	99	96	3.1	30 - 130	30	
Pentachlorophenol	ND	104	87	17.8	72	46	44.1	30 - 130	30	r
Phenanthrene	ND	95	79	18.4	94	90	4.3	30 - 130	30	
Phenol	ND	94	75	22.5	90	90	0.0	30 - 130	30	
Pyrene	ND	114	94	19.2	107	98	8.8	30 - 130	30	
% 2,4,6-Tribromophenol	89	86	68	23.4	74	67	9.9	30 - 130	30	
% 2-Fluorobiphenyl	74	88	69	24.2	87	85	2.3	30 - 130	30	
% 2-Fluorophenol	67	86	67	24.8	80	77	3.8	30 - 130	30	
% Nitrobenzene-d5	69	82	64	24.7	79	79	0.0	30 - 130	30	
% Phenol-d5	73	88	66	28.6	84	84	0.0	30 - 130	30	
% Terphenyl-d14	97	112	87	25.1	100	91	9.4	30 - 130	30	

Comment:

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

QA/QC Batch 298080, QC Sample No: BH67210 (BH67410 (5X) , BH67412 (5X) , BH67414 (5X) , BH67416 (5X))

Volatiles - TCLP

1,1-Dichloroethene	ND	90	98	8.5	99	89	10.6	70 - 130	30	
1,2-Dichloroethane	ND	91	101	10.4	104	90	14.4	70 - 130	30	
Benzene	ND	94	102	8.2	101	88	13.8	70 - 130	30	
Carbon tetrachloride	ND	92	100	8.3	101	88	13.8	70 - 130	30	
Chlorobenzene	ND	92	101	9.3	102	91	11.4	70 - 130	30	
Chloroform	ND	94	100	6.2	104	93	11.2	70 - 130	30	
Methyl ethyl ketone	ND	83	97	15.6	93	83	11.4	70 - 130	30	
Tetrachloroethene	ND	93	101	8.2	101	89	12.6	70 - 130	30	
Trichloroethene	ND	96	101	5.1	102	89	13.6	70 - 130	30	
Vinyl chloride	ND	89	93	4.4	102	90	12.5	70 - 130	30	
% 1,2-dichlorobenzene-d4	100	100	101	1.0	99	100	1.0	70 - 130	30	
% Bromofluorobenzene	101	100	101	1.0	101	100	1.0	70 - 130	30	
% Dibromofluoromethane	101	100	99	1.0	103	101	2.0	70 - 130	30	
% Toluene-d8	100	100	101	1.0	101	99	2.0	70 - 130	30	

Comment:

A blank MS/MSD was analyzed with this batch.

QA/QC Data

SDG I.D.: GBH67409

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 298065, QC Sample No: BH67210 (BH67410, BH67412, BH67414, BH67416)									
Semivolatiles									
1,4-Dichlorobenzene	ND	78	77	1.3				30 - 130	20
2,4,5-Trichlorophenol	ND	102	104	1.9				30 - 130	20
2,4,6-Trichlorophenol	ND	95	96	1.0				30 - 130	20
2,4-Dinitrotoluene	ND	98	95	3.1				30 - 130	20
2-Methylphenol (o-cresol)	ND	87	84	3.5				30 - 130	20
3&4-Methylphenol (m&p-cresol)	ND	84	82	2.4				30 - 130	20
Hexachlorobenzene	ND	91	91	0.0				30 - 130	20
Hexachlorobutadiene	ND	91	87	4.5				30 - 130	20
Hexachloroethane	ND	81	79	2.5				30 - 130	20
Nitrobenzene	ND	88	85	3.5				30 - 130	20
Pentachlorophenol	ND	96	93	3.2				30 - 130	20
Pyridine	ND	25	26	3.9				30 - 130	20
% 2,4,6-Tribromophenol	68	85	83	2.4				15 - 110	20
% 2-Fluorobiphenyl	55	75	79	5.2				30 - 130	20
% 2-Fluorophenol	35	56	60	6.9				15 - 110	20
% Nitrobenzene-d5	47	81	80	1.2				30 - 130	20
% Phenol-d5	34	51	51	0.0				15 - 110	20
% Terphenyl-d14	72	80	85	6.1				30 - 130	20

Comment:

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

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

QA/QC Batch 298123, QC Sample No: BH67298 (BH67410, BH67412, BH67414, BH67416)									
Chlorinated Herbicides - Solid									
2,4,5-T	ND	71	66	7.3	70	66	5.9	40 - 140	30
2,4,5-TP (Silvex)	ND	75	71	5.5	73	68	7.1	40 - 140	30
2,4-D	ND	67	79	16.4	79	90	13.0	40 - 140	30
2,4-DB	ND	73	68	7.1	84	85	1.2	40 - 140	30
Dalapon	ND	48	44	8.7	45	42	6.9	40 - 140	30
Dicamba	ND	77	72	6.7	76	71	6.8	40 - 140	30
Dichloroprop	ND	66	70	5.9	63	71	11.9	40 - 140	30
Dinoseb	ND	73	67	8.6	72	71	1.4	40 - 140	30
% DCAA (Surrogate Rec)	72	71	54	27.2	61	57	6.8	30 - 150	30
QA/QC Batch 298125, QC Sample No: BH67410 (BH67410, BH67412, BH67414, BH67416)									
Pesticides									
4,4' -DDD	ND	93	100	7.3				40 - 140	20
4,4' -DDE	ND	91	98	7.4				40 - 140	20
4,4' -DDT	ND	88	95	7.7				40 - 140	20
a-BHC	ND	85	91	6.8				40 - 140	20
a-Chlordane	ND	90	96	6.5				40 - 140	20
Alachlor	ND	NA	NA	NC				40 - 140	20
Aldrin	ND	84	90	6.9				40 - 140	20
b-BHC	ND	89	94	5.5				40 - 140	20
Chlordane	ND	89	97	8.6				40 - 140	20
d-BHC	ND	71	75	5.5				40 - 140	20
Dieldrin	ND	90	97	7.5				40 - 140	20
Endosulfan I	ND	90	97	7.5				40 - 140	20
Endosulfan II	ND	90	95	5.4				40 - 140	20
Endosulfan sulfate	ND	80	85	6.1				40 - 140	20

QA/QC Data

SDG I.D.: GBH67409

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Endrin	ND	95	102	7.1				40 - 140	20	
Endrin aldehyde	ND	100	103	3.0				40 - 140	20	
g-BHC	ND	88	94	6.6				40 - 140	20	
g-Chlordane	ND	89	97	8.6				40 - 140	20	
Heptachlor	ND	84	90	6.9				40 - 140	20	
Heptachlor epoxide	ND	88	96	8.7				40 - 140	20	
Methoxychlor	ND	84	89	5.8				40 - 140	20	
Toxaphene	ND	NA	NA	NC				40 - 140	20	
% DCBP	46	76	86	12.3				40 - 150	20	
% TCMX	103	97	103	6.0				40 - 150	20	
QA/QC Batch 298034, QC Sample No: BH67416 (BH67410, BH67412, BH67414, BH67416)										
TPH by GC (Extractable Products) - Solid										
Ext. Petroleum HC	ND	61			63	61	3.2	60 - 120	30	
% n-Pentacosane	60	60			62	60	3.3	50 - 150	30	
QA/QC Batch 298170, QC Sample No: BH67757 (BH67409 (50, 1X) , BH67411 (50, 1X) , BH67413, BH67415)										
Volatiles (TCL) - Solid										
1,1,1,2-Tetrachloroethane	ND	116	115	0.9	110	114	3.6	70 - 130	30	
1,1,1-Trichloroethane	ND	108	120	10.5	102	117	13.7	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	111	115	3.5	102	107	4.8	70 - 130	30	
1,1,2-Trichloroethane	ND	102	109	6.6	102	114	11.1	70 - 130	30	
1,1-Dichloroethane	ND	106	112	5.5	104	111	6.5	70 - 130	30	
1,1-Dichloroethene	ND	107	129	18.6	112	120	6.9	70 - 130	30	
1,2,3-Trichlorobenzene	ND	109	103	5.7	100	103	3.0	70 - 130	30	
1,2,4-Trichlorobenzene	ND	108	106	1.9	102	106	3.8	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	111	116	4.4	100	109	8.6	70 - 130	30	
1,2-Dibromoethane	ND	102	109	6.6	103	118	13.6	70 - 130	30	
1,2-Dichlorobenzene	ND	104	102	1.9	101	105	3.9	70 - 130	30	
1,2-Dichloroethane	ND	102	110	7.5	99	111	11.4	70 - 130	30	
1,2-Dichloropropane	ND	101	115	13.0	101	118	15.5	70 - 130	30	
1,3-Dichlorobenzene	ND	104	110	5.6	103	108	4.7	70 - 130	30	
1,4-Dichlorobenzene	ND	102	102	0.0	101	106	4.8	70 - 130	30	
1,4-dioxane	ND	149	113	27.5	137	116	16.6	70 - 130	30	l,m
2-Hexanone	ND	96	95	1.0	99	102	3.0	70 - 130	30	
4-Methyl-2-pentanone	ND	101	112	10.3	98	113	14.2	70 - 130	30	
Acetone	ND	65	76	15.6	<10	<10	NC	70 - 130	30	l,m
Acrolein	ND	56	49	13.3	66	74	11.4	70 - 130	30	l,m
Acrylonitrile	ND	102	111	8.5	88	105	17.6	70 - 130	30	
Benzene	ND	105	113	7.3	107	120	11.5	70 - 130	30	
Bromochloromethane	ND	107	125	15.5	91	107	16.2	70 - 130	30	
Bromodichloromethane	ND	109	126	14.5	106	118	10.7	70 - 130	30	
Bromoform	ND	109	108	0.9	105	112	6.5	70 - 130	30	
Bromomethane	ND	103	116	11.9	104	121	15.1	70 - 130	30	
Carbon Disulfide	ND	128	131	2.3	110	123	11.2	70 - 130	30	l
Carbon tetrachloride	ND	111	129	15.0	117	132	12.0	70 - 130	30	m
Chlorobenzene	ND	107	106	0.9	106	111	4.6	70 - 130	30	
Chloroethane	ND	103	119	14.4	103	113	9.3	70 - 130	30	
Chloroform	ND	105	121	14.2	97	115	17.0	70 - 130	30	
Chloromethane	ND	98	108	9.7	99	110	10.5	70 - 130	30	
cis-1,2-Dichloroethene	ND	108	122	12.2	91	124	30.7	70 - 130	30	r
cis-1,3-Dichloropropene	ND	110	127	14.3	107	118	9.8	70 - 130	30	
Cyclohexane	ND	95	102	7.1	115	125	8.3	70 - 130	30	
Dibromochloromethane	ND	123	111	10.3	110	115	4.4	70 - 130	30	

QA/QC Data

SDG I.D.: GBH67409

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Dichlorodifluoromethane	ND	107	111	3.7	99	111	11.4	70 - 130	30	
Ethylbenzene	ND	107	110	2.8	110	115	4.4	70 - 130	30	
Isopropylbenzene	ND	106	109	2.8	115	121	5.1	70 - 130	30	
m&p-Xylene	ND	116	110	5.3	112	119	6.1	70 - 130	30	
Methyl ethyl ketone	ND	81	88	8.3	79	94	17.3	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	100	104	3.9	91	101	10.4	70 - 130	30	
Methylacetate	ND	110	122	10.3	109	120	9.6	70 - 130	30	
Methylcyclohexane	ND	102	107	4.8	114	135	16.9	70 - 130	30	m
Methylene chloride	ND	95	109	13.7	72	78	8.0	70 - 130	30	
o-Xylene	ND	112	116	3.5	112	117	4.4	70 - 130	30	
Styrene	ND	114	113	0.9	111	116	4.4	70 - 130	30	
tert-butyl alcohol	ND	111	94	16.6	111	101	9.4	70 - 130	30	
Tetrachloroethene	ND	99	104	4.9	107	114	6.3	70 - 130	30	
Toluene	ND	112	110	1.8	102	118	14.5	70 - 130	30	
trans-1,2-Dichloroethene	ND	111	126	12.7	101	119	16.4	70 - 130	30	
trans-1,3-Dichloropropene	ND	114	118	3.4	103	116	11.9	70 - 130	30	
Trichloroethene	ND	106	109	2.8	112	129	14.1	70 - 130	30	
Trichlorofluoromethane	ND	97	111	13.5	102	112	9.3	70 - 130	30	
Trichlorotrifluoroethane	ND	106	130	20.3	111	127	13.4	70 - 130	30	
Vinyl chloride	ND	100	113	12.2	106	117	9.9	70 - 130	30	
% 1,2-dichlorobenzene-d4	100	100	102	2.0	101	99	2.0	70 - 130	30	
% Bromofluorobenzene	97	107	98	8.8	101	102	1.0	70 - 130	30	
% Dibromofluoromethane	99	100	116	14.8	97	108	10.7	70 - 130	30	
% Toluene-d8	100	100	105	4.9	100	107	6.8	70 - 130	30	

Comment:

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

QA/QC Batch 298167, QC Sample No: BH67757 (BH67409 (50, 1X) , BH67411 (50, 1X) , BH67413, BH67415)

Volatiles - Solid

1,1,1,2-Tetrachloroethane	ND	115	115	0.0	109	113	3.6	70 - 130	30	
1,1,1-Trichloroethane	ND	109	121	10.4	103	118	13.6	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	112	115	2.6	102	107	4.8	70 - 130	30	
1,1,2-Trichloroethane	ND	101	109	7.6	102	114	11.1	70 - 130	30	
1,1-Dichloroethane	ND	106	112	5.5	104	112	7.4	70 - 130	30	
1,1-Dichloroethene	ND	107	129	18.6	112	119	6.1	70 - 130	30	
1,2,3-Trichlorobenzene	ND	109	103	5.7	100	103	3.0	70 - 130	30	
1,2,4-Trichlorobenzene	ND	108	106	1.9	102	106	3.8	70 - 130	30	
1,2,4-Trimethylbenzene	ND	101	102	1.0	108	114	5.4	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	116	115	0.9	106	115	8.1	70 - 130	30	
1,2-Dibromoethane	ND	102	110	7.5	103	118	13.6	70 - 130	30	
1,2-Dichlorobenzene	ND	104	102	1.9	101	105	3.9	70 - 130	30	
1,2-Dichloroethane	ND	102	110	7.5	99	112	12.3	70 - 130	30	
1,2-Dichloropropane	ND	101	115	13.0	101	119	16.4	70 - 130	30	
1,3,5-Trimethylbenzene	ND	108	107	0.9	113	118	4.3	70 - 130	30	
1,3-Dichlorobenzene	ND	104	109	4.7	103	108	4.7	70 - 130	30	
1,4-Dichlorobenzene	ND	103	103	0.0	102	107	4.8	70 - 130	30	
2-Hexanone	ND	95	94	1.1	97	101	4.0	70 - 130	30	
4-Methyl-2-pentanone	ND	100	112	11.3	98	112	13.3	70 - 130	30	
Acetone	ND	67	76	12.6	<10	<10	NC	70 - 130	30	l,m
Acrolein	ND	57	50	13.1	67	75	11.3	70 - 130	30	l,m
Acrylonitrile	ND	102	111	8.5	90	107	17.3	70 - 130	30	
Benzene	ND	105	113	7.3	107	120	11.5	70 - 130	30	
Bromochloromethane	ND	108	126	15.4	91	108	17.1	70 - 130	30	

QA/QC Data

SDG I.D.: GBH67409

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Bromodichloromethane	ND	109	125	13.7	106	118	10.7	70 - 130	30	
Bromoform	ND	114	114	0.0	110	117	6.2	70 - 130	30	
Bromomethane	ND	103	116	11.9	103	122	16.9	70 - 130	30	
Carbon Disulfide	ND	128	131	2.3	110	123	11.2	70 - 130	30	l
Carbon tetrachloride	ND	111	128	14.2	116	132	12.9	70 - 130	30	m
Chlorobenzene	ND	105	105	0.0	105	110	4.7	70 - 130	30	
Chloroethane	ND	99	115	15.0	99	109	9.6	70 - 130	30	
Chloroform	ND	105	120	13.3	96	114	17.1	70 - 130	30	
Chloromethane	ND	98	108	9.7	99	110	10.5	70 - 130	30	
cis-1,2-Dichloroethene	ND	108	122	12.2	92	120	26.4	70 - 130	30	
cis-1,3-Dichloropropene	ND	110	127	14.3	107	118	9.8	70 - 130	30	
Dibromochloromethane	ND	118	108	8.8	107	111	3.7	70 - 130	30	
Dichlorodifluoromethane	ND	107	111	3.7	99	111	11.4	70 - 130	30	
Ethylbenzene	ND	109	114	4.5	110	117	6.2	70 - 130	30	
Isopropylbenzene	ND	107	112	4.6	116	122	5.0	70 - 130	30	
m&p-Xylene	ND	114	110	3.6	112	120	6.9	70 - 130	30	
Methyl ethyl ketone	ND	78	84	7.4	82	96	15.7	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	100	104	3.9	91	101	10.4	70 - 130	30	
Methylene chloride	ND	95	109	13.7	58	64	9.8	70 - 130	30	m
Naphthalene	ND	115	115	0.0	103	110	6.6	70 - 130	30	
n-Butylbenzene	ND	105	106	0.9	112	121	7.7	70 - 130	30	
n-Propylbenzene	ND	101	99	2.0	110	118	7.0	70 - 130	30	
o-Xylene	ND	110	115	4.4	112	117	4.4	70 - 130	30	
p-Isopropyltoluene	ND	106	105	0.9	111	119	7.0	70 - 130	30	
sec-Butylbenzene	ND	111	117	5.3	114	122	6.8	70 - 130	30	
Styrene	ND	113	112	0.9	110	116	5.3	70 - 130	30	
tert-Butylbenzene	ND	110	117	6.2	115	121	5.1	70 - 130	30	
Tetrachloroethene	ND	99	103	4.0	101	109	7.6	70 - 130	30	
Toluene	ND	102	116	12.8	99	116	15.8	70 - 130	30	
trans-1,2-Dichloroethene	ND	111	125	11.9	100	118	16.5	70 - 130	30	
trans-1,3-Dichloropropene	ND	115	119	3.4	103	116	11.9	70 - 130	30	
Trichloroethene	ND	106	109	2.8	113	130	14.0	70 - 130	30	
Trichlorofluoromethane	ND	102	117	13.7	107	117	8.9	70 - 130	30	
Trichlorotrifluoroethane	ND	119	117	1.7	114	128	11.6	70 - 130	30	
Vinyl chloride	ND	100	113	12.2	106	117	9.9	70 - 130	30	
% 1,2-dichlorobenzene-d4	100	100	102	2.0	100	99	1.0	70 - 130	30	
% Bromofluorobenzene	99	105	97	7.9	99	101	2.0	70 - 130	30	
% Dibromofluoromethane	99	100	116	14.8	97	108	10.7	70 - 130	30	
% Toluene-d8	100	100	105	4.9	100	107	6.8	70 - 130	30	

Comment:

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

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

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

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

Phyllis Shiller, Laboratory Director
January 30, 2015

QA/QC Data

SDG I.D.: GBH67409

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits

Sample Criteria Exceedences Report

GBH67409 - IMPACT

Criteria: NJ: RC; NY: 375

State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
BH67410	$DPSVNJ_TCL	Benzo(a)pyrene	NJ / Soil Remediation Standard / Res. Direct Contact	1300	150	200	200	ug/Kg
BH67410	$DPSVNJ_TCL	Benzo(b)fluoranthene	NJ / Soil Remediation Standard / Res. Direct Contact	2200	260	600	200	ug/Kg
BH67410	$DPSVNJ_TCL	Benz(a)anthracene	NJ / Soil Remediation Standard / Res. Direct Contact	1500	260	600	200	ug/Kg
BH67410	$DPSVNJ_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1500	260	1000	1000	ug/Kg
BH67410	$DPSVNJ_TCL	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1300	150	1000	1000	ug/Kg
BH67410	$DPSVNJ_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2200	260	1000	1000	ug/Kg
BH67410	$DPSVNJ_TCL	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	940	260	800	800	ug/Kg
BH67410	$DPSVNJ_TCL	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1700	260	1000	1000	ug/Kg
BH67410	HEXCRSM	Chromium, Hexavalent	NY / 375-6.8 Metals / Unrestricted Use Soil	2.21	0.45	1	1	mg/Kg
BH67410	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	370	3.8	63	63	mg/Kg
BH67410	TCLP-PB	TCLP Lead	EPA / 40 CFR 261.24 / Toxicity Characteristics	5.45	0.10	5	5	mg/L
BH67410	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	277	3.8	109	109	mg/Kg
BH67412	$DPSVNJ_TCL	Benzo(a)pyrene	NJ / Soil Remediation Standard / Res. Direct Contact	210	160	200	200	ug/Kg
BH67412	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.25	0.03	0.18	0.18	mg/Kg
BH67412	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	373	4.2	63	63	mg/Kg
BH67412	TCLP-PB	TCLP Lead	EPA / 40 CFR 261.24 / Toxicity Characteristics	9.85	0.10	5	5	mg/L
BH67412	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	434	4.2	109	109	mg/Kg
BH67414	$DPSVNJ_TCL	1,2-Diphenylhydrazine	NJ / Soil Remediation Standard / Res. Direct Contact	ND	710	700	700	ug/Kg
BH67414	$DPSVNJ_TCL	Benzidine	NJ / Soil Remediation Standard / Res. Direct Contact	ND	1100	700	700	ug/Kg
BH67414	$DPSVNJ_TCL	Benzo(a)pyrene	NJ / Soil Remediation Standard / Res. Direct Contact	270	280	200	200	ug/Kg
BH67414	$DPSVNJ_TCL	Dibenz(a,h)anthracene	NJ / Soil Remediation Standard / Res. Direct Contact	ND	280	200	200	ug/Kg
BH67414	$DPSVNJ_TCL	N-Nitrosodi-n-propylamine	NJ / Soil Remediation Standard / Res. Direct Contact	ND	280	200	200	ug/Kg
BH67414	$DPSVNJ_TCL	2-Methylphenol (o-cresol)	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	500	330	330	ug/Kg
BH67414	$DPSVNJ_TCL	Phenol	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	ND	500	330	330	ug/Kg
BH67414	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.22	0.03	0.18	0.18	mg/Kg
BH67414	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	161	3.8	63	63	mg/Kg
BH67414	ZN-SM	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	160	3.8	109	109	mg/Kg
BH67416	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.85	0.03	0.18	0.18	mg/Kg
BH67416	PB-SM	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	91.6	0.37	63	63	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

January 30, 2015

SDG I.D.: GBH67409

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

409WCIP

CHAIN OF CUSTODY

IMPACT ENVIRONMENTAL
170 Keyland Court, Bohemia, New York 11716
(Tel.) 631-269-8800 (Fax) 631-269-1599

Page 1 of ____

LAB NAME: Phoenix

RECEIVED DATE:

Client Information

Company Name Impact Environmental
Address 170 Keyland Court
City Bohemia
Project Contact Xin Yuan
Phone # 631-269-8800 **Fax #** 631-269-1599
E-mail xyuan@impactenvironmental.com

Project Information

Project Name SW Marine Transfer Station
Street Shore Parkway
City Brooklyn **State** NY **Zip**
Project # 7336
Sampler's Name Xin Yuan
Sampler's Signature

Analytical Information

LAB SAMPLE # (LAB USE ONLY)	Sample ID	IEC Project Code	Matrix Code	Sample Type	Sample Date	Time	Total # of bottles	NONE or OTHER*	ICE	HCL	Methanol (USEPA 5035)	Sodium Bisulfate (EPA 5035)	Impact Analytical Package A*	Impact Analytical Package B**	Impact Analytical Package C***	VOC 8260 (Analyte List for NY Part 375 and NJ NRDCC)	GPS2 Analysis	VOCs 8260 (CP51 Analite List)					(LAB USE ONLY)
1	WC 52 2-3		S	G	1/26	7:30	3		✓									X					67409
2	WC 52 Comp			C											X								67410
3	WC 56 4-5			G		8:10												X					67411
4	WC 56 Comp			C		8:10									X								67412
5	WC 53 6-7			G		10:00												X					67413
6	WC 53 Comp			C		10:00									X								67414
7	WC 54 3-4					11:00												X					67415
8	WC 54 Comp					11:00									X								67416
9																							
10																							

Matrix Codes
L - Liquid
S - Soil
A - Air
OL - Oil
W - Wipe
PC - Paint Chips
SL - Sludge
SD - Solid
DW- Drinking Water
DISS - Dissolved

Sample Type
G=Grab
C=Composite
B=Blank

Turnaround Time (Business Days)

Standard Service
- [ ] Standard - 5 day
- [ ] Standard - 4 day
- [x] Standard - 3 day

Rush Service
- [ ] 48 Hour *RUSH*
- [ ] 24 Hour *RUSH*

(LAB USE ONLY)
TAT Approved By / Date:

Data Deliverable Information
- [ ] Results Only (Level-1)
- [ ] Results plus Misc. QC (Level-2)
- [ ] Results plus ALL QC (Level-3)
- [ ] PA QC Package
- [ ] NJ QC Package (Level3NJ)
- [ ] CLP Category A (Level-2)
- [ ] CLP Category B (Level-4)
- [ ] ASP QC Package (Level-4)
- [ ] Other ____
- [x] EDD Format pdf + excel

(EDD Formats: Excel, pdf, EQUIS, GIS, GISKey, SPDES, Ascii, TAGM, OENJ)

REFERENCES
*Package A (proprietary) - Priority Pollutants Metals, SVOCs, PCB/Pest and Herbicides - to match all NJ DCSRS & NY Part 375 parameters and dectection limits. **Package B (proprietary)-Same as Package A, plus TCLP Metals & TPH. ***Package C (proprietary)-Same as Package B plus RCRA characteristics and Full TCLP

NOTES/COMMENTS:

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

Relinquished by Sampler	Date / Time	Received By	Relinquished By	Date / Time	Received By
1	1 1/26 11:00	1	2	2 1-26-15	2
Relinquished by: 3	Date / Time: 3	Received By: 3	Relinquished By: 4	Date / Time: 4	Received By: 4
Relinquished by: 5	Date / Time: 5	Received By: 5			

COOLER INFORMATION
Cooler Temp:____ pH:____ [ ] On Ice [ ] Sample Receipt Discrepancy(attach information)

Form SS-2/Nov. 2013

Shannon - Phoenixlabs GBH 67409

From: Michael - Phoenixlabs [michael@phoenixlabs.com]
Sent: Monday, January 26, 2015 02:17 PM
To: 'Shannon - Phoenixlabs'
Subject: RE: IMPACT QUESTION
Attachments: image001.jpg

That is INCORRECT, it should be the list attached to the Package A, which is the full and it also should be a 3 day RUSH, not a 3 day Standard TAT. Thanks!

Regards,
Michael Lapman
Account Manager
Phoenix Environmental Laboratories, Inc.
587 East Middle Turnpike
Manchester, CT 06040
T-860-812-0086 / C-917-449-0850 / F-860-645-0823
www.phoenixlabs.com

PHOENIX
Environmental Laboratories, Inc.

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From: Shannon - Phoenixlabs [mailto:shannon@phoenixlabs.com]
Sent: Monday, January 26, 2015 2:15 PM
To: 'Michael - Phoenixlabs'
Subject: IMPACT QUESTION
Importance: High

Hi Michael,
We are getting samples in today for package C analysis from Xin. The project is SW Marine Transfer Station and on the 8260, they are asking for CP51 list. Please confirm they really want the short list and not the full. Thank you.

Shannon Wilhelm
Phoenix Environmental Labs