AEI Consultants

September 23, 2019

LIMITED PHASE II SUBSURFACE INVESTIGATION REPORT

Property Identification:
131 Pearl Street
Port Chester, New York 10573

AEI Project No. 411189

Prepared for:

Shorewood Properties, LLC
126 Manhattan Avenue
Hermosa Beach, California 90254

Prepared by:
AEI Consultants
30 Montgomery Street, Suite 220
Jersey City, New Jersey 07302

Environmental Due Diligence

Site Investigation & Remediation

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TABLE OF CONTENTS

AEI Consultants

September 23, 2019

Ryan Shore
Shorewood Properties, LLC
126 Manhattan Avenue
Hermosa Beach, California 90254

Subject: **Limited Phase II Subsurface Investigation**
131 Pearl Street
Port Chester, New York 10573
AEI Project No. 411189

AEI Consultants (AEI) is pleased to provide this report which describes the activities and results of the Limited Phase II Subsurface Investigation (Phase II) performed at the above-referenced property, hereinafter referred to as the "Site". This investigation was completed in general accordance with the authorized scope of services outlined in our proposal number 65906 dated August 16, 2019.

1.0 SITE DESCRIPTION

A Phase I Environmental Site Assessment (ESA) was performed by AEI as detailed in our draft report dated August 8, 2019 (AEI Project Number 408942). According to the Phase I ESA, the Site consists of 0.19 acres of land and is currently utilized by Service Unlimited Painters for administrative and storage activities associated with painting contractors.

2.0 BACKGROUND

The following Recognized Environmental Condition (REC) was identified by AEI as being associated with the Site:

- Based on a review of the historical sources, agency records, and prior reports, the Site was developed with the current commercial building in 1928 and utilized as a filling station/vulcanization facility from 1928 through at least 1950. Occupancy of the Site could not be determined between 1951 and 1968; however, it is assumed that during this time, the facility remained utilized as a filling station/vulcanization facility. The process of vulcanization is typically applied to rubbery or elastomeric materials (such as tires). The process is usually carried out by heating the rubber and mixing it with a vulcanizing agent in a mold under pressure. Sulfur is typically used as a vulcanizing agent. This method is applied to tire repairs, thus it is likely the former vulcanization facility identified at the Site was related to auto and tire repair activities. According to building records, the Site was expanded in 1940 for continued use as a service station with washing and lubrication activities also identified indicating auto repair operations. Based on this information, it is possible the Site was utilized for gas station and auto repair operations from 1928 through 1968. Site investigations relating to former Underground Storage Tanks (USTs) onsite were conducted; however, the Site has not been investigated for impacts that may have resulted from historic auto repair operations. As such, the historic use of the Site for vulcanization and auto repair operations represents a REC.

3.0 INVESTIGATION EFFORTS

Based on the above REC, further assessment was recommended to evaluate the potential impacts from the former auto repair and vulcanization operations.

3.1 Health and Safety Plan

A Site-specific health and safety plan was prepared and kept on-site for the duration of the fieldwork.

3.2 Permitting and Utility Clearance

Drilling permits were not required for this investigation. New York 811 was contacted to provide a mark out of public utilities servicing the Site. Delta Geophysics Inc. ("Delta") of Catasauqua, Pennsylvania provided geophysical services to investigate the presence, or absence, of any potential UST systems and to survey the areas of the potential boring locations to investigate potential underground hazards.

3.3 Geophysical Survey

On September 11, 2019, a geophysical survey was conducted by Delta. The purpose of the survey was to evaluate the presence of underground structures, including the suspected USTs, utilities, disturbed soils, and/or cavities, using ground penetrating radar (GPR) and other geophysical methods.

