

Revised NYSDEC Periodic Review Report: May 16, 2018 – May 16, 2019
Queens West (Hunters Point) Parcel 8
Parcel West of Center Boulevard between 47th Road and 48th Avenue
NYSDEC Site ID: C241087
Queens, NY 11101

NYCDDC PROJECT NO. LQD122-QW
WORK ORDER NO. 15458-LIRO-3-R-15190
CONTRACT REGISTRATION NO. 20181405131

Prepared for:



Office of Environmental and Geotechnical Services
30-30 Thomson Avenue, Third Floor
Long Island City, New York 11101

Prepared by:



LiRo Engineers, Inc.
703 Lorimer Street
Brooklyn, New York 11211

PROJECT NO. 17-155-0265

June 14, 2019

Revised January 6, 2020

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1.0 INTRODUCTION

1.1 Background Information

On behalf of the New York City Department of Design and Construction (NYCDDC) Office of Environmental and Geotechnical Services (OEGS), LiRo Engineers, Inc. (LiRo) conducted an annual inspection on May 30, 2019 and prepared this New York State Department of Environmental Conservation (NYSDEC) Periodic Review Report (PRR) for the period May 16, 2018 through May 16, 2019. The PRR was prepared to document the implementation and compliance with the specific site management requirements at the construction site for the new Queens West Hunters Point Community Library located at Parcel 8, west of Center Boulevard between 47th Road and 48th Avenue, Queens, New York (Figure 1). The parcel is approximately 0.73 acres and currently is an active construction site. The locations of the groundwater monitoring wells are shown on Figure 2.

The Queens West (Hunters Point) Parcel 8 site is in the NYSDEC Brownfield Cleanup Program (NYSDEC Site No. C241087). Avalon Riverview II LLC and Avalon Riverview North1 LLC and Queens West Development Corp., or QWDC (collectively, the Volunteer) entered into a Brownfield Cleanup Agreement with the NYSDEC to remediate the site. The approved site remedial action was implemented under the oversight of the Volunteer's environmental consultant, Fleming-Lee Shue, Inc. (FLS) of New York, NY. The City of New York agreed to assume responsibility for the site remediation in May 2015. Redevelopment of the site is being conducted under the conditions of the NYSDEC-approved Site Management Plan (SMP) dated December 2011 and revised November 2014. The annual inspection and the preparation of this PRR were performed in accordance with the SMP. An updated PRR Certification Form is provided in Attachment 1.

Because certain work elements (completion of the sub-slab depressurization system and final cover installation) were completed after the 2018-2019 reporting period, NYSDEC requested submittal of a Revised PRR to document those work elements. A description of the work completed after the reporting period has been provided in Section 4.0 of this revised report.

The following documentation is provided in support of the PRR Certification Form. The documentation is referenced to the PRR Certification Form Box Number and Question Number.

Box 1/Question 4. New York City Building permits have been issued for construction of the new library and park facilities. During this reporting period, the site has obtained permits for plumbing and mechanical systems installation, use of Manitou telehandler construction equipment, and permits for the installation of construction fencing. The New York City Building permits are provided in Attachment 2.

2.0 ANNUAL SITE-WIDE INSPECTION

2.1 General Site Conditions

Construction activities at the site commenced in May 2015. A perimeter construction fence has been erected. An interim cover was placed over a demarcation barrier after remedial excavation work was completed. There are three (3) groundwater monitoring wells on the site parcel (Figure 2) which are currently being protected during construction activities. Any excavations which disturb soil below the demarcation barrier will be performed and monitored in accordance with the procedures identified in the approved SMP. The library building, Park Department building, and restroom facility shells have been constructed. Vapor barriers and sub-slab depressurization system (SSDS) piping have been installed beneath the footprint of each building. The SSDS was completed after May 16, 2019 and started up as described in Section 4.1 and shown in Attachments 3 and 4 of this report. Construction of concrete sidewalks, concrete plank passage and lawn areas which are components of the final composite cover system was completed after the reporting period as described in Section 4.2 and shown in Attachments 3 and 4 of this report.

2.2 Compliance with Institutional Controls

Institutional Controls (ICs) have been established to maintain and monitor the Engineering Control (ECs) Systems, prevent future exposure to the remaining contamination by controlling disturbances of the subsurface contamination, and limit the use and development of the site to commercial uses only. A copy of the Environmental Easement is provided in Appendix 1. The site ICs are listed in Box 3 of the PRR Certification Form (Attachment 1). All ICs for this phase of the project are currently in compliance.

2.3 Condition and Effectiveness of Engineering Controls

The SSDS and final cover system were completed after May 16, 2019 as described in Section 4.1 and Section 4.2 of this report.

The Excavation Work Plan (EWP), included as an appendix within the SMP, outlines procedures to be implemented during construction activities or in the event that the cover system is breached, penetrated, or temporarily removed, and any underlying remaining contamination is disturbed. The cover system, if breached, will be restored to its original condition at the completion of the soil removal in a manner that complies with the Remedial Action Work Plan (RAWP) and the EWP.

2.4 Site Management Activities

LiRo conducted quarterly groundwater monitoring on the following dates: June 22, 2018; September 25-28, 2018; December 18, 2018; and, March 26-28, 2019. The LiRo quarterly groundwater monitoring reports are provided in Attachments 5 through 8 and provide data and summaries of the groundwater monitoring results during the reporting period.

3.0 SITE EVALUATION

Remedial activities were completed at the site in December 2011 in compliance with the NYSDEC-approved RAWP and residual contamination is managed under the requirements of the SMP.

The current site activities adhere to the SMP which includes, but is not limited to, a Monitoring Program, an Excavation Work Plan, a Health and Safety Plan, and a Community Air Monitoring Program.

LiRo observed dense non-aqueous phase liquid (DNAPL) (inferred to be coal tar based on site history) at monitoring wells MW-26D and MW-27D during each of the quarterly monitoring events conducted during the reporting period. In accordance with the SMP these wells were not sampled when DNAPL was observed. Measured thicknesses of the DNAPL have been generally consistent throughout this review period.

The groundwater monitoring results are summarized below. The results generally indicate asymptotic trends in the off-site monitoring wells.

Table 1 - Detections June 2017 – March 2019

Well ID	Analyte	Concentration (µg/L)							
		3/2019	12/2018	9/2018	6/2018	3/2018	12/2017	9/2017	6/2017
MW-24S	Benzene	0.83	NS	NS	NS	6.5	NS	NS	NS
	Naphthalene	ND	NS	NS	NS	180	NS	NS	NS
MW-24D	Benzene	10.5	NS	NS	NS	30.9	NS	NS	NS
	Naphthalene	ND	NS	NS	NS	370	NS	NS	NS
MW-25S	Benzene	0.49	NS	NS	NS	12.2	NS	NS	NS
	Naphthalene	ND	NS	NS	NS	ND	NS	NS	NS
MW-25D	Benzene	ND	NS	NS	NS	ND	NS	NS	NS
	Naphthalene	ND	NS	NS	NS	ND	NS	NS	NS
MW-26S	Benzene	3,300	4,000	3,200	4,100	3,000	3,200	3,900	3,000
	Naphthalene	1,500	4,300	5,000	5,600	6,100	250	3,500	1,900
MW-26D	Benzene	NS	NS	NS	NS	NS	NS	NS	9,700
	Naphthalene	NS	NS	NS	NS	NS	NS	NS	5,000
MW-27S	Benzene	380	150	1,200	810	640	360	700	550
	Naphthalene	98.7	35.4	71.9	94	240	34.2	75.1	600
MW-27D	Benzene	NS	NS	NS	NS	NS	NS	NS	NS
	Naphthalene	NS	NS	NS	NS	NS	NS	NS	NS
MW-30S	Benzene	ND	NS	ND	NS	ND	NS	ND	NS
	Naphthalene	ND	NS	ND	NS	ND	NS	ND	NS
MW-30D	Benzene	850	NS	72.8	NS	440	NS	89.5	NS
	Naphthalene	9,100	NS	7,500	NS	3,900	NS	7,800	NS

µg/l = micrograms per liter
 ND = Non detect
 NS = Not sampled

Based on the results of this evaluation, there are no recommendations regarding any necessary changes to the remedy and/or monitoring plan at this time.

4.0 PRR ADDENDUM

Work completed after the 2018-2019 reporting period included completion/startup of the SSDS and completion of the cover system installation.

4.1 SSDS Installation and Startup

SSDS systems were installed at each of the three buildings which occupy the Site. Each system consists of sections of 6-inch diameter slotted and solid high density polyethylene (HDPE) pipe installed beneath the building floor slab surrounded by coarse gravel. A gas vapor barrier was installed above the gravel sub-base and below the concrete floor slabs. A 6-inch diameter riser pipe extends to the roof each building where the system Rotron blowers are installed. The library building uses a 1.5 horsepower blower (Model #EN454W58ML) and the Parks/Incoming Services building blowers are each 1.0 horsepower (Model #EN404AR58ML). Stamped as-built drawings showing the layout and construction details of the SSDS are provided in Attachment 3.

Between August 7, 2019 and September 6, 2019, LiRo completed baseline and start-up testing of the SSDS in accordance with SMP requirements. Baseline testing included sub-slab pressure monitoring with the system off and with the system on, as well as smoke testing with the system on. The results of the startup testing, which are provided in Attachment 4, indicated that the system is performing in compliance with SSDS requirements.

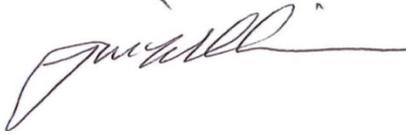
4.2 Cover System Completion

Exposure to remaining contamination in soil/fill at the Site is prevented by a soil cover system placed over the Site. Subsequent to the Site remedial excavation work, FLS documented the placement of the Site demarcation layer across the entire Site at elevations ranging from -3 feet above mean sea level (amsl), Queens Borough Datum to 4 feet amsl. FLS placed recycled concrete aggregate (RCA) meeting site use criteria at thicknesses ranging from 3 feet to 6 feet above the demarcation layer. During construction of the library, additional soil meeting site reuse criteria was imported for the final cover system. Stamped as-built drawings showing the cover system plan and cross-sections are provided in Attachment 3. Details regarding the source and analytical testing of soil imported for the final cover systems are provided in Attachment 4.

The final Site cover consists of the Site building slabs, lawn/landscape areas, concrete sidewalk areas and concrete plank covered areas. The final Site grades range from approximately 10 feet to 11.5 feet amsl. The thickness of the cover is in excess of 4 feet in all locations across the Site.

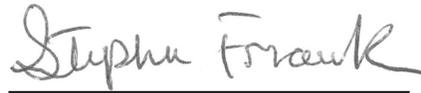
In conjunction with the final cover work, existing well casings in the lawn area were modified to meet final site grades and new at-grade steel outer casings were installed. The new modified casing elevations are as follows: MW-9 (10.81 feet amsl); MW-10 (10.82 feet amsl); MW-16S (11.82 feet amsl).

Report Prepared By:



Jon Williams
Senior Geologist

Report Reviewed By:



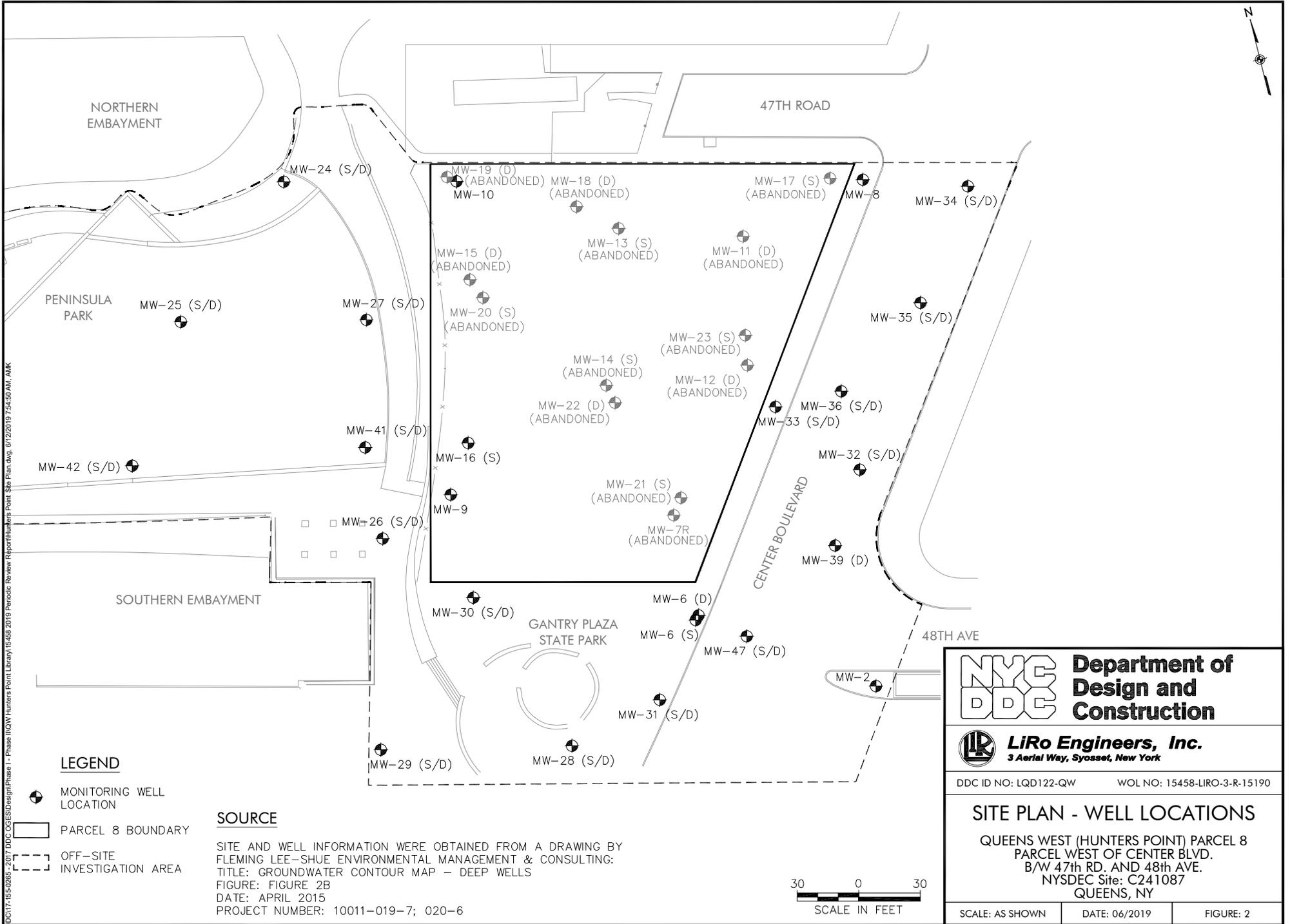
Stephen Frank
Senior Geologist

Report Certified By:



Martin Wesolowski, P.E.
Project Engineer

Figures



LEGEND

- MONITORING WELL LOCATION
- PARCEL 8 BOUNDARY
- OFF-SITE INVESTIGATION AREA

SOURCE

SITE AND WELL INFORMATION WERE OBTAINED FROM A DRAWING BY FLEMING LEE-SHUE ENVIRONMENTAL MANAGEMENT & CONSULTING:
 TITLE: GROUNDWATER CONTOUR MAP - DEEP WELLS
 FIGURE: FIGURE 2B
 DATE: APRIL 2015
 PROJECT NUMBER: 10011-019-7; 020-6

Department of Design and Construction		
LiRo Engineers, Inc. 3 Aerial Way, Syosset, New York		
DDC ID NO: LQD122-QW		WOL NO: 15458-LIRO-3-R-15190
SITE PLAN - WELL LOCATIONS QUEENS WEST (HUNTERS POINT) PARCEL 8 PARCEL WEST OF CENTER BLVD. B/W 47th RD. AND 48th AVE. NYSDEC Site: C241087 QUEENS, NY		
SCALE: AS SHOWN	DATE: 06/2019	FIGURE: 2

V:\NYCDDC\17-155-0265 - 2017 DDC OGES\Design\Phase I - Phase II\QW Hunters Point Library\15458 2019 Periodic Review Report\Hunters Point Site Plan.dwg, 6/12/2019 7:54:50 AM, AMK

Attachment 1
Updated PRR Certification Form



Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form



	Site Details	Box 1	
Site No.	C241087		
Site Name Queens West (Hunter's Point) Parcel 8			
Site Address: Center Blvd. and 47th Rd. and 48th Ave.	Zip Code: 11101		
City/Town: Long Island City			
County: Queens			
Site Acreage: 0.736			
Reporting Period: May 16, 2018 to May 16, 2019			
		YES	NO
1. Is the information above correct?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
If NO, include handwritten above or on a separate sheet.			
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?		<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?		<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.			
5. Is the site currently undergoing development?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
		Box 2	
		YES	NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial		<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. Are all ICs/ECs in place and functioning as designed?		<input checked="" type="checkbox"/>	<input type="checkbox"/>
IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.			
A Corrective Measures Work Plan must be submitted along with this form to address these issues.			
_____ Signature of Owner, Remedial Party or Designated Representative		_____ Date	

Box 2A

YES NO

8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid? YES NO

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

9. Are the assumptions in the Qualitative Exposure Assessment still valid? YES NO
(The Qualitative Exposure Assessment must be certified every five years)

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C241087

Box 3

Description of Institutional Controls

<u>Parcel</u>	<u>Owner</u>	<u>Institutional Control</u>
19-21	Queens West Development Corporation	Landuse Restriction Monitoring Plan O&M Plan Ground Water Use Restriction Soil Management Plan Site Management Plan IC/EC Plan

- (1) The Controlled Property may be used for Commercial as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv);
- (2) All Engineering Controls must be operated and maintained as specified in the Site Management Plan (SMP);
- (3) All Engineering Controls must be inspected at a frequency and in a manner defined in the SMP.
- (4) Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;
- (5) Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP;
- (6) All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;
- (7) Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;
- (8) Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP;
- (9) Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by this Environmental Easement.

Box 4

Description of Engineering Controls

<u>Parcel</u>	<u>Engineering Control</u>
19-21	Cover System Vapor Mitigation

The Engineering Controls for this Site include a composite cover over the entire site and a vapor barrier plus sub-slab depressurization system for any occupied structures to be built on the site.

Periodic Review Report (PRR) Certification Statements

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

a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

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

YES NO

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

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

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

(c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

(d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

(e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES NO

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. C241087

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Stephen Frank at 690 Delaware Ave, Buffalo, NY,
print name print business address

am certifying as Remedial Party (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.


Signature of Owner, Remedial Party, or Designated Representative
Rendering Certification

9/12/19
Date

IC/EC CERTIFICATIONS

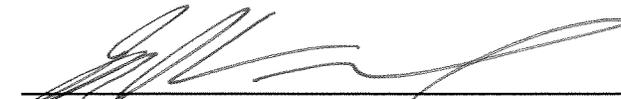
Box 7

Professional Engineer Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Martin Wesolowski at 690 Delaware Ave, Buffalo, NY
print name print business address

am certifying as a Professional Engineer for the Remedial Party
(Owner or Remedial Party)

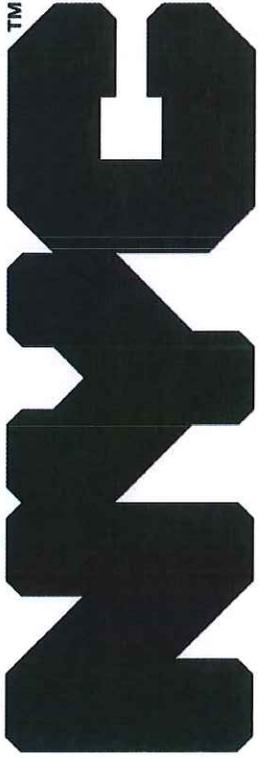

Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification



9/12/2019
Date

Stamp
(Required for PE)

Attachment 2
New York City Permits



Buildings



Work Permit Department of Buildings

Permit Number: 420606829-01-EQ-FN

Issued: 10/09/2018 Expires: 10/09/2019

Address: QUEENS 47-40 CENTER BOULEVARD

Issued to: STEPHEN LEVAN
Business: TRITON STRUCTURAL CONCRET
Contractor No: GC-604939

Description of Work:

NEW BUILDING - CONSTRUCTION EQUIPMENT - FENCE CONSTRUCT NEW 6 STORIES LIBRARY BUILDING .INSTALL CONSTRUCTION FENCE



Number of dwelling units occupied during construction: 0
Review is requested under Building Code: 2008

SITE FILL: ON-SITE

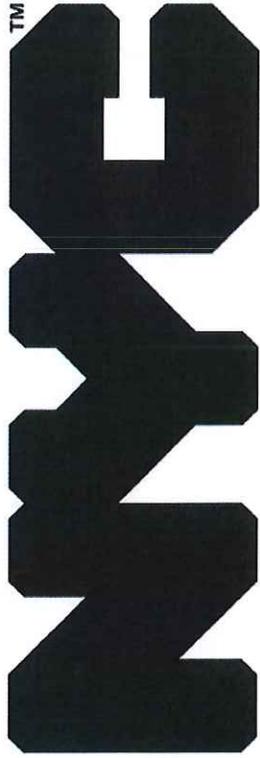
To see a Zoning Diagram (ZD1) or to challenge a zoning approval filed as part of a New Building application or Alteration application filed after 7/13/2009, please use "My Community" on the Buildings Department web site at www.nyc.gov/buildings.

Emergency Telephone Day or Night: 311

Borough Commissioner:

Commissioner of Buildings:

This permit copy created on 06/03/2019 reflects the Commissioner(s) as of such date. Tampering with or knowingly making a false entry in or falsely altering this permit is a crime that is punishable by a fine, imprisonment or both. 05.06.2019/2019



Buildings

Work Permit Department of Buildings



Permit Number: 420606829-01-NB

Issued: 10/09/2018

Expires: 09/01/2019

Address: QUEENS

47-40 CENTER BOULEVARD

Issued to: STEPHEN LEVAN

Business: TRITON STRUCTURAL CONCRET

Contractor No: GC-604939

Description of Work:

NEW BUILDING - CONSTRUCT NEW 6 STORIES LIBRARY BUILDING .INSTALL CONSTRUCTION FENCE



Number of dwelling units occupied during construction: 0
Review is requested under Building Code: 2008

SITE FILL: ON-SITE

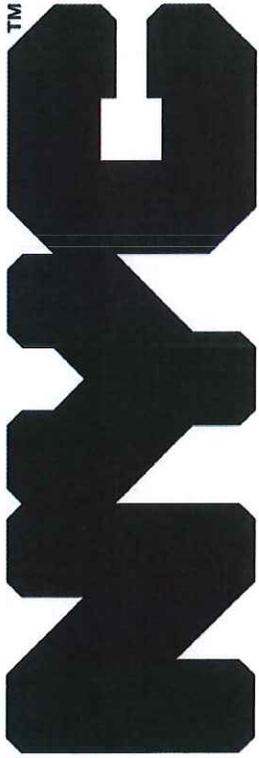
To see a Zoning Diagram (ZD1) or to challenge a zoning approval filed as part of a New Building application or Alteration application filed after 7/13/2009, please use "My Community" on the Buildings Department web site at www.nyc.gov/buildings.

Emergency Telephone Day or Night: 311

Borough Commissioner:

Commissioner of Buildings:

This permit copy created on 06/03/2019 reflects the Commissioner(s) as of such date.
Tampering with or knowingly making a false entry in or falsely altering this permit is a crime that is punishable by a fine, imprisonment or both. 05/06/03/2019



Buildings

Work Permit Department of Buildings



Permit Number: 440167659-01-PL

Issued: 09/18/2018

Expires: 09/18/2019

Address: QUEENS

47-40 CENTER BLVD

Issued to: DANIELLE MAGLIO

Business: EASTERN PLBG & MECH CONTR

License No: MP-2257

Description of Work:

PLUMBING - ALTERATION TYPE 2 INSTALL PLUMBING AND MECHANICAL SYSTEMS IN NEW LIBRARY BUILDING. FILED IN CONJUNCTION WITH NB 420651459. NO CHANGE TO USE EGRESS OR OCCUPANCY UNDER THIS APPLICATION



Review is requested under Building Code: 2008

SITE FILL: NOT APPLICABLE

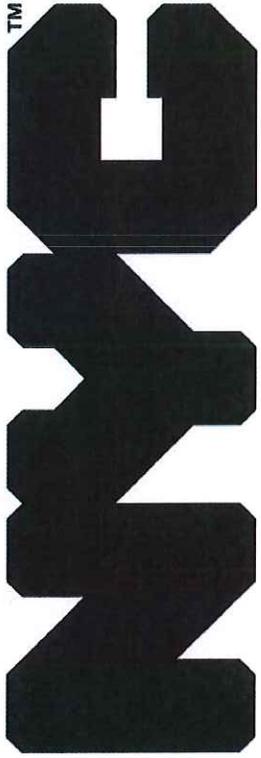
To see a Zoning Diagram (ZD1) or to challenge a zoning approval filed as part of a New Building application or Alteration application filed after 7/13/2009, please use "My Community" on the Buildings Department web site at www.nyc.gov/buildings.

Emergency Telephone Day or Night: 311

Borough Commissioner:

Commissioner of Buildings:

This permit copy created on 06/03/2019 reflects the Commissioner(s) as of such date. Tampering with or knowingly making a false entry in or falsely altering this permit is a crime that is punishable by a fine, imprisonment or both. 04 06/03/2019



Buildings



Work Permit Department of Buildings

Permit Number: 440518619-01-EQ-OT

Issued: 11/05/2018 Expires: 11/05/2019

Address: QUEENS 47-40 CENTER BOULEVARD

Issued to: STEPHEN LEVAN
Business: TRITON STRUCTURAL CONCRET
Contractor No: GC-604939

Description of Work:

ALTERATION TYPE 2 - CONSTRUCTION EQUIPMENT - OTHER USE OF MANITOU TELEHANDLER CONSTRUCTION EQUIPMENT AS PER PLANS FILED HERewith. FILED IN CONJUNCTION WITH NB - 420606829.



Number of dwelling units occupied during construction: 0
Review is requested under Building Code: 2014

SITE FILL: NOT APPLICABLE

To see a Zoning Diagram (ZD1) or to challenge a zoning approval filed as part of a New Building application or Alteration application filed after 7/13/2009, please use "My Community" on the Buildings Department web site at www.nyc.gov/buildings.

Emergency Telephone Day or Night: 311

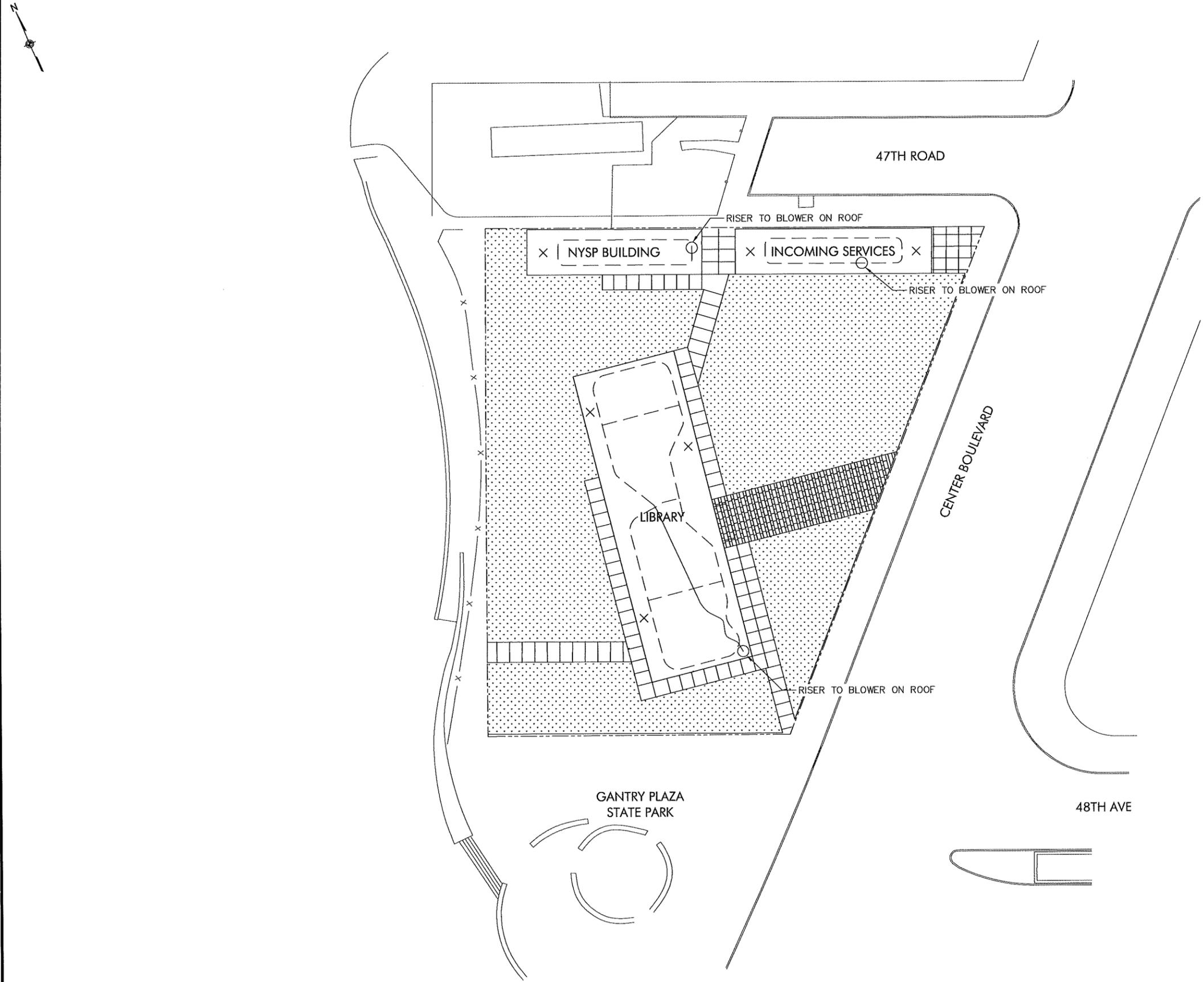
Borough Commissioner:

Commissioner of Buildings:

This permit copy created on 06/03/2019 reflects the Commissioner(s) as of such date.
Tampering with or knowingly making a false entry in or falsely altering this permit is a crime that is punishable by a fine, imprisonment or both.
06/03/2019

Attachment 3
As-Built Drawings – SSDS and Final Cover System

V:\NYCDDC\17-155-0285 - 2017 DDC 06ES\Design\Phase 1 - Phase I\QW Hunters Point Library\15458 2019 Periodic Review Report\Hunters Point SMD System Plan.dwg 12/31/2019 12:22 PM



LEGEND

- 6" SSDS PERFORATED PIPE
- 6" SSDS SOLID PIPE
- 4" SSDS RISER TO ROOF
- × SUB-SLAB MONITORING POINT

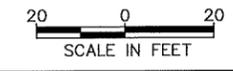
REVISIONS:

NUMBER	DESCRIPTION	DATE

NYC DDC Department of Design and Construction

LiRo Engineers, Inc.
3 Aerial Way, Syosset, New York

DIVISION OF PUBLIC BUILDINGS
CAPITAL PROJECT NUMBER:
LQD122-QW
PROJECT:
CONSTRUCTION MANAGEMENT/DESIGN/BUILD FOR REMEDIATION AND MONITORING OF CITY-OWNED PETROLEUM CONTAMINATED SITES, BOROUGHES OF QUEENS, BROOKLYN AND STATEN ISLAND
QUEENS WEST (HUNTERS POINT) PARCEL B
PARCEL WEST OF CENTER BLVD.
B/W 47th RD. AND 48th AVE.
FOR THE:



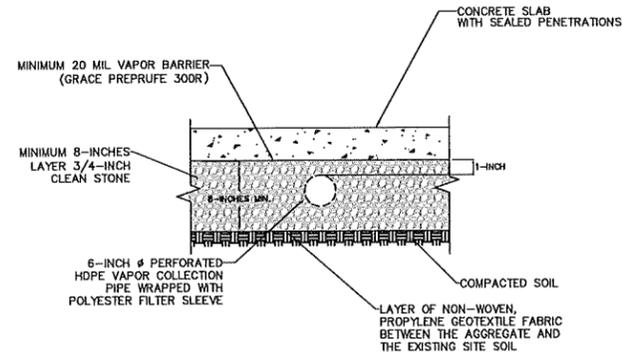
DOB APPROVAL STAMP

SEAL & SIGNATURE

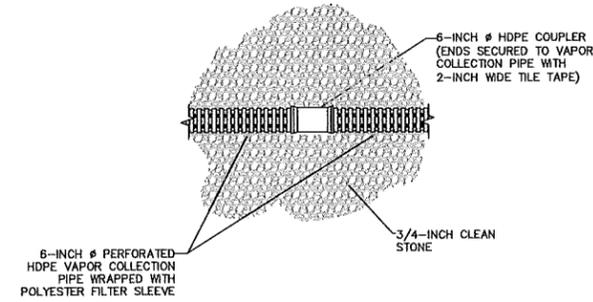
DATE: 2 JANUARY, 2020
PROJECT NO: 17-155-0265
DRAWING BY: A.M.K.
CHECKED BY: H.L.W.
SCALE: 3-1
SHEET NO: 1

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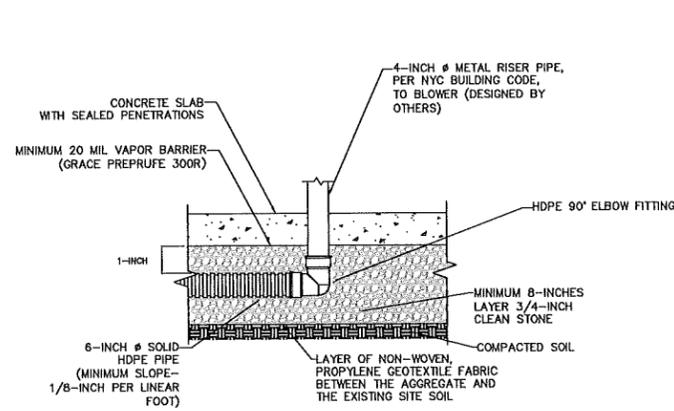
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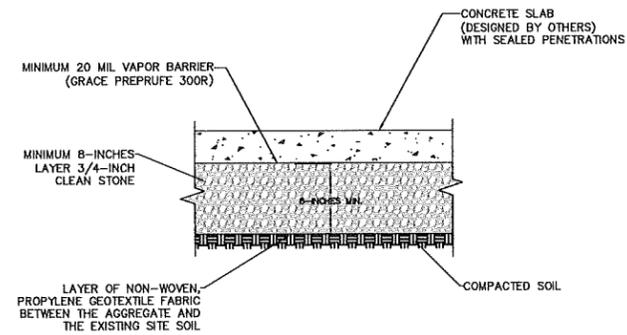
TYPICAL SECTION FOR VAPOR CONNECTION
PIPE AND VAPOR BARRIER



TYPICAL COUPLER CONNECTION FOR VAPOR COLLECTION PIPE

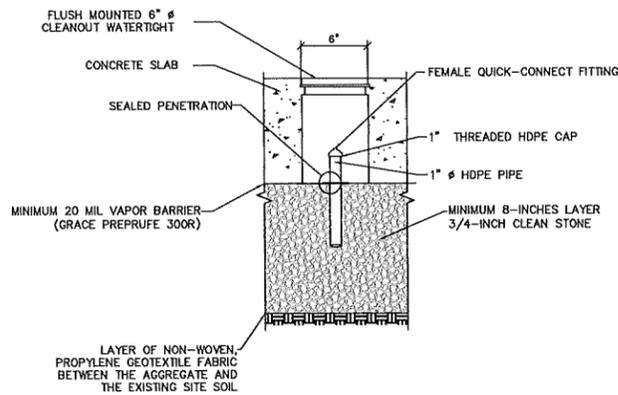


TYPICAL SECTION AT SOLID PIPE TO RISER PIPE



TYPICAL SECTION THROUGH SUB-SLAB

NOTE:
1. ANY DEVIATION FROM THIS INSTALLATION MUST BE SUBMITTED FOR APPROVAL.



SUB-SLAB MONITORING POINT DETAIL

REVISIONS:

NUMBER	DESCRIPTION	DATE

NYC Department of
DDC Design and
Construction

LiRo Engineers, Inc.
3 Aerial Way, Syosset, New York

DIVISION OF PUBLIC BUILDINGS
CAPITAL PROJECT NUMBER:
LQD122-QW
PROJECT:
CONSTRUCTION MANAGEMENT/DESIGN/BUILD FOR
REMEDIATION AND MONITORING OF CITY-OWNED
PETROLEUM CONTAMINATED SITES, BOROUGHES OF
QUEENS, BROOKLYN AND STATEN ISLAND
QUEENS WEST (HUNTERS POINT) PARCEL 8
PARCEL WEST OF CENTER BLVD.
B/W 47th RD. AND 48th AVE.
FOR THE:

NOT TO SCALE

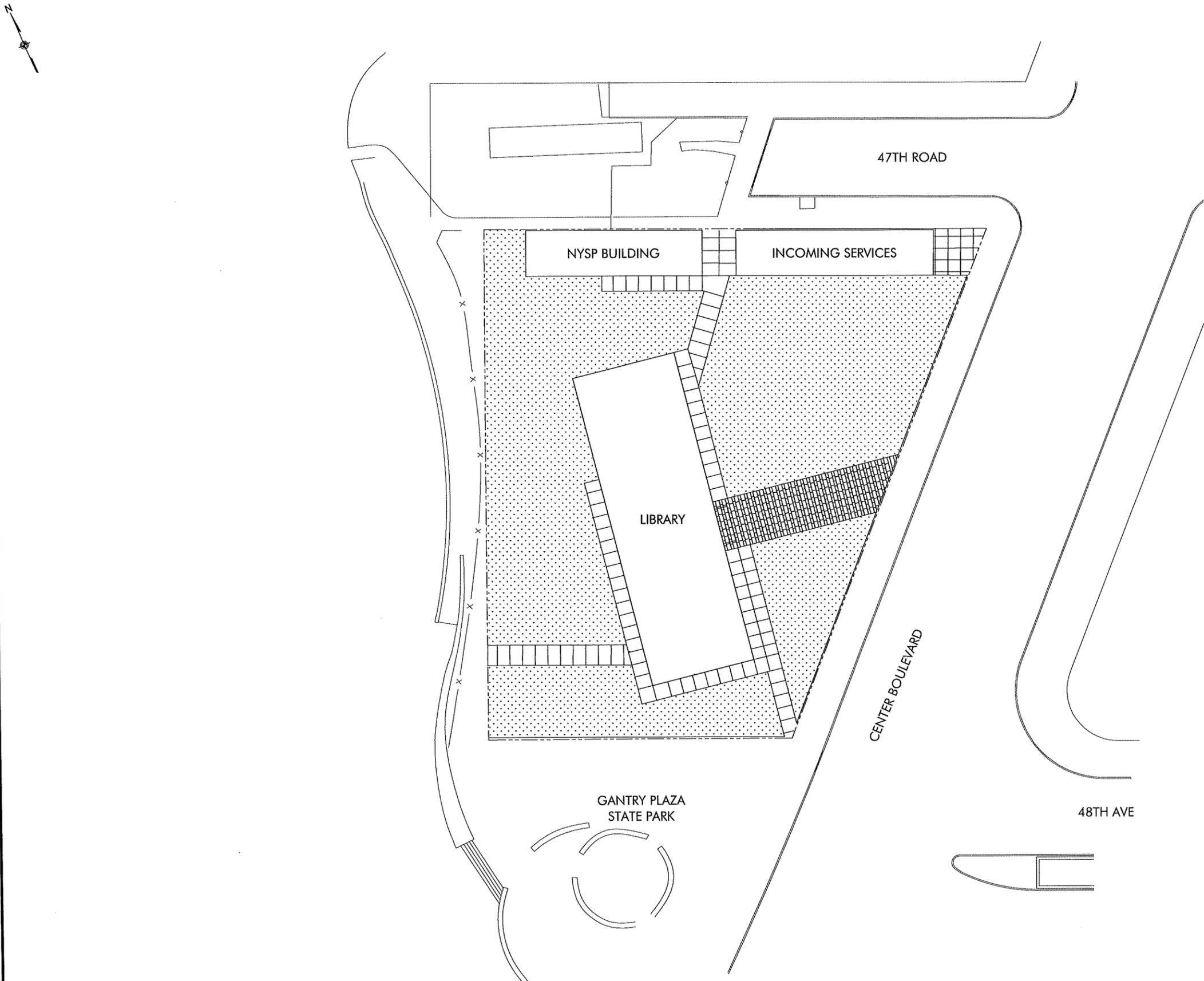
DOB APPROVAL STAMP

SEAL & SIGNATURE

DATE: 2 JANUARY, 2020
PROJECT NO: 17-155-0285
DRAWN BY: A.M.K.
CHECKED BY: M.J.W.
SCALE: 3-2
CADD FILE NO: 17-155-0285-SSD System Detail

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LEGEND

-  CONCRETE PLANK
-  CONCRETE SIDEWALK
-  LAWN/LANDSCAPE

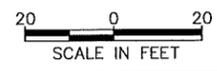
REVISIONS:

NUMBER	DESCRIPTION	DATE

NYC DDG Department of Design and Construction

LiRo Engineers, Inc.
3 Aerial Way, Syosset, New York

DIVISION OF PUBLIC BUILDINGS
CAPITAL PROJECT NUMBER:
LQD122-QW
PROJECT:
CONSTRUCTION MANAGEMENT/DESIGN/BUILD FOR
REMEDATION AND MONITORING OF CITY-OWNED
PETROLEUM CONTAMINATED SITES, BOROUGHES OF
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QUEENS WEST (HUNTERS POINT) PARCEL 8
PARCEL WEST OF CENTER BLVD.
B/W 47th RD. AND 48th AVE.
FOR THE:



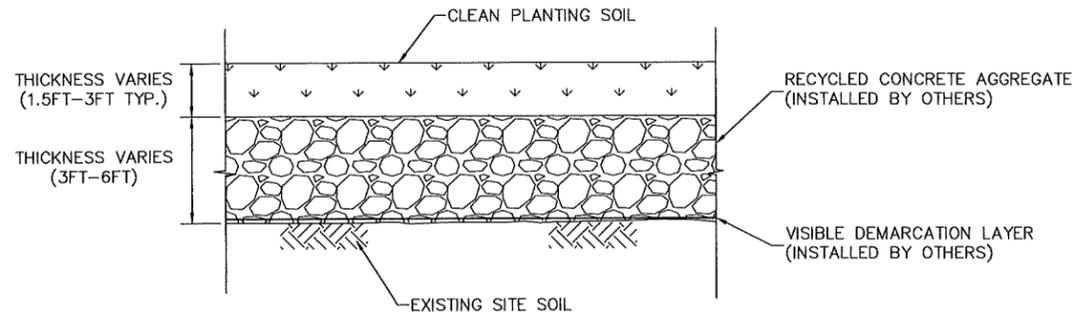
DOB APPROVAL STAMP

STATE OF NEW YORK
LITTON J. WESOLOWSKI
LICENSED PROFESSIONAL ENGINEER
NO. 074266

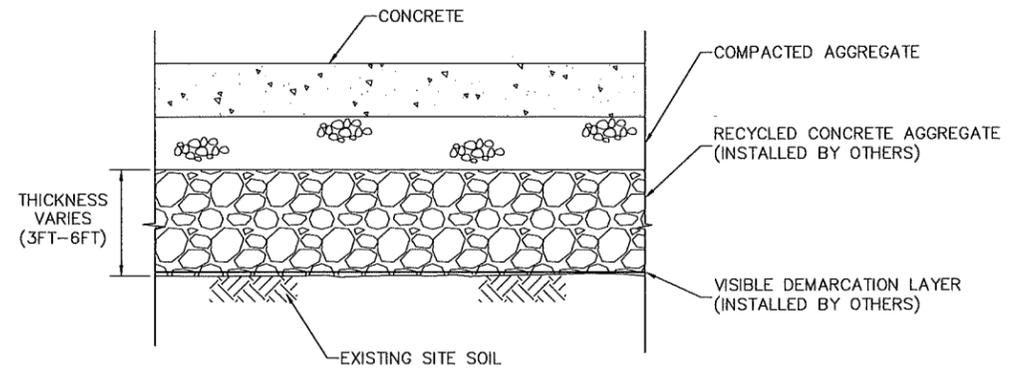
DATE:	2 JANUARY, 2020
PROJECT NO.:	17-155-0265
DRAWN BY:	A.M.K.
CHECK BY:	M.J.W.
FIGURE NUMBER:	3-3
FIGURE FILE NO.:	1

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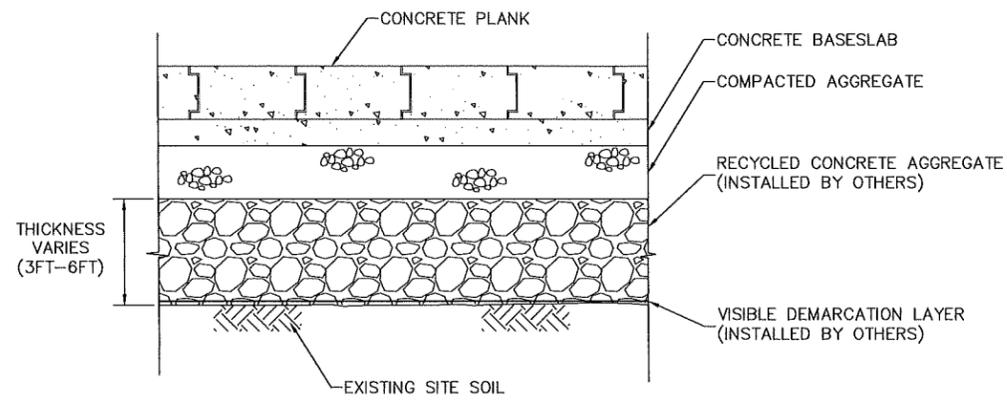
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CLEAN SOIL COVER (LAWN AREAS)



CONCRETE COVER (SIDEWALKS)



CONCRETE PLANK COVER

REVISIONS:

NUMBER	DESCRIPTION	DATE



DIVISION OF PUBLIC BUILDINGS
 CAPITAL PROJECT NUMBER:
 LQD122-QW
 PROJECT:
 CONSTRUCTION MANAGEMENT/DESIGN/BUILD FOR
 REMEDIATION AND MONITORING OF CITY-OWNED
 PETROLEUM CONTAMINATED SITES, BOROUGHES OF
 QUEENS, BROOKLYN AND STATEN ISLAND
 QUEENS WEST (HUNTERS POINT) PARCEL 8
 PARCEL WEST OF CENTER BLVD.
 B/W 47th RD. AND 48th AVE.
 FOR THE:

NOT TO SCALE

DOB APPROVAL STAMP

SECTIONS

DATE: 2 JANUARY, 2020
 PROJECT NO: 17-155-0285
 DRAWING BY: A.J.L.K.
 SCALE: A.L.W.
 SHEET NUMBER: 3-4
 CADD FILE NO: 17-155-0285
 Hunters Point Cover Details



WARNING

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Attachment 4

**MEMO REPORT: 2018-2019 Periodic Review Report (PRR) Update and
Sub-Slab Depressurization Systems (SSDS) Baseline/Start-up Testing**



MEMORANDUM

TO: Cavy Chu
Deputy Director, Office of Geotechnical and Environmental Services
Division of Safety and Site Support
New York City Department of Design and Construction
30-30 Thomson Avenue, Third Floor
Long Island City, New York 11101

FROM: LiRo Engineers, Inc.

DATE: September 20, 2019

SUBJECT: MEMO REPORT: 2018-2019 Periodic Review Report (PRR) Update and Sub-Slab Depressurization Systems (SSDS) Baseline/Start-up Testing Queens West Hunters Point Community Library Parcel West of Central Boulevard between 47th Road and 48th Avenue Queens, New York
NYCDDC Project # LQD122-QW
WOL No.: 15670-LIRO-3-R-15331

LiRo Engineers, Inc. (LiRo), on behalf of the New York City Department of Design and Construction (NYCDDC) Office of Environmental and Geotechnical Services (OEGS), is providing this update to the Periodic Review Report (PRR) dated June 14, 2019 for the period of May 16, 2018 – May 16, 2019. The PRR was prepared for the Queens West Hunters Point Community Library site (New York State Department of Environmental Conservation [NYSDEC] Brownfield Cleanup Program [BCP] Site #C241087). Figure 1 shows the site location.

In that PRR, LiRo stated that soil had been imported as part of the final cover system at the Site. Analytical data for the imported material was requested from project personnel, however; such information had not been received by June 14, 2019 for inclusion in the PRR. LiRo included in the PRR a Corrective Measures Work Plan to address the absence of data required to certify that the Site Cover System was constructed in compliance with the requirements of the Site Management Plan (SMP).

Subsequent to the 2018-2019 PRR reporting period, the building sub-slab depressurization systems (SSDS) were readied for operation. LiRo conducted baseline testing of the systems and start-up testing required by the SMP prior to building occupancy. The results from the SSDS testing are also included in this PRR update.

Imported Soil

LiRo acquired information on the source and quantity of imported topsoil, as well as prior analytical testing results from project personnel. The imported topsoil was obtained from Advanced Soil Technologies - 39 Edgeboro Rd., East Brunswick, New Jersey, and consisted of native sand from permitted mines in New Jersey amended with topsoil from Somerset, New Jersey and compost.



A total of 2,500 cubic yards of the Advanced Soil Technologies was imported to the Site. Prior to import, the material was sampled by Taylord Environment, Inc. of Wingdale, New York at a frequency specified in NYSDEC DER-10 Table 5.4(e)10. The analytical testing included 21 volatile organic compounds (VOCs) grab samples and six composite samples analyzed for semi-volatile organic compounds (SVOCs), inorganics, chlorinated herbicides, PCBs, and pesticides. There were no organic analytes detected in the samples. The inorganic analyte testing results were compared to the re-use criteria listed in Table 3 of the SMP and are summarized in Table 1 of this memo report. The results of the soil sampling are in compliance with the re-use criteria. LiRo prepared a NYSDEC request to import soil dated August 8, 2019 (see Attachment 1), which includes the laboratory reports and relevant soil source information.

According to the SMP, a minimum two-foot thick clean soil cover layer was placed at the Site prior to the landscaping work. The topsoils imported for landscaping were placed on top of the existing clean soil cover layer. The portion of the Site where topsoil was placed is shown on Figure 2. After construction is complete, a final composite cover system figure will be prepared to append to the SMP.

Based on the documentation showing imported soils meeting the requirements of the SMP, LiRo updated the PRR Certification form for the period May 16, 2018 – May 16, 2019. The updated Certification is provided in Attachment 2.

SSDS Baseline and Start-up Testing

Between August 7, 2019 and September 6, 2019, LiRo completed baseline and start-up testing of the SSDS in accordance with SMP requirements. Baseline testing included sub-slab pressure monitoring with the system off and with the system on, as well as smoke testing with the system on.

For the baseline testing on August 7, 2019, pressure measurements were recorded at existing monitoring/sampling points using an Omniguard Differential Pressure Recorder. A Photoionization Detector (PID) was used to record total organic vapors at each monitoring point. The results of the testing are summarized in Table 2. Smoke testing did not indicate any evidence of leaks through the floor slab.

On August 12, August 23, August 30, and September 6, 2019, LiRo performed weekly sub-slab pressure monitoring with the system operating. For the weekly monitoring, pressure measurements were recorded at existing monitoring/sampling points using a magnehelic pressure gauge. The results of the weekly monitoring are summarized in Table 3. The SSDS has exceeded the operational goal of achieving a minimum differential pressure of 0.01 inches of water column during the first month of continuous operation.

System baseline and start-up testing indicate that the system is performing in compliance with SSDS requirements. Going forward quarterly monitoring should be conducted in compliance with the SMP.

Site Turnover

The Library construction project is nearing completion and the Site will soon be turned over to Queens Public Library for future SMP-required monitoring and reporting. The City is conducting third quarter 2019 groundwater sampling and reporting. The City will also provide the updated final composite cover system figure to append to the SMP and as-built drawings for the SSDS. Monitoring and reporting beyond that will be the responsibility of Queens Public library.



Report Prepared By:

A handwritten signature in black ink that reads "Stephen Frank".

Stephen Frank, PG
Senior Geologist

Report Reviewed By:

A handwritten signature in black ink that reads "Martin Wesolowski".

Martin Wesolowski, PE
Professional Engineer

Report Reviewed By:

A handwritten signature in black ink that reads "Robert Kreuzer".

Robert Kreuzer
Project Manager

FIGURES

Figure 1 – Topographic Site Location Map

Figure 2 – Soil Placement Plan

TABLES

Table 1 - Inorganics Detected in Imported Soil

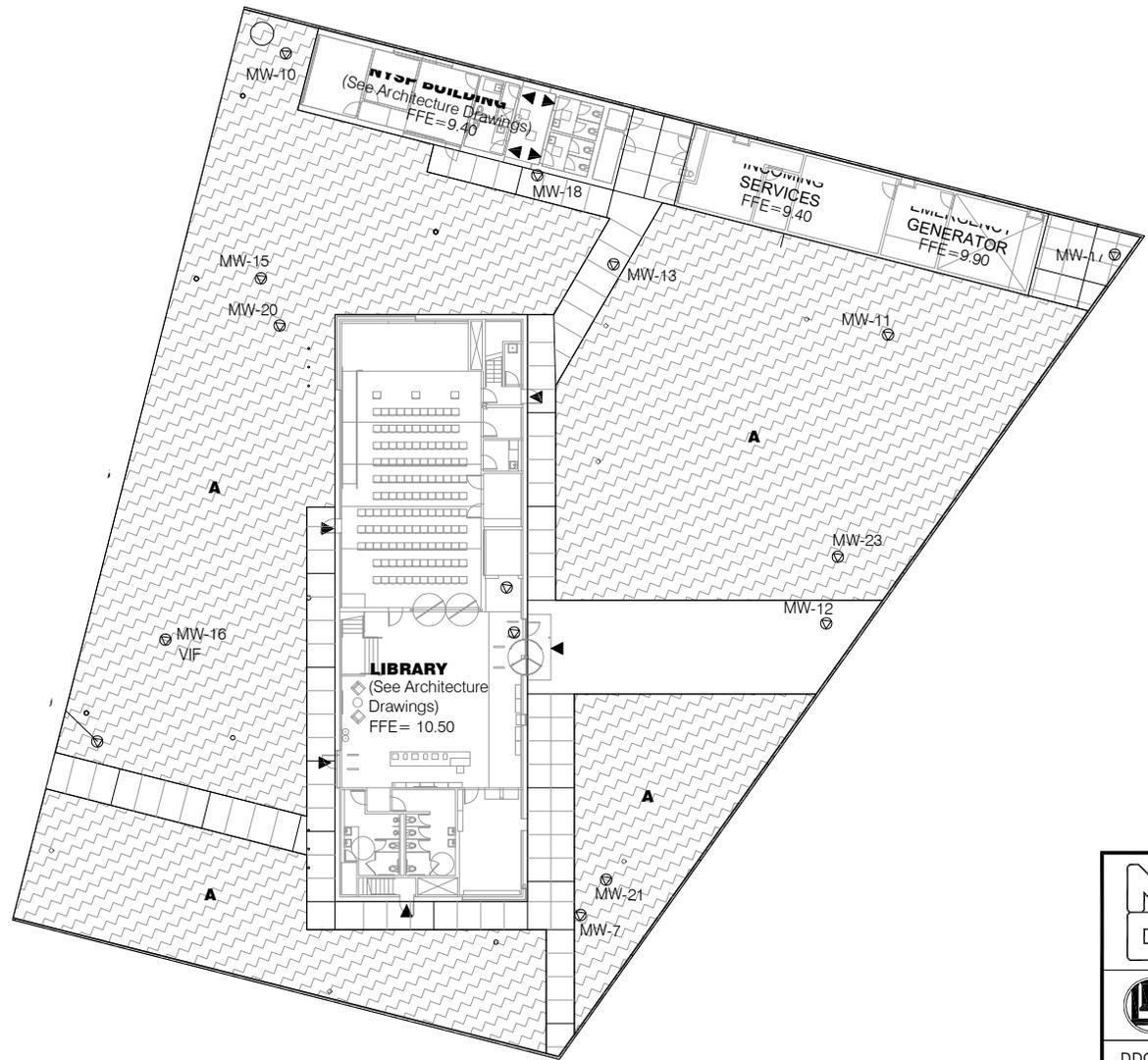
Table 2 - Summary of SSDS Baseline Testing

Table 3 - Summary of SSDS Weekly Monitoring

ATTACHMENTS

Attachment 1 – NYSDEC Imported Soil Request

Attachment 2 – Certification



SOILS LEGEND

 TOP SOIL

NYC DDC Department of Design and Construction

 **LiRo Engineers, Inc.**
3 Aerial Way, Syosset, New York

DDC ID NO: LQD122-QW WOL NO: 15670-LIRO-3-R-15331

SOIL PLACEMENT PLAN

QUEENS WEST (HUNTERS POINT) PARCEL 8
PARCEL WEST OF CENTER BLVD.
B/W 47th RD. AND 48th AVE.
NYSDEC Site: C241087
QUEENS, NY

SCALE: AS SHOWN DATE: 09/2019 FIGURE: 2

NOTE:

DRAWING SOURCE IS NYCDDC SOILS PLAN (DRAWING L-500). THIS PLAN DEPICTS SEVERAL MONITORING WELLS WHICH WERE ABANDONED DURING THE COURSE OF CONSTRUCTION.



TABLE 1

**Inorganics Detected in Imported Soil
Queens West Hunters Point Community Library
Parcel West of Central Boulevard between 47th Road and 48th Avenue
Queens, New York
BCP Site No. C241087**

Metal	SMP Criteria for Imported Soil	Sample ID and Date Collected					
		SP-1 COMP 1	SP-1 COMP 2	SP-2 COMP 1	SP-2 COMP 2	SP-3 COMP 1	SP-3 COMP 2
		4/22/2019	4/22/2019	4/29/2019	4/29/2019	5/23/2019	5/23/2019
Silver	8.3	ND	ND	ND	ND	ND	ND
Arsenic	16	0.78	ND	0.79	ND	1.56	2.02
Barium	400	3.03	2.17	14.3	10.8	39	41.5
Beryllium	47	ND	ND	ND	ND	ND	ND
Cadmium	7.5	ND	ND	ND	ND	ND	0.41
Hexavalent Chromium	19	ND	ND	ND	ND	ND	ND
Copper	270	0.8	ND	2.6	2.0	11.9	15.9
Mercury	0.73	ND	ND	ND	ND	0.04	ND
Manganese	2,000	11.5	9.43	71.1	53.5	198	225
Nickel	130	ND	ND	2.08	1.94	6.25	7.67
Lead	450	1.61	1.34	3.05	2.75	15.80	16.40
Selenium	4	ND	ND	ND	ND	ND	ND
Trivalent Chromium	1,500	14.1	2.6	4.2	4.53	9.52	9.33
Zinc	2,480	3.3	1.7	8.2	7.2	36.2	38.8

Notes:

All concentrations are reported in parts per million (ppm or mg/kg)

SMP criteria from Table 3 of SMP (6 NYCRR Part 375-6.7(d), Commercial Use)

ND = Parameter not detected above minimum detection limits (MDL)

TABLE 2

**Summary of SSDS Baseline Testing
Queens West Hunters Point Community Library
Parcel West of Central Boulevard between 47th Road and 48th Avenue
Queens, New York
BCP Site No. C241087**

Sample Location	Time	Blower Status	PID Reading*	Pressure Reading**	Time	Blower Status	Pressure Reading**
Library -1	0800	Off	0	-0.004	1130	On	-0.25
Library -1	0905	Off	0	-0.008	1230	On	-0.25
Library -1	1005	Off	0	-0.008	1330	On	-0.25
Library -2	0920	Off	0	-0.004	1140	On	-0.25
Library -2	1020	Off	0	-0.008	1240	On	-0.25
Library -2	1120	Off	0	-0.019	1340	On	-0.25
Parks Bldg	0810	Off	0	-0.005	1140	On	-0.25
Parks Bldg	0910	Off	0	-0.005	1240	On	-0.25
Parks Bldg	1010	Off	0	-0.009	1340	On	-0.25
ISB Bldg	0845	Off	0	-0.003	1100	On	-0.25
ISB Bldg	0945	Off	0	-0.005	1200	On	-0.25
ISB Bldg	1045	Off	0	-0.003	1300	On	-0.25

Notes:

* - All PID Readings in parts per million (ppm)

** - All Pressure Readings in inches water

Library - 1 Custodial Closet
Library - 2 IT Room
Parks Bldg West End
ISB Bldg East End

TABLE 3

**Summary of SSDS Weekly Monitoring
Queens West Hunters Point Community Library
Parcel West of Central Boulevard between 47th Boulevard and 48th Avenue
Queens, New York
BCP Site No. C241087**

Date	Library-1	Library-2	Parks Bldg	ISB Bldg
8/15/2019	0.60	0.54	0.86	0.30
8/23/2019	0.69	0.69	0.91	0.35
8/30/2019	0.65	0.63	0.90	0.32
9/6/2019	0.64	0.62	0.92	0.33

Notes:

All pressure Readings in inches water column

Library-1 Custodial Closet

Library-2 IT Room

Parks Bldg West End

ISB Bldg East End

Attachment 1

NYSDEC Imported Soil Request



**NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION**



Request to Import/Reuse Fill or Soil

This form is based on the information required by DER-10, Section 5.4(e). Use of this form is not a substitute for reading the applicable Technical Guidance document.

SECTION 1 – SITE BACKGROUND

The allowable site use is:

Have Ecological Resources been identified?

Is this soil originating from the site?

How many cubic yards of soil will be imported/reused?

If greater than 1000 cubic yards will be imported, enter volume to be imported:

SECTION 2 – MATERIAL OTHER THAN SOIL

Is the material to be imported gravel, rock or stone?

Does it contain less than 10%, by weight, material that would pass a size 80 sieve?

Is this virgin material from a permitted mine or quarry? sand component is mined

Is this material recycled concrete or brick from a DEC registered processing facility?

SECTION 3 - SAMPLING

Provide a brief description of the number and type of samples collected in the space below:

21 discrete samples were collected and analyzed for VOCs. 6 composite samples were collected and analyzed for SVOCs, inorganics, chlorinated herbicides & PCBs/pesticides.

The sources for the sand are permitted mines in New Jersey. The sand is amended with topsoil from Somerset, NJ and compost.

Example Text: 5 discrete samples were collected and analyzed for VOCs. 2 composite samples were collected and analyzed for SVOCs, Inorganics & PCBs/Pesticides.

If the material meets requirements of DER-10 section 5.5 (other material), no chemical testing needed.

SECTION 3 CONT'D - SAMPLING

Provide a brief written summary of the sampling results or attach evaluation tables (compare to DER-10, Appendix 5):

All analyses reported non-detect for all organic compounds. Metals were detected. None of the metals concentrations exceeded commercial use or protection of groundwater SCOs.

Example Text: Arsenic was detected up to 17 ppm in 1 (of 5) samples; the allowable level is 16 ppm.

If Ecological Resources have been identified use the "If Ecological Resources are Present" column in Appendix 5.

SECTION 4 – SOURCE OF FILL

Name of person providing fill and relationship to the source:

Prima Paving - Customer of source

Location where fill was obtained:

Advanced Soil Technologies - 39 Edgeboro Rd, East Brunswick NJ

Identification of any state or local approvals as a fill source:

NJ Mine registrations

If no approvals are available, provide a brief history of the use of the property that is the fill source:

See attached certificates of origin

Provide a list of supporting documentation included with this request:

Phoenix Environmental Laboratories Analytical reports GCC99892, GCD03374, and GCD20685.
NJ Mine Registration Certificates.
Certificates of Origin

The information provided on this form is accurate and complete.

Stephen Frank

Digitally signed by Stephen Frank
DN: cn=Stephen Frank, o=LiRo Engineers,
inc. ou, email=franks@liro.com, c=US
Date: 2019.08.08 09:55:05 -04'00'

Signature

08/08/2019

Date

Stephen Frank

Print Name

LiRo Engineers, Inc

Firm



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



Analysis Report

May 24, 2019

FOR: Attn: Mr. Scott Taylor
 Taylord Environment, Inc.
 PO BOX 613
 Wingdale, NY 12594

Sample Information

Matrix: SOIL
 Location Code: TAYLORD
 Rush Request: 24 Hour
 P.O.#:

Custody Information

Collected by: ST
 Received by: CP
 Analyzed by: see "By" below

Date

05/23/19
 05/23/19

Time

16:36

Laboratory Data

SDG ID: GCD20685
 Phoenix ID: CD20685

Project ID: ADVANCED SOIL 39 EDGEBORO RD (S1)
 Client ID: SP-3 GRAB VOC 1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.9	ug/Kg	1	05/24/19	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1	05/24/19	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	360	ug/Kg	50	05/24/19	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.9	ug/Kg	1	05/24/19	JLI	SW8260C
1,1-Dichloroethane	ND	5.9	ug/Kg	1	05/24/19	JLI	SW8260C
1,1-Dichloroethene	ND	5.9	ug/Kg	1	05/24/19	JLI	SW8260C
1,1-Dichloropropene	ND	5.9	ug/Kg	1	05/24/19	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	600	ug/Kg	50	05/24/19	JLI	SW8260C
1,2,3-Trichloropropane	ND	600	ug/Kg	50	05/24/19	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	600	ug/Kg	50	05/24/19	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	600	ug/Kg	50	05/24/19	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.9	ug/Kg	1	05/24/19	JLI	SW8260C
1,2-Dibromoethane	ND	5.9	ug/Kg	1	05/24/19	JLI	SW8260C
1,2-Dichlorobenzene	ND	600	ug/Kg	50	05/24/19	JLI	SW8260C
1,2-Dichloroethane	ND	5.9	ug/Kg	1	05/24/19	JLI	SW8260C
1,2-Dichloropropane	ND	5.9	ug/Kg	1	05/24/19	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	600	ug/Kg	50	05/24/19	JLI	SW8260C
1,3-Dichlorobenzene	ND	600	ug/Kg	50	05/24/19	JLI	SW8260C
1,3-Dichloropropane	ND	5.9	ug/Kg	1	05/24/19	JLI	SW8260C
1,4-Dichlorobenzene	ND	600	ug/Kg	50	05/24/19	JLI	SW8260C
2,2-Dichloropropane	ND	5.9	ug/Kg	1	05/24/19	JLI	SW8260C
2-Chlorotoluene	ND	600	ug/Kg	50	05/24/19	JLI	SW8260C
2-Hexanone	ND	30	ug/Kg	1	05/24/19	JLI	SW8260C
2-Isopropyltoluene	ND	600	ug/Kg	50	05/24/19	JLI	SW8260C
4-Chlorotoluene	ND	600	ug/Kg	50	05/24/19	JLI	SW8260C
4-Methyl-2-pentanone	ND	30	ug/Kg	1	05/24/19	JLI	SW8260C

Client ID: SP-3 GRAB VOC 1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	50	ug/Kg	1	05/24/19	JLI	SW8260C
Acrylonitrile	ND	5.9	ug/Kg	1	05/24/19	JLI	SW8260C
Benzene	ND	5.9	ug/Kg	1	05/24/19	JLI	SW8260C
Bromobenzene	ND	600	ug/Kg	50	05/24/19	JLI	SW8260C
Bromochloromethane	ND	5.9	ug/Kg	1	05/24/19	JLI	SW8260C
Bromodichloromethane	ND	5.9	ug/Kg	1	05/24/19	JLI	SW8260C
Bromoform	ND	5.9	ug/Kg	1	05/24/19	JLI	SW8260C
Bromomethane	ND	5.9	ug/Kg	1	05/24/19	JLI	SW8260C
Carbon Disulfide	ND	5.9	ug/Kg	1	05/24/19	JLI	SW8260C
Carbon tetrachloride	ND	5.9	ug/Kg	1	05/24/19	JLI	SW8260C
Chlorobenzene	ND	5.9	ug/Kg	1	05/24/19	JLI	SW8260C
Chloroethane	ND	5.9	ug/Kg	1	05/24/19	JLI	SW8260C
Chloroform	ND	5.9	ug/Kg	1	05/24/19	JLI	SW8260C
Chloromethane	ND	5.9	ug/Kg	1	05/24/19	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.9	ug/Kg	1	05/24/19	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.9	ug/Kg	1	05/24/19	JLI	SW8260C
Dibromochloromethane	ND	3.5	ug/Kg	1	05/24/19	JLI	SW8260C
Dibromomethane	ND	5.9	ug/Kg	1	05/24/19	JLI	SW8260C
Dichlorodifluoromethane	ND	5.9	ug/Kg	1	05/24/19	JLI	SW8260C
Ethylbenzene	ND	5.9	ug/Kg	1	05/24/19	JLI	SW8260C
Hexachlorobutadiene	ND	600	ug/Kg	50	05/24/19	JLI	SW8260C
Isopropylbenzene	ND	600	ug/Kg	50	05/24/19	JLI	SW8260C
m&p-Xylene	ND	5.9	ug/Kg	1	05/24/19	JLI	SW8260C
Methyl Ethyl Ketone	ND	35	ug/Kg	1	05/24/19	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	1	05/24/19	JLI	SW8260C
Methylene chloride	ND	12	ug/Kg	1	05/24/19	JLI	SW8260C
Naphthalene	ND	600	ug/Kg	50	05/24/19	JLI	SW8260C
n-Butylbenzene	ND	600	ug/Kg	50	05/24/19	JLI	SW8260C
n-Propylbenzene	ND	600	ug/Kg	50	05/24/19	JLI	SW8260C
o-Xylene	ND	5.9	ug/Kg	1	05/24/19	JLI	SW8260C
p-Isopropyltoluene	ND	600	ug/Kg	50	05/24/19	JLI	SW8260C
sec-Butylbenzene	ND	600	ug/Kg	50	05/24/19	JLI	SW8260C
Styrene	ND	5.9	ug/Kg	1	05/24/19	JLI	SW8260C
tert-Butylbenzene	ND	600	ug/Kg	50	05/24/19	JLI	SW8260C
Tetrachloroethene	ND	5.9	ug/Kg	1	05/24/19	JLI	SW8260C
Tetrahydrofuran (THF)	ND	12	ug/Kg	1	05/24/19	JLI	SW8260C
Toluene	ND	5.9	ug/Kg	1	05/24/19	JLI	SW8260C
Total Xylenes	ND	5.9	ug/Kg	1	05/24/19	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.9	ug/Kg	1	05/24/19	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.9	ug/Kg	1	05/24/19	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	1200	ug/Kg	50	05/24/19	JLI	SW8260C
Trichloroethene	ND	5.9	ug/Kg	1	05/24/19	JLI	SW8260C
Trichlorofluoromethane	ND	5.9	ug/Kg	1	05/24/19	JLI	SW8260C
Trichlorotrifluoroethane	ND	12	ug/Kg	1	05/24/19	JLI	SW8260C
Vinyl chloride	ND	5.9	ug/Kg	1	05/24/19	JLI	SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	93		%	1	05/24/19	JLI	70 - 130 %
% Bromofluorobenzene	82		%	1	05/24/19	JLI	70 - 130 %
% Dibromofluoromethane	101		%	1	05/24/19	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	92		%	1	05/24/19	JLI	70 - 130 %
% 1,2-dichlorobenzene-d4 (50x)	101		%	50	05/24/19	JLI	70 - 130 %
% Bromofluorobenzene (50x)	100		%	50	05/24/19	JLI	70 - 130 %
% Dibromofluoromethane (50x)	100		%	50	05/24/19	JLI	70 - 130 %
% Toluene-d8 (50x)	98		%	50	05/24/19	JLI	70 - 130 %
1,4-dioxane							
1,4-dioxane	ND	89	ug/kg	1	05/24/19	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	93		%	1	05/24/19	JLI	70 - 130 %
% Bromofluorobenzene	82		%	1	05/24/19	JLI	70 - 130 %
% Dibromofluoromethane	101		%	1	05/24/19	JLI	70 - 130 %
% Toluene-d8	92		%	1	05/24/19	JLI	70 - 130 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	24	ug/Kg	1	05/24/19	JLI	SW8260C
Acrolein	ND	5.9	ug/Kg	1	05/24/19	JLI	SW8260C
Acrylonitrile	ND	24	ug/Kg	1	05/24/19	JLI	SW8260C
Tert-butyl alcohol	ND	120	ug/Kg	1	05/24/19	JLI	SW8260C
Methylacetate	ND	5.9	ug/Kg	1	05/24/19	JLI	SW8260C
Field Extraction	Completed				05/23/19		SW5035A

1 = This parameter is not certified by the primary accrediting authority (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 Quantitation) ND=Not Detected at RL/PQL
 BRL=Below Reporting Level L=Biased Low

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

Comments:

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

Volatile Comment:

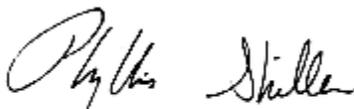
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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 you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

May 24, 2019

Official Report Release To Follow



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



Analysis Report

May 24, 2019

FOR: Attn: Mr. Scott Taylor
 Taylord Environment, Inc.
 PO BOX 613
 Wingdale, NY 12594

Sample Information

Matrix: SOIL
 Location Code: TAYLORD
 Rush Request: 24 Hour
 P.O.#:

Custody Information

Collected by: ST
 Received by: CP
 Analyzed by: see "By" below

Date

05/23/19
 05/23/19

Time

16:36

Laboratory Data

SDG ID: GCD20685
 Phoenix ID: CD20686

Project ID: ADVANCED SOIL 39 EDGEBORO RD (S1)
 Client ID: SP-3 GRAB VOC 2

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1	05/24/19	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	600	ug/Kg	50	05/24/19	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
1,1-Dichloroethane	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
1,1-Dichloroethene	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
1,1-Dichloropropene	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	1000	ug/Kg	50	05/24/19	JLI	SW8260C
1,2,3-Trichloropropane	ND	1000	ug/Kg	50	05/24/19	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	1000	ug/Kg	50	05/24/19	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	1000	ug/Kg	50	05/24/19	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
1,2-Dibromoethane	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
1,2-Dichlorobenzene	ND	1000	ug/Kg	50	05/24/19	JLI	SW8260C
1,2-Dichloroethane	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
1,2-Dichloropropane	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	1000	ug/Kg	50	05/24/19	JLI	SW8260C
1,3-Dichlorobenzene	ND	1000	ug/Kg	50	05/24/19	JLI	SW8260C
1,3-Dichloropropane	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
1,4-Dichlorobenzene	ND	1000	ug/Kg	50	05/24/19	JLI	SW8260C
2,2-Dichloropropane	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
2-Chlorotoluene	ND	1000	ug/Kg	50	05/24/19	JLI	SW8260C
2-Hexanone	ND	27	ug/Kg	1	05/24/19	JLI	SW8260C
2-Isopropyltoluene	ND	1000	ug/Kg	50	05/24/19	JLI	SW8260C
4-Chlorotoluene	ND	1000	ug/Kg	50	05/24/19	JLI	SW8260C
4-Methyl-2-pentanone	ND	27	ug/Kg	1	05/24/19	JLI	SW8260C

Client ID: SP-3 GRAB VOC 2

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	50	ug/Kg	1	05/24/19	JLI	SW8260C
Acrylonitrile	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
Benzene	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
Bromobenzene	ND	1000	ug/Kg	50	05/24/19	JLI	SW8260C
Bromochloromethane	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
Bromodichloromethane	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
Bromoform	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
Bromomethane	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
Carbon Disulfide	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
Carbon tetrachloride	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
Chlorobenzene	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
Chloroethane	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
Chloroform	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
Chloromethane	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
Dibromochloromethane	ND	3.2	ug/Kg	1	05/24/19	JLI	SW8260C
Dibromomethane	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
Dichlorodifluoromethane	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
Ethylbenzene	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
Hexachlorobutadiene	ND	1000	ug/Kg	50	05/24/19	JLI	SW8260C
Isopropylbenzene	ND	1000	ug/Kg	50	05/24/19	JLI	SW8260C
m&p-Xylene	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
Methyl Ethyl Ketone	ND	32	ug/Kg	1	05/24/19	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	1	05/24/19	JLI	SW8260C
Methylene chloride	ND	11	ug/Kg	1	05/24/19	JLI	SW8260C
Naphthalene	ND	1000	ug/Kg	50	05/24/19	JLI	SW8260C
n-Butylbenzene	ND	1000	ug/Kg	50	05/24/19	JLI	SW8260C
n-Propylbenzene	ND	1000	ug/Kg	50	05/24/19	JLI	SW8260C
o-Xylene	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
p-Isopropyltoluene	ND	1000	ug/Kg	50	05/24/19	JLI	SW8260C
sec-Butylbenzene	ND	1000	ug/Kg	50	05/24/19	JLI	SW8260C
Styrene	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
tert-Butylbenzene	ND	1000	ug/Kg	50	05/24/19	JLI	SW8260C
Tetrachloroethene	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
Tetrahydrofuran (THF)	ND	11	ug/Kg	1	05/24/19	JLI	SW8260C
Toluene	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
Total Xylenes	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	2000	ug/Kg	50	05/24/19	JLI	SW8260C
Trichloroethene	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
Trichlorofluoromethane	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
Trichlorotrifluoroethane	ND	11	ug/Kg	1	05/24/19	JLI	SW8260C
Vinyl chloride	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	92		%	1	05/24/19	JLI	70 - 130 %
% Bromofluorobenzene	80		%	1	05/24/19	JLI	70 - 130 %
% Dibromofluoromethane	108		%	1	05/24/19	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	91		%	1	05/24/19	JLI	70 - 130 %
% 1,2-dichlorobenzene-d4 (50x)	102		%	50	05/24/19	JLI	70 - 130 %
% Bromofluorobenzene (50x)	100		%	50	05/24/19	JLI	70 - 130 %
% Dibromofluoromethane (50x)	99		%	50	05/24/19	JLI	70 - 130 %
% Toluene-d8 (50x)	98		%	50	05/24/19	JLI	70 - 130 %
1,4-dioxane							
1,4-dioxane	ND	80	ug/kg	1	05/24/19	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	92		%	1	05/24/19	JLI	70 - 130 %
% Bromofluorobenzene	80		%	1	05/24/19	JLI	70 - 130 %
% Dibromofluoromethane	108		%	1	05/24/19	JLI	70 - 130 %
% Toluene-d8	91		%	1	05/24/19	JLI	70 - 130 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	21	ug/Kg	1	05/24/19	JLI	SW8260C
Acrolein	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
Acrylonitrile	ND	21	ug/Kg	1	05/24/19	JLI	SW8260C
Tert-butyl alcohol	ND	110	ug/Kg	1	05/24/19	JLI	SW8260C
Methylacetate	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
Field Extraction	Completed				05/23/19		SW5035A

1

1 = This parameter is not certified by the primary accrediting authority (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 Quantitation) ND=Not Detected at RL/PQL
 BRL=Below Reporting Level L=Biased Low

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

Comments:

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

Volatile Comment:

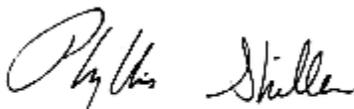
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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.

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Phyllis Shiller, Laboratory Director

May 24, 2019

Official Report Release To Follow



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



Analysis Report

May 24, 2019

FOR: Attn: Mr. Scott Taylor
 Taylord Environment, Inc.
 PO BOX 613
 Wingdale, NY 12594

Sample Information

Matrix: SOIL
 Location Code: TAYLORD
 Rush Request: 24 Hour
 P.O.#:

Custody Information

Collected by: ST
 Received by: CP
 Analyzed by: see "By" below

Date

05/23/19
 05/23/19

Time

16:36

Laboratory Data

SDG ID: GCD20685
 Phoenix ID: CD20687

Project ID: ADVANCED SOIL 39 EDGEBORO RD (S1)
 Client ID: SP-3 GRAB VOC 3

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	5.3	ug/Kg	1	05/24/19	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1	05/24/19	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	330	ug/Kg	50	05/24/19	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.3	ug/Kg	1	05/24/19	JLI	SW8260C
1,1-Dichloroethane	ND	5.3	ug/Kg	1	05/24/19	JLI	SW8260C
1,1-Dichloroethene	ND	5.3	ug/Kg	1	05/24/19	JLI	SW8260C
1,1-Dichloropropene	ND	5.3	ug/Kg	1	05/24/19	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	560	ug/Kg	50	05/24/19	JLI	SW8260C
1,2,3-Trichloropropane	ND	560	ug/Kg	50	05/24/19	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	560	ug/Kg	50	05/24/19	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	560	ug/Kg	50	05/24/19	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.3	ug/Kg	1	05/24/19	JLI	SW8260C
1,2-Dibromoethane	ND	5.3	ug/Kg	1	05/24/19	JLI	SW8260C
1,2-Dichlorobenzene	ND	560	ug/Kg	50	05/24/19	JLI	SW8260C
1,2-Dichloroethane	ND	5.3	ug/Kg	1	05/24/19	JLI	SW8260C
1,2-Dichloropropane	ND	5.3	ug/Kg	1	05/24/19	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	560	ug/Kg	50	05/24/19	JLI	SW8260C
1,3-Dichlorobenzene	ND	560	ug/Kg	50	05/24/19	JLI	SW8260C
1,3-Dichloropropane	ND	5.3	ug/Kg	1	05/24/19	JLI	SW8260C
1,4-Dichlorobenzene	ND	560	ug/Kg	50	05/24/19	JLI	SW8260C
2,2-Dichloropropane	ND	5.3	ug/Kg	1	05/24/19	JLI	SW8260C
2-Chlorotoluene	ND	560	ug/Kg	50	05/24/19	JLI	SW8260C
2-Hexanone	ND	26	ug/Kg	1	05/24/19	JLI	SW8260C
2-Isopropyltoluene	ND	560	ug/Kg	50	05/24/19	JLI	SW8260C
4-Chlorotoluene	ND	560	ug/Kg	50	05/24/19	JLI	SW8260C
4-Methyl-2-pentanone	ND	26	ug/Kg	1	05/24/19	JLI	SW8260C

Client ID: SP-3 GRAB VOC 3

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	50	ug/Kg	1	05/24/19	JLI	SW8260C
Acrylonitrile	ND	5.3	ug/Kg	1	05/24/19	JLI	SW8260C
Benzene	ND	5.3	ug/Kg	1	05/24/19	JLI	SW8260C
Bromobenzene	ND	560	ug/Kg	50	05/24/19	JLI	SW8260C
Bromochloromethane	ND	5.3	ug/Kg	1	05/24/19	JLI	SW8260C
Bromodichloromethane	ND	5.3	ug/Kg	1	05/24/19	JLI	SW8260C
Bromoform	ND	5.3	ug/Kg	1	05/24/19	JLI	SW8260C
Bromomethane	ND	5.3	ug/Kg	1	05/24/19	JLI	SW8260C
Carbon Disulfide	ND	5.3	ug/Kg	1	05/24/19	JLI	SW8260C
Carbon tetrachloride	ND	5.3	ug/Kg	1	05/24/19	JLI	SW8260C
Chlorobenzene	ND	5.3	ug/Kg	1	05/24/19	JLI	SW8260C
Chloroethane	ND	5.3	ug/Kg	1	05/24/19	JLI	SW8260C
Chloroform	ND	5.3	ug/Kg	1	05/24/19	JLI	SW8260C
Chloromethane	ND	5.3	ug/Kg	1	05/24/19	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.3	ug/Kg	1	05/24/19	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.3	ug/Kg	1	05/24/19	JLI	SW8260C
Dibromochloromethane	ND	3.2	ug/Kg	1	05/24/19	JLI	SW8260C
Dibromomethane	ND	5.3	ug/Kg	1	05/24/19	JLI	SW8260C
Dichlorodifluoromethane	ND	5.3	ug/Kg	1	05/24/19	JLI	SW8260C
Ethylbenzene	ND	5.3	ug/Kg	1	05/24/19	JLI	SW8260C
Hexachlorobutadiene	ND	560	ug/Kg	50	05/24/19	JLI	SW8260C
Isopropylbenzene	ND	560	ug/Kg	50	05/24/19	JLI	SW8260C
m&p-Xylene	ND	5.3	ug/Kg	1	05/24/19	JLI	SW8260C
Methyl Ethyl Ketone	ND	32	ug/Kg	1	05/24/19	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	1	05/24/19	JLI	SW8260C
Methylene chloride	ND	11	ug/Kg	1	05/24/19	JLI	SW8260C
Naphthalene	ND	560	ug/Kg	50	05/24/19	JLI	SW8260C
n-Butylbenzene	ND	560	ug/Kg	50	05/24/19	JLI	SW8260C
n-Propylbenzene	ND	560	ug/Kg	50	05/24/19	JLI	SW8260C
o-Xylene	ND	5.3	ug/Kg	1	05/24/19	JLI	SW8260C
p-Isopropyltoluene	ND	560	ug/Kg	50	05/24/19	JLI	SW8260C
sec-Butylbenzene	ND	560	ug/Kg	50	05/24/19	JLI	SW8260C
Styrene	ND	5.3	ug/Kg	1	05/24/19	JLI	SW8260C
tert-Butylbenzene	ND	560	ug/Kg	50	05/24/19	JLI	SW8260C
Tetrachloroethene	ND	5.3	ug/Kg	1	05/24/19	JLI	SW8260C
Tetrahydrofuran (THF)	ND	11	ug/Kg	1	05/24/19	JLI	SW8260C
Toluene	ND	5.3	ug/Kg	1	05/24/19	JLI	SW8260C
Total Xylenes	ND	5.3	ug/Kg	1	05/24/19	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.3	ug/Kg	1	05/24/19	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.3	ug/Kg	1	05/24/19	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	1100	ug/Kg	50	05/24/19	JLI	SW8260C
Trichloroethene	ND	5.3	ug/Kg	1	05/24/19	JLI	SW8260C
Trichlorofluoromethane	ND	5.3	ug/Kg	1	05/24/19	JLI	SW8260C
Trichlorotrifluoroethane	ND	11	ug/Kg	1	05/24/19	JLI	SW8260C
Vinyl chloride	ND	5.3	ug/Kg	1	05/24/19	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	95		%	1	05/24/19	JLI	70 - 130 %
% Bromofluorobenzene	83		%	1	05/24/19	JLI	70 - 130 %
% Dibromofluoromethane	100		%	1	05/24/19	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	92		%	1	05/24/19	JLI	70 - 130 %
% 1,2-dichlorobenzene-d4 (50x)	96		%	50	05/24/19	JLI	70 - 130 %
% Bromofluorobenzene (50x)	97		%	50	05/24/19	JLI	70 - 130 %
% Dibromofluoromethane (50x)	100		%	50	05/24/19	JLI	70 - 130 %
% Toluene-d8 (50x)	96		%	50	05/24/19	JLI	70 - 130 %
1,4-dioxane							
1,4-dioxane	ND	79	ug/kg	1	05/24/19	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	95		%	1	05/24/19	JLI	70 - 130 %
% Bromofluorobenzene	83		%	1	05/24/19	JLI	70 - 130 %
% Dibromofluoromethane	100		%	1	05/24/19	JLI	70 - 130 %
% Toluene-d8	92		%	1	05/24/19	JLI	70 - 130 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	21	ug/Kg	1	05/24/19	JLI	SW8260C
Acrolein	ND	5.3	ug/Kg	1	05/24/19	JLI	SW8260C
Acrylonitrile	ND	21	ug/Kg	1	05/24/19	JLI	SW8260C
Tert-butyl alcohol	ND	110	ug/Kg	1	05/24/19	JLI	SW8260C
Methylacetate	ND	5.3	ug/Kg	1	05/24/19	JLI	SW8260C
Field Extraction	Completed				05/23/19		SW5035A

1 = This parameter is not certified by the primary accrediting authority (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 Quantitation) ND=Not Detected at RL/PQL
 BRL=Below Reporting Level L=Biased Low

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

Comments:

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

Volatile Comment:

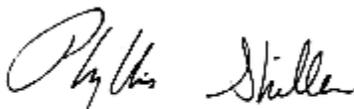
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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 you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

May 24, 2019

Official Report Release To Follow



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



Analysis Report

May 24, 2019

FOR: Attn: Mr. Scott Taylor
 Taylord Environment, Inc.
 PO BOX 613
 Wingdale, NY 12594

Sample Information

Matrix: SOIL
 Location Code: TAYLORD
 Rush Request: 24 Hour
 P.O.#:

Custody Information

Collected by: ST
 Received by: CP
 Analyzed by: see "By" below

Date

05/23/19
 05/23/19

Time

16:36

Laboratory Data

SDG ID: GCD20685
 Phoenix ID: CD20688

Project ID: ADVANCED SOIL 39 EDGEBORO RD (S1)
 Client ID: SP-3 GRAB VOC 4

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1	05/24/19	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	3.2	ug/Kg	1	05/24/19	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
1,1-Dichloroethane	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
1,1-Dichloroethene	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
1,1-Dichloropropene	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
1,2,3-Trichloropropane	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
1,2-Dibromoethane	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
1,2-Dichloroethane	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
1,2-Dichloropropane	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
1,3-Dichloropropane	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
2,2-Dichloropropane	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
2-Chlorotoluene	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
2-Hexanone	ND	27	ug/Kg	1	05/24/19	JLI	SW8260C
2-Isopropyltoluene	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
4-Chlorotoluene	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
4-Methyl-2-pentanone	ND	27	ug/Kg	1	05/24/19	JLI	SW8260C

Client ID: SP-3 GRAB VOC 4

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	50	ug/Kg	1	05/24/19	JLI	SW8260C
Acrylonitrile	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
Benzene	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
Bromobenzene	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
Bromochloromethane	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
Bromodichloromethane	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
Bromoform	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
Bromomethane	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
Carbon Disulfide	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
Carbon tetrachloride	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
Chlorobenzene	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
Chloroethane	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
Chloroform	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
Chloromethane	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
Dibromochloromethane	ND	3.2	ug/Kg	1	05/24/19	JLI	SW8260C
Dibromomethane	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
Dichlorodifluoromethane	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
Ethylbenzene	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
Hexachlorobutadiene	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
Isopropylbenzene	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
m&p-Xylene	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
Methyl Ethyl Ketone	ND	32	ug/Kg	1	05/24/19	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	1	05/24/19	JLI	SW8260C
Methylene chloride	ND	11	ug/Kg	1	05/24/19	JLI	SW8260C
Naphthalene	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
n-Butylbenzene	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
n-Propylbenzene	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
o-Xylene	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
p-Isopropyltoluene	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
sec-Butylbenzene	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
Styrene	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
tert-Butylbenzene	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
Tetrachloroethene	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
Tetrahydrofuran (THF)	ND	11	ug/Kg	1	05/24/19	JLI	SW8260C
Toluene	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
Total Xylenes	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	1	05/24/19	JLI	SW8260C
Trichloroethene	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
Trichlorofluoromethane	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
Trichlorotrifluoroethane	ND	11	ug/Kg	1	05/24/19	JLI	SW8260C
Vinyl chloride	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	92		%	1	05/24/19	JLI	70 - 130 %
% Bromofluorobenzene	87		%	1	05/24/19	JLI	70 - 130 %
% Dibromofluoromethane	104		%	1	05/24/19	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	93		%	1	05/24/19	JLI	70 - 130 %
<u>1,4-dioxane</u>							
1,4-dioxane	ND	80	ug/kg	1	05/24/19	JLI	SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	92		%	1	05/24/19	JLI	70 - 130 %
% Bromofluorobenzene	87		%	1	05/24/19	JLI	70 - 130 %
% Dibromofluoromethane	104		%	1	05/24/19	JLI	70 - 130 %
% Toluene-d8	93		%	1	05/24/19	JLI	70 - 130 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	21	ug/Kg	1	05/24/19	JLI	SW8260C
Acrolein	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
Acrylonitrile	ND	21	ug/Kg	1	05/24/19	JLI	SW8260C
Tert-butyl alcohol	ND	110	ug/Kg	1	05/24/19	JLI	SW8260C
Methylacetate	ND	5.4	ug/Kg	1	05/24/19	JLI	SW8260C
Field Extraction	Completed				05/23/19		SW5035A

1

1 = This parameter is not certified by the primary accrediting authority (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 Quantitation) ND=Not Detected at RL/PQL
 BRL=Below Reporting Level L=Biased Low

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

Comments:

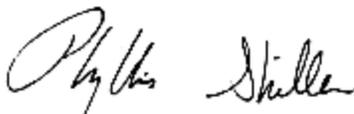
Results are reported on an ``as received`` basis, and are not corrected for dry weight.

Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

May 24, 2019

Official Report Release To Follow



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



Analysis Report

May 24, 2019

FOR: Attn: Mr. Scott Taylor
 Taylord Environment, Inc.
 PO BOX 613
 Wingdale, NY 12594

Sample Information

Matrix: SOIL
 Location Code: TAYLORD
 Rush Request: 24 Hour
 P.O.#:

Custody Information

Collected by: ST
 Received by: CP
 Analyzed by: see "By" below

Date

05/23/19
 05/23/19

Time

16:36

Laboratory Data

SDG ID: GCD20685
 Phoenix ID: CD20689

Project ID: ADVANCED SOIL 39 EDGEBORO RD (S1)
 Client ID: SP-3 GRAB VOC 5

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Volatiles							
1,1,1,2-Tetrachloroethane	ND	7.0	ug/Kg	1	05/24/19	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1	05/24/19	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	350	ug/Kg	50	05/24/19	JLI	SW8260C
1,1,2-Trichloroethane	ND	7.0	ug/Kg	1	05/24/19	JLI	SW8260C
1,1-Dichloroethane	ND	7.0	ug/Kg	1	05/24/19	JLI	SW8260C
1,1-Dichloroethene	ND	7.0	ug/Kg	1	05/24/19	JLI	SW8260C
1,1-Dichloropropene	ND	7.0	ug/Kg	1	05/24/19	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	580	ug/Kg	50	05/24/19	JLI	SW8260C
1,2,3-Trichloropropane	ND	580	ug/Kg	50	05/24/19	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	580	ug/Kg	50	05/24/19	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	580	ug/Kg	50	05/24/19	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	7.0	ug/Kg	1	05/24/19	JLI	SW8260C
1,2-Dibromoethane	ND	7.0	ug/Kg	1	05/24/19	JLI	SW8260C
1,2-Dichlorobenzene	ND	580	ug/Kg	50	05/24/19	JLI	SW8260C
1,2-Dichloroethane	ND	7.0	ug/Kg	1	05/24/19	JLI	SW8260C
1,2-Dichloropropane	ND	7.0	ug/Kg	1	05/24/19	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	580	ug/Kg	50	05/24/19	JLI	SW8260C
1,3-Dichlorobenzene	ND	580	ug/Kg	50	05/24/19	JLI	SW8260C
1,3-Dichloropropane	ND	7.0	ug/Kg	1	05/24/19	JLI	SW8260C
1,4-Dichlorobenzene	ND	580	ug/Kg	50	05/24/19	JLI	SW8260C
2,2-Dichloropropane	ND	7.0	ug/Kg	1	05/24/19	JLI	SW8260C
2-Chlorotoluene	ND	580	ug/Kg	50	05/24/19	JLI	SW8260C
2-Hexanone	ND	35	ug/Kg	1	05/24/19	JLI	SW8260C
2-Isopropyltoluene	ND	580	ug/Kg	50	05/24/19	JLI	SW8260C
4-Chlorotoluene	ND	580	ug/Kg	50	05/24/19	JLI	SW8260C
4-Methyl-2-pentanone	ND	35	ug/Kg	1	05/24/19	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	50	ug/Kg	1	05/24/19	JLI	SW8260C
Acrylonitrile	ND	7.0	ug/Kg	1	05/24/19	JLI	SW8260C
Benzene	ND	7.0	ug/Kg	1	05/24/19	JLI	SW8260C
Bromobenzene	ND	580	ug/Kg	50	05/24/19	JLI	SW8260C
Bromochloromethane	ND	7.0	ug/Kg	1	05/24/19	JLI	SW8260C
Bromodichloromethane	ND	7.0	ug/Kg	1	05/24/19	JLI	SW8260C
Bromoform	ND	7.0	ug/Kg	1	05/24/19	JLI	SW8260C
Bromomethane	ND	7.0	ug/Kg	1	05/24/19	JLI	SW8260C
Carbon Disulfide	ND	7.0	ug/Kg	1	05/24/19	JLI	SW8260C
Carbon tetrachloride	ND	7.0	ug/Kg	1	05/24/19	JLI	SW8260C
Chlorobenzene	ND	7.0	ug/Kg	1	05/24/19	JLI	SW8260C
Chloroethane	ND	7.0	ug/Kg	1	05/24/19	JLI	SW8260C
Chloroform	ND	7.0	ug/Kg	1	05/24/19	JLI	SW8260C
Chloromethane	ND	7.0	ug/Kg	1	05/24/19	JLI	SW8260C
cis-1,2-Dichloroethene	ND	7.0	ug/Kg	1	05/24/19	JLI	SW8260C
cis-1,3-Dichloropropene	ND	7.0	ug/Kg	1	05/24/19	JLI	SW8260C
Dibromochloromethane	ND	4.2	ug/Kg	1	05/24/19	JLI	SW8260C
Dibromomethane	ND	7.0	ug/Kg	1	05/24/19	JLI	SW8260C
Dichlorodifluoromethane	ND	7.0	ug/Kg	1	05/24/19	JLI	SW8260C
Ethylbenzene	ND	7.0	ug/Kg	1	05/24/19	JLI	SW8260C
Hexachlorobutadiene	ND	580	ug/Kg	50	05/24/19	JLI	SW8260C
Isopropylbenzene	ND	580	ug/Kg	50	05/24/19	JLI	SW8260C
m&p-Xylene	ND	7.0	ug/Kg	1	05/24/19	JLI	SW8260C
Methyl Ethyl Ketone	ND	42	ug/Kg	1	05/24/19	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	14	ug/Kg	1	05/24/19	JLI	SW8260C
Methylene chloride	ND	14	ug/Kg	1	05/24/19	JLI	SW8260C
Naphthalene	ND	580	ug/Kg	50	05/24/19	JLI	SW8260C
n-Butylbenzene	ND	580	ug/Kg	50	05/24/19	JLI	SW8260C
n-Propylbenzene	ND	580	ug/Kg	50	05/24/19	JLI	SW8260C
o-Xylene	ND	7.0	ug/Kg	1	05/24/19	JLI	SW8260C
p-Isopropyltoluene	ND	580	ug/Kg	50	05/24/19	JLI	SW8260C
sec-Butylbenzene	ND	580	ug/Kg	50	05/24/19	JLI	SW8260C
Styrene	ND	7.0	ug/Kg	1	05/24/19	JLI	SW8260C
tert-Butylbenzene	ND	580	ug/Kg	50	05/24/19	JLI	SW8260C
Tetrachloroethene	ND	7.0	ug/Kg	1	05/24/19	JLI	SW8260C
Tetrahydrofuran (THF)	ND	14	ug/Kg	1	05/24/19	JLI	SW8260C
Toluene	ND	7.0	ug/Kg	1	05/24/19	JLI	SW8260C
Total Xylenes	ND	7.0	ug/Kg	1	05/24/19	JLI	SW8260C
trans-1,2-Dichloroethene	ND	7.0	ug/Kg	1	05/24/19	JLI	SW8260C
trans-1,3-Dichloropropene	ND	7.0	ug/Kg	1	05/24/19	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	1200	ug/Kg	50	05/24/19	JLI	SW8260C
Trichloroethene	ND	7.0	ug/Kg	1	05/24/19	JLI	SW8260C
Trichlorofluoromethane	ND	7.0	ug/Kg	1	05/24/19	JLI	SW8260C
Trichlorotrifluoroethane	ND	14	ug/Kg	1	05/24/19	JLI	SW8260C
Vinyl chloride	ND	7.0	ug/Kg	1	05/24/19	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	95		%	1	05/24/19	JLI	70 - 130 %
% Bromofluorobenzene	81		%	1	05/24/19	JLI	70 - 130 %
% Dibromofluoromethane	105		%	1	05/24/19	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	92		%	1	05/24/19	JLI	70 - 130 %
% 1,2-dichlorobenzene-d4 (50x)	97		%	50	05/24/19	JLI	70 - 130 %
% Bromofluorobenzene (50x)	97		%	50	05/24/19	JLI	70 - 130 %
% Dibromofluoromethane (50x)	97		%	50	05/24/19	JLI	70 - 130 %
% Toluene-d8 (50x)	95		%	50	05/24/19	JLI	70 - 130 %
1,4-dioxane							
1,4-dioxane	ND	100	ug/kg	1	05/24/19	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	95		%	1	05/24/19	JLI	70 - 130 %
% Bromofluorobenzene	81		%	1	05/24/19	JLI	70 - 130 %
% Dibromofluoromethane	105		%	1	05/24/19	JLI	70 - 130 %
% Toluene-d8	92		%	1	05/24/19	JLI	70 - 130 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	28	ug/Kg	1	05/24/19	JLI	SW8260C
Acrolein	ND	7.0	ug/Kg	1	05/24/19	JLI	SW8260C
Acrylonitrile	ND	28	ug/Kg	1	05/24/19	JLI	SW8260C
Tert-butyl alcohol	ND	140	ug/Kg	1	05/24/19	JLI	SW8260C
Methylacetate	ND	7.0	ug/Kg	1	05/24/19	JLI	SW8260C
Field Extraction	Completed				05/23/19		SW5035A

1 = This parameter is not certified by the primary accrediting authority (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 Quantitation) ND=Not Detected at RL/PQL
 BRL=Below Reporting Level L=Biased Low

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

Comments:

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

Volatile Comment:

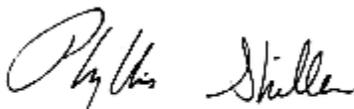
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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 you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

May 24, 2019

Official Report Release To Follow



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



Analysis Report

May 24, 2019

FOR: Attn: Mr. Scott Taylor
 Taylord Environment, Inc.
 PO BOX 613
 Wingdale, NY 12594

Sample Information

Matrix: SOIL
 Location Code: TAYLORD
 Rush Request: 24 Hour
 P.O.#:

Custody Information

Collected by: ST
 Received by: CP
 Analyzed by: see "By" below

Date

05/23/19
 05/23/19

Time

16:36

Laboratory Data

SDG ID: GCD20685
 Phoenix ID: CD20690

Project ID: ADVANCED SOIL 39 EDGEBORO RD (S1)
 Client ID: SP-3 GRAB VOC 6

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.2	ug/Kg	1	05/24/19	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1	05/24/19	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	360	ug/Kg	50	05/24/19	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.2	ug/Kg	1	05/24/19	JLI	SW8260C
1,1-Dichloroethane	ND	5.2	ug/Kg	1	05/24/19	JLI	SW8260C
1,1-Dichloroethene	ND	5.2	ug/Kg	1	05/24/19	JLI	SW8260C
1,1-Dichloropropene	ND	5.2	ug/Kg	1	05/24/19	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	600	ug/Kg	50	05/24/19	JLI	SW8260C
1,2,3-Trichloropropane	ND	600	ug/Kg	50	05/24/19	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	600	ug/Kg	50	05/24/19	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	600	ug/Kg	50	05/24/19	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.2	ug/Kg	1	05/24/19	JLI	SW8260C
1,2-Dibromoethane	ND	5.2	ug/Kg	1	05/24/19	JLI	SW8260C
1,2-Dichlorobenzene	ND	600	ug/Kg	50	05/24/19	JLI	SW8260C
1,2-Dichloroethane	ND	5.2	ug/Kg	1	05/24/19	JLI	SW8260C
1,2-Dichloropropane	ND	5.2	ug/Kg	1	05/24/19	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	600	ug/Kg	50	05/24/19	JLI	SW8260C
1,3-Dichlorobenzene	ND	600	ug/Kg	50	05/24/19	JLI	SW8260C
1,3-Dichloropropane	ND	5.2	ug/Kg	1	05/24/19	JLI	SW8260C
1,4-Dichlorobenzene	ND	600	ug/Kg	50	05/24/19	JLI	SW8260C
2,2-Dichloropropane	ND	5.2	ug/Kg	1	05/24/19	JLI	SW8260C
2-Chlorotoluene	ND	600	ug/Kg	50	05/24/19	JLI	SW8260C
2-Hexanone	ND	26	ug/Kg	1	05/24/19	JLI	SW8260C
2-Isopropyltoluene	ND	600	ug/Kg	50	05/24/19	JLI	SW8260C
4-Chlorotoluene	ND	600	ug/Kg	50	05/24/19	JLI	SW8260C
4-Methyl-2-pentanone	ND	26	ug/Kg	1	05/24/19	JLI	SW8260C

Client ID: SP-3 GRAB VOC 6

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	50	ug/Kg	1	05/24/19	JLI	SW8260C
Acrylonitrile	ND	5.2	ug/Kg	1	05/24/19	JLI	SW8260C
Benzene	ND	5.2	ug/Kg	1	05/24/19	JLI	SW8260C
Bromobenzene	ND	600	ug/Kg	50	05/24/19	JLI	SW8260C
Bromochloromethane	ND	5.2	ug/Kg	1	05/24/19	JLI	SW8260C
Bromodichloromethane	ND	5.2	ug/Kg	1	05/24/19	JLI	SW8260C
Bromoform	ND	5.2	ug/Kg	1	05/24/19	JLI	SW8260C
Bromomethane	ND	5.2	ug/Kg	1	05/24/19	JLI	SW8260C
Carbon Disulfide	ND	5.2	ug/Kg	1	05/24/19	JLI	SW8260C
Carbon tetrachloride	ND	5.2	ug/Kg	1	05/24/19	JLI	SW8260C
Chlorobenzene	ND	5.2	ug/Kg	1	05/24/19	JLI	SW8260C
Chloroethane	ND	5.2	ug/Kg	1	05/24/19	JLI	SW8260C
Chloroform	ND	5.2	ug/Kg	1	05/24/19	JLI	SW8260C
Chloromethane	ND	5.2	ug/Kg	1	05/24/19	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.2	ug/Kg	1	05/24/19	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.2	ug/Kg	1	05/24/19	JLI	SW8260C
Dibromochloromethane	ND	3.1	ug/Kg	1	05/24/19	JLI	SW8260C
Dibromomethane	ND	5.2	ug/Kg	1	05/24/19	JLI	SW8260C
Dichlorodifluoromethane	ND	5.2	ug/Kg	1	05/24/19	JLI	SW8260C
Ethylbenzene	ND	5.2	ug/Kg	1	05/24/19	JLI	SW8260C
Hexachlorobutadiene	ND	600	ug/Kg	50	05/24/19	JLI	SW8260C
Isopropylbenzene	ND	600	ug/Kg	50	05/24/19	JLI	SW8260C
m&p-Xylene	ND	5.2	ug/Kg	1	05/24/19	JLI	SW8260C
Methyl Ethyl Ketone	ND	31	ug/Kg	1	05/24/19	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	1	05/24/19	JLI	SW8260C
Methylene chloride	ND	10	ug/Kg	1	05/24/19	JLI	SW8260C
Naphthalene	ND	600	ug/Kg	50	05/24/19	JLI	SW8260C
n-Butylbenzene	ND	600	ug/Kg	50	05/24/19	JLI	SW8260C
n-Propylbenzene	ND	600	ug/Kg	50	05/24/19	JLI	SW8260C
o-Xylene	ND	5.2	ug/Kg	1	05/24/19	JLI	SW8260C
p-Isopropyltoluene	ND	600	ug/Kg	50	05/24/19	JLI	SW8260C
sec-Butylbenzene	ND	600	ug/Kg	50	05/24/19	JLI	SW8260C
Styrene	ND	5.2	ug/Kg	1	05/24/19	JLI	SW8260C
tert-Butylbenzene	ND	600	ug/Kg	50	05/24/19	JLI	SW8260C
Tetrachloroethene	ND	5.2	ug/Kg	1	05/24/19	JLI	SW8260C
Tetrahydrofuran (THF)	ND	10	ug/Kg	1	05/24/19	JLI	SW8260C
Toluene	ND	5.2	ug/Kg	1	05/24/19	JLI	SW8260C
Total Xylenes	ND	5.2	ug/Kg	1	05/24/19	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.2	ug/Kg	1	05/24/19	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.2	ug/Kg	1	05/24/19	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	1200	ug/Kg	50	05/24/19	JLI	SW8260C
Trichloroethene	ND	5.2	ug/Kg	1	05/24/19	JLI	SW8260C
Trichlorofluoromethane	ND	5.2	ug/Kg	1	05/24/19	JLI	SW8260C
Trichlorotrifluoroethane	ND	10	ug/Kg	1	05/24/19	JLI	SW8260C
Vinyl chloride	ND	5.2	ug/Kg	1	05/24/19	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	91		%	1	05/24/19	JLI	70 - 130 %
% Bromofluorobenzene	82		%	1	05/24/19	JLI	70 - 130 %
% Dibromofluoromethane	103		%	1	05/24/19	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	91		%	1	05/24/19	JLI	70 - 130 %
% 1,2-dichlorobenzene-d4 (50x)	96		%	50	05/24/19	JLI	70 - 130 %
% Bromofluorobenzene (50x)	98		%	50	05/24/19	JLI	70 - 130 %
% Dibromofluoromethane (50x)	100		%	50	05/24/19	JLI	70 - 130 %
% Toluene-d8 (50x)	96		%	50	05/24/19	JLI	70 - 130 %
1,4-dioxane							
1,4-dioxane	ND	78	ug/kg	1	05/24/19	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	91		%	1	05/24/19	JLI	70 - 130 %
% Bromofluorobenzene	82		%	1	05/24/19	JLI	70 - 130 %
% Dibromofluoromethane	103		%	1	05/24/19	JLI	70 - 130 %
% Toluene-d8	91		%	1	05/24/19	JLI	70 - 130 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	21	ug/Kg	1	05/24/19	JLI	SW8260C
Acrolein	ND	5.2	ug/Kg	1	05/24/19	JLI	SW8260C
Acrylonitrile	ND	21	ug/Kg	1	05/24/19	JLI	SW8260C
Tert-butyl alcohol	ND	100	ug/Kg	1	05/24/19	JLI	SW8260C
Methylacetate	ND	5.2	ug/Kg	1	05/24/19	JLI	SW8260C
Field Extraction	Completed				05/23/19		SW5035A

1 = This parameter is not certified by the primary accrediting authority (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 Quantitation) ND=Not Detected at RL/PQL
 BRL=Below Reporting Level L=Biased Low

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

Comments:

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

Volatile Comment:

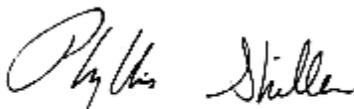
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Volatile Comment:

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Phyllis Shiller, Laboratory Director

May 24, 2019

Official Report Release To Follow



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



Analysis Report

May 24, 2019

FOR: Attn: Mr. Scott Taylor
 Taylord Environment, Inc.
 PO BOX 613
 Wingdale, NY 12594

Sample Information

Matrix: SOIL
 Location Code: TAYLORD
 Rush Request: 24 Hour
 P.O.#:

Custody Information

Collected by: ST
 Received by: CP
 Analyzed by: see "By" below

Date

05/23/19
 05/23/19

Time

16:36

Laboratory Data

SDG ID: GCD20685
 Phoenix ID: CD20691

Project ID: ADVANCED SOIL 39 EDGEBORO RD (S1)
 Client ID: SP-3 GRAB VOC 7

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.5	ug/Kg	1	05/24/19	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.0	ug/Kg	1	05/24/19	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	320	ug/Kg	50	05/24/19	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.5	ug/Kg	1	05/24/19	JLI	SW8260C
1,1-Dichloroethane	ND	5.5	ug/Kg	1	05/24/19	JLI	SW8260C
1,1-Dichloroethene	ND	5.5	ug/Kg	1	05/24/19	JLI	SW8260C
1,1-Dichloropropene	ND	5.5	ug/Kg	1	05/24/19	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	530	ug/Kg	50	05/24/19	JLI	SW8260C
1,2,3-Trichloropropane	ND	530	ug/Kg	50	05/24/19	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	530	ug/Kg	50	05/24/19	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	530	ug/Kg	50	05/24/19	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.5	ug/Kg	1	05/24/19	JLI	SW8260C
1,2-Dibromoethane	ND	5.5	ug/Kg	1	05/24/19	JLI	SW8260C
1,2-Dichlorobenzene	ND	530	ug/Kg	50	05/24/19	JLI	SW8260C
1,2-Dichloroethane	ND	5.5	ug/Kg	1	05/24/19	JLI	SW8260C
1,2-Dichloropropane	ND	5.5	ug/Kg	1	05/24/19	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	530	ug/Kg	50	05/24/19	JLI	SW8260C
1,3-Dichlorobenzene	ND	530	ug/Kg	50	05/24/19	JLI	SW8260C
1,3-Dichloropropane	ND	5.5	ug/Kg	1	05/24/19	JLI	SW8260C
1,4-Dichlorobenzene	ND	530	ug/Kg	50	05/24/19	JLI	SW8260C
2,2-Dichloropropane	ND	5.5	ug/Kg	1	05/24/19	JLI	SW8260C
2-Chlorotoluene	ND	530	ug/Kg	50	05/24/19	JLI	SW8260C
2-Hexanone	ND	28	ug/Kg	1	05/24/19	JLI	SW8260C
2-Isopropyltoluene	ND	530	ug/Kg	50	05/24/19	JLI	SW8260C
4-Chlorotoluene	ND	530	ug/Kg	50	05/24/19	JLI	SW8260C
4-Methyl-2-pentanone	ND	28	ug/Kg	1	05/24/19	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	50	ug/Kg	1	05/24/19	JLI	SW8260C
Acrylonitrile	ND	5.5	ug/Kg	1	05/24/19	JLI	SW8260C
Benzene	ND	5.5	ug/Kg	1	05/24/19	JLI	SW8260C
Bromobenzene	ND	530	ug/Kg	50	05/24/19	JLI	SW8260C
Bromochloromethane	ND	5.5	ug/Kg	1	05/24/19	JLI	SW8260C
Bromodichloromethane	ND	5.5	ug/Kg	1	05/24/19	JLI	SW8260C
Bromoform	ND	5.5	ug/Kg	1	05/24/19	JLI	SW8260C
Bromomethane	ND	5.5	ug/Kg	1	05/24/19	JLI	SW8260C
Carbon Disulfide	ND	5.5	ug/Kg	1	05/24/19	JLI	SW8260C
Carbon tetrachloride	ND	5.5	ug/Kg	1	05/24/19	JLI	SW8260C
Chlorobenzene	ND	5.5	ug/Kg	1	05/24/19	JLI	SW8260C
Chloroethane	ND	5.5	ug/Kg	1	05/24/19	JLI	SW8260C
Chloroform	ND	5.5	ug/Kg	1	05/24/19	JLI	SW8260C
Chloromethane	ND	5.5	ug/Kg	1	05/24/19	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.5	ug/Kg	1	05/24/19	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.5	ug/Kg	1	05/24/19	JLI	SW8260C
Dibromochloromethane	ND	3.3	ug/Kg	1	05/24/19	JLI	SW8260C
Dibromomethane	ND	5.5	ug/Kg	1	05/24/19	JLI	SW8260C
Dichlorodifluoromethane	ND	5.5	ug/Kg	1	05/24/19	JLI	SW8260C
Ethylbenzene	ND	5.5	ug/Kg	1	05/24/19	JLI	SW8260C
Hexachlorobutadiene	ND	530	ug/Kg	50	05/24/19	JLI	SW8260C
Isopropylbenzene	ND	530	ug/Kg	50	05/24/19	JLI	SW8260C
m&p-Xylene	ND	5.5	ug/Kg	1	05/24/19	JLI	SW8260C
Methyl Ethyl Ketone	ND	33	ug/Kg	1	05/24/19	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	1	05/24/19	JLI	SW8260C
Methylene chloride	ND	11	ug/Kg	1	05/24/19	JLI	SW8260C
Naphthalene	ND	530	ug/Kg	50	05/24/19	JLI	SW8260C
n-Butylbenzene	ND	530	ug/Kg	50	05/24/19	JLI	SW8260C
n-Propylbenzene	ND	530	ug/Kg	50	05/24/19	JLI	SW8260C
o-Xylene	ND	5.5	ug/Kg	1	05/24/19	JLI	SW8260C
p-Isopropyltoluene	ND	530	ug/Kg	50	05/24/19	JLI	SW8260C
sec-Butylbenzene	ND	530	ug/Kg	50	05/24/19	JLI	SW8260C
Styrene	ND	5.5	ug/Kg	1	05/24/19	JLI	SW8260C
tert-Butylbenzene	ND	530	ug/Kg	50	05/24/19	JLI	SW8260C
Tetrachloroethene	ND	5.5	ug/Kg	1	05/24/19	JLI	SW8260C
Tetrahydrofuran (THF)	ND	11	ug/Kg	1	05/24/19	JLI	SW8260C
Toluene	ND	5.5	ug/Kg	1	05/24/19	JLI	SW8260C
Total Xylenes	ND	5.5	ug/Kg	1	05/24/19	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.5	ug/Kg	1	05/24/19	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.5	ug/Kg	1	05/24/19	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	1100	ug/Kg	50	05/24/19	JLI	SW8260C
Trichloroethene	ND	5.5	ug/Kg	1	05/24/19	JLI	SW8260C
Trichlorofluoromethane	ND	5.5	ug/Kg	1	05/24/19	JLI	SW8260C
Trichlorotrifluoroethane	ND	11	ug/Kg	1	05/24/19	JLI	SW8260C
Vinyl chloride	ND	5.5	ug/Kg	1	05/24/19	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	95		%	1	05/24/19	JLI	70 - 130 %
% Bromofluorobenzene	81		%	1	05/24/19	JLI	70 - 130 %
% Dibromofluoromethane	103		%	1	05/24/19	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	92		%	1	05/24/19	JLI	70 - 130 %
% 1,2-dichlorobenzene-d4 (50x)	97		%	50	05/24/19	JLI	70 - 130 %
% Bromofluorobenzene (50x)	99		%	50	05/24/19	JLI	70 - 130 %
% Dibromofluoromethane (50x)	102		%	50	05/24/19	JLI	70 - 130 %
% Toluene-d8 (50x)	96		%	50	05/24/19	JLI	70 - 130 %
1,4-dioxane							
1,4-dioxane	ND	83	ug/kg	1	05/24/19	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	95		%	1	05/24/19	JLI	70 - 130 %
% Bromofluorobenzene	81		%	1	05/24/19	JLI	70 - 130 %
% Dibromofluoromethane	103		%	1	05/24/19	JLI	70 - 130 %
% Toluene-d8	92		%	1	05/24/19	JLI	70 - 130 %
Volatiles							
1,1,1,2-Tetrachloroethane	ND	22	ug/Kg	1	05/24/19	JLI	SW8260C
Acrolein	ND	5.5	ug/Kg	1	05/24/19	JLI	SW8260C
Acrylonitrile	ND	22	ug/Kg	1	05/24/19	JLI	SW8260C
Tert-butyl alcohol	ND	110	ug/Kg	1	05/24/19	JLI	SW8260C
Methylacetate	ND	5.5	ug/Kg	1	05/24/19	JLI	SW8260C
Field Extraction	Completed				05/23/19		SW5035A

1 = This parameter is not certified by the primary accrediting authority (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 Quantitation) ND=Not Detected at RL/PQL
 BRL=Below Reporting Level L=Biased Low

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

Comments:

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

Volatile Comment:

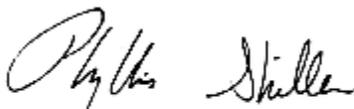
To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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 you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

May 24, 2019

Official Report Release To Follow



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



Analysis Report

May 24, 2019

FOR: Attn: Mr. Scott Taylor
 Taylord Environment, Inc.
 PO BOX 613
 Wingdale, NY 12594

Sample Information

Matrix: SOIL
 Location Code: TAYLORD
 Rush Request: 24 Hour
 P.O.#:

Custody Information

Collected by: ST
 Received by: CP
 Analyzed by: see "By" below

Date

05/23/19
 05/23/19

Time

16:36

Laboratory Data

SDG ID: GCD20685
 Phoenix ID: CD20692

Project ID: ADVANCED SOIL 39 EDGEBORO RD (S1)
 Client ID: SP-3 COMP 1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.42	0.42		mg/Kg	1	05/24/19	EK	SW6010D
Arsenic	1.56	0.83		mg/Kg	1	05/24/19	EK	SW6010D
Barium	39.0	0.42		mg/Kg	1	05/24/19	EK	SW6010D
Beryllium	< 0.33	0.33		mg/Kg	1	05/24/19	EK	SW6010D
Cadmium	< 0.42	0.42		mg/Kg	1	05/24/19	EK	SW6010D
Chromium	9.52	0.42		mg/Kg	1	05/24/19	EK	SW6010D
Copper	11.9	0.8		mg/kg	1	05/24/19	EK	SW6010D
Mercury	0.04	0.03		mg/Kg	1	05/24/19	MGH	SW7471B
Manganese	198	4.2		mg/Kg	10	05/24/19	EK	SW6010D
Nickel	6.25	0.42		mg/Kg	1	05/24/19	EK	SW6010D
Lead	15.8	0.42		mg/Kg	1	05/24/19	EK	SW6010D
Selenium	< 1.7	1.7		mg/Kg	1	05/24/19	EK	SW6010D
Trivalent Chromium	9.52	0.42		mg/kg	1	05/24/19		CALC 6010-7196
Zinc	36.2	0.8		mg/Kg	1	05/24/19	EK	SW6010D
Percent Solid	81			%		05/23/19	ML	SW846-%Solid
Chromium, Hex. (SW3060 digestion)	< 0.49	0.49		mg/Kg	1	05/24/19	DA	SW7196A
pH at 25C - Soil	7.78	1.00		pH Units	1	05/23/19 22:06	AP	SW9045 1
Redox Potential	139			mV	1	05/23/19	AP	SM2580B-09 1
Total Cyanide (SW9010C Distill.)	< 0.56	0.56		mg/Kg	1	05/24/19	O/GD	SW9012B
Soil Extraction for PCB	Completed					05/23/19	MM/V	SW3545A
Soil Extraction for Pesticide	Completed					05/23/19	MM/V	SW3545A
Soil Extraction for SVOA	Completed					05/23/19	JJ/LV	SW3545A
Mercury Digestion	Completed					05/24/19	I/I	SW7471B
Soil Extraction for Herbicide	Completed					05/23/19	C/D	SW8151A
Total Metals Digest	Completed					05/23/19	B/AG	SW3050B

Chlorinated Herbicides

2,4,5-T	ND	100		ug/Kg	10	05/24/19	CW	SW8151A
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Client ID: SP-3 COMP 1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,5-TP (Silvex)	ND	100		ug/Kg	10	05/24/19	CW	SW8151A
2,4-D	ND	200		ug/Kg	10	05/24/19	CW	SW8151A
2,4-DB	ND	2000		ug/Kg	10	05/24/19	CW	SW8151A
Dalapon	ND	100		ug/Kg	10	05/24/19	CW	SW8151A
Dicamba	ND	100		ug/Kg	10	05/24/19	CW	SW8151A
Dichloroprop	ND	200		ug/Kg	10	05/24/19	CW	SW8151A
Dinoseb	ND	200		ug/Kg	10	05/24/19	CW	SW8151A
<u>QA/QC Surrogates</u>								
% DCAA	63			%	10	05/24/19	CW	30 - 150 %
% DCAA (Confirmation)	60			%	10	05/24/19	CW	30 - 150 %
<u>Polychlorinated Biphenyls</u>								
PCB-1016	ND	82		ug/Kg	2	05/24/19	SC	SW8082A
PCB-1221	ND	82		ug/Kg	2	05/24/19	SC	SW8082A
PCB-1232	ND	82		ug/Kg	2	05/24/19	SC	SW8082A
PCB-1242	ND	82		ug/Kg	2	05/24/19	SC	SW8082A
PCB-1248	ND	82		ug/Kg	2	05/24/19	SC	SW8082A
PCB-1254	ND	82		ug/Kg	2	05/24/19	SC	SW8082A
PCB-1260	ND	82		ug/Kg	2	05/24/19	SC	SW8082A
PCB-1262	ND	82		ug/Kg	2	05/24/19	SC	SW8082A
PCB-1268	ND	82		ug/Kg	2	05/24/19	SC	SW8082A
<u>QA/QC Surrogates</u>								
% DCBP	74			%	2	05/24/19	SC	30 - 150 %
% DCBP (Confirmation)	77			%	2	05/24/19	SC	30 - 150 %
% TCMX	74			%	2	05/24/19	SC	30 - 150 %
% TCMX (Confirmation)	73			%	2	05/24/19	SC	30 - 150 %
<u>Pesticides - Soil</u>								
4,4' -DDD	ND	2.5		ug/Kg	2	05/24/19	CW	SW8081B
4,4' -DDE	ND	2.5		ug/Kg	2	05/24/19	CW	SW8081B
4,4' -DDT	ND	2.5		ug/Kg	2	05/24/19	CW	SW8081B
a-BHC	ND	8.2		ug/Kg	2	05/24/19	CW	SW8081B
a-Chlordane	ND	4.1		ug/Kg	2	05/24/19	CW	SW8081B
Aldrin	ND	4.1		ug/Kg	2	05/24/19	CW	SW8081B
b-BHC	ND	8.2		ug/Kg	2	05/24/19	CW	SW8081B
Chlordane	ND	41		ug/Kg	2	05/24/19	CW	SW8081B
d-BHC	ND	8.2		ug/Kg	2	05/24/19	CW	SW8081B
Dieldrin	ND	4.1		ug/Kg	2	05/24/19	CW	SW8081B
Endosulfan I	ND	8.2		ug/Kg	2	05/24/19	CW	SW8081B
Endosulfan II	ND	8.2		ug/Kg	2	05/24/19	CW	SW8081B
Endosulfan sulfate	ND	8.2		ug/Kg	2	05/24/19	CW	SW8081B
Endrin	ND	8.2		ug/Kg	2	05/24/19	CW	SW8081B
Endrin aldehyde	ND	8.2		ug/Kg	2	05/24/19	CW	SW8081B
Endrin ketone	ND	8.2		ug/Kg	2	05/24/19	CW	SW8081B
g-BHC	ND	1.6		ug/Kg	2	05/24/19	CW	SW8081B
g-Chlordane	ND	4.1		ug/Kg	2	05/24/19	CW	SW8081B
Heptachlor	ND	8.2		ug/Kg	2	05/24/19	CW	SW8081B
Heptachlor epoxide	ND	8.2		ug/Kg	2	05/24/19	CW	SW8081B
Methoxychlor	ND	41		ug/Kg	2	05/24/19	CW	SW8081B
Toxaphene	ND	160		ug/Kg	2	05/24/19	CW	SW8081B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>QA/QC Surrogates</u>								
% DCBP	81			%	2	05/24/19	CW	30 - 150 %
% DCBP (Confirmation)	75			%	2	05/24/19	CW	30 - 150 %
% TCMX	71			%	2	05/24/19	CW	30 - 150 %
% TCMX (Confirmation)	65			%	2	05/24/19	CW	30 - 150 %
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
1,2,4-Trichlorobenzene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
1,2-Dichlorobenzene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
1,2-Diphenylhydrazine	ND	400		ug/Kg	1	05/24/19	WB	SW8270D
1,3-Dichlorobenzene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
1,4-Dichlorobenzene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
2,4,5-Trichlorophenol	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
2,4,6-Trichlorophenol	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
2,4-Dichlorophenol	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
2,4-Dimethylphenol	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
2,4-Dinitrophenol	ND	400		ug/Kg	1	05/24/19	WB	SW8270D
2,4-Dinitrotoluene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
2,6-Dinitrotoluene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
2-Chloronaphthalene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
2-Chlorophenol	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
2-Methylnaphthalene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
2-Methylphenol (o-cresol)	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
2-Nitroaniline	ND	400		ug/Kg	1	05/24/19	WB	SW8270D
2-Nitrophenol	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	400		ug/Kg	1	05/24/19	WB	SW8270D
3,3'-Dichlorobenzidine	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
3-Nitroaniline	ND	400		ug/Kg	1	05/24/19	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	400		ug/Kg	1	05/24/19	WB	SW8270D
4-Bromophenyl phenyl ether	ND	400		ug/Kg	1	05/24/19	WB	SW8270D
4-Chloro-3-methylphenol	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
4-Chloroaniline	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
4-Nitroaniline	ND	650		ug/Kg	1	05/24/19	WB	SW8270D
4-Nitrophenol	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Acenaphthene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Acenaphthylene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Acetophenone	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Aniline	ND	400		ug/Kg	1	05/24/19	WB	SW8270D
Anthracene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Benz(a)anthracene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Benzidine	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Benzo(a)pyrene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Benzo(b)fluoranthene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Benzo(ghi)perylene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Benzo(k)fluoranthene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Benzoic acid	ND	810		ug/Kg	1	05/24/19	WB	SW8270D
Benzyl butyl phthalate	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	280		ug/Kg	1	05/24/19	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Bis(2-chloroethyl)ether	ND	400		ug/Kg	1	05/24/19	WB	SW8270D
Bis(2-chloroisopropyl)ether	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Carbazole	ND	400		ug/Kg	1	05/24/19	WB	SW8270D
Chrysene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Dibenz(a,h)anthracene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Dibenzofuran	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Diethyl phthalate	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Dimethylphthalate	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Di-n-butylphthalate	ND	400		ug/Kg	1	05/24/19	WB	SW8270D
Di-n-octylphthalate	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Fluoranthene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Fluorene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Hexachlorobenzene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Hexachlorobutadiene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Hexachlorocyclopentadiene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Hexachloroethane	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Isophorone	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Naphthalene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Nitrobenzene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
N-Nitrosodimethylamine	ND	400		ug/Kg	1	05/24/19	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	200		ug/Kg	1	05/24/19	WB	SW8270D
N-Nitrosodiphenylamine	ND	400		ug/Kg	1	05/24/19	WB	SW8270D
Pentachloronitrobenzene	ND	400		ug/Kg	1	05/24/19	WB	SW8270D
Pentachlorophenol	ND	400		ug/Kg	1	05/24/19	WB	SW8270D
Phenanthrene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Phenol	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Pyrene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Pyridine	ND	400		ug/Kg	1	05/24/19	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	99			%	1	05/24/19	WB	30 - 130 %
% 2-Fluorobiphenyl	62			%	1	05/24/19	WB	30 - 130 %
% 2-Fluorophenol	58			%	1	05/24/19	WB	30 - 130 %
% Nitrobenzene-d5	69			%	1	05/24/19	WB	30 - 130 %
% Phenol-d5	69			%	1	05/24/19	WB	30 - 130 %
% Terphenyl-d14	69			%	1	05/24/19	WB	30 - 130 %
<u>Additional Semi-Volatile Compounds</u>								
1,1-Biphenyl	ND	280	120	ug/Kg	1	05/24/19	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	280	140	ug/Kg	1	05/24/19	WB	SW8270D
Atrazine	ND	160	81	ug/Kg	1	05/24/19	WB	SW8270D
Benzaldehyde	ND	280	120	ug/Kg	1	05/24/19	WB	SW8270D
Benzo(a)pyrene	ND	280	130	ug/Kg	1	05/24/19	WB	SW8270D
Caprolactam	ND	160	280	ug/Kg	1	05/24/19	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	99			%	1	05/24/19	WB	30 - 130 %
% 2-Fluorobiphenyl	62			%	1	05/24/19	WB	30 - 130 %
% 2-Fluorophenol	58			%	1	05/24/19	WB	30 - 130 %
% Nitrobenzene-d5	69			%	1	05/24/19	WB	30 - 130 %

Client ID: SP-3 COMP 1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Phenol-d5	69			%	1	05/24/19	WB	30 - 130 %
% Terphenyl-d14	69			%	1	05/24/19	WB	30 - 130 %

1 = This parameter is not certified by the primary accrediting authority (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 Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit¹

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

Comments:

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

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

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

Semi-Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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 you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

May 24, 2019

Official Report Release To Follow



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



Analysis Report

May 24, 2019

FOR: Attn: Mr. Scott Taylor
 Taylord Environment, Inc.
 PO BOX 613
 Wingdale, NY 12594

Sample Information

Matrix: SOIL
 Location Code: TAYLORD
 Rush Request: 24 Hour
 P.O.#:

Custody Information

Collected by: ST
 Received by: CP
 Analyzed by: see "By" below

Date

05/23/19
 05/23/19

Time

16:36

Laboratory Data

SDG ID: GCD20685
 Phoenix ID: CD20693

Project ID: ADVANCED SOIL 39 EDGEBORO RD (S1)
 Client ID: SP-3 COMP 2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.41	0.41		mg/Kg	1	05/24/19	EK	SW6010D
Arsenic	2.02	0.82		mg/Kg	1	05/24/19	EK	SW6010D
Barium	41.5	0.41		mg/Kg	1	05/24/19	EK	SW6010D
Beryllium	< 0.33	0.33		mg/Kg	1	05/24/19	EK	SW6010D
Cadmium	0.41	0.41		mg/Kg	1	05/24/19	EK	SW6010D
Chromium	9.33	0.41		mg/Kg	1	05/24/19	EK	SW6010D
Copper	15.9	0.8		mg/kg	1	05/24/19	EK	SW6010D
Mercury	< 0.03	0.03		mg/Kg	1	05/24/19	MGH	SW7471B
Manganese	225	4.1		mg/Kg	10	05/24/19	EK	SW6010D
Nickel	7.67	0.41		mg/Kg	1	05/24/19	EK	SW6010D
Lead	16.4	0.41		mg/Kg	1	05/24/19	EK	SW6010D
Selenium	< 1.6	1.6		mg/Kg	1	05/24/19	EK	SW6010D
Trivalent Chromium	9.33	0.41		mg/kg	1	05/24/19		CALC 6010-7196
Zinc	38.8	0.8		mg/Kg	1	05/24/19	EK	SW6010D
Percent Solid	80			%		05/23/19	ML	SW846-%Solid
Chromium, Hex. (SW3060 digestion)	< 0.49	0.49		mg/Kg	1	05/24/19	DA	SW7196A
pH at 25C - Soil	7.71	1.00		pH Units	1	05/23/19 22:06	AP	SW9045
Redox Potential	142			mV	1	05/23/19	AP	SM2580B-09
Total Cyanide (SW9010C Distill.)	< 0.57	0.57		mg/Kg	1	05/24/19	O/GD	SW9012B
Soil Extraction for PCB	Completed					05/23/19	MM/V	SW3545A
Soil Extraction for Pesticide	Completed					05/23/19	MM/V	SW3545A
Soil Extraction for SVOA	Completed					05/23/19	JJ/LV	SW3545A
Mercury Digestion	Completed					05/24/19	I/I	SW7471B
Soil Extraction for Herbicide	Completed					05/23/19	C/D	SW8151A
Total Metals Digest	Completed					05/23/19	B/AG	SW3050B

Chlorinated Herbicides

2,4,5-T	ND	100		ug/Kg	10	05/24/19	CW	SW8151A
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Client ID: SP-3 COMP 2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,5-TP (Silvex)	ND	100		ug/Kg	10	05/24/19	CW	SW8151A
2,4-D	ND	200		ug/Kg	10	05/24/19	CW	SW8151A
2,4-DB	ND	2000		ug/Kg	10	05/24/19	CW	SW8151A
Dalapon	ND	100		ug/Kg	10	05/24/19	CW	SW8151A
Dicamba	ND	100		ug/Kg	10	05/24/19	CW	SW8151A
Dichloroprop	ND	200		ug/Kg	10	05/24/19	CW	SW8151A
Dinoseb	ND	200		ug/Kg	10	05/24/19	CW	SW8151A
<u>QA/QC Surrogates</u>								
% DCAA	58			%	10	05/24/19	CW	30 - 150 %
% DCAA (Confirmation)	58			%	10	05/24/19	CW	30 - 150 %
<u>Polychlorinated Biphenyls</u>								
PCB-1016	ND	83		ug/Kg	2	05/24/19	SC	SW8082A
PCB-1221	ND	83		ug/Kg	2	05/24/19	SC	SW8082A
PCB-1232	ND	83		ug/Kg	2	05/24/19	SC	SW8082A
PCB-1242	ND	83		ug/Kg	2	05/24/19	SC	SW8082A
PCB-1248	ND	83		ug/Kg	2	05/24/19	SC	SW8082A
PCB-1254	ND	83		ug/Kg	2	05/24/19	SC	SW8082A
PCB-1260	ND	83		ug/Kg	2	05/24/19	SC	SW8082A
PCB-1262	ND	83		ug/Kg	2	05/24/19	SC	SW8082A
PCB-1268	ND	83		ug/Kg	2	05/24/19	SC	SW8082A
<u>QA/QC Surrogates</u>								
% DCBP	69			%	2	05/24/19	SC	30 - 150 %
% DCBP (Confirmation)	73			%	2	05/24/19	SC	30 - 150 %
% TCMX	73			%	2	05/24/19	SC	30 - 150 %
% TCMX (Confirmation)	73			%	2	05/24/19	SC	30 - 150 %
<u>Pesticides - Soil</u>								
4,4' -DDD	ND	3.0		ug/Kg	2	05/24/19	CW	SW8081B
4,4' -DDE	ND	2.5		ug/Kg	2	05/24/19	CW	SW8081B
4,4' -DDT	ND	2.5		ug/Kg	2	05/24/19	CW	SW8081B
a-BHC	ND	8.3		ug/Kg	2	05/24/19	CW	SW8081B
a-Chlordane	ND	4.2		ug/Kg	2	05/24/19	CW	SW8081B
Aldrin	ND	4.2		ug/Kg	2	05/24/19	CW	SW8081B
b-BHC	ND	8.3		ug/Kg	2	05/24/19	CW	SW8081B
Chlordane	ND	42		ug/Kg	2	05/24/19	CW	SW8081B
d-BHC	ND	8.3		ug/Kg	2	05/24/19	CW	SW8081B
Dieldrin	ND	4.2		ug/Kg	2	05/24/19	CW	SW8081B
Endosulfan I	ND	8.3		ug/Kg	2	05/24/19	CW	SW8081B
Endosulfan II	ND	8.3		ug/Kg	2	05/24/19	CW	SW8081B
Endosulfan sulfate	ND	8.3		ug/Kg	2	05/24/19	CW	SW8081B
Endrin	ND	8.3		ug/Kg	2	05/24/19	CW	SW8081B
Endrin aldehyde	ND	8.3		ug/Kg	2	05/24/19	CW	SW8081B
Endrin ketone	ND	8.3		ug/Kg	2	05/24/19	CW	SW8081B
g-BHC	ND	1.7		ug/Kg	2	05/24/19	CW	SW8081B
g-Chlordane	ND	4.2		ug/Kg	2	05/24/19	CW	SW8081B
Heptachlor	ND	8.3		ug/Kg	2	05/24/19	CW	SW8081B
Heptachlor epoxide	ND	8.3		ug/Kg	2	05/24/19	CW	SW8081B
Methoxychlor	ND	42		ug/Kg	2	05/24/19	CW	SW8081B
Toxaphene	ND	170		ug/Kg	2	05/24/19	CW	SW8081B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>QA/QC Surrogates</u>								
% DCBP	74			%	2	05/24/19	CW	30 - 150 %
% DCBP (Confirmation)	72			%	2	05/24/19	CW	30 - 150 %
% TCMX	76			%	2	05/24/19	CW	30 - 150 %
% TCMX (Confirmation)	70			%	2	05/24/19	CW	30 - 150 %
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
1,2,4-Trichlorobenzene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
1,2-Dichlorobenzene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
1,2-Diphenylhydrazine	ND	400		ug/Kg	1	05/24/19	WB	SW8270D
1,3-Dichlorobenzene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
1,4-Dichlorobenzene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
2,4,5-Trichlorophenol	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
2,4,6-Trichlorophenol	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
2,4-Dichlorophenol	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
2,4-Dimethylphenol	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
2,4-Dinitrophenol	ND	400		ug/Kg	1	05/24/19	WB	SW8270D
2,4-Dinitrotoluene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
2,6-Dinitrotoluene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
2-Chloronaphthalene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
2-Chlorophenol	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
2-Methylnaphthalene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
2-Methylphenol (o-cresol)	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
2-Nitroaniline	ND	400		ug/Kg	1	05/24/19	WB	SW8270D
2-Nitrophenol	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	400		ug/Kg	1	05/24/19	WB	SW8270D
3,3'-Dichlorobenzidine	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
3-Nitroaniline	ND	400		ug/Kg	1	05/24/19	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	400		ug/Kg	1	05/24/19	WB	SW8270D
4-Bromophenyl phenyl ether	ND	400		ug/Kg	1	05/24/19	WB	SW8270D
4-Chloro-3-methylphenol	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
4-Chloroaniline	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
4-Nitroaniline	ND	650		ug/Kg	1	05/24/19	WB	SW8270D
4-Nitrophenol	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Acenaphthene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Acenaphthylene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Acetophenone	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Aniline	ND	400		ug/Kg	1	05/24/19	WB	SW8270D
Anthracene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Benz(a)anthracene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Benzidine	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Benzo(a)pyrene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Benzo(b)fluoranthene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Benzo(ghi)perylene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Benzo(k)fluoranthene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Benzoic acid	ND	810		ug/Kg	1	05/24/19	WB	SW8270D
Benzyl butyl phthalate	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	280		ug/Kg	1	05/24/19	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Bis(2-chloroethyl)ether	ND	400		ug/Kg	1	05/24/19	WB	SW8270D
Bis(2-chloroisopropyl)ether	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Carbazole	ND	400		ug/Kg	1	05/24/19	WB	SW8270D
Chrysene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Dibenz(a,h)anthracene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Dibenzofuran	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Diethyl phthalate	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Dimethylphthalate	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Di-n-butylphthalate	ND	400		ug/Kg	1	05/24/19	WB	SW8270D
Di-n-octylphthalate	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Fluoranthene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Fluorene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Hexachlorobenzene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Hexachlorobutadiene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Hexachlorocyclopentadiene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Hexachloroethane	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Isophorone	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Naphthalene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Nitrobenzene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
N-Nitrosodimethylamine	ND	400		ug/Kg	1	05/24/19	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	200		ug/Kg	1	05/24/19	WB	SW8270D
N-Nitrosodiphenylamine	ND	400		ug/Kg	1	05/24/19	WB	SW8270D
Pentachloronitrobenzene	ND	400		ug/Kg	1	05/24/19	WB	SW8270D
Pentachlorophenol	ND	400		ug/Kg	1	05/24/19	WB	SW8270D
Phenanthrene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Phenol	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Pyrene	ND	280		ug/Kg	1	05/24/19	WB	SW8270D
Pyridine	ND	400		ug/Kg	1	05/24/19	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	97			%	1	05/24/19	WB	30 - 130 %
% 2-Fluorobiphenyl	63			%	1	05/24/19	WB	30 - 130 %
% 2-Fluorophenol	60			%	1	05/24/19	WB	30 - 130 %
% Nitrobenzene-d5	75			%	1	05/24/19	WB	30 - 130 %
% Phenol-d5	67			%	1	05/24/19	WB	30 - 130 %
% Terphenyl-d14	65			%	1	05/24/19	WB	30 - 130 %
<u>Additional Semi-Volatile Compounds</u>								
1,1-Biphenyl	ND	280	120	ug/Kg	1	05/24/19	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	280	140	ug/Kg	1	05/24/19	WB	SW8270D
Atrazine	ND	160	81	ug/Kg	1	05/24/19	WB	SW8270D
Benzaldehyde	ND	280	120	ug/Kg	1	05/24/19	WB	SW8270D
Benzo(a)pyrene	ND	280	130	ug/Kg	1	05/24/19	WB	SW8270D
Caprolactam	ND	160	280	ug/Kg	1	05/24/19	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	97			%	1	05/24/19	WB	30 - 130 %
% 2-Fluorobiphenyl	63			%	1	05/24/19	WB	30 - 130 %
% 2-Fluorophenol	60			%	1	05/24/19	WB	30 - 130 %
% Nitrobenzene-d5	75			%	1	05/24/19	WB	30 - 130 %

Client ID: SP-3 COMP 2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Phenol-d5	67			%	1	05/24/19	WB	30 - 130 %
% Terphenyl-d14	65			%	1	05/24/19	WB	30 - 130 %

1 = This parameter is not certified by the primary accrediting authority (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 Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit¹

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

Comments:

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

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

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

Semi-Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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 you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

May 24, 2019

Official Report Release To Follow

Friday, May 24, 2019

Criteria: NJ: NRC, RC; NY: 375, 375GWP, 375RRS, 37

State: NJ

Sample Criteria Exceedances Report

GCD20685 - TAYLORD

Page 1 of 1

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
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*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance 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.



NY/NJ CHAIN OF CUSTODY RECORD

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

Coolant: Cooler: Yes No
 IPK ICE

Temp 23 C Pg 2 of 2

Contact Options:

Fax: _____
 Phone: _____
 Email: scott@taylordenvironment.com

Customer: Taylord Environment, Inc.
Address: PO Box 613
 Wingdale, NY
 scott@taylordenvironment.com

Project: Advanced Soil 39 Edgeboro Road (S1 Stockpile)
 East Brunswick, NJ

Project P.O.:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification
 Sampler's Signature: _____ Date: 5/23/19

Analysis Request

PART 375 VOC only
 PART 375 (NO VOC)

Soil VOA Vials [1] methanol [3] H₂O
 GL Soil container (8) oz
 GL Soil container () oz
 40 ml VOA Vial [] As is [] HCl
 GL Amber 1000ml [] As is [] H₂SO₄
 PL As is [] 250ml [] 500ml [] 1000ml
 PL H₂SO₄ [] 250ml [] 500ml
 PL HNO₃ 250ml
 Bacteria Bottle

Matrix Code:
 DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water RW=Raw Water
 SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe OIL=Oil B=Bulk L=Liquid

PHOENIX USE ONLY

SAMPLE #	Customer Sample Identification	Sample Matrix	Date	Analysis Request	Quantity
20685	SP-3 Grab VOC 1	s	5/23/19	X	3
20686	SP-3 Grab VOC 2	s	↓	x	3
20687	SP-3 Grab VOC 3	s		x	3
20688	SP-3 Grab VOC 4	s		x	3
20689	SP-3 Grab VOC 5	s		x	3
20690	SP-3 Grab VOC 6	s		x	3
20691	SP-3 Grab VOC 7	s		x	3
20692	SP-3 Comp 1	s		X	2
20693	SP-3 Comp 2	s	X	2	

Relinquished by: _____ **Accepted by:** _____
Date: 5/23/19 **Time:** 145-
 5/23/19 15:00
 5/23/19 16:36

Turnaround:
 1 Day*
 2 Days*
 3 Days*
 5 Days
 10 Days
 Other

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

NY:
 NY 375 GWP
 NY375 Unrestricted Use Soil
 NY375 Residential
 Restricted/Residential
 Commercial
 Industrial

Data Format:
 Phoenix Std Report
 Excel
 PDF
 GIS/Key
 EQUIS
 NJ Hazsite EDD
 NY EZ EDD (ASP)
 Other _____

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

Comments, Special Requirements or Regulations:
 Please Report Analytes on the Taylord Environment Watch List
24 Hour TAT

Note: VOC SAMPLES ARE GRAB SAMPLES, COMPOSITE SAMPLES ARE FIVE POINT COMPOSITES SAMPLES

State where samples were collected: NJ



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



Analysis Report

April 25, 2019

FOR: Attn: Mr. Scott Taylor
 Taylord Environment, Inc.
 PO BOX 613
 Wingdale, NY 12594

Sample Information

Matrix: SOIL
 Location Code: TAYLORD
 Rush Request: 24 Hour
 P.O.#:

Custody Information

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

Date

04/22/19
 04/23/19

Time

15:00
 16:36

Laboratory Data

SDG ID: GCC99892
 Phoenix ID: CC99892

Project ID: ADVANCED SOIL 39 EDGEBORO ROAD
 Client ID: SP-1 GRAB VOC 1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
1,1,1-Trichloroethane	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
1,1,2,2-Tetrachloroethane	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
1,1,2-Trichloroethane	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
1,1-Dichloroethane	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
1,1-Dichloroethene	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
1,1-Dichloropropene	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
1,2,3-Trichlorobenzene	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
1,2,3-Trichloropropane	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
1,2,4-Trichlorobenzene	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
1,2,4-Trimethylbenzene	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
1,2-Dibromo-3-chloropropane	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
1,2-Dibromoethane	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
1,2-Dichlorobenzene	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
1,2-Dichloroethane	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
1,2-Dichloropropane	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
1,3,5-Trimethylbenzene	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
1,3-Dichlorobenzene	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
1,3-Dichloropropane	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
1,4-Dichlorobenzene	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
2,2-Dichloropropane	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
2-Chlorotoluene	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
2-Hexanone	ND	39	ug/Kg	1	04/23/19	HM	SW8260C
2-Isopropyltoluene	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
4-Chlorotoluene	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
4-Methyl-2-pentanone	ND	39	ug/Kg	1	04/23/19	HM	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	39	ug/Kg	1	04/23/19	HM	SW8260C
Acrylonitrile	ND	15	ug/Kg	1	04/23/19	HM	SW8260C
Benzene	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
Bromobenzene	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
Bromochloromethane	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
Bromodichloromethane	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
Bromoform	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
Bromomethane	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
Carbon Disulfide	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
Carbon tetrachloride	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
Chlorobenzene	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
Chloroethane	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
Chloroform	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
Chloromethane	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
cis-1,2-Dichloroethene	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
cis-1,3-Dichloropropene	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
Dibromochloromethane	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
Dibromomethane	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
Dichlorodifluoromethane	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
Ethylbenzene	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
Hexachlorobutadiene	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
Isopropylbenzene	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
m&p-Xylene	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
Methyl Ethyl Ketone	ND	39	ug/Kg	1	04/23/19	HM	SW8260C
Methyl t-butyl ether (MTBE)	ND	15	ug/Kg	1	04/23/19	HM	SW8260C
Methylene chloride	ND	15	ug/Kg	1	04/23/19	HM	SW8260C
Naphthalene	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
n-Butylbenzene	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
n-Propylbenzene	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
o-Xylene	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
p-Isopropyltoluene	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
sec-Butylbenzene	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
Styrene	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
tert-Butylbenzene	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
Tetrachloroethene	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
Tetrahydrofuran (THF)	ND	15	ug/Kg	1	04/23/19	HM	SW8260C
Toluene	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
Total Xylenes	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
trans-1,2-Dichloroethene	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
trans-1,3-Dichloropropene	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
trans-1,4-dichloro-2-butene	ND	15	ug/Kg	1	04/23/19	HM	SW8260C
Trichloroethene	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
Trichlorofluoromethane	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
Trichlorotrifluoroethane	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
Vinyl chloride	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	1	04/23/19	HM	70 - 130 %
% Bromofluorobenzene	96		%	1	04/23/19	HM	70 - 130 %
% Dibromofluoromethane	98		%	1	04/23/19	HM	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	98		%	1	04/23/19	HM	70 - 130 %
<u>1,4-dioxane</u>							
1,4-dioxane	ND	120	ug/kg	1	04/23/19	HM	SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	100		%	1	04/23/19	HM	70 - 130 %
% Bromofluorobenzene	96		%	1	04/23/19	HM	70 - 130 %
% Dibromofluoromethane	98		%	1	04/23/19	HM	70 - 130 %
% Toluene-d8	98		%	1	04/23/19	HM	70 - 130 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	31	ug/Kg	1	04/23/19	HM	SW8260C
Acrolein	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
Acrylonitrile	ND	31	ug/Kg	1	04/23/19	HM	SW8260C
Tert-butyl alcohol	ND	150	ug/Kg	1	04/23/19	HM	SW8260C
Methylacetate	ND	7.7	ug/Kg	1	04/23/19	HM	SW8260C
Field Extraction	Completed				04/22/19		SW5035A

1

1 = This parameter is not certified by the primary accrediting authority (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 Quantitation) ND=Not Detected at RL/PQL
 BRL=Below Reporting Level L=Biased Low

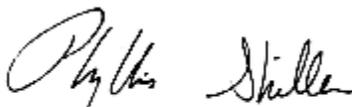
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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 you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

April 25, 2019

Official Report Release To Follow



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



Analysis Report

April 25, 2019

FOR: Attn: Mr. Scott Taylor
 Taylord Environment, Inc.
 PO BOX 613
 Wingdale, NY 12594

Sample Information

Matrix: SOIL
 Location Code: TAYLORD
 Rush Request: 24 Hour
 P.O.#:

Custody Information

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

Date

04/22/19
 04/23/19

Time

15:05
 16:36

Laboratory Data

SDG ID: GCC99892
 Phoenix ID: CC99893

Project ID: ADVANCED SOIL 39 EDGEBORO ROAD
 Client ID: SP-1 GRAB VOC 2

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
1,1,1-Trichloroethane	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
1,1,2-Trichloroethane	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
1,1-Dichloroethane	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
1,1-Dichloroethene	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
1,1-Dichloropropene	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
1,2,3-Trichlorobenzene	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
1,2,3-Trichloropropane	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
1,2,4-Trichlorobenzene	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
1,2,4-Trimethylbenzene	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
1,2-Dibromoethane	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
1,2-Dichlorobenzene	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
1,2-Dichloroethane	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
1,2-Dichloropropane	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
1,3,5-Trimethylbenzene	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
1,3-Dichlorobenzene	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
1,3-Dichloropropane	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
1,4-Dichlorobenzene	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
2,2-Dichloropropane	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
2-Chlorotoluene	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
2-Hexanone	ND	27	ug/Kg	1	04/23/19	HM	SW8260C
2-Isopropyltoluene	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
4-Chlorotoluene	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
4-Methyl-2-pentanone	ND	27	ug/Kg	1	04/23/19	HM	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	27	ug/Kg	1	04/23/19	HM	SW8260C
Acrylonitrile	ND	11	ug/Kg	1	04/23/19	HM	SW8260C
Benzene	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
Bromobenzene	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
Bromochloromethane	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
Bromodichloromethane	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
Bromoform	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
Bromomethane	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
Carbon Disulfide	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
Carbon tetrachloride	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
Chlorobenzene	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
Chloroethane	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
Chloroform	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
Chloromethane	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
cis-1,2-Dichloroethene	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
cis-1,3-Dichloropropene	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
Dibromochloromethane	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
Dibromomethane	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
Dichlorodifluoromethane	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
Ethylbenzene	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
Hexachlorobutadiene	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
Isopropylbenzene	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
m&p-Xylene	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
Methyl Ethyl Ketone	ND	27	ug/Kg	1	04/23/19	HM	SW8260C
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	1	04/23/19	HM	SW8260C
Methylene chloride	ND	11	ug/Kg	1	04/23/19	HM	SW8260C
Naphthalene	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
n-Butylbenzene	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
n-Propylbenzene	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
o-Xylene	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
p-Isopropyltoluene	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
sec-Butylbenzene	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
Styrene	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
tert-Butylbenzene	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
Tetrachloroethene	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
Tetrahydrofuran (THF)	ND	11	ug/Kg	1	04/23/19	HM	SW8260C
Toluene	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
Total Xylenes	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
trans-1,2-Dichloroethene	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
trans-1,3-Dichloropropene	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	1	04/23/19	HM	SW8260C
Trichloroethene	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
Trichlorofluoromethane	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
Trichlorotrifluoroethane	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
Vinyl chloride	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	1	04/23/19	HM	70 - 130 %
% Bromofluorobenzene	96		%	1	04/23/19	HM	70 - 130 %
% Dibromofluoromethane	98		%	1	04/23/19	HM	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	98		%	1	04/23/19	HM	70 - 130 %
<u>1,4-dioxane</u>							
1,4-dioxane	ND	80	ug/kg	1	04/23/19	HM	SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	100		%	1	04/23/19	HM	70 - 130 %
% Bromofluorobenzene	96		%	1	04/23/19	HM	70 - 130 %
% Dibromofluoromethane	98		%	1	04/23/19	HM	70 - 130 %
% Toluene-d8	98		%	1	04/23/19	HM	70 - 130 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	21	ug/Kg	1	04/23/19	HM	SW8260C
Acrolein	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
Acrylonitrile	ND	21	ug/Kg	1	04/23/19	HM	SW8260C
Tert-butyl alcohol	ND	110	ug/Kg	1	04/23/19	HM	SW8260C
Methylacetate	ND	5.3	ug/Kg	1	04/23/19	HM	SW8260C
Field Extraction	Completed				04/22/19		SW5035A

1

1 = This parameter is not certified by the primary accrediting authority (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 Quantitation) ND=Not Detected at RL/PQL
 BRL=Below Reporting Level L=Biased Low

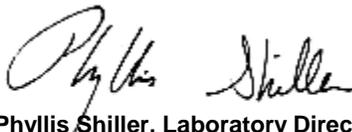
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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

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

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Phyllis Shiller, Laboratory Director

April 25, 2019

Official Report Release To Follow



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



Analysis Report

April 25, 2019

FOR: Attn: Mr. Scott Taylor
 Taylord Environment, Inc.
 PO BOX 613
 Wingdale, NY 12594

Sample Information

Matrix: SOIL
 Location Code: TAYLORD
 Rush Request: 24 Hour
 P.O.#:

Custody Information

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

Date

04/22/19
 04/23/19

Time

15:10
 16:36

Laboratory Data

SDG ID: GCC99892
 Phoenix ID: CC99894

Project ID: ADVANCED SOIL 39 EDGEBORO ROAD
 Client ID: SP-1 GRAB VOC 3

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
1,1,1-Trichloroethane	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
1,1,2-Trichloroethane	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
1,1-Dichloroethane	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
1,1-Dichloroethene	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
1,1-Dichloropropene	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
1,2,3-Trichlorobenzene	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
1,2,3-Trichloropropane	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
1,2,4-Trichlorobenzene	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
1,2,4-Trimethylbenzene	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
1,2-Dibromoethane	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
1,2-Dichlorobenzene	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
1,2-Dichloroethane	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
1,2-Dichloropropane	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
1,3,5-Trimethylbenzene	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
1,3-Dichlorobenzene	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
1,3-Dichloropropane	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
1,4-Dichlorobenzene	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
2,2-Dichloropropane	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
2-Chlorotoluene	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
2-Hexanone	ND	27	ug/Kg	1	04/23/19	HM	SW8260C
2-Isopropyltoluene	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
4-Chlorotoluene	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
4-Methyl-2-pentanone	ND	27	ug/Kg	1	04/23/19	HM	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	27	ug/Kg	1	04/23/19	HM	SW8260C
Acrylonitrile	ND	11	ug/Kg	1	04/23/19	HM	SW8260C
Benzene	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
Bromobenzene	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
Bromochloromethane	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
Bromodichloromethane	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
Bromoform	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
Bromomethane	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
Carbon Disulfide	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
Carbon tetrachloride	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
Chlorobenzene	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
Chloroethane	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
Chloroform	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
Chloromethane	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
cis-1,2-Dichloroethene	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
cis-1,3-Dichloropropene	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
Dibromochloromethane	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
Dibromomethane	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
Dichlorodifluoromethane	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
Ethylbenzene	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
Hexachlorobutadiene	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
Isopropylbenzene	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
m&p-Xylene	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
Methyl Ethyl Ketone	ND	27	ug/Kg	1	04/23/19	HM	SW8260C
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	1	04/23/19	HM	SW8260C
Methylene chloride	ND	11	ug/Kg	1	04/23/19	HM	SW8260C
Naphthalene	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
n-Butylbenzene	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
n-Propylbenzene	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
o-Xylene	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
p-Isopropyltoluene	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
sec-Butylbenzene	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
Styrene	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
tert-Butylbenzene	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
Tetrachloroethene	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
Tetrahydrofuran (THF)	ND	11	ug/Kg	1	04/23/19	HM	SW8260C
Toluene	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
Total Xylenes	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
trans-1,2-Dichloroethene	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
trans-1,3-Dichloropropene	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	1	04/23/19	HM	SW8260C
Trichloroethene	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
Trichlorofluoromethane	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
Trichlorotrifluoroethane	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
Vinyl chloride	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	1	04/23/19	HM	70 - 130 %
% Bromofluorobenzene	96		%	1	04/23/19	HM	70 - 130 %
% Dibromofluoromethane	98		%	1	04/23/19	HM	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	98		%	1	04/23/19	HM	70 - 130 %
<u>1,4-dioxane</u>							
1,4-dioxane	ND	82	ug/kg	1	04/23/19	HM	SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	100		%	1	04/23/19	HM	70 - 130 %
% Bromofluorobenzene	96		%	1	04/23/19	HM	70 - 130 %
% Dibromofluoromethane	98		%	1	04/23/19	HM	70 - 130 %
% Toluene-d8	98		%	1	04/23/19	HM	70 - 130 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	22	ug/Kg	1	04/23/19	HM	SW8260C
Acrolein	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
Acrylonitrile	ND	22	ug/Kg	1	04/23/19	HM	SW8260C
Tert-butyl alcohol	ND	110	ug/Kg	1	04/23/19	HM	SW8260C
Methylacetate	ND	5.5	ug/Kg	1	04/23/19	HM	SW8260C
Field Extraction	Completed				04/22/19		SW5035A

1

1 = This parameter is not certified by the primary accrediting authority (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 Quantitation) ND=Not Detected at RL/PQL
 BRL=Below Reporting Level L=Biased Low

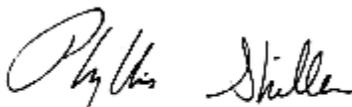
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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 you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

April 25, 2019

Official Report Release To Follow



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



Analysis Report

April 25, 2019

FOR: Attn: Mr. Scott Taylor
 Taylord Environment, Inc.
 PO BOX 613
 Wingdale, NY 12594

Sample Information

Matrix: SOIL
 Location Code: TAYLORD
 Rush Request: 24 Hour
 P.O.#:

Custody Information

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

Date

04/22/19
 04/23/19

Time

15:15
 16:36

Laboratory Data

SDG ID: GCC99892
 Phoenix ID: CC99895

Project ID: ADVANCED SOIL 39 EDGEBORO ROAD
 Client ID: SP-1 GRAB VOC 4

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
1,1,1-Trichloroethane	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
1,1,2-Trichloroethane	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
1,1-Dichloroethane	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
1,1-Dichloroethene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
1,1-Dichloropropene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
1,2,3-Trichlorobenzene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
1,2,3-Trichloropropane	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
1,2,4-Trichlorobenzene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
1,2,4-Trimethylbenzene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
1,2-Dibromoethane	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
1,2-Dichlorobenzene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
1,2-Dichloroethane	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
1,2-Dichloropropane	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
1,3,5-Trimethylbenzene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
1,3-Dichlorobenzene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
1,3-Dichloropropane	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
1,4-Dichlorobenzene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
2,2-Dichloropropane	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
2-Chlorotoluene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
2-Hexanone	ND	28	ug/Kg	1	04/24/19	HM	SW8260C
2-Isopropyltoluene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
4-Chlorotoluene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
4-Methyl-2-pentanone	ND	28	ug/Kg	1	04/24/19	HM	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	28	ug/Kg	1	04/24/19	HM	SW8260C
Acrylonitrile	ND	11	ug/Kg	1	04/24/19	HM	SW8260C
Benzene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Bromobenzene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Bromochloromethane	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Bromodichloromethane	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Bromoform	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Bromomethane	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Carbon Disulfide	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Carbon tetrachloride	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Chlorobenzene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Chloroethane	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Chloroform	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Chloromethane	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
cis-1,2-Dichloroethene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
cis-1,3-Dichloropropene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Dibromochloromethane	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Dibromomethane	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Dichlorodifluoromethane	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Ethylbenzene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Hexachlorobutadiene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Isopropylbenzene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
m&p-Xylene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Methyl Ethyl Ketone	ND	28	ug/Kg	1	04/24/19	HM	SW8260C
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	1	04/24/19	HM	SW8260C
Methylene chloride	ND	11	ug/Kg	1	04/24/19	HM	SW8260C
Naphthalene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
n-Butylbenzene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
n-Propylbenzene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
o-Xylene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
p-Isopropyltoluene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
sec-Butylbenzene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Styrene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
tert-Butylbenzene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Tetrachloroethene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Tetrahydrofuran (THF)	ND	11	ug/Kg	1	04/24/19	HM	SW8260C
Toluene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Total Xylenes	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
trans-1,2-Dichloroethene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
trans-1,3-Dichloropropene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	1	04/24/19	HM	SW8260C
Trichloroethene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Trichlorofluoromethane	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Trichlorotrifluoroethane	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Vinyl chloride	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99		%	1	04/24/19	HM	70 - 130 %
% Bromofluorobenzene	95		%	1	04/24/19	HM	70 - 130 %
% Dibromofluoromethane	97		%	1	04/24/19	HM	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	98		%	1	04/24/19	HM	70 - 130 %
<u>1,4-dioxane</u>							
1,4-dioxane	ND	85	ug/kg	1	04/24/19	HM	SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	99		%	1	04/24/19	HM	70 - 130 %
% Bromofluorobenzene	95		%	1	04/24/19	HM	70 - 130 %
% Dibromofluoromethane	97		%	1	04/24/19	HM	70 - 130 %
% Toluene-d8	98		%	1	04/24/19	HM	70 - 130 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	23	ug/Kg	1	04/24/19	HM	SW8260C
Acrolein	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Acrylonitrile	ND	23	ug/Kg	1	04/24/19	HM	SW8260C
Tert-butyl alcohol	ND	110	ug/Kg	1	04/24/19	HM	SW8260C
Methylacetate	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Field Extraction	Completed				04/22/19		SW5035A

1

1 = This parameter is not certified by the primary accrediting authority (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 Quantitation) ND=Not Detected at RL/PQL
 BRL=Below Reporting Level L=Biased Low

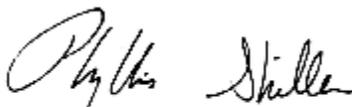
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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

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

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Phyllis Shiller, Laboratory Director

April 25, 2019

Official Report Release To Follow



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



Analysis Report

April 25, 2019

FOR: Attn: Mr. Scott Taylor
 Taylord Environment, Inc.
 PO BOX 613
 Wingdale, NY 12594

Sample Information

Matrix: SOIL
 Location Code: TAYLORD
 Rush Request: 24 Hour
 P.O.#:

Custody Information

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

Date

04/22/19
 04/23/19

Time

15:20
 16:36

Laboratory Data

SDG ID: GCC99892
 Phoenix ID: CC99896

Project ID: ADVANCED SOIL 39 EDGEBORO ROAD
 Client ID: SP-1 GRAB VOC 5

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
1,1,1-Trichloroethane	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
1,1,2-Trichloroethane	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
1,1-Dichloroethane	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
1,1-Dichloroethene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
1,1-Dichloropropene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
1,2,3-Trichlorobenzene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
1,2,3-Trichloropropane	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
1,2,4-Trichlorobenzene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
1,2,4-Trimethylbenzene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
1,2-Dibromoethane	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
1,2-Dichlorobenzene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
1,2-Dichloroethane	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
1,2-Dichloropropane	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
1,3,5-Trimethylbenzene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
1,3-Dichlorobenzene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
1,3-Dichloropropane	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
1,4-Dichlorobenzene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
2,2-Dichloropropane	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
2-Chlorotoluene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
2-Hexanone	ND	28	ug/Kg	1	04/24/19	HM	SW8260C
2-Isopropyltoluene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
4-Chlorotoluene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
4-Methyl-2-pentanone	ND	28	ug/Kg	1	04/24/19	HM	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	28	ug/Kg	1	04/24/19	HM	SW8260C
Acrylonitrile	ND	11	ug/Kg	1	04/24/19	HM	SW8260C
Benzene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Bromobenzene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Bromochloromethane	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Bromodichloromethane	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Bromoform	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Bromomethane	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Carbon Disulfide	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Carbon tetrachloride	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Chlorobenzene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Chloroethane	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Chloroform	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Chloromethane	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
cis-1,2-Dichloroethene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
cis-1,3-Dichloropropene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Dibromochloromethane	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Dibromomethane	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Dichlorodifluoromethane	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Ethylbenzene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Hexachlorobutadiene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Isopropylbenzene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
m&p-Xylene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Methyl Ethyl Ketone	ND	28	ug/Kg	1	04/24/19	HM	SW8260C
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	1	04/24/19	HM	SW8260C
Methylene chloride	ND	11	ug/Kg	1	04/24/19	HM	SW8260C
Naphthalene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
n-Butylbenzene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
n-Propylbenzene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
o-Xylene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
p-Isopropyltoluene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
sec-Butylbenzene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Styrene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
tert-Butylbenzene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Tetrachloroethene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Tetrahydrofuran (THF)	ND	11	ug/Kg	1	04/24/19	HM	SW8260C
Toluene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Total Xylenes	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
trans-1,2-Dichloroethene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
trans-1,3-Dichloropropene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	1	04/24/19	HM	SW8260C
Trichloroethene	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Trichlorofluoromethane	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Trichlorotrifluoroethane	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Vinyl chloride	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	1	04/24/19	HM	70 - 130 %
% Bromofluorobenzene	96		%	1	04/24/19	HM	70 - 130 %
% Dibromofluoromethane	99		%	1	04/24/19	HM	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	97		%	1	04/24/19	HM	70 - 130 %
<u>1,4-dioxane</u>							
1,4-dioxane	ND	85	ug/kg	1	04/24/19	HM	SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	100		%	1	04/24/19	HM	70 - 130 %
% Bromofluorobenzene	96		%	1	04/24/19	HM	70 - 130 %
% Dibromofluoromethane	99		%	1	04/24/19	HM	70 - 130 %
% Toluene-d8	97		%	1	04/24/19	HM	70 - 130 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	23	ug/Kg	1	04/24/19	HM	SW8260C
Acrolein	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Acrylonitrile	ND	23	ug/Kg	1	04/24/19	HM	SW8260C
Tert-butyl alcohol	ND	110	ug/Kg	1	04/24/19	HM	SW8260C
Methylacetate	ND	5.7	ug/Kg	1	04/24/19	HM	SW8260C
Field Extraction	Completed				04/22/19		SW5035A

1

1 = This parameter is not certified by the primary accrediting authority (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 Quantitation) ND=Not Detected at RL/PQL
 BRL=Below Reporting Level L=Biased Low

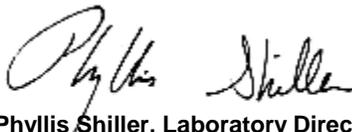
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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 you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

April 25, 2019

Official Report Release To Follow



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



Analysis Report

April 25, 2019

FOR: Attn: Mr. Scott Taylor
 Taylord Environment, Inc.
 PO BOX 613
 Wingdale, NY 12594

Sample Information

Matrix: SOIL
 Location Code: TAYLORD
 Rush Request: 24 Hour
 P.O.#:

Custody Information

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

Date

04/22/19
 04/23/19

Time

15:25
 16:36

Laboratory Data

SDG ID: GCC99892
 Phoenix ID: CC99897

Project ID: ADVANCED SOIL 39 EDGEBORO ROAD
 Client ID: SP-1 GRAB VOC 6

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
1,1,1-Trichloroethane	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
1,1,2-Trichloroethane	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
1,1-Dichloroethane	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
1,1-Dichloroethene	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
1,1-Dichloropropene	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
1,2,3-Trichlorobenzene	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
1,2,3-Trichloropropane	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
1,2,4-Trichlorobenzene	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
1,2,4-Trimethylbenzene	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
1,2-Dibromoethane	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
1,2-Dichlorobenzene	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
1,2-Dichloroethane	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
1,2-Dichloropropane	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
1,3,5-Trimethylbenzene	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
1,3-Dichlorobenzene	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
1,3-Dichloropropane	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
1,4-Dichlorobenzene	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
2,2-Dichloropropane	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
2-Chlorotoluene	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
2-Hexanone	ND	26	ug/Kg	1	04/24/19	HM	SW8260C
2-Isopropyltoluene	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
4-Chlorotoluene	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
4-Methyl-2-pentanone	ND	26	ug/Kg	1	04/24/19	HM	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	26	ug/Kg	1	04/24/19	HM	SW8260C
Acrylonitrile	ND	11	ug/Kg	1	04/24/19	HM	SW8260C
Benzene	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
Bromobenzene	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
Bromochloromethane	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
Bromodichloromethane	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
Bromoform	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
Bromomethane	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
Carbon Disulfide	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
Carbon tetrachloride	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
Chlorobenzene	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
Chloroethane	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
Chloroform	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
Chloromethane	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
cis-1,2-Dichloroethene	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
cis-1,3-Dichloropropene	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
Dibromochloromethane	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
Dibromomethane	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
Dichlorodifluoromethane	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
Ethylbenzene	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
Hexachlorobutadiene	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
Isopropylbenzene	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
m&p-Xylene	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
Methyl Ethyl Ketone	ND	26	ug/Kg	1	04/24/19	HM	SW8260C
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	1	04/24/19	HM	SW8260C
Methylene chloride	ND	11	ug/Kg	1	04/24/19	HM	SW8260C
Naphthalene	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
n-Butylbenzene	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
n-Propylbenzene	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
o-Xylene	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
p-Isopropyltoluene	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
sec-Butylbenzene	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
Styrene	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
tert-Butylbenzene	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
Tetrachloroethene	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
Tetrahydrofuran (THF)	ND	11	ug/Kg	1	04/24/19	HM	SW8260C
Toluene	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
Total Xylenes	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
trans-1,2-Dichloroethene	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
trans-1,3-Dichloropropene	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	1	04/24/19	HM	SW8260C
Trichloroethene	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
Trichlorofluoromethane	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
Trichlorotrifluoroethane	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
Vinyl chloride	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	1	04/24/19	HM	70 - 130 %
% Bromofluorobenzene	96		%	1	04/24/19	HM	70 - 130 %
% Dibromofluoromethane	97		%	1	04/24/19	HM	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	98		%	1	04/24/19	HM	70 - 130 %
<u>1,4-dioxane</u>							
1,4-dioxane	ND	79	ug/kg	1	04/24/19	HM	SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	100		%	1	04/24/19	HM	70 - 130 %
% Bromofluorobenzene	96		%	1	04/24/19	HM	70 - 130 %
% Dibromofluoromethane	97		%	1	04/24/19	HM	70 - 130 %
% Toluene-d8	98		%	1	04/24/19	HM	70 - 130 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	21	ug/Kg	1	04/24/19	HM	SW8260C
Acrolein	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
Acrylonitrile	ND	21	ug/Kg	1	04/24/19	HM	SW8260C
Tert-butyl alcohol	ND	110	ug/Kg	1	04/24/19	HM	SW8260C
Methylacetate	ND	5.3	ug/Kg	1	04/24/19	HM	SW8260C
Field Extraction	Completed				04/22/19		SW5035A

1

1 = This parameter is not certified by the primary accrediting authority (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 Quantitation) ND=Not Detected at RL/PQL
 BRL=Below Reporting Level L=Biased Low

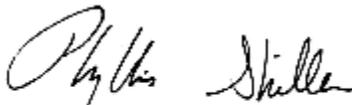
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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

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Phyllis Shiller, Laboratory Director

April 25, 2019

Official Report Release To Follow



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



Analysis Report

April 25, 2019

FOR: Attn: Mr. Scott Taylor
 Taylord Environment, Inc.
 PO BOX 613
 Wingdale, NY 12594

Sample Information

Matrix: SOIL
 Location Code: TAYLORD
 Rush Request: 24 Hour
 P.O.#:

Custody Information

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

Date

04/22/19
 04/23/19

Time

15:30
 16:36

Laboratory Data

SDG ID: GCC99892
 Phoenix ID: CC99898

Project ID: ADVANCED SOIL 39 EDGEBORO ROAD
 Client ID: SP-1 GRAB VOC 7

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
1,1,1-Trichloroethane	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
1,1,2-Trichloroethane	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
1,1-Dichloroethane	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
1,1-Dichloroethene	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
1,1-Dichloropropene	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
1,2,3-Trichlorobenzene	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
1,2,3-Trichloropropane	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
1,2,4-Trichlorobenzene	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
1,2,4-Trimethylbenzene	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
1,2-Dibromoethane	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
1,2-Dichlorobenzene	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
1,2-Dichloroethane	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
1,2-Dichloropropane	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
1,3,5-Trimethylbenzene	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
1,3-Dichlorobenzene	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
1,3-Dichloropropane	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
1,4-Dichlorobenzene	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
2,2-Dichloropropane	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
2-Chlorotoluene	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
2-Hexanone	ND	28	ug/Kg	1	04/24/19	HM	SW8260C
2-Isopropyltoluene	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
4-Chlorotoluene	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
4-Methyl-2-pentanone	ND	28	ug/Kg	1	04/24/19	HM	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	28	ug/Kg	1	04/24/19	HM	SW8260C
Acrylonitrile	ND	11	ug/Kg	1	04/24/19	HM	SW8260C
Benzene	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
Bromobenzene	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
Bromochloromethane	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
Bromodichloromethane	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
Bromoform	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
Bromomethane	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
Carbon Disulfide	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
Carbon tetrachloride	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
Chlorobenzene	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
Chloroethane	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
Chloroform	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
Chloromethane	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
cis-1,2-Dichloroethene	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
cis-1,3-Dichloropropene	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
Dibromochloromethane	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
Dibromomethane	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
Dichlorodifluoromethane	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
Ethylbenzene	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
Hexachlorobutadiene	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
Isopropylbenzene	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
m&p-Xylene	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
Methyl Ethyl Ketone	ND	28	ug/Kg	1	04/24/19	HM	SW8260C
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	1	04/24/19	HM	SW8260C
Methylene chloride	ND	11	ug/Kg	1	04/24/19	HM	SW8260C
Naphthalene	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
n-Butylbenzene	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
n-Propylbenzene	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
o-Xylene	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
p-Isopropyltoluene	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
sec-Butylbenzene	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
Styrene	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
tert-Butylbenzene	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
Tetrachloroethene	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
Tetrahydrofuran (THF)	ND	11	ug/Kg	1	04/24/19	HM	SW8260C
Toluene	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
Total Xylenes	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
trans-1,2-Dichloroethene	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
trans-1,3-Dichloropropene	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	1	04/24/19	HM	SW8260C
Trichloroethene	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
Trichlorofluoromethane	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
Trichlorotrifluoroethane	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
Vinyl chloride	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99		%	1	04/24/19	HM	70 - 130 %
% Bromofluorobenzene	96		%	1	04/24/19	HM	70 - 130 %
% Dibromofluoromethane	98		%	1	04/24/19	HM	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	98		%	1	04/24/19	HM	70 - 130 %
<u>1,4-dioxane</u>							
1,4-dioxane	ND	84	ug/kg	1	04/24/19	HM	SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	99		%	1	04/24/19	HM	70 - 130 %
% Bromofluorobenzene	96		%	1	04/24/19	HM	70 - 130 %
% Dibromofluoromethane	98		%	1	04/24/19	HM	70 - 130 %
% Toluene-d8	98		%	1	04/24/19	HM	70 - 130 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	22	ug/Kg	1	04/24/19	HM	SW8260C
Acrolein	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
Acrylonitrile	ND	22	ug/Kg	1	04/24/19	HM	SW8260C
Tert-butyl alcohol	ND	110	ug/Kg	1	04/24/19	HM	SW8260C
Methylacetate	ND	5.6	ug/Kg	1	04/24/19	HM	SW8260C
Field Extraction	Completed				04/22/19		SW5035A

1

1 = This parameter is not certified by the primary accrediting authority (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 Quantitation) ND=Not Detected at RL/PQL
 BRL=Below Reporting Level L=Biased Low

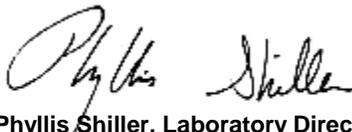
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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 you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

April 25, 2019

Official Report Release To Follow



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



Analysis Report

April 25, 2019

FOR: Attn: Mr. Scott Taylor
 Taylord Environment, Inc.
 PO BOX 613
 Wingdale, NY 12594

Sample Information

Matrix: SOIL
 Location Code: TAYLORD
 Rush Request: 24 Hour
 P.O.#:

Custody Information

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

Date

04/22/19
 04/23/19

Time

14:50
 16:36

Laboratory Data

SDG ID: GCC99892
 Phoenix ID: CC99899

Project ID: ADVANCED SOIL 39 EDGEBORO ROAD
 Client ID: SP-1 COMP 1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.34	0.34		mg/Kg	1	04/24/19	EK	SW6010D
Arsenic	0.78	0.68		mg/Kg	1	04/24/19	EK	SW6010D
Barium	3.03	0.34		mg/Kg	1	04/24/19	EK	SW6010D
Beryllium	< 0.27	0.27		mg/Kg	1	04/24/19	EK	SW6010D
Cadmium	< 0.34	0.34		mg/Kg	1	04/24/19	EK	SW6010D
Chromium	14.1	0.34		mg/Kg	1	04/24/19	EK	SW6010D
Copper	0.8	0.7		mg/kg	1	04/24/19	EK	SW6010D
Mercury	< 0.03	0.03		mg/Kg	1	04/24/19	RS	SW7471B
Manganese	11.5	0.34		mg/Kg	1	04/24/19	EK	SW6010D
Nickel	< 0.34	0.34		mg/Kg	1	04/24/19	EK	SW6010D
Lead	1.61	0.34		mg/Kg	1	04/24/19	EK	SW6010D
Selenium	< 1.4	1.4		mg/Kg	1	04/24/19	EK	SW6010D
Trivalent Chromium	14.1	0.34		mg/kg	1	04/24/19		CALC 6010-7196
Zinc	3.3	0.7		mg/Kg	1	04/24/19	EK	SW6010D
Percent Solid	93			%		04/23/19	ML	SW846-%Solid
Chromium, Hex. (SW3060 digestion)	< 0.40	0.40		mg/Kg	1	04/24/19	EG	SW7196A
pH at 25C - Soil	5.81	1.00		pH Units	1	04/23/19 22:37	AP	SW9045
Redox Potential	200			mV	1	04/23/19	AP	SM2580B-09
Total Cyanide (SW9010C Distill.)	< 0.54	0.54		mg/Kg	1	04/24/19	O/GD	SW9012B
Soil Extraction for PCB	Completed					04/23/19	S/M/VV	SW3545A
Soil Extraction for Pesticides	Completed					04/23/19	S/M/VV	SW3545A
Soil Extraction for SVOA	Completed					04/23/19	JJ/LV	SW3545A
Mercury Digestion	Completed					04/24/19	I/I	SW7471B
Soil Extraction for Herbicide	Completed					04/24/19	C/D	SW8151A
Total Metals Digest	Completed					04/23/19	S/AG	SW3050B

Chlorinated Herbicides

2,4,5-T	ND	90		ug/Kg	10	04/25/19	CW	SW8151A
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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,5-TP (Silvex)	ND	90		ug/Kg	10	04/25/19	CW	SW8151A
2,4-D	ND	180		ug/Kg	10	04/25/19	CW	SW8151A
2,4-DB	ND	1800		ug/Kg	10	04/25/19	CW	SW8151A
Dalapon	ND	90		ug/Kg	10	04/25/19	CW	SW8151A
Dicamba	ND	90		ug/Kg	10	04/25/19	CW	SW8151A
Dichloroprop	ND	180		ug/Kg	10	04/25/19	CW	SW8151A
Dinoseb	ND	180		ug/Kg	10	04/25/19	CW	SW8151A
<u>QA/QC Surrogates</u>								
% DCAA	41			%	10	04/25/19	CW	30 - 150 %
% DCAA (Confirmation)	48			%	10	04/25/19	CW	30 - 150 %
<u>Polychlorinated Biphenyls</u>								
PCB-1016	ND	360		ug/Kg	10	04/24/19	SC	SW8082A
PCB-1221	ND	360		ug/Kg	10	04/24/19	SC	SW8082A
PCB-1232	ND	360		ug/Kg	10	04/24/19	SC	SW8082A
PCB-1242	ND	360		ug/Kg	10	04/24/19	SC	SW8082A
PCB-1248	ND	360		ug/Kg	10	04/24/19	SC	SW8082A
PCB-1254	ND	360		ug/Kg	10	04/24/19	SC	SW8082A
PCB-1260	ND	360		ug/Kg	10	04/24/19	SC	SW8082A
PCB-1262	ND	360		ug/Kg	10	04/24/19	SC	SW8082A
PCB-1268	ND	360		ug/Kg	10	04/24/19	SC	SW8082A
<u>QA/QC Surrogates</u>								
% DCBP	70			%	10	04/24/19	SC	30 - 150 %
% DCBP (Confirmation)	65			%	10	04/24/19	SC	30 - 150 %
% TCMX	54			%	10	04/24/19	SC	30 - 150 %
% TCMX (Confirmation)	62			%	10	04/24/19	SC	30 - 150 %
<u>Pesticides - Soil</u>								
4,4' -DDD	ND	2.1		ug/Kg	2	04/24/19	CW	SW8081B
4,4' -DDE	ND	2.1		ug/Kg	2	04/24/19	CW	SW8081B
4,4' -DDT	ND	2.1		ug/Kg	2	04/24/19	CW	SW8081B
a-BHC	ND	7.1		ug/Kg	2	04/24/19	CW	SW8081B
a-Chlordane	ND	3.6		ug/Kg	2	04/24/19	CW	SW8081B
Aldrin	ND	3.6		ug/Kg	2	04/24/19	CW	SW8081B
b-BHC	ND	7.1		ug/Kg	2	04/24/19	CW	SW8081B
Chlordane	ND	36		ug/Kg	2	04/24/19	CW	SW8081B
d-BHC	ND	7.1		ug/Kg	2	04/24/19	CW	SW8081B
Dieldrin	ND	3.6		ug/Kg	2	04/24/19	CW	SW8081B
Endosulfan I	ND	7.1		ug/Kg	2	04/24/19	CW	SW8081B
Endosulfan II	ND	7.1		ug/Kg	2	04/24/19	CW	SW8081B
Endosulfan sulfate	ND	7.1		ug/Kg	2	04/24/19	CW	SW8081B
Endrin	ND	7.1		ug/Kg	2	04/24/19	CW	SW8081B
Endrin aldehyde	ND	7.1		ug/Kg	2	04/24/19	CW	SW8081B
Endrin ketone	ND	7.1		ug/Kg	2	04/24/19	CW	SW8081B
g-BHC	ND	1.4		ug/Kg	2	04/24/19	CW	SW8081B
g-Chlordane	ND	3.6		ug/Kg	2	04/24/19	CW	SW8081B
Heptachlor	ND	7.1		ug/Kg	2	04/24/19	CW	SW8081B
Heptachlor epoxide	ND	7.1		ug/Kg	2	04/24/19	CW	SW8081B
Methoxychlor	ND	36		ug/Kg	2	04/24/19	CW	SW8081B
Toxaphene	ND	140		ug/Kg	2	04/24/19	CW	SW8081B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>QA/QC Surrogates</u>								
% DCBP	56			%	2	04/24/19	CW	30 - 150 %
% DCBP (Confirmation)	83			%	2	04/24/19	CW	30 - 150 %
% TCMX	50			%	2	04/24/19	CW	30 - 150 %
% TCMX (Confirmation)	48			%	2	04/24/19	CW	30 - 150 %
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
1,2,4-Trichlorobenzene	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
1,2-Dichlorobenzene	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
1,2-Diphenylhydrazine	ND	360		ug/Kg	1	04/24/19	WB	SW8270D
1,3-Dichlorobenzene	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
1,4-Dichlorobenzene	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
2,4,5-Trichlorophenol	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
2,4,6-Trichlorophenol	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
2,4-Dichlorophenol	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
2,4-Dimethylphenol	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
2,4-Dinitrophenol	ND	360		ug/Kg	1	04/24/19	WB	SW8270D
2,4-Dinitrotoluene	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
2,6-Dinitrotoluene	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
2-Chloronaphthalene	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
2-Chlorophenol	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
2-Methylnaphthalene	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
2-Methylphenol (o-cresol)	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
2-Nitroaniline	ND	360		ug/Kg	1	04/24/19	WB	SW8270D
2-Nitrophenol	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	360		ug/Kg	1	04/24/19	WB	SW8270D
3,3'-Dichlorobenzidine	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
3-Nitroaniline	ND	360		ug/Kg	1	04/24/19	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	360		ug/Kg	1	04/24/19	WB	SW8270D
4-Bromophenyl phenyl ether	ND	360		ug/Kg	1	04/24/19	WB	SW8270D
4-Chloro-3-methylphenol	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
4-Chloroaniline	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
4-Nitroaniline	ND	570		ug/Kg	1	04/24/19	WB	SW8270D
4-Nitrophenol	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
Acenaphthene	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
Acenaphthylene	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
Acetophenone	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
Aniline	ND	360		ug/Kg	1	04/24/19	WB	SW8270D
Anthracene	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
Benz(a)anthracene	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
Benzidine	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
Benzo(a)pyrene	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
Benzo(b)fluoranthene	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
Benzo(ghi)perylene	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
Benzo(k)fluoranthene	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
Benzoic acid	ND	710		ug/Kg	1	04/24/19	WB	SW8270D
Benzyl butyl phthalate	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	250		ug/Kg	1	04/24/19	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Bis(2-chloroethyl)ether	ND	360		ug/Kg	1	04/24/19	WB	SW8270D
Bis(2-chloroisopropyl)ether	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
Carbazole	ND	360		ug/Kg	1	04/24/19	WB	SW8270D
Chrysene	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
Dibenz(a,h)anthracene	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
Dibenzofuran	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
Diethyl phthalate	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
Dimethylphthalate	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
Di-n-butylphthalate	ND	360		ug/Kg	1	04/24/19	WB	SW8270D
Di-n-octylphthalate	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
Fluoranthene	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
Fluorene	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
Hexachlorobenzene	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
Hexachlorobutadiene	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
Hexachlorocyclopentadiene	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
Hexachloroethane	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
Isophorone	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
Naphthalene	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
Nitrobenzene	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
N-Nitrosodimethylamine	ND	360		ug/Kg	1	04/24/19	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
N-Nitrosodiphenylamine	ND	360		ug/Kg	1	04/24/19	WB	SW8270D
Pentachloronitrobenzene	ND	360		ug/Kg	1	04/24/19	WB	SW8270D
Pentachlorophenol	ND	360		ug/Kg	1	04/24/19	WB	SW8270D
Phenanthrene	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
Phenol	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
Pyrene	ND	250		ug/Kg	1	04/24/19	WB	SW8270D
Pyridine	ND	360		ug/Kg	1	04/24/19	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	58			%	1	04/24/19	WB	30 - 130 %
% 2-Fluorobiphenyl	50			%	1	04/24/19	WB	30 - 130 %
% 2-Fluorophenol	48			%	1	04/24/19	WB	30 - 130 %
% Nitrobenzene-d5	48			%	1	04/24/19	WB	30 - 130 %
% Phenol-d5	52			%	1	04/24/19	WB	30 - 130 %
% Terphenyl-d14	52			%	1	04/24/19	WB	30 - 130 %
<u>Additional Semi-Volatile Compounds</u>								
1,1-Biphenyl	ND	250	110	ug/Kg	1	04/24/19	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	250	120	ug/Kg	1	04/24/19	WB	SW8270D
Atrazine	ND	140	71	ug/Kg	1	04/24/19	WB	SW8270D
Benzaldehyde	ND	250	110	ug/Kg	1	04/24/19	WB	SW8270D
Benzo(a)pyrene	ND	250	120	ug/Kg	1	04/24/19	WB	SW8270D
Caprolactam	ND	140	250	ug/Kg	1	04/24/19	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	58			%	1	04/24/19	WB	30 - 130 %
% 2-Fluorobiphenyl	50			%	1	04/24/19	WB	30 - 130 %
% 2-Fluorophenol	48			%	1	04/24/19	WB	30 - 130 %
% Nitrobenzene-d5	48			%	1	04/24/19	WB	30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Phenol-d5	52			%	1	04/24/19	WB	30 - 130 %
% Terphenyl-d14	52			%	1	04/24/19	WB	30 - 130 %

1 = This parameter is not certified by the primary accrediting authority (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 Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit

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

Comments:

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

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

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 you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Phyllis Shiller, Laboratory Director

April 25, 2019

Official Report Release To Follow



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



Analysis Report

April 25, 2019

FOR: Attn: Mr. Scott Taylor
 Taylord Environment, Inc.
 PO BOX 613
 Wingdale, NY 12594

Sample Information

Matrix: SOIL
 Location Code: TAYLORD
 Rush Request: 24 Hour
 P.O.#:

Custody Information

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

Date

04/22/19
 04/23/19

Time

14:55
 16:36

Laboratory Data

SDG ID: GCC99892
 Phoenix ID: CC99900

Project ID: ADVANCED SOIL 39 EDGEBORO ROAD
 Client ID: SP-1 COMP 2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.36	0.36		mg/Kg	1	04/24/19	EK	SW6010D
Arsenic	< 0.71	0.71		mg/Kg	1	04/24/19	EK	SW6010D
Barium	2.17	0.36		mg/Kg	1	04/24/19	EK	SW6010D
Beryllium	< 0.29	0.29		mg/Kg	1	04/24/19	EK	SW6010D
Cadmium	< 0.36	0.36		mg/Kg	1	04/24/19	EK	SW6010D
Chromium	2.61	0.36		mg/Kg	1	04/24/19	EK	SW6010D
Copper	< 0.7	0.7		mg/kg	1	04/24/19	EK	SW6010D
Mercury	< 0.03	0.03		mg/Kg	1	04/24/19	RS	SW7471B
Manganese	9.43	0.36		mg/Kg	1	04/24/19	EK	SW6010D
Nickel	< 0.36	0.36		mg/Kg	1	04/24/19	EK	SW6010D
Lead	1.34	0.36		mg/Kg	1	04/24/19	EK	SW6010D
Selenium	< 1.4	1.4		mg/Kg	1	04/24/19	EK	SW6010D
Trivalent Chromium	2.61	0.36		mg/kg	1	04/24/19		CALC 6010-7196
Zinc	1.7	0.7		mg/Kg	1	04/24/19	EK	SW6010D
Percent Solid	96			%		04/23/19	ML	SW846-%Solid
Chromium, Hex. (SW3060 digestion)	< 0.41	0.41		mg/Kg	1	04/24/19	EG	SW7196A
pH at 25C - Soil	5.24	1.00		pH Units	1	04/23/19 22:37	AP	SW9045
Redox Potential	184			mV	1	04/23/19	AP	SM2580B-09
Total Cyanide (SW9010C Distill.)	< 0.52	0.52		mg/Kg	1	04/24/19	O/GD	SW9012B
Soil Extraction for PCB	Completed					04/23/19	MM/VV	SW3545A
Soil Extraction for Pesticides	Completed					04/23/19	MM/VV	SW3545A
Soil Extraction for SVOA	Completed					04/23/19	JJ/LV	SW3545A
Mercury Digestion	Completed					04/24/19	I/I	SW7471B
Soil Extraction for Herbicide	Completed					04/23/19	C/D	SW8151A
Total Metals Digest	Completed					04/23/19	S/AG	SW3050B

Chlorinated Herbicides

2,4,5-T	ND	87		ug/Kg	10	04/24/19	CW	SW8151A
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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,5-TP (Silvex)	ND	87		ug/Kg	10	04/24/19	CW	SW8151A
2,4-D	ND	170		ug/Kg	10	04/24/19	CW	SW8151A
2,4-DB	ND	1700		ug/Kg	10	04/24/19	CW	SW8151A
Dalapon	ND	87		ug/Kg	10	04/24/19	CW	SW8151A
Dicamba	ND	87		ug/Kg	10	04/24/19	CW	SW8151A
Dichloroprop	ND	170		ug/Kg	10	04/24/19	CW	SW8151A
Dinoseb	ND	170		ug/Kg	10	04/24/19	CW	SW8151A
<u>QA/QC Surrogates</u>								
% DCAA	54			%	10	04/24/19	CW	30 - 150 %
% DCAA (Confirmation)	56			%	10	04/24/19	CW	30 - 150 %
<u>Polychlorinated Biphenyls</u>								
PCB-1016	ND	350		ug/Kg	10	04/24/19	SC	SW8082A
PCB-1221	ND	350		ug/Kg	10	04/24/19	SC	SW8082A
PCB-1232	ND	350		ug/Kg	10	04/24/19	SC	SW8082A
PCB-1242	ND	350		ug/Kg	10	04/24/19	SC	SW8082A
PCB-1248	ND	350		ug/Kg	10	04/24/19	SC	SW8082A
PCB-1254	ND	350		ug/Kg	10	04/24/19	SC	SW8082A
PCB-1260	ND	350		ug/Kg	10	04/24/19	SC	SW8082A
PCB-1262	ND	350		ug/Kg	10	04/24/19	SC	SW8082A
PCB-1268	ND	350		ug/Kg	10	04/24/19	SC	SW8082A
<u>QA/QC Surrogates</u>								
% DCBP	104			%	10	04/24/19	SC	30 - 150 %
% DCBP (Confirmation)	94			%	10	04/24/19	SC	30 - 150 %
% TCMX	80			%	10	04/24/19	SC	30 - 150 %
% TCMX (Confirmation)	87			%	10	04/24/19	SC	30 - 150 %
<u>Pesticides - Soil</u>								
4,4' -DDD	ND	2.1		ug/Kg	2	04/24/19	CW	SW8081B
4,4' -DDE	ND	2.1		ug/Kg	2	04/24/19	CW	SW8081B
4,4' -DDT	ND	2.1		ug/Kg	2	04/24/19	CW	SW8081B
a-BHC	ND	6.9		ug/Kg	2	04/24/19	CW	SW8081B
a-Chlordane	ND	3.5		ug/Kg	2	04/24/19	CW	SW8081B
Aldrin	ND	3.5		ug/Kg	2	04/24/19	CW	SW8081B
b-BHC	ND	6.9		ug/Kg	2	04/24/19	CW	SW8081B
Chlordane	ND	35		ug/Kg	2	04/24/19	CW	SW8081B
d-BHC	ND	6.9		ug/Kg	2	04/24/19	CW	SW8081B
Dieldrin	ND	3.5		ug/Kg	2	04/24/19	CW	SW8081B
Endosulfan I	ND	6.9		ug/Kg	2	04/24/19	CW	SW8081B
Endosulfan II	ND	6.9		ug/Kg	2	04/24/19	CW	SW8081B
Endosulfan sulfate	ND	6.9		ug/Kg	2	04/24/19	CW	SW8081B
Endrin	ND	6.9		ug/Kg	2	04/24/19	CW	SW8081B
Endrin aldehyde	ND	6.9		ug/Kg	2	04/24/19	CW	SW8081B
Endrin ketone	ND	6.9		ug/Kg	2	04/24/19	CW	SW8081B
g-BHC	ND	1.4		ug/Kg	2	04/24/19	CW	SW8081B
g-Chlordane	ND	3.5		ug/Kg	2	04/24/19	CW	SW8081B
Heptachlor	ND	6.9		ug/Kg	2	04/24/19	CW	SW8081B
Heptachlor epoxide	ND	6.9		ug/Kg	2	04/24/19	CW	SW8081B
Methoxychlor	ND	35		ug/Kg	2	04/24/19	CW	SW8081B
Toxaphene	ND	140		ug/Kg	2	04/24/19	CW	SW8081B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>QA/QC Surrogates</u>								
% DCBP	84			%	2	04/24/19	CW	30 - 150 %
% DCBP (Confirmation)	108			%	2	04/24/19	CW	30 - 150 %
% TCMX	67			%	2	04/24/19	CW	30 - 150 %
% TCMX (Confirmation)	68			%	2	04/24/19	CW	30 - 150 %
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
1,2,4-Trichlorobenzene	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
1,2-Dichlorobenzene	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
1,2-Diphenylhydrazine	ND	350		ug/Kg	1	04/24/19	WB	SW8270D
1,3-Dichlorobenzene	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
1,4-Dichlorobenzene	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
2,4,5-Trichlorophenol	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
2,4,6-Trichlorophenol	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
2,4-Dichlorophenol	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
2,4-Dimethylphenol	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
2,4-Dinitrophenol	ND	350		ug/Kg	1	04/24/19	WB	SW8270D
2,4-Dinitrotoluene	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
2,6-Dinitrotoluene	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
2-Chloronaphthalene	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
2-Chlorophenol	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
2-Methylnaphthalene	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
2-Methylphenol (o-cresol)	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
2-Nitroaniline	ND	350		ug/Kg	1	04/24/19	WB	SW8270D
2-Nitrophenol	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	350		ug/Kg	1	04/24/19	WB	SW8270D
3,3'-Dichlorobenzidine	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
3-Nitroaniline	ND	350		ug/Kg	1	04/24/19	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	350		ug/Kg	1	04/24/19	WB	SW8270D
4-Bromophenyl phenyl ether	ND	350		ug/Kg	1	04/24/19	WB	SW8270D
4-Chloro-3-methylphenol	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
4-Chloroaniline	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
4-Nitroaniline	ND	550		ug/Kg	1	04/24/19	WB	SW8270D
4-Nitrophenol	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
Acenaphthene	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
Acenaphthylene	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
Acetophenone	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
Aniline	ND	350		ug/Kg	1	04/24/19	WB	SW8270D
Anthracene	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
Benz(a)anthracene	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
Benzidine	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
Benzo(a)pyrene	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
Benzo(b)fluoranthene	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
Benzo(ghi)perylene	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
Benzo(k)fluoranthene	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
Benzoic acid	ND	690		ug/Kg	1	04/24/19	WB	SW8270D
Benzyl butyl phthalate	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	240		ug/Kg	1	04/24/19	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Bis(2-chloroethyl)ether	ND	350		ug/Kg	1	04/24/19	WB	SW8270D
Bis(2-chloroisopropyl)ether	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
Carbazole	ND	350		ug/Kg	1	04/24/19	WB	SW8270D
Chrysene	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
Dibenz(a,h)anthracene	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
Dibenzofuran	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
Diethyl phthalate	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
Dimethylphthalate	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
Di-n-butylphthalate	ND	350		ug/Kg	1	04/24/19	WB	SW8270D
Di-n-octylphthalate	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
Fluoranthene	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
Fluorene	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
Hexachlorobenzene	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
Hexachlorobutadiene	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
Hexachlorocyclopentadiene	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
Hexachloroethane	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
Isophorone	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
Naphthalene	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
Nitrobenzene	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
N-Nitrosodimethylamine	ND	350		ug/Kg	1	04/24/19	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
N-Nitrosodiphenylamine	ND	350		ug/Kg	1	04/24/19	WB	SW8270D
Pentachloronitrobenzene	ND	350		ug/Kg	1	04/24/19	WB	SW8270D
Pentachlorophenol	ND	350		ug/Kg	1	04/24/19	WB	SW8270D
Phenanthrene	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
Phenol	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
Pyrene	ND	240		ug/Kg	1	04/24/19	WB	SW8270D
Pyridine	ND	350		ug/Kg	1	04/24/19	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	71			%	1	04/24/19	WB	30 - 130 %
% 2-Fluorobiphenyl	61			%	1	04/24/19	WB	30 - 130 %
% 2-Fluorophenol	58			%	1	04/24/19	WB	30 - 130 %
% Nitrobenzene-d5	58			%	1	04/24/19	WB	30 - 130 %
% Phenol-d5	62			%	1	04/24/19	WB	30 - 130 %
% Terphenyl-d14	61			%	1	04/24/19	WB	30 - 130 %
<u>Additional Semi-Volatile Compounds</u>								
1,1-Biphenyl	ND	240	110	ug/Kg	1	04/24/19	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	1	04/24/19	WB	SW8270D
Atrazine	ND	140	69	ug/Kg	1	04/24/19	WB	SW8270D
Benzaldehyde	ND	240	100	ug/Kg	1	04/24/19	WB	SW8270D
Benzo(a)pyrene	ND	240	110	ug/Kg	1	04/24/19	WB	SW8270D
Caprolactam	ND	140	240	ug/Kg	1	04/24/19	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	71			%	1	04/24/19	WB	30 - 130 %
% 2-Fluorobiphenyl	61			%	1	04/24/19	WB	30 - 130 %
% 2-Fluorophenol	58			%	1	04/24/19	WB	30 - 130 %
% Nitrobenzene-d5	58			%	1	04/24/19	WB	30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Phenol-d5	62			%	1	04/24/19	WB	30 - 130 %
% Terphenyl-d14	61			%	1	04/24/19	WB	30 - 130 %

1 = This parameter is not certified by the primary accrediting authority (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 Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit¹

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

Comments:

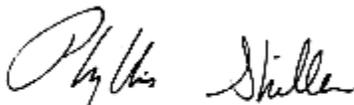
Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

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

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 you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

April 25, 2019

Official Report Release To Follow

Sample Criteria Exceedances Report

GCC99892 - TAYLORD

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
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*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance 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



Analysis Report

April 30, 2019

FOR: Attn: Mr. Scott Taylor
 Taylord Environment, Inc.
 PO BOX 613
 Wingdale, NY 12594

Sample Information

Matrix: SOIL
 Location Code: TAYLORD
 Rush Request: 24 Hour
 P.O.#:

Custody Information

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

Date: 04/29/19
 Time: 16:00

Laboratory Data

SDG ID: GCD03374
 Phoenix ID: CD03374

Project ID: ADVANCED SOIL 39 EDGEBORO RD.
 Client ID: SP-2 GRAB VOC 1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Volatiles							
1,1,1,2-Tetrachloroethane	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
1,1,1-Trichloroethane	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	3.6	ug/Kg	1	04/29/19	JLI	SW8260C
1,1,2-Trichloroethane	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
1,1-Dichloroethane	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
1,1-Dichloroethene	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
1,1-Dichloropropene	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
1,2,3-Trichloropropane	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
1,2-Dibromoethane	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
1,2-Dichlorobenzene	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
1,2-Dichloroethane	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
1,2-Dichloropropane	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
1,3-Dichlorobenzene	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
1,3-Dichloropropane	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
1,4-Dichlorobenzene	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
2,2-Dichloropropane	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
2-Chlorotoluene	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
2-Hexanone	ND	30	ug/Kg	1	04/29/19	JLI	SW8260C
2-Isopropyltoluene	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
4-Chlorotoluene	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
4-Methyl-2-pentanone	ND	30	ug/Kg	1	04/29/19	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	50	ug/Kg	1	04/29/19	JLI	SW8260C
Acrylonitrile	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
Benzene	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
Bromobenzene	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
Bromochloromethane	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
Bromodichloromethane	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
Bromoform	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
Bromomethane	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
Carbon Disulfide	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
Carbon tetrachloride	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
Chlorobenzene	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
Chloroethane	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
Chloroform	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
Chloromethane	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
cis-1,2-Dichloroethene	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
cis-1,3-Dichloropropene	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
Dibromochloromethane	ND	3.6	ug/Kg	1	04/29/19	JLI	SW8260C
Dibromomethane	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
Dichlorodifluoromethane	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
Ethylbenzene	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
Hexachlorobutadiene	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
Isopropylbenzene	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
m&p-Xylene	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
Methyl Ethyl Ketone	ND	36	ug/Kg	1	04/29/19	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	1	04/29/19	JLI	SW8260C
Methylene chloride	ND	12	ug/Kg	1	04/29/19	JLI	SW8260C
Naphthalene	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
n-Butylbenzene	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
n-Propylbenzene	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
o-Xylene	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
p-Isopropyltoluene	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
sec-Butylbenzene	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
Styrene	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
tert-Butylbenzene	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
Tetrachloroethene	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
Tetrahydrofuran (THF)	ND	12	ug/Kg	1	04/29/19	JLI	SW8260C
Toluene	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
Total Xylenes	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
trans-1,2-Dichloroethene	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
trans-1,3-Dichloropropene	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	1	04/29/19	JLI	SW8260C
Trichloroethene	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
Trichlorofluoromethane	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
Trichlorotrifluoroethane	ND	12	ug/Kg	1	04/29/19	JLI	SW8260C
Vinyl chloride	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99		%	1	04/29/19	JLI	70 - 130 %
% Bromofluorobenzene	95		%	1	04/29/19	JLI	70 - 130 %
% Dibromofluoromethane	95		%	1	04/29/19	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	99		%	1	04/29/19	JLI	70 - 130 %
<u>1,4-dioxane</u>							
1,4-dioxane	ND	89	ug/kg	1	04/29/19	JLI	SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	99		%	1	04/29/19	JLI	70 - 130 %
% Bromofluorobenzene	95		%	1	04/29/19	JLI	70 - 130 %
% Dibromofluoromethane	95		%	1	04/29/19	JLI	70 - 130 %
% Toluene-d8	99		%	1	04/29/19	JLI	70 - 130 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	24	ug/Kg	1	04/29/19	JLI	SW8260C
Acrolein	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
Acrylonitrile	ND	24	ug/Kg	1	04/29/19	JLI	SW8260C
Tert-butyl alcohol	ND	120	ug/Kg	1	04/29/19	JLI	SW8260C
Methylacetate	ND	6.0	ug/Kg	1	04/29/19	JLI	SW8260C
Field Extraction	Completed				04/29/19		SW5035A

1

1 = This parameter is not certified by the primary accrediting authority (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 Quantitation) ND=Not Detected at RL/PQL
 BRL=Below Reporting Level L=Biased Low

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

Comments:

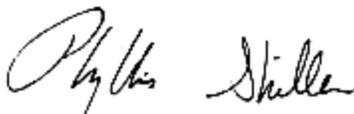
Results are reported on an ``as received`` basis, and are not corrected for dry weight.

Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

April 30, 2019

Official Report Release To Follow



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



Analysis Report

April 30, 2019

FOR: Attn: Mr. Scott Taylor
 Taylord Environment, Inc.
 PO BOX 613
 Wingdale, NY 12594

Sample Information

Matrix: SOIL
 Location Code: TAYLORD
 Rush Request: 24 Hour
 P.O.#:

Custody Information

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

Date

04/29/19
 04/29/19

Time

16:00

Laboratory Data

SDG ID: GCD03374
 Phoenix ID: CD03375

Project ID: ADVANCED SOIL 39 EDGEBORO RD.
 Client ID: SP-2 GRAB VOC 2

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	3.4	ug/Kg	1	04/29/19	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
1,1-Dichloroethane	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
1,1-Dichloroethene	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
1,1-Dichloropropene	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
1,2,3-Trichloropropane	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
1,2-Dibromoethane	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
1,2-Dichloroethane	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
1,2-Dichloropropane	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
1,3-Dichloropropane	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
2,2-Dichloropropane	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
2-Chlorotoluene	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
2-Hexanone	ND	28	ug/Kg	1	04/29/19	JLI	SW8260C
2-Isopropyltoluene	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
4-Chlorotoluene	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
4-Methyl-2-pentanone	ND	28	ug/Kg	1	04/29/19	JLI	SW8260C

Client ID: SP-2 GRAB VOC 2

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	50	ug/Kg	1	04/29/19	JLI	SW8260C
Acrylonitrile	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
Benzene	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
Bromobenzene	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
Bromochloromethane	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
Bromodichloromethane	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
Bromoform	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
Bromomethane	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
Carbon Disulfide	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
Carbon tetrachloride	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
Chlorobenzene	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
Chloroethane	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
Chloroform	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
Chloromethane	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
Dibromochloromethane	ND	3.4	ug/Kg	1	04/29/19	JLI	SW8260C
Dibromomethane	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
Dichlorodifluoromethane	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
Ethylbenzene	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
Hexachlorobutadiene	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
Isopropylbenzene	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
m&p-Xylene	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
Methyl Ethyl Ketone	ND	34	ug/Kg	1	04/29/19	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	1	04/29/19	JLI	SW8260C
Methylene chloride	ND	11	ug/Kg	1	04/29/19	JLI	SW8260C
Naphthalene	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
n-Butylbenzene	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
n-Propylbenzene	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
o-Xylene	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
p-Isopropyltoluene	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
sec-Butylbenzene	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
Styrene	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
tert-Butylbenzene	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
Tetrachloroethene	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
Tetrahydrofuran (THF)	ND	11	ug/Kg	1	04/29/19	JLI	SW8260C
Toluene	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
Total Xylenes	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	1	04/29/19	JLI	SW8260C
Trichloroethene	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
Trichlorofluoromethane	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
Trichlorotrifluoroethane	ND	11	ug/Kg	1	04/29/19	JLI	SW8260C
Vinyl chloride	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99		%	1	04/29/19	JLI	70 - 130 %
% Bromofluorobenzene	94		%	1	04/29/19	JLI	70 - 130 %
% Dibromofluoromethane	96		%	1	04/29/19	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	99		%	1	04/29/19	JLI	70 - 130 %
<u>1,4-dioxane</u>							
1,4-dioxane	ND	84	ug/kg	1	04/29/19	JLI	SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	99		%	1	04/29/19	JLI	70 - 130 %
% Bromofluorobenzene	94		%	1	04/29/19	JLI	70 - 130 %
% Dibromofluoromethane	96		%	1	04/29/19	JLI	70 - 130 %
% Toluene-d8	99		%	1	04/29/19	JLI	70 - 130 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	22	ug/Kg	1	04/29/19	JLI	SW8260C
Acrolein	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
Acrylonitrile	ND	22	ug/Kg	1	04/29/19	JLI	SW8260C
Tert-butyl alcohol	ND	110	ug/Kg	1	04/29/19	JLI	SW8260C
Methylacetate	ND	5.6	ug/Kg	1	04/29/19	JLI	SW8260C
Field Extraction	Completed				04/29/19		SW5035A

1

1 = This parameter is not certified by the primary accrediting authority (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 Quantitation) ND=Not Detected at RL/PQL
 BRL=Below Reporting Level L=Biased Low

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

Comments:

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

Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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Phyllis Shiller, Laboratory Director

April 30, 2019

Official Report Release To Follow



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



Analysis Report

April 30, 2019

FOR: Attn: Mr. Scott Taylor
 Taylord Environment, Inc.
 PO BOX 613
 Wingdale, NY 12594

Sample Information

Matrix: SOIL
 Location Code: TAYLORD
 Rush Request: 24 Hour
 P.O.#:

Custody Information

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

Date

04/29/19

Time

16:00

Laboratory Data

SDG ID: GCD03374
 Phoenix ID: CD03376

Project ID: ADVANCED SOIL 39 EDGEBORO RD.
 Client ID: SP-2 GRAB VOC 3

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	3.4	ug/Kg	1	04/30/19	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
1,1-Dichloroethane	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
1,1-Dichloroethene	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
1,1-Dichloropropene	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
1,2,3-Trichloropropane	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
1,2-Dibromoethane	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
1,2-Dichloroethane	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
1,2-Dichloropropane	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
1,3-Dichloropropane	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
2,2-Dichloropropane	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
2-Chlorotoluene	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
2-Hexanone	ND	29	ug/Kg	1	04/30/19	JLI	SW8260C
2-Isopropyltoluene	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
4-Chlorotoluene	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
4-Methyl-2-pentanone	ND	29	ug/Kg	1	04/30/19	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	50	ug/Kg	1	04/30/19	JLI	SW8260C
Acrylonitrile	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
Benzene	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
Bromobenzene	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
Bromochloromethane	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
Bromodichloromethane	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
Bromoform	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
Bromomethane	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
Carbon Disulfide	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
Carbon tetrachloride	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
Chlorobenzene	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
Chloroethane	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
Chloroform	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
Chloromethane	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
Dibromochloromethane	ND	3.4	ug/Kg	1	04/30/19	JLI	SW8260C
Dibromomethane	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
Dichlorodifluoromethane	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
Ethylbenzene	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
Hexachlorobutadiene	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
Isopropylbenzene	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
m&p-Xylene	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
Methyl Ethyl Ketone	ND	34	ug/Kg	1	04/30/19	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	1	04/30/19	JLI	SW8260C
Methylene chloride	ND	11	ug/Kg	1	04/30/19	JLI	SW8260C
Naphthalene	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
n-Butylbenzene	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
n-Propylbenzene	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
o-Xylene	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
p-Isopropyltoluene	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
sec-Butylbenzene	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
Styrene	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
tert-Butylbenzene	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
Tetrachloroethene	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
Tetrahydrofuran (THF)	ND	11	ug/Kg	1	04/30/19	JLI	SW8260C
Toluene	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
Total Xylenes	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	1	04/30/19	JLI	SW8260C
Trichloroethene	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
Trichlorofluoromethane	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
Trichlorotrifluoroethane	ND	11	ug/Kg	1	04/30/19	JLI	SW8260C
Vinyl chloride	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	98		%	1	04/30/19	JLI	70 - 130 %
% Bromofluorobenzene	93		%	1	04/30/19	JLI	70 - 130 %
% Dibromofluoromethane	96		%	1	04/30/19	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	98		%	1	04/30/19	JLI	70 - 130 %
<u>1,4-dioxane</u>							
1,4-dioxane	ND	86	ug/kg	1	04/30/19	JLI	SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	98		%	1	04/30/19	JLI	70 - 130 %
% Bromofluorobenzene	93		%	1	04/30/19	JLI	70 - 130 %
% Dibromofluoromethane	96		%	1	04/30/19	JLI	70 - 130 %
% Toluene-d8	98		%	1	04/30/19	JLI	70 - 130 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	23	ug/Kg	1	04/30/19	JLI	SW8260C
Acrolein	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
Acrylonitrile	ND	23	ug/Kg	1	04/30/19	JLI	SW8260C
Tert-butyl alcohol	ND	110	ug/Kg	1	04/30/19	JLI	SW8260C
Methylacetate	ND	5.7	ug/Kg	1	04/30/19	JLI	SW8260C
Field Extraction	Completed				04/29/19		SW5035A

1

1 = This parameter is not certified by the primary accrediting authority (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 Quantitation) ND=Not Detected at RL/PQL
 BRL=Below Reporting Level L=Biased Low

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

Comments:

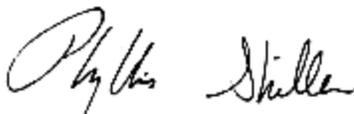
Results are reported on an ``as received`` basis, and are not corrected for dry weight.

Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

April 30, 2019

Official Report Release To Follow



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



Analysis Report

April 30, 2019

FOR: Attn: Mr. Scott Taylor
 Taylord Environment, Inc.
 PO BOX 613
 Wingdale, NY 12594

Sample Information

Matrix: SOIL
 Location Code: TAYLORD
 Rush Request: 24 Hour
 P.O.#:

Custody Information

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

Date

04/29/19

Time

16:00

Laboratory Data

SDG ID: GCD03374
 Phoenix ID: CD03377

Project ID: ADVANCED SOIL 39 EDGEBORO RD.
 Client ID: SP-2 GRAB VOC 4

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	3.5	ug/Kg	1	04/30/19	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
1,1-Dichloroethane	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
1,1-Dichloroethene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
1,1-Dichloropropene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
1,2,3-Trichloropropane	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
1,2-Dibromoethane	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
1,2-Dichloroethane	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
1,2-Dichloropropane	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
1,3-Dichloropropane	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
2,2-Dichloropropane	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
2-Chlorotoluene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
2-Hexanone	ND	29	ug/Kg	1	04/30/19	JLI	SW8260C
2-Isopropyltoluene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
4-Chlorotoluene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
4-Methyl-2-pentanone	ND	29	ug/Kg	1	04/30/19	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	50	ug/Kg	1	04/30/19	JLI	SW8260C
Acrylonitrile	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
Benzene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
Bromobenzene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
Bromochloromethane	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
Bromodichloromethane	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
Bromoform	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
Bromomethane	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
Carbon Disulfide	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
Carbon tetrachloride	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
Chlorobenzene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
Chloroethane	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
Chloroform	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
Chloromethane	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
Dibromochloromethane	ND	3.5	ug/Kg	1	04/30/19	JLI	SW8260C
Dibromomethane	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
Dichlorodifluoromethane	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
Ethylbenzene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
Hexachlorobutadiene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
Isopropylbenzene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
m&p-Xylene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
Methyl Ethyl Ketone	ND	35	ug/Kg	1	04/30/19	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	1	04/30/19	JLI	SW8260C
Methylene chloride	ND	12	ug/Kg	1	04/30/19	JLI	SW8260C
Naphthalene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
n-Butylbenzene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
n-Propylbenzene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
o-Xylene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
p-Isopropyltoluene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
sec-Butylbenzene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
Styrene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
tert-Butylbenzene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
Tetrachloroethene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
Tetrahydrofuran (THF)	ND	12	ug/Kg	1	04/30/19	JLI	SW8260C
Toluene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
Total Xylenes	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	1	04/30/19	JLI	SW8260C
Trichloroethene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
Trichlorofluoromethane	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
Trichlorotrifluoroethane	ND	12	ug/Kg	1	04/30/19	JLI	SW8260C
Vinyl chloride	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99		%	1	04/30/19	JLI	70 - 130 %
% Bromofluorobenzene	93		%	1	04/30/19	JLI	70 - 130 %
% Dibromofluoromethane	95		%	1	04/30/19	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	99		%	1	04/30/19	JLI	70 - 130 %
<u>1,4-dioxane</u>							
1,4-dioxane	ND	88	ug/kg	1	04/30/19	JLI	SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	99		%	1	04/30/19	JLI	70 - 130 %
% Bromofluorobenzene	93		%	1	04/30/19	JLI	70 - 130 %
% Dibromofluoromethane	95		%	1	04/30/19	JLI	70 - 130 %
% Toluene-d8	99		%	1	04/30/19	JLI	70 - 130 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	23	ug/Kg	1	04/30/19	JLI	SW8260C
Acrolein	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
Acrylonitrile	ND	23	ug/Kg	1	04/30/19	JLI	SW8260C
Tert-butyl alcohol	ND	120	ug/Kg	1	04/30/19	JLI	SW8260C
Methylacetate	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
Field Extraction	Completed				04/29/19		SW5035A

1

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

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

Comments:

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

Volatile Comment:

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Phyllis Shiller, Laboratory Director

April 30, 2019

Official Report Release To Follow



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



Analysis Report

April 30, 2019

FOR: Attn: Mr. Scott Taylor
 Taylord Environment, Inc.
 PO BOX 613
 Wingdale, NY 12594

Sample Information

Matrix: SOIL
 Location Code: TAYLORD
 Rush Request: 24 Hour
 P.O.#:

Custody Information

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

Date

04/29/19

Time

16:00

Laboratory Data

SDG ID: GCD03374
 Phoenix ID: CD03378

Project ID: ADVANCED SOIL 39 EDGEBORO RD.
 Client ID: SP-2 GRAB VOC 5

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	3.5	ug/Kg	1	04/30/19	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
1,1-Dichloroethane	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
1,1-Dichloroethene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
1,1-Dichloropropene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
1,2,3-Trichloropropane	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
1,2-Dibromoethane	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
1,2-Dichloroethane	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
1,2-Dichloropropane	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
1,3-Dichloropropane	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
2,2-Dichloropropane	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
2-Chlorotoluene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
2-Hexanone	ND	29	ug/Kg	1	04/30/19	JLI	SW8260C
2-Isopropyltoluene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
4-Chlorotoluene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
4-Methyl-2-pentanone	ND	29	ug/Kg	1	04/30/19	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	50	ug/Kg	1	04/30/19	JLI	SW8260C
Acrylonitrile	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
Benzene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
Bromobenzene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
Bromochloromethane	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
Bromodichloromethane	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
Bromoform	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
Bromomethane	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
Carbon Disulfide	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
Carbon tetrachloride	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
Chlorobenzene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
Chloroethane	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
Chloroform	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
Chloromethane	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
Dibromochloromethane	ND	3.5	ug/Kg	1	04/30/19	JLI	SW8260C
Dibromomethane	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
Dichlorodifluoromethane	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
Ethylbenzene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
Hexachlorobutadiene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
Isopropylbenzene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
m&p-Xylene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
Methyl Ethyl Ketone	ND	35	ug/Kg	1	04/30/19	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	1	04/30/19	JLI	SW8260C
Methylene chloride	ND	12	ug/Kg	1	04/30/19	JLI	SW8260C
Naphthalene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
n-Butylbenzene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
n-Propylbenzene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
o-Xylene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
p-Isopropyltoluene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
sec-Butylbenzene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
Styrene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
tert-Butylbenzene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
Tetrachloroethene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
Tetrahydrofuran (THF)	ND	12	ug/Kg	1	04/30/19	JLI	SW8260C
Toluene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
Total Xylenes	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	1	04/30/19	JLI	SW8260C
Trichloroethene	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
Trichlorofluoromethane	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
Trichlorotrifluoroethane	ND	12	ug/Kg	1	04/30/19	JLI	SW8260C
Vinyl chloride	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	98		%	1	04/30/19	JLI	70 - 130 %
% Bromofluorobenzene	92		%	1	04/30/19	JLI	70 - 130 %
% Dibromofluoromethane	96		%	1	04/30/19	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	98		%	1	04/30/19	JLI	70 - 130 %
<u>1,4-dioxane</u>							
1,4-dioxane	ND	88	ug/kg	1	04/30/19	JLI	SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	98		%	1	04/30/19	JLI	70 - 130 %
% Bromofluorobenzene	92		%	1	04/30/19	JLI	70 - 130 %
% Dibromofluoromethane	96		%	1	04/30/19	JLI	70 - 130 %
% Toluene-d8	98		%	1	04/30/19	JLI	70 - 130 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	23	ug/Kg	1	04/30/19	JLI	SW8260C
Acrolein	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
Acrylonitrile	ND	23	ug/Kg	1	04/30/19	JLI	SW8260C
Tert-butyl alcohol	ND	120	ug/Kg	1	04/30/19	JLI	SW8260C
Methylacetate	ND	5.9	ug/Kg	1	04/30/19	JLI	SW8260C
Field Extraction	Completed				04/29/19		SW5035A

1

1 = This parameter is not certified by the primary accrediting authority (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 Quantitation) ND=Not Detected at RL/PQL
 BRL=Below Reporting Level L=Biased Low

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

Comments:

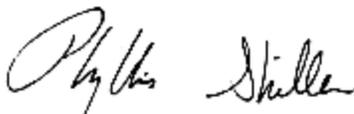
Results are reported on an ``as received`` basis, and are not corrected for dry weight.

Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

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

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

April 30, 2019

Official Report Release To Follow



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



Analysis Report

April 30, 2019

FOR: Attn: Mr. Scott Taylor
 Taylord Environment, Inc.
 PO BOX 613
 Wingdale, NY 12594

Sample Information

Matrix: SOIL
 Location Code: TAYLORD
 Rush Request: 24 Hour
 P.O.#:

Custody Information

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

Date

04/29/19

Time

16:00

Laboratory Data

SDG ID: GCD03374
 Phoenix ID: CD03379

Project ID: ADVANCED SOIL 39 EDGEBORO RD.
 Client ID: SP-2 GRAB VOC 6

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
1,1,1-Trichloroethane	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	4.9	ug/Kg	1	04/30/19	JLI	SW8260C
1,1,2-Trichloroethane	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
1,1-Dichloroethane	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
1,1-Dichloroethene	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
1,1-Dichloropropene	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
1,2,3-Trichloropropane	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
1,2-Dibromoethane	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
1,2-Dichlorobenzene	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
1,2-Dichloroethane	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
1,2-Dichloropropane	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
1,3-Dichlorobenzene	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
1,3-Dichloropropane	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
1,4-Dichlorobenzene	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
2,2-Dichloropropane	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
2-Chlorotoluene	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
2-Hexanone	ND	41	ug/Kg	1	04/30/19	JLI	SW8260C
2-Isopropyltoluene	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
4-Chlorotoluene	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
4-Methyl-2-pentanone	ND	41	ug/Kg	1	04/30/19	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	50	ug/Kg	1	04/30/19	JLI	SW8260C
Acrylonitrile	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
Benzene	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
Bromobenzene	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
Bromochloromethane	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
Bromodichloromethane	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
Bromoform	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
Bromomethane	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
Carbon Disulfide	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
Carbon tetrachloride	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
Chlorobenzene	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
Chloroethane	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
Chloroform	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
Chloromethane	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
cis-1,2-Dichloroethene	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
cis-1,3-Dichloropropene	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
Dibromochloromethane	ND	4.9	ug/Kg	1	04/30/19	JLI	SW8260C
Dibromomethane	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
Dichlorodifluoromethane	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
Ethylbenzene	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
Hexachlorobutadiene	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
Isopropylbenzene	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
m&p-Xylene	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
Methyl Ethyl Ketone	ND	49	ug/Kg	1	04/30/19	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	16	ug/Kg	1	04/30/19	JLI	SW8260C
Methylene chloride	ND	16	ug/Kg	1	04/30/19	JLI	SW8260C
Naphthalene	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
n-Butylbenzene	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
n-Propylbenzene	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
o-Xylene	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
p-Isopropyltoluene	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
sec-Butylbenzene	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
Styrene	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
tert-Butylbenzene	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
Tetrachloroethene	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
Tetrahydrofuran (THF)	ND	16	ug/Kg	1	04/30/19	JLI	SW8260C
Toluene	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
Total Xylenes	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
trans-1,2-Dichloroethene	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
trans-1,3-Dichloropropene	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	16	ug/Kg	1	04/30/19	JLI	SW8260C
Trichloroethene	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
Trichlorofluoromethane	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
Trichlorotrifluoroethane	ND	16	ug/Kg	1	04/30/19	JLI	SW8260C
Vinyl chloride	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99		%	1	04/30/19	JLI	70 - 130 %
% Bromofluorobenzene	94		%	1	04/30/19	JLI	70 - 130 %
% Dibromofluoromethane	95		%	1	04/30/19	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	99		%	1	04/30/19	JLI	70 - 130 %
<u>1,4-dioxane</u>							
1,4-dioxane	ND	100	ug/kg	1	04/30/19	JLI	SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	99		%	1	04/30/19	JLI	70 - 130 %
% Bromofluorobenzene	94		%	1	04/30/19	JLI	70 - 130 %
% Dibromofluoromethane	95		%	1	04/30/19	JLI	70 - 130 %
% Toluene-d8	99		%	1	04/30/19	JLI	70 - 130 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	33	ug/Kg	1	04/30/19	JLI	SW8260C
Acrolein	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
Acrylonitrile	ND	33	ug/Kg	1	04/30/19	JLI	SW8260C
Tert-butyl alcohol	ND	160	ug/Kg	1	04/30/19	JLI	SW8260C
Methylacetate	ND	8.2	ug/Kg	1	04/30/19	JLI	SW8260C
Field Extraction	Completed				04/29/19		SW5035A

1

1 = This parameter is not certified by the primary accrediting authority (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 Quantitation) ND=Not Detected at RL/PQL
 BRL=Below Reporting Level L=Biased Low

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

Comments:

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

Volatile Comment:

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Phyllis Shiller, Laboratory Director

April 30, 2019

Official Report Release To Follow



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



Analysis Report

April 30, 2019

FOR: Attn: Mr. Scott Taylor
 Taylord Environment, Inc.
 PO BOX 613
 Wingdale, NY 12594

Sample Information

Matrix: SOIL
 Location Code: TAYLORD
 Rush Request: 24 Hour
 P.O.#:

Custody Information

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

Date

04/29/19
 04/29/19

Time

16:00

Laboratory Data

SDG ID: GCD03374
 Phoenix ID: CD03380

Project ID: ADVANCED SOIL 39 EDGEBORO RD.
 Client ID: SP-2 GRAB VOC 7

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
1,1,1-Trichloroethane	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	3.5	ug/Kg	1	04/30/19	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
1,1-Dichloroethane	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
1,1-Dichloroethene	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
1,1-Dichloropropene	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
1,2,3-Trichloropropane	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
1,2-Dibromoethane	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
1,2-Dichloroethane	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
1,2-Dichloropropane	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
1,3-Dichloropropane	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
2,2-Dichloropropane	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
2-Chlorotoluene	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
2-Hexanone	ND	29	ug/Kg	1	04/30/19	JLI	SW8260C
2-Isopropyltoluene	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
4-Chlorotoluene	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
4-Methyl-2-pentanone	ND	29	ug/Kg	1	04/30/19	JLI	SW8260C

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Acetone	ND	50	ug/Kg	1	04/30/19	JLI	SW8260C
Acrylonitrile	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
Benzene	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
Bromobenzene	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
Bromochloromethane	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
Bromodichloromethane	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
Bromoform	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
Bromomethane	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
Carbon Disulfide	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
Carbon tetrachloride	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
Chlorobenzene	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
Chloroethane	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
Chloroform	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
Chloromethane	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
Dibromochloromethane	ND	3.5	ug/Kg	1	04/30/19	JLI	SW8260C
Dibromomethane	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
Dichlorodifluoromethane	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
Ethylbenzene	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
Hexachlorobutadiene	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
Isopropylbenzene	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
m&p-Xylene	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
Methyl Ethyl Ketone	ND	35	ug/Kg	1	04/30/19	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	1	04/30/19	JLI	SW8260C
Methylene chloride	ND	12	ug/Kg	1	04/30/19	JLI	SW8260C
Naphthalene	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
n-Butylbenzene	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
n-Propylbenzene	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
o-Xylene	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
p-Isopropyltoluene	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
sec-Butylbenzene	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
Styrene	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
tert-Butylbenzene	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
Tetrachloroethene	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
Tetrahydrofuran (THF)	ND	12	ug/Kg	1	04/30/19	JLI	SW8260C
Toluene	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
Total Xylenes	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	1	04/30/19	JLI	SW8260C
Trichloroethene	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
Trichlorofluoromethane	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
Trichlorotrifluoroethane	ND	12	ug/Kg	1	04/30/19	JLI	SW8260C
Vinyl chloride	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99		%	1	04/30/19	JLI	70 - 130 %
% Bromofluorobenzene	92		%	1	04/30/19	JLI	70 - 130 %
% Dibromofluoromethane	95		%	1	04/30/19	JLI	70 - 130 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	99		%	1	04/30/19	JLI	70 - 130 %
<u>1,4-dioxane</u>							
1,4-dioxane	ND	87	ug/kg	1	04/30/19	JLI	SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	99		%	1	04/30/19	JLI	70 - 130 %
% Bromofluorobenzene	92		%	1	04/30/19	JLI	70 - 130 %
% Dibromofluoromethane	95		%	1	04/30/19	JLI	70 - 130 %
% Toluene-d8	99		%	1	04/30/19	JLI	70 - 130 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	23	ug/Kg	1	04/30/19	JLI	SW8260C
Acrolein	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
Acrylonitrile	ND	23	ug/Kg	1	04/30/19	JLI	SW8260C
Tert-butyl alcohol	ND	120	ug/Kg	1	04/30/19	JLI	SW8260C
Methylacetate	ND	5.8	ug/Kg	1	04/30/19	JLI	SW8260C
Field Extraction	Completed				04/29/19		SW5035A

1

1 = This parameter is not certified by the primary accrediting authority (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 Quantitation) ND=Not Detected at RL/PQL
 BRL=Below Reporting Level L=Biased Low

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

Comments:

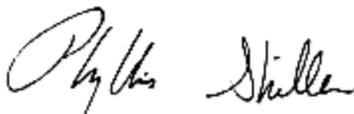
Results are reported on an ``as received`` basis, and are not corrected for dry weight.

Volatile Comment:

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Phyllis Shiller, Laboratory Director

April 30, 2019

Official Report Release To Follow



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 Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

April 30, 2019

FOR: Attn: Mr. Scott Taylor
 Taylord Environment, Inc.
 PO BOX 613
 Wingdale, NY 12594

Sample Information

Matrix: SOIL
 Location Code: TAYLORD
 Rush Request: 24 Hour
 P.O.#:

Custody Information

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

Date

04/29/19
 04/29/19

Time

16:00

Laboratory Data

SDG ID: GCD03374
 Phoenix ID: CD03381

Project ID: ADVANCED SOIL 39 EDGEBORO RD.
 Client ID: SP-2 COMP 1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.37	0.37		mg/Kg	1	04/30/19	EK	SW6010D
Arsenic	0.79	0.74		mg/Kg	1	04/30/19	EK	SW6010D
Barium	14.3	0.37		mg/Kg	1	04/30/19	EK	SW6010D
Beryllium	< 0.29	0.29		mg/Kg	1	04/30/19	EK	SW6010D
Cadmium	< 0.37	0.37		mg/Kg	1	04/30/19	EK	SW6010D
Chromium	4.18	0.37		mg/Kg	1	04/30/19	EK	SW6010D
Copper	2.6	0.7		mg/kg	1	04/30/19	EK	SW6010D
Mercury	< 0.03	0.03		mg/Kg	1	04/30/19	RS	SW7471B
Manganese	71.1	0.37		mg/Kg	1	04/30/19	EK	SW6010D
Nickel	2.08	0.37		mg/Kg	1	04/30/19	EK	SW6010D
Lead	3.05	0.37		mg/Kg	1	04/30/19	EK	SW6010D
Selenium	< 1.5	1.5		mg/Kg	1	04/30/19	EK	SW6010D
Trivalent Chromium	4.18	0.37		mg/kg	1	04/30/19		CALC 6010-7196
Zinc	8.2	0.7		mg/Kg	1	04/30/19	EK	SW6010D
Percent Solid	93			%		04/29/19	ML	SW846-%Solid
Chromium, Hex. (SW3060 digestion)	< 0.42	0.42		mg/Kg	1	04/30/19	KMH	SW7196A
pH at 25C - Soil	7.52	1.00		pH Units	1	04/29/19 20:07	AP	SW9045 1
Redox Potential	191			mV	1	04/29/19	AP	SM2580B-09 1
Total Cyanide (SW9010C Distill.)	< 0.54	0.54		mg/Kg	1	04/30/19	O/GD	SW9012B
Soil Extraction for PCB	Completed					04/29/19	MM/V	SW3545A
Soil Extraction for Pesticide	Completed					04/29/19	MM/V	SW3545A
Soil Extraction for SVOA	Completed					04/29/19	BB/LV	SW3545A
Mercury Digestion	Completed					04/30/19	I/I	SW7471B
Soil Extraction for Herbicide	Completed					04/29/19	C/D	SW8151A
Total Metals Digest	Completed					04/29/19	B/AG	SW3050B

Chlorinated Herbicides

2,4,5-T	ND	89		ug/Kg	10	04/30/19	CW	SW8151A
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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,5-TP (Silvex)	ND	89		ug/Kg	10	04/30/19	CW	SW8151A
2,4-D	ND	180		ug/Kg	10	04/30/19	CW	SW8151A
2,4-DB	ND	1800		ug/Kg	10	04/30/19	CW	SW8151A
Dalapon	ND	89		ug/Kg	10	04/30/19	CW	SW8151A
Dicamba	ND	89		ug/Kg	10	04/30/19	CW	SW8151A
Dichloroprop	ND	180		ug/Kg	10	04/30/19	CW	SW8151A
Dinoseb	ND	180		ug/Kg	10	04/30/19	CW	SW8151A
<u>QA/QC Surrogates</u>								
% DCAA	51			%	10	04/30/19	CW	30 - 150 %
% DCAA (Confirmation)	36			%	10	04/30/19	CW	30 - 150 %
<u>Polychlorinated Biphenyls</u>								
PCB-1016	ND	71		ug/Kg	2	04/30/19	SC	SW8082A
PCB-1221	ND	71		ug/Kg	2	04/30/19	SC	SW8082A
PCB-1232	ND	71		ug/Kg	2	04/30/19	SC	SW8082A
PCB-1242	ND	71		ug/Kg	2	04/30/19	SC	SW8082A
PCB-1248	ND	71		ug/Kg	2	04/30/19	SC	SW8082A
PCB-1254	ND	71		ug/Kg	2	04/30/19	SC	SW8082A
PCB-1260	ND	71		ug/Kg	2	04/30/19	SC	SW8082A
PCB-1262	ND	71		ug/Kg	2	04/30/19	SC	SW8082A
PCB-1268	ND	71		ug/Kg	2	04/30/19	SC	SW8082A
<u>QA/QC Surrogates</u>								
% DCBP	38			%	2	04/30/19	SC	30 - 150 %
% DCBP (Confirmation)	40			%	2	04/30/19	SC	30 - 150 %
% TCMX	41			%	2	04/30/19	SC	30 - 150 %
% TCMX (Confirmation)	40			%	2	04/30/19	SC	30 - 150 %
<u>Pesticides - Soil</u>								
4,4' -DDD	ND	2.1		ug/Kg	2	04/30/19	CW	SW8081B
4,4' -DDE	ND	2.1		ug/Kg	2	04/30/19	CW	SW8081B
4,4' -DDT	ND	2.1		ug/Kg	2	04/30/19	CW	SW8081B
a-BHC	ND	7.1		ug/Kg	2	04/30/19	CW	SW8081B
a-Chlordane	ND	3.5		ug/Kg	2	04/30/19	CW	SW8081B
Aldrin	ND	3.5		ug/Kg	2	04/30/19	CW	SW8081B
b-BHC	ND	7.1		ug/Kg	2	04/30/19	CW	SW8081B
Chlordane	ND	35		ug/Kg	2	04/30/19	CW	SW8081B
d-BHC	ND	7.1		ug/Kg	2	04/30/19	CW	SW8081B
Dieldrin	ND	3.5		ug/Kg	2	04/30/19	CW	SW8081B
Endosulfan I	ND	7.1		ug/Kg	2	04/30/19	CW	SW8081B
Endosulfan II	ND	7.1		ug/Kg	2	04/30/19	CW	SW8081B
Endosulfan sulfate	ND	7.1		ug/Kg	2	04/30/19	CW	SW8081B
Endrin	ND	7.1		ug/Kg	2	04/30/19	CW	SW8081B
Endrin aldehyde	ND	7.1		ug/Kg	2	04/30/19	CW	SW8081B
Endrin ketone	ND	7.1		ug/Kg	2	04/30/19	CW	SW8081B
g-BHC	ND	1.4		ug/Kg	2	04/30/19	CW	SW8081B
g-Chlordane	ND	3.5		ug/Kg	2	04/30/19	CW	SW8081B
Heptachlor	ND	7.1		ug/Kg	2	04/30/19	CW	SW8081B
Heptachlor epoxide	ND	7.1		ug/Kg	2	04/30/19	CW	SW8081B
Methoxychlor	ND	35		ug/Kg	2	04/30/19	CW	SW8081B
Toxaphene	ND	140		ug/Kg	2	04/30/19	CW	SW8081B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>QA/QC Surrogates</u>								
% DCBP	42			%	2	04/30/19	CW	30 - 150 %
% DCBP (Confirmation)	41			%	2	04/30/19	CW	30 - 150 %
% TCMX	35			%	2	04/30/19	CW	30 - 150 %
% TCMX (Confirmation)	37			%	2	04/30/19	CW	30 - 150 %
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
1,2,4-Trichlorobenzene	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
1,2-Dichlorobenzene	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
1,2-Diphenylhydrazine	ND	350		ug/Kg	1	04/30/19	KCA	SW8270D
1,3-Dichlorobenzene	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
1,4-Dichlorobenzene	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
2,4,5-Trichlorophenol	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
2,4,6-Trichlorophenol	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
2,4-Dichlorophenol	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
2,4-Dimethylphenol	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
2,4-Dinitrophenol	ND	350		ug/Kg	1	04/30/19	KCA	SW8270D
2,4-Dinitrotoluene	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
2,6-Dinitrotoluene	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
2-Chloronaphthalene	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
2-Chlorophenol	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
2-Methylnaphthalene	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
2-Methylphenol (o-cresol)	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
2-Nitroaniline	ND	350		ug/Kg	1	04/30/19	KCA	SW8270D
2-Nitrophenol	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	350		ug/Kg	1	04/30/19	KCA	SW8270D
3,3'-Dichlorobenzidine	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
3-Nitroaniline	ND	350		ug/Kg	1	04/30/19	KCA	SW8270D
4,6-Dinitro-2-methylphenol	ND	350		ug/Kg	1	04/30/19	KCA	SW8270D
4-Bromophenyl phenyl ether	ND	350		ug/Kg	1	04/30/19	KCA	SW8270D
4-Chloro-3-methylphenol	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
4-Chloroaniline	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
4-Chlorophenyl phenyl ether	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
4-Nitroaniline	ND	560		ug/Kg	1	04/30/19	KCA	SW8270D
4-Nitrophenol	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
Acenaphthene	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
Acenaphthylene	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
Acetophenone	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
Aniline	ND	350		ug/Kg	1	04/30/19	KCA	SW8270D
Anthracene	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
Benz(a)anthracene	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
Benzidine	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
Benzo(a)pyrene	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
Benzo(b)fluoranthene	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
Benzo(ghi)perylene	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
Benzo(k)fluoranthene	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
Benzoic acid	ND	700		ug/Kg	1	04/30/19	KCA	SW8270D
Benzyl butyl phthalate	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
Bis(2-chloroethoxy)methane	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Bis(2-chloroethyl)ether	ND	350		ug/Kg	1	04/30/19	KCA	SW8270D
Bis(2-chloroisopropyl)ether	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
Bis(2-ethylhexyl)phthalate	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
Carbazole	ND	350		ug/Kg	1	04/30/19	KCA	SW8270D
Chrysene	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
Dibenz(a,h)anthracene	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
Dibenzofuran	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
Diethyl phthalate	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
Dimethylphthalate	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
Di-n-butylphthalate	ND	350		ug/Kg	1	04/30/19	KCA	SW8270D
Di-n-octylphthalate	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
Fluoranthene	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
Fluorene	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
Hexachlorobenzene	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
Hexachlorobutadiene	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
Hexachlorocyclopentadiene	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
Hexachloroethane	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
Indeno(1,2,3-cd)pyrene	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
Isophorone	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
Naphthalene	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
Nitrobenzene	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
N-Nitrosodimethylamine	ND	350		ug/Kg	1	04/30/19	KCA	SW8270D
N-Nitrosodi-n-propylamine	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
N-Nitrosodiphenylamine	ND	350		ug/Kg	1	04/30/19	KCA	SW8270D
Pentachloronitrobenzene	ND	350		ug/Kg	1	04/30/19	KCA	SW8270D
Pentachlorophenol	ND	350		ug/Kg	1	04/30/19	KCA	SW8270D
Phenanthrene	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
Phenol	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
Pyrene	ND	250		ug/Kg	1	04/30/19	KCA	SW8270D
Pyridine	ND	350		ug/Kg	1	04/30/19	KCA	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	85			%	1	04/30/19	KCA	30 - 130 %
% 2-Fluorobiphenyl	68			%	1	04/30/19	KCA	30 - 130 %
% 2-Fluorophenol	61			%	1	04/30/19	KCA	30 - 130 %
% Nitrobenzene-d5	67			%	1	04/30/19	KCA	30 - 130 %
% Phenol-d5	71			%	1	04/30/19	KCA	30 - 130 %
% Terphenyl-d14	69			%	1	04/30/19	KCA	30 - 130 %
<u>Additional Semi-Volatile Compounds</u>								
1,1-Biphenyl	ND	250	110	ug/Kg	1	04/30/19	KCA	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	250	120	ug/Kg	1	04/30/19	KCA	SW8270D
Atrazine	ND	140	70	ug/Kg	1	04/30/19	KCA	SW8270D
Benzaldehyde	ND	250	100	ug/Kg	1	04/30/19	KCA	SW8270D
Benzo(a)pyrene	ND	250	110	ug/Kg	1	04/30/19	KCA	SW8270D
Caprolactam	ND	140	250	ug/Kg	1	04/30/19	KCA	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	85			%	1	04/30/19	KCA	30 - 130 %
% 2-Fluorobiphenyl	68			%	1	04/30/19	KCA	30 - 130 %
% 2-Fluorophenol	61			%	1	04/30/19	KCA	30 - 130 %
% Nitrobenzene-d5	67			%	1	04/30/19	KCA	30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Phenol-d5	71			%	1	04/30/19	KCA	30 - 130 %
% Terphenyl-d14	69			%	1	04/30/19	KCA	30 - 130 %

1 = This parameter is not certified by the primary accrediting authority (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 Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit¹

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

Comments:

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

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

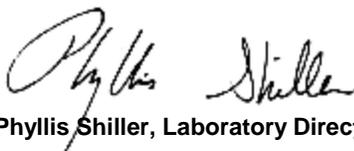
The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

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 you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

April 30, 2019

Official Report Release To Follow



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



Analysis Report

April 30, 2019

FOR: Attn: Mr. Scott Taylor
 Taylord Environment, Inc.
 PO BOX 613
 Wingdale, NY 12594

Sample Information

Matrix: SOIL
 Location Code: TAYLORD
 Rush Request: 24 Hour
 P.O.#:

Custody Information

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

Date

04/29/19

Time

16:00

Laboratory Data

SDG ID: GCD03374
 Phoenix ID: CD03382

Project ID: ADVANCED SOIL 39 EDGEBORO RD.
 Client ID: SP-2 COMP 2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.38	0.38		mg/Kg	1	04/30/19	EK	SW6010D
Arsenic	< 0.76	0.76		mg/Kg	1	04/30/19	EK	SW6010D
Barium	10.8	0.38		mg/Kg	1	04/30/19	EK	SW6010D
Beryllium	< 0.30	0.30		mg/Kg	1	04/30/19	EK	SW6010D
Cadmium	< 0.38	0.38		mg/Kg	1	04/30/19	EK	SW6010D
Chromium	4.53	0.38		mg/Kg	1	04/30/19	EK	SW6010D
Copper	2.0	0.8		mg/kg	1	04/30/19	EK	SW6010D
Mercury	< 0.03	0.03		mg/Kg	1	04/30/19	RS	SW7471B
Manganese	53.5	0.38		mg/Kg	1	04/30/19	EK	SW6010D
Nickel	1.94	0.38		mg/Kg	1	04/30/19	EK	SW6010D
Lead	2.75	0.38		mg/Kg	1	04/30/19	EK	SW6010D
Selenium	< 1.5	1.5		mg/Kg	1	04/30/19	EK	SW6010D
Trivalent Chromium	4.53	0.38		mg/kg	1	04/30/19		CALC 6010-7196
Zinc	7.2	0.8		mg/Kg	1	04/30/19	EK	SW6010D
Percent Solid	93			%		04/29/19	ML	SW846-%Solid
Chromium, Hex. (SW3060 digestion)	< 0.41	0.41		mg/Kg	1	04/30/19	KMH	SW7196A
pH at 25C - Soil	7.49	1.00		pH Units	1	04/29/19 20:07	AP	SW9045 1
Redox Potential	176			mV	1	04/29/19	AP	SM2580B-09 1
Total Cyanide (SW9010C Distill.)	< 0.54	0.54		mg/Kg	1	04/30/19	O/GD	SW9012B
Soil Extraction for PCB	Completed					04/29/19	MM/V	SW3545A
Soil Extraction for Pesticide	Completed					04/29/19	MM/V	SW3545A
Soil Extraction for SVOA	Completed					04/29/19	BB/LV	SW3545A
Mercury Digestion	Completed					04/30/19	I/I	SW7471B
Soil Extraction for Herbicide	Completed					04/29/19	C/D	SW8151A
Total Metals Digest	Completed					04/29/19	B/AG	SW3050B

Chlorinated Herbicides

2,4,5-T	ND	88		ug/Kg	10	04/30/19	CW	SW8151A
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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,4,5-TP (Silvex)	ND	88		ug/Kg	10	04/30/19	CW	SW8151A
2,4-D	ND	180		ug/Kg	10	04/30/19	CW	SW8151A
2,4-DB	ND	1800		ug/Kg	10	04/30/19	CW	SW8151A
Dalapon	ND	88		ug/Kg	10	04/30/19	CW	SW8151A
Dicamba	ND	88		ug/Kg	10	04/30/19	CW	SW8151A
Dichloroprop	ND	180		ug/Kg	10	04/30/19	CW	SW8151A
Dinoseb	ND	180		ug/Kg	10	04/30/19	CW	SW8151A
<u>QA/QC Surrogates</u>								
% DCAA	50			%	10	04/30/19	CW	30 - 150 %
% DCAA (Confirmation)	38			%	10	04/30/19	CW	30 - 150 %
<u>Polychlorinated Biphenyls</u>								
PCB-1016	ND	71		ug/Kg	2	04/30/19	SC	SW8082A
PCB-1221	ND	71		ug/Kg	2	04/30/19	SC	SW8082A
PCB-1232	ND	71		ug/Kg	2	04/30/19	SC	SW8082A
PCB-1242	ND	71		ug/Kg	2	04/30/19	SC	SW8082A
PCB-1248	ND	71		ug/Kg	2	04/30/19	SC	SW8082A
PCB-1254	ND	71		ug/Kg	2	04/30/19	SC	SW8082A
PCB-1260	ND	71		ug/Kg	2	04/30/19	SC	SW8082A
PCB-1262	ND	71		ug/Kg	2	04/30/19	SC	SW8082A
PCB-1268	ND	71		ug/Kg	2	04/30/19	SC	SW8082A
<u>QA/QC Surrogates</u>								
% DCBP	48			%	2	04/30/19	SC	30 - 150 %
% DCBP (Confirmation)	52			%	2	04/30/19	SC	30 - 150 %
% TCMX	55			%	2	04/30/19	SC	30 - 150 %
% TCMX (Confirmation)	54			%	2	04/30/19	SC	30 - 150 %
<u>Pesticides - Soil</u>								
4,4' -DDD	ND	2.1		ug/Kg	2	04/30/19	CW	SW8081B
4,4' -DDE	ND	2.1		ug/Kg	2	04/30/19	CW	SW8081B
4,4' -DDT	ND	2.1		ug/Kg	2	04/30/19	CW	SW8081B
a-BHC	ND	7.1		ug/Kg	2	04/30/19	CW	SW8081B
a-Chlordane	ND	3.5		ug/Kg	2	04/30/19	CW	SW8081B
Aldrin	ND	3.5		ug/Kg	2	04/30/19	CW	SW8081B
b-BHC	ND	7.1		ug/Kg	2	04/30/19	CW	SW8081B
Chlordane	ND	35		ug/Kg	2	04/30/19	CW	SW8081B
d-BHC	ND	7.1		ug/Kg	2	04/30/19	CW	SW8081B
Dieldrin	ND	3.5		ug/Kg	2	04/30/19	CW	SW8081B
Endosulfan I	ND	7.1		ug/Kg	2	04/30/19	CW	SW8081B
Endosulfan II	ND	7.1		ug/Kg	2	04/30/19	CW	SW8081B
Endosulfan sulfate	ND	7.1		ug/Kg	2	04/30/19	CW	SW8081B
Endrin	ND	7.1		ug/Kg	2	04/30/19	CW	SW8081B
Endrin aldehyde	ND	7.1		ug/Kg	2	04/30/19	CW	SW8081B
Endrin ketone	ND	7.1		ug/Kg	2	04/30/19	CW	SW8081B
g-BHC	ND	1.4		ug/Kg	2	04/30/19	CW	SW8081B
g-Chlordane	ND	3.5		ug/Kg	2	04/30/19	CW	SW8081B
Heptachlor	ND	7.1		ug/Kg	2	04/30/19	CW	SW8081B
Heptachlor epoxide	ND	7.1		ug/Kg	2	04/30/19	CW	SW8081B
Methoxychlor	ND	35		ug/Kg	2	04/30/19	CW	SW8081B
Toxaphene	ND	140		ug/Kg	2	04/30/19	CW	SW8081B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>QA/QC Surrogates</u>								
% DCBP	57			%	2	04/30/19	CW	30 - 150 %
% DCBP (Confirmation)	58			%	2	04/30/19	CW	30 - 150 %
% TCMX	48			%	2	04/30/19	CW	30 - 150 %
% TCMX (Confirmation)	50			%	2	04/30/19	CW	30 - 150 %
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
1,2,4-Trichlorobenzene	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
1,2-Dichlorobenzene	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
1,2-Diphenylhydrazine	ND	350		ug/Kg	1	04/30/19	KCA	SW8270D
1,3-Dichlorobenzene	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
1,4-Dichlorobenzene	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
2,4,5-Trichlorophenol	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
2,4,6-Trichlorophenol	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
2,4-Dichlorophenol	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
2,4-Dimethylphenol	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
2,4-Dinitrophenol	ND	350		ug/Kg	1	04/30/19	KCA	SW8270D
2,4-Dinitrotoluene	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
2,6-Dinitrotoluene	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
2-Chloronaphthalene	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
2-Chlorophenol	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
2-Methylnaphthalene	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
2-Methylphenol (o-cresol)	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
2-Nitroaniline	ND	350		ug/Kg	1	04/30/19	KCA	SW8270D
2-Nitrophenol	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	350		ug/Kg	1	04/30/19	KCA	SW8270D
3,3'-Dichlorobenzidine	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
3-Nitroaniline	ND	350		ug/Kg	1	04/30/19	KCA	SW8270D
4,6-Dinitro-2-methylphenol	ND	350		ug/Kg	1	04/30/19	KCA	SW8270D
4-Bromophenyl phenyl ether	ND	350		ug/Kg	1	04/30/19	KCA	SW8270D
4-Chloro-3-methylphenol	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
4-Chloroaniline	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
4-Chlorophenyl phenyl ether	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
4-Nitroaniline	ND	560		ug/Kg	1	04/30/19	KCA	SW8270D
4-Nitrophenol	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
Acenaphthene	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
Acenaphthylene	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
Acetophenone	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
Aniline	ND	350		ug/Kg	1	04/30/19	KCA	SW8270D
Anthracene	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
Benz(a)anthracene	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
Benzidine	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
Benzo(a)pyrene	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
Benzo(b)fluoranthene	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
Benzo(ghi)perylene	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
Benzo(k)fluoranthene	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
Benzoic acid	ND	700		ug/Kg	1	04/30/19	KCA	SW8270D
Benzyl butyl phthalate	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
Bis(2-chloroethoxy)methane	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Bis(2-chloroethyl)ether	ND	350		ug/Kg	1	04/30/19	KCA	SW8270D
Bis(2-chloroisopropyl)ether	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
Bis(2-ethylhexyl)phthalate	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
Carbazole	ND	350		ug/Kg	1	04/30/19	KCA	SW8270D
Chrysene	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
Dibenz(a,h)anthracene	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
Dibenzofuran	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
Diethyl phthalate	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
Dimethylphthalate	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
Di-n-butylphthalate	ND	350		ug/Kg	1	04/30/19	KCA	SW8270D
Di-n-octylphthalate	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
Fluoranthene	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
Fluorene	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
Hexachlorobenzene	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
Hexachlorobutadiene	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
Hexachlorocyclopentadiene	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
Hexachloroethane	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
Indeno(1,2,3-cd)pyrene	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
Isophorone	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
Naphthalene	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
Nitrobenzene	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
N-Nitrosodimethylamine	ND	350		ug/Kg	1	04/30/19	KCA	SW8270D
N-Nitrosodi-n-propylamine	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
N-Nitrosodiphenylamine	ND	350		ug/Kg	1	04/30/19	KCA	SW8270D
Pentachloronitrobenzene	ND	350		ug/Kg	1	04/30/19	KCA	SW8270D
Pentachlorophenol	ND	350		ug/Kg	1	04/30/19	KCA	SW8270D
Phenanthrene	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
Phenol	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
Pyrene	ND	240		ug/Kg	1	04/30/19	KCA	SW8270D
Pyridine	ND	350		ug/Kg	1	04/30/19	KCA	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	76			%	1	04/30/19	KCA	30 - 130 %
% 2-Fluorobiphenyl	57			%	1	04/30/19	KCA	30 - 130 %
% 2-Fluorophenol	49			%	1	04/30/19	KCA	30 - 130 %
% Nitrobenzene-d5	53			%	1	04/30/19	KCA	30 - 130 %
% Phenol-d5	59			%	1	04/30/19	KCA	30 - 130 %
% Terphenyl-d14	59			%	1	04/30/19	KCA	30 - 130 %
<u>Additional Semi-Volatile Compounds</u>								
1,1-Biphenyl	ND	240	110	ug/Kg	1	04/30/19	KCA	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	1	04/30/19	KCA	SW8270D
Atrazine	ND	140	70	ug/Kg	1	04/30/19	KCA	SW8270D
Benzaldehyde	ND	240	100	ug/Kg	1	04/30/19	KCA	SW8270D
Benzo(a)pyrene	ND	240	110	ug/Kg	1	04/30/19	KCA	SW8270D
Caprolactam	ND	140	240	ug/Kg	1	04/30/19	KCA	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	76			%	1	04/30/19	KCA	30 - 130 %
% 2-Fluorobiphenyl	57			%	1	04/30/19	KCA	30 - 130 %
% 2-Fluorophenol	49			%	1	04/30/19	KCA	30 - 130 %
% Nitrobenzene-d5	53			%	1	04/30/19	KCA	30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Phenol-d5	59			%	1	04/30/19	KCA	30 - 130 %
% Terphenyl-d14	59			%	1	04/30/19	KCA	30 - 130 %

1 = This parameter is not certified by the primary accrediting authority (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 Quantitation) ND=Not Detected at RL/PQL
BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit¹

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

Comments:

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

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

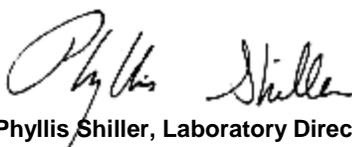
The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

This sample was not collected in accordance with EPA method 5035. NELAC requires the laboratory to qualify the volatile soil data as biased low.

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 you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

April 30, 2019

Official Report Release To Follow

Sample Criteria Exceedances Report

GCD03374 - TAYLORD

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
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*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance 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.



NY/NJ CHAIN OF CUSTODY RECORD

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

Customer: Taylor Environment, Inc.
Address: PO Box 613
 Wingdale, NY
 scott@taylordenvironment.com

Project: Advanced Soil 39 Edgeboro Road
 East Brunswick, NJ

Project P.O.:

This section MUST be completed with Bottle Quantities.

Coolant: Yes No
 IJK ICE
 Temp: Pg. 2 of 2

Contact Options:

Fax:
 Phone:
 Email: scott@taylordenvironment.com

Sampler's Signature	Client Sample - Information - Identification	Analysis Request	PHOENIX USE ONLY - SAMPLE #	Customer Sample Identification	Sample Matrix	Date	Time	Relinquished by:	Accepted by:	Comments, Special Requirements or Regulations:
			03374	SP-2 Grab VOC 1	S	4/29/19	14:15	[Signature]	[Signature]	
			03375	SP-2 Grab VOC 2	S		14:15	[Signature]	[Signature]	
			03376	SP-2 Grab VOC 3	S		14:15	[Signature]	[Signature]	
			03377	SP-2 Grab VOC 4	S		14:15	[Signature]	[Signature]	
			03378	SP-2 Grab VOC 5	S		14:15	[Signature]	[Signature]	
			03379	SP-2 Grab VOC 6	S		14:15	[Signature]	[Signature]	
			03380	SP-2 Grab VOC 7	S		14:15	[Signature]	[Signature]	
			03381	SP-2 Comp 1	S		14:15	[Signature]	[Signature]	
			03382	SP-2 Comp 2	S		14:15	[Signature]	[Signature]	

Relinquished by: [Signature] **Accepted by:** [Signature]

Date: 4/29/19 **Time:** 14:15

Container: 2 Day

Res. Criteria: Res. Criteria Non-Res. Criteria Impact to GW Soil Cleanup Criteria GW Criteria

NY 375 GWP: NY 375 GWP NY 375 Unrestricted Use Soil NY 375 Residential Restricted/Residential Commercial Industrial

Data Format: Phoenix Std Report Excel PDF GIS/Key EQUIS NJ Hazsite EDD NY EDD (ASP) Other

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

State where samples were collected: NJ

24 Hour TAT

Please Report Analytes on the Taylor Environment Watch List

Note: VOC SAMPLES ARE GRAB SAMPLES, COMPOSITE SAMPLES ARE FIVE POINT COMPOSITE SAMPLES

Attachment 2
Certification



State of New Jersey
Department of Labor and Workforce Development

Certificate No. 004592
Expiration Date 3/31/2020

MINE REGISTRATION CERTIFICATE

ISSUED TO: CLAYTON SAND COMPANY

LOCATION: ROUTE #571
(1143 TOMS RIVER ROAD)
JACKSON, NJ

BLK NO(S): SEE BELOW
LOT NO(S): SEE BELOW
COUNTY: OCEAN

Issued pursuant to the provisions of N.J.S.A. 34:6-98.1 et. seq. Failure to comply with the provisions of the Act, and the Rules promulgated thereunder, shall be good cause for the revocation of this Certificate.

Robert Asaro-Angelo

Commissioner

THIS CERTIFICATE MUST BE POSTED AT ALL TIMES

<u>BLK #</u>	<u>LOT #</u>
19001	11.02, 2
19101	1,3,6,7,4
23301	1, 2, 3



State of New Jersey
Department of Labor and Workforce Development

Certificate No. 004588
Expiration Date 3/31/2020

MINE REGISTRATION CERTIFICATE

ISSUED TO: ROSANO TRUCKING INC
LOCATION: SCHOOLHOUSE ROAD
WALL TWSP, NJ

BLK NO(S): 930
LOT NO(S): 1
COUNTY: MONMOUTH

Issued pursuant to the provisions of N.J.S.A. 34:6-98.1 et. seq. Failure to comply with the provisions of the Act, and the Rules promulgated thereunder, shall be good cause for the revocation of this Certificate.

Robert Asaro-Angelo

Commissioner

THIS CERTIFICATE MUST BE POSTED AT ALL TIMES



990 Cedar Bridge Ave.
Suite B7, Unit 175
Brick, NJ 08723
P: 732-840-1700
F: 732-840-6794

CLEAN FILL CERTIFICATION

SOURCE OWNER

Advanced Soil Technologies
990 Cedar Bridge Ave. Suite B7
Brick, NJ 08723

SOURCE LOCATION

R Sand:	C Sand:	Soil:	Compost:
State Route 33	Bowman Road	Commerce Drive	Edgeboro Rd
Tinton Falls, NJ 07753	Jackson, NJ 08527	Somerset, NJ 08873	East Brunswick, NJ 08816
County of Monmouth	County of Ocean	County of Somerset	County of Middlesex

RELATIONSHIP TO FILL

Manufacturer/Supplier/Hauler

SUMMARY/HISTORY of S1 BLEND

The "S1 Blend" is a blend of topsoil from Somerset, NJ, virgin R sand from a quarry in Tinton Falls, NJ, virgin C sand from a quarry in Jackson, NJ and organic leaf compost from the city of East Brunswick, NJ.

The virgin R sand is continuously transported from the quarry in Tinton Falls, NJ to 39 Edgeboro Road, East Brunswick, NJ and is kept in a stockpile which is used as an amendment for some of our engineered soil blends.

The virgin C sand is continuously transported from the quarry in Jackson, NJ to 39 Edgeboro Road, East Brunswick, NJ and is kept in a stockpile which is used as an amendment for some of our engineered soil blends.

The soil was stripped from a jobsite in Somerset NJ and transported to 39 Edgeboro Road, East Brunswick, NJ. Approximately 4,000 cubic yards were transported from January and February of 2017. It is kept in a stockpile separated from other imported materials. As of May 16, 2019, there are approximately 1,500 cubic yards stockpiled at 39 Edgeboro Rd., East Brunswick, NJ.

The organic compost originates from the township of East Brunswick. It is leaves that have picked up by the township, from the residents of East Brunswick and transported to the Middlesex County Utilities Authority's compost facility which is located on Edgeboro Rd. in East Brunswick, NJ. It is there that they place the leaves in windrows where they periodically turn the leaf until it breaks down into organic compost. Once it has broken down, the material is transported to 39 Edgeboro Road in East Brunswick, NJ where Advanced Soil Technologies utilizes it as an amendment to its engineered soils.

DECLARATION

I do hereby declare that to the best of my knowledge and belief that the S1 blend is free of any hazardous material.

ADVANCED SOIL TECHNOLOGIES

Name: Patrick Schlagenhaft

Title: Vice President

Date: 05/16//2019



990 Cedar Bridge Ave.
Suite B7, Unit 175
Brick, NJ 08723
P: 732-840-1700
F: 732-840-6794

CLEAN FILL CERTIFICATION

SOURCE OWNER

Advanced Soil Technologies
990 Cedar Bridge Ave. Suite B7
Brick, NJ 08723

SOURCE LOCATION

R Sand:

State Route 33
Tinton Falls, NJ 07753
County of Monmouth

C Sand:

Bowman Road
Jackson, NJ 08527
County of Ocean

Soil:

Commerce Drive
Somerset, NJ 08873
County of Somerset

RELATIONSHIP TO FILL

Manufacturer/Supplier/Hauler

SUMMARY/HISTORY of S2 BLEND

The "S2 Blend" is a blend of topsoil from Somerset, NJ, virgin R sand from a quarry in Tinton Falls, NJ, and virgin C sand from a quarry in Jackson, NJ.

The virgin R sand is continuously transported from the quarry in Tinton Falls, NJ to 39 Edgeboro Road, East Brunswick, NJ and is kept in a stockpile which is used as an amendment for some of our engineered soil blends.

The virgin C sand is continuously transported from the quarry in Jackson, NJ to 39 Edgeboro Road, East Brunswick, NJ and is kept in a stockpile which is used as an amendment for some of our engineered soil blends.

The soil was stripped from a jobsite in Somerset NJ and transported to 39 Edgeboro Road, East Brunswick, NJ. Approximately 4,000 cubic yards were transported from January and February of 2017. It is kept in a stockpile separated from other imported materials. As of May 16, 2019, there are approximately 1,500 cubic yards stockpiled at 39 Edgeboro Rd., East Brunswick, NJ.

DECLARATION

I do hereby declare that to the best of my knowledge and belief that the S2 blend is free of any hazardous material.

ADVANCED SOIL TECHNOLOGIES

Name: Patrick Schlegelhaft

Title: Vice President

Date: 05/16//2019



Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form



	Site Details	Box 1	
Site No.	C241087		
Site Name Queens West (Hunter's Point) Parcel 8			
Site Address: Center Blvd. and 47th Rd. and 48th Ave.		Zip Code: 11101	
City/Town: Long Island City			
County: Queens			
Site Acreage: 0.736			
Reporting Period: May 16, 2018 to May 16, 2019			
		YES	NO
1.	Is the information above correct?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	If NO, include handwritten above or on a separate sheet.		
2.	Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3.	Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4.	Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5.	Is the site currently undergoing development?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
		Box 2	
		YES	NO
6.	Is the current site use consistent with the use(s) listed below? Commercial and Industrial	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7.	Are all ICs/ECs in place and functioning as designed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.			
A Corrective Measures Work Plan must be submitted along with this form to address these issues.			
_____ Signature of Owner, Remedial Party or Designated Representative		_____ Date	

Box 2A

YES NO

8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid? YES NO

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

9. Are the assumptions in the Qualitative Exposure Assessment still valid? YES NO
(The Qualitative Exposure Assessment must be certified every five years)

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C241087

Box 3

Description of Institutional Controls

<u>Parcel</u>	<u>Owner</u>	<u>Institutional Control</u>
19-21	Queens West Development Corporation	Landuse Restriction Monitoring Plan O&M Plan Ground Water Use Restriction Soil Management Plan Site Management Plan IC/EC Plan

- (1) The Controlled Property may be used for Commercial as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv);
- (2) All Engineering Controls must be operated and maintained as specified in the Site Management Plan (SMP);
- (3) All Engineering Controls must be inspected at a frequency and in a manner defined in the SMP.
- (4) Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;
- (5) Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP;
- (6) All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;
- (7) Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;
- (8) Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP;
- (9) Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by this Environmental Easement.

Box 4

Description of Engineering Controls

<u>Parcel</u>	<u>Engineering Control</u>
19-21	Cover System Vapor Mitigation

The Engineering Controls for this Site include a composite cover over the entire site and a vapor barrier plus sub-slab depressurization system for any occupied structures to be built on the site.

Periodic Review Report (PRR) Certification Statements

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

a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

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

YES NO

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

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

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

(c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

(d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

(e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES NO

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. C241087

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Stephen Frank at 690 Delaware Ave, Buffalo, NY,
print name print business address

am certifying as Remedial Party (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.


Signature of Owner, Remedial Party, or Designated Representative
Rendering Certification

9/12/19
Date

IC/EC CERTIFICATIONS

Box 7

Professional Engineer Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Martin Wesolowski at 690 Delaware Ave, Buffalo, NY
print name print business address

am certifying as a Professional Engineer for the Remedial Party
(Owner or Remedial Party)


Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification



9/12/2019
Date

Stamp
(Required for PE)

Attachment 5
LiRo Engineers, Inc. - Quarterly Monitoring Report – Second Quarter 2018,
August 16, 2018

Included on Attached CD

Attachment 6

**LiRo Engineers, Inc. - Quarterly Monitoring Report – Third Quarter 2018,
November 29, 2018**

Included on Attached CD

Attachment 7

**LiRo Engineers, Inc. - Quarterly Monitoring Report – Fourth Quarter 2018,
January 24, 2019**

Included on Attached CD

Attachment 8
LiRo Engineers, Inc. - Quarterly Monitoring Report – First Quarter 2019,
May 7, 2019

Included on Attached CD

Appendix 1

Environmental Easement

New York State Department of Environmental Conservation

Office of General Counsel, 14th Floor

625 Broadway, Albany, New York 12233-1500

Fax: (518) 402-9018 or (518) 402-9019

Website: www.dec.ny.gov



Joe Martens
Commissioner

August 26, 2011

Clinton N. Daggan Esq.,
Kramer Levin Naftalis & Frankel LLP
1177 Avenue of the Americas
New York, New York 10036

Re: BCP Site No. C241087
Queens West (Hunter's Point) Parcel 8 Site

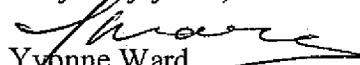
Dear Attorney Daggan,

Enclosed please find an originally-executed Environmental Easement covering the above – referenced property, which was accepted by the Department. Please have the easement and the enclosed TP 584 & 584.2 form recorded in the Office of the City Register of the City of New York, in the manner prescribed by New York State Property Law Article 9 and Environmental Conservation Law Article 71, Title 36. Once the Environmental Easement is recorded, the local municipality will need to be notified as well as the Notice to any parties identified as having an interest in the property, as set forth in Schedule "B" of the Title Commitment.

Please return a copy of the recorded easement marked by the City Register's Office with the date and location of recording, executed title affidavits, a certified copy of the municipal notice, copy of notice for any interested parties along with proof of service and recording on the same, and the final title insurance policy to my attention. The information from the recorded easement and recorded notices are necessary to process the Certificate of Completion. However, be advised that failure to receive the additional documents requested above within thirty days of the filing of the easement may result in revocation of Certificate of Completion.

If you have any questions, or if you need further assistance with this matter, do not hesitate to contact me.

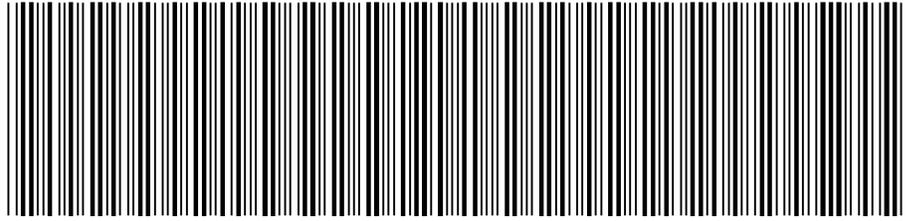
Very truly yours,


Yvonne Ward
Senior Attorney

Enclosure: Environmental Easement
TP 584.2 & TP 584

**NYC DEPARTMENT OF FINANCE
OFFICE OF THE CITY REGISTER**

This page is part of the instrument. The City Register will rely on the information provided by you on this page for purposes of indexing this instrument. The information on this page will control for indexing purposes in the event of any conflict with the rest of the document.



2011090700456001001EA17A

RECORDING AND ENDORSEMENT COVER PAGE

PAGE 1 OF 10

Document ID: 2011090700456001

Document Date: 08-25-2011

Preparation Date: 09-07-2011

Document Type: EASEMENT

Document Page Count: 9

PRESENTER:

CLINTON DAGGAN
KRAMER LEVIN NAFTALIS & FRANKEL LLP
1177 AVENUE OF THE AMERICAS
NEW YORK, NY 10036
212-715-9194
cdaggan@kramerlevin.com

RETURN TO:

CLINTON DAGGAN
KRAMER LEVIN NAFTALIS & FRANKEL LLP
1177 AVENUE OF THE AMERICAS
NEW YORK, NY 10036
212-715-9194
cdaggan@kramerlevin.com

PROPERTY DATA

Borough	Block	Lot	Unit	Address
QUEENS	19	21	Partial Lot	N/A 48TH AVENUE
Property Type: NON-RESIDENTIAL VACANT LAND Easement				

CROSS REFERENCE DATA

CRFN _____ or Document ID _____ or Year _____ Reel _____ Page _____ or File Number _____

PARTIES

GRANTOR/SELLER:

QUEENS WEST DEVELOPMENT CORPORATION
633 THIRD AVENUE, 37TH FLOOR
NEW YORK, NY 10017

GRANTEE/BUYER:

NYS DEPARTMENT OF ENVIRONMENTAL
CONSERVATION
625 BROADWAY
ALBANY, NY 12233

FEES AND TAXES

Mortgage				Filing Fee:	\$	0.00
Mortgage Amount:	\$	0.00			\$	0.00
Taxable Mortgage Amount:	\$	0.00		NYC Real Property Transfer Tax:	\$	0.00
Exemption:					\$	0.00
TAXES: County (Basic):	\$	0.00		NYS Real Estate Transfer Tax:	\$	0.00
City (Additional):	\$	0.00			\$	0.00
Spec (Additional):	\$	0.00				
TASF:	\$	0.00				
MTA:	\$	0.00				
NYCTA:	\$	0.00				
Additional MRT:	\$	0.00				
TOTAL:	\$	0.00				
Recording Fee:	\$	82.00				
Affidavit Fee:	\$	0.00				



**RECORDED OR FILED IN THE OFFICE
OF THE CITY REGISTER OF THE
CITY OF NEW YORK**

Recorded/Filed 09-14-2011 15:07
City Register File No.(CRFN):
2011000326218

Annette McMill

City Register Official Signature

**ENVIRONMENTAL EASEMENT GRANTED PURSUANT TO ARTICLE 71, TITLE 36
OF THE NEW YORK STATE ENVIRONMENTAL CONSERVATION LAW**

THIS INDENTURE made this 25th day of August, 2011, between Owner(s) Queens West Development Corporation, a public benefit corporation of the State of New York, having an office at 633 Third Avenue, 37th Floor, New York, New York 10017 (the "Grantor"), and The People of the State of New York (the "Grantee."), acting through their Commissioner of the Department of Environmental Conservation (the "Commissioner", or "NYSDEC" or "Department" as the context requires) with its headquarters located at 625 Broadway, Albany, New York 12233.

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to encourage the remediation of abandoned and likely contaminated properties ("sites") that threaten the health and vitality of the communities they burden while at the same time ensuring the protection of public health and the environment; and

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to establish within the Department a statutory environmental remediation program that includes the use of Environmental Easements as an enforceable means of ensuring the performance of operation, maintenance, and/or monitoring requirements and the restriction of future uses of the land, when an environmental remediation project leaves residual contamination at levels that have been determined to be safe for a specific use, but not all uses, or which includes engineered structures that must be maintained or protected against damage to perform properly and be effective, or which requires groundwater use or soil management restrictions; and

WHEREAS, the Legislature of the State of New York has declared that Environmental Easement shall mean an interest in real property, created under and subject to the provisions of Article 71, Title 36 of the New York State Environmental Conservation Law ("ECL") which contains a use restriction and/or a prohibition on the use of land in a manner inconsistent with engineering controls which are intended to ensure the long term effectiveness of a site remedial program or eliminate potential exposure pathways to hazardous waste or petroleum; and

WHEREAS, Grantor is the owner of real property located at the address of 4-56 47th Road in the Borough and County of Queens and State of New York, known and designated on the tax map of the Office of the City Register of the City of New York as tax map parcel numbers: Block 19 Lot 21 f/k/a Block 19 Lot 19, being the same as that property conveyed to Grantor by Letters Patent dated December 10, 1999 and recorded in the City Register of the City of New York in Reel 590 Page 1561. The property subject to this Environmental Easement (the "Controlled Property") comprises approximately 0.736 +/- acres, and is hereinafter more fully described in the Land Title Survey dated April 1, 2011 prepared by Montrose Surveying Co., LLP, City and Land Surveyors, which will be attached to the Site Management Plan. The Controlled Property description is set forth in and attached hereto as Schedule A; and

WHEREAS, the Department accepts this Environmental Easement in order to ensure the protection of public health and the environment and to achieve the requirements for remediation established for the Controlled Property until such time as this Environmental Easement is extinguished pursuant to ECL Article 71, Title 36; and

NOW THEREFORE, in consideration of the mutual covenants contained herein and the terms and conditions of BCA Index No Number: W2-1059-10-03, Grantor conveys to Grantee a permanent Environmental Easement pursuant to ECL Article 71, Title 36 in, on, over, under, and upon the Controlled Property as more fully described herein ("Environmental Easement")

1. Purposes. Grantor and Grantee acknowledge that the Purposes of this Environmental Easement are: to convey to Grantee real property rights and interests that will run with the land in perpetuity in order to provide an effective and enforceable means of encouraging the reuse and redevelopment of this Controlled Property at a level that has been determined to be safe for a specific use while ensuring the performance of operation, maintenance, and/or monitoring requirements; and to ensure the restriction of future uses of the land that are inconsistent with the above-stated purpose.

2. Institutional and Engineering Controls. The controls and requirements listed in the Department approved Site Management Plan ("SMP") including any and all Department approved amendments to the SMP are incorporated into and made part of this Environmental Easement. These controls and requirements apply to the use of the Controlled Property, run with the land, are binding on the Grantor and the Grantor's successors and assigns, and are enforceable in law or equity against any owner of the Controlled Property, any lessees and any person using the Controlled Property.

A. (1) The Controlled Property may be used for:

Commercial as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv)

(2) All Engineering Controls must be operated and maintained as specified in the Site Management Plan (SMP);

(3) All Engineering Controls must be inspected at a frequency and in a manner defined in the SMP.

(4) Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;

(5) Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP;

(6) All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

(7) Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP.

(8) Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP.

(9) Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by this Environmental Easement.

B. The Controlled Property shall not be used for Residential or Restricted Residential purposes as defined in 6NYCRR 375-1.8(g)(2)(i) and (ii), and the above-stated engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement.

C. The SMP describes obligations that the Grantor assumes on behalf of Grantor, its successors and assigns. The Grantor's assumption of the obligations contained in the SMP which may include sampling, monitoring, and/or operating a treatment system, and providing certified reports to the NYSDEC, is and remains a fundamental element of the Department's determination that the Controlled Property is safe for a specific use, but not all uses. The SMP may be modified in accordance with the Department's statutory and regulatory authority. The Grantor and all successors and assigns, assume the burden of complying with the SMP and obtaining an up-to-date version of the SMP from:

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, New York 12233
Phone: (518) 402-9553

D. Grantor must provide all persons who acquire any interest in the Controlled Property a true and complete copy of the SMP that the Department approves for the Controlled Property and all Department-approved amendments to that SMP.

E. Grantor covenants and agrees that until such time as the Environmental Easement is extinguished in accordance with the requirements of ECL Article 71, Title 36 of the ECL, the property deed and all subsequent instruments of conveyance relating to the Controlled Property shall state in at least fifteen-point bold-faced type:

This property is subject to an Environmental Easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the Environmental Conservation Law.

F. Grantor covenants and agrees that this Environmental Easement shall be incorporated in full or by reference in any leases, licenses, or other instruments granting a right to use the Controlled Property.

G. Grantor covenants and agrees that it shall annually, or such time as NYSDEC may allow, submit to NYSDEC a written statement by an expert the NYSDEC may find acceptable certifying under penalty of perjury, in such form and manner as the Department may require, that:

[6/11]

(1) the inspection of the site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under the direction of the individual set forth at 6 NYCRR Part 375-1.8(h)(3).

(2) the institutional controls and/or engineering controls employed at such site:

(i) are in-place;

(ii) are unchanged from the previous certification, or that any identified changes to the controls employed were approved by the NYSDEC and that all controls are in the Department-approved format; and

(iii) that nothing has occurred that would impair the ability of such control to protect the public health and environment;

(3) the owner will continue to allow access to such real property to evaluate the continued maintenance of such controls;

(4) nothing has occurred that would constitute a violation or failure to comply with any site management plan for such controls;

(5) the report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

(6) to the best of his/her knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and

(7) the information presented is accurate and complete.

3. Right to Enter and Inspect. Grantee, its agents, employees, or other representatives of the State may enter and inspect the Controlled Property in a reasonable manner and at reasonable times to assure compliance with the above-stated restrictions.

4. Reserved Grantor's Rights. Grantor reserves for itself, its assigns, representatives, and successors in interest with respect to the Property, all rights as fee owner of the Property, including:

A. Use of the Controlled Property for all purposes not inconsistent with, or limited by the terms of this Environmental Easement;

B. The right to give, sell, assign, or otherwise transfer part or all of the underlying fee interest to the Controlled Property, subject and subordinate to this Environmental Easement;

5. Enforcement

A. This Environmental Easement is enforceable in law or equity in perpetuity by Grantor, Grantee, or any affected local government, as defined in ECL Section 71-3603, against the owner of the Property, any lessees, and any person using the land. Enforcement shall not be defeated because of any subsequent adverse possession, laches, estoppel, or waiver. It is not a defense in any action to enforce this Environmental Easement that: it is not appurtenant to an interest in real property; it is not of a character that has been recognized traditionally at common law; it imposes a negative burden; it imposes affirmative obligations upon the owner of any interest in the burdened property; the benefit does not touch or concern real property; there is no privity of estate or of contract; or it imposes an unreasonable restraint on alienation.

B. If any person violates this Environmental Easement, the Grantee may revoke the

[6/11]

9. Extinguishment. This Environmental Easement may be extinguished only by a release by the Commissioner of the New York State Department of Environmental Conservation, or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

10. Joint Obligation. If there are two or more parties identified as Grantor herein, the obligations imposed by this instrument upon them shall be joint and several.

IN WITNESS WHEREOF, Grantor has caused this instrument to be signed in its name.

Grantor: Queens West Development Corporation

By: 

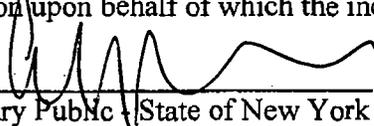
Print Name: Paul Januszewski

Title: President Date: 8/19/11

Grantor's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF NEW YORK)

On the 19TH day of AUGUST, in the year 20 11, before me, the undersigned, personally appeared PAUL JANUSZEWSKI, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(~~s~~) whose name is (~~are~~) subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ capacity(~~ies~~), and that by his/~~her/their~~ signature(~~s~~) on the instrument, the individual(~~s~~), or the person upon behalf of which the individual(~~s~~) acted, executed the instrument.

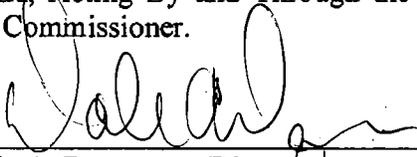

Notary Public - State of New York

SIMON WYNN
Notary Public, State of New York
No. 02WY4792002
Qualified in New York County
Commission Expires Aug. 31, 20 13



THIS ENVIRONMENTAL EASEMENT IS HEREBY ACCEPTED BY THE PEOPLE OF THE STATE OF NEW YORK, Acting By and Through the Department of Environmental Conservation as Designee of the Commissioner.

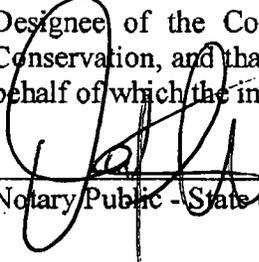
By:


Dale A. Desnoyers, Director
Division of Environmental Remediation

Grantee's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF ALBANY)

On the 25th day of August, in the year 2011, before me, the undersigned, personally appeared Dale A. Desnoyers, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/ executed the same in his/her/ capacity as Designee of the Commissioner of the State of New York Department of Environmental Conservation, and that by his/her/ signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.


Notary Public - State of New York

David J. Chiusano
Notary Public, State of New York
No. 01CH5032146
Qualified in Schenectady County
Commission Expires August 22, 2014

SEAL

SCHEDULE "A" PROPERTY DESCRIPTION

Address: 4-56 47th Road, Queens, NY
Tax Map: Tax Lot 9021 Block 17 Lot 21

ALL that certain lot, piece or parcel of land, situate, lying and being in the Borough and County of Queens, City and State of New York, bounded and described as follows:

BEGINNING at the corner formed by the intersection of the southerly side of 47th Road (formerly Seventh Street) with the westerly side of Center Boulevard, as said boulevard is shown on the City of New York, Borough of Queens, Office of the President Topographical Bureau Map No. 4876 showing a change in the street system, said point also being distant 458.60 feet westerly along the southerly side of said 47th Road from the corner formed by the intersection of the said southerly side of said 47th Road with the westerly side of 5th Street (formerly West Avenue);

THENCE along the westerly side of said Center Boulevard south 6 degrees, 26 minutes, 24.2 seconds west, 198.15 feet;

THENCE still along the westerly side of said Center Boulevard along the arc of a curve bearing to the right having a central angle of 0 degrees, 36 minutes, 12.5 seconds and a radius of 1550 feet, a distance of 16.33 feet;

THENCE south 75 degrees, 17 minutes, 05 seconds west, 121.64 feet to the easterly line of the Commerce Grant to Cyrus M. Warren, 4/30/1890; (Book 47 of Patents Page 43);

THENCE along said Commerce Grant north 14 degrees, 42 minutes, 55 seconds west 199.99 feet to the southerly side of the said 47th Road;

THENCE along the said southerly side of 47th Road north 75 degrees, 17 minutes, 05 seconds east, 199.12 feet to the point or place of BEGINNING.

The premises comprises of an area of 32,083 sq. ft. or 0.73652 acre.

Being a portion of that property described in letters patent made by the People of the State of New York dated 12-10-1999 and recorded on 10-04-2000 as Reel 5690 Page 1561.

SURVEY