3.4 Drilling and Soil Sample Collection

On September 11, 2019, four (4) soil borings (SB-1 through SB-4) were advanced at the Site. The borings were advanced by Core Down Drilling LLC ("Core Down") of Brewster, New York using a direct push drill rig, Geoprobe®. The location and depth of each boring is listed below and also shown on Figure 1:

- Boring SB-1 was advanced in the southern portion of the Site, southwest of the onsite building in the area of former the gasoline USTs to a depth of 20 feet below grade surface (bgs).
- Boring SB-2 was advanced in the northwestern portion of the Site, west of the onsite building in the area of former gasoline USTs to a depth of 20 feet bgs.
- Boring SB-3 was advanced in the eastern portion of the Site, southeast of the onsite building to a depth of 6 feet bgs.
- Boring SB-4 was advanced in the northeastern portion of the Site, east of the onsite building to a depth of 6 feet bgs

The borings were advanced using 2.25-inch outer diameter Macro-Core® samplers (rods), and samples were collected continuously by advancing five-foot-long rods equipped with acetate sample liners. After each interval, the core was retrieved, core barrel disassembled, and the sample liner was removed and transferred to the onsite field scientist. The target depth of 30 feet below ground surface (bgs) could not be achieved at any of the four boring locations attempted due to bedrock refusal of the direct-push drilling equipment at depths ranging from 6 to 20 feet bgs.

The soil borings were logged using the Unified Soil Classification System. A photo-ionization detector (PID) was used to screen soil samples in the field and the PID readings for each sample were recorded on the boring logs (Appendix A). PID readings above background concentrations were recorded in soil borings SB-1 and SB-2 ranging from 2.7 parts per million volume (ppmv) to 1,121 ppmv. No staining was observed; however, a strong petroleum odor was detected in the 15-20 foot intervals of borings SB-1 and SB-2. No PID readings were recorded above background concentrations at boring locations SB-3 and SB-4. Soil samples were collected for laboratory analysis at the location of the highest PID reading (18.5-19.0 for SB-1 and 19.5-20.0 for SB-2) or terminus of each boring location if no PID readings were recorded. The samples were then transferred into laboratory supplied glassware and placed into a cooler containing ice.

3.5 Groundwater Sample Collection

While multiple attempts were made to collect groundwater, groundwater was not encountered during this investigation; therefore, no groundwater samples were collected.

3.6 Boring Abandonment

Following completion of sample collection and removal of tooling, the borings were backfilled with drill cuttings and hydrated bentonite chips and completed at the surface with concrete/asphalt patch to match surrounding conditions.

3.7 Laboratory Analyses

The soil samples were labeled, placed in a cooler with ice for preservation, packaged, and transferred under appropriate chain-of-custody documentation to Alpha Analytical Laboratories (Alpha) of Westborough, Massachusetts. Laboratory analytical documentation is provided in Appendix B. The samples were analyzed as follows:

- Four soil samples were analyzed for Target Compound List Volatile Organic Compounds (TCL- VOCs) and Polycyclic Aromatic Hydrocarbons (PAHs)
- Additional analysis for Resource Conservation and Recovery Act (RCRA) 8 metals was also collected and placed on hold pending initial laboratory analysis at all sampling locations.

3.8 Investigation Derived Wastes

No investigation derived waste was created during this investigation.

4.0 FINDINGS

For the purpose of providing context to the data obtained during this investigation, analytical results are compared to available regulatory screening levels. The New York State Department of Environmental Conservation (NYSDEC) has the responsibility for overseeing environmental cleanups which are managed under a variety of different regulatory programs. The results of this investigation were reviewed along with the New York Codes, Rules, and Regulations (NYCCR) Part 375 Residential, Commercial, and Unrestricted use Soil Cleanup Objectives (SCOs).

4.1 Geophysical Survey

The results of the geophysical survey identified several small irregularly shaped anomalies, none of which were consistent with that of a UST or associated piping**.** The anomalies were consistent

with fill material and related debris. Additionally, the survey cleared boring locations of underground utilities.

The Client should be aware of the inherent limitations of geophysical surveying methods and that above and underground utilities and other man-made or natural features (i.e. automobiles, debris piles, tree roots, reinforced concrete, certain soil conditions, etc.), if in the area of the survey, may decrease the effectiveness of the survey. The Client should be aware that the lack of a detection of a feature from a geophysical survey does not mean that the feature does not exist only that it was not detected.

4.2 Geology and Hydrogeology

Material encountered in each of the borings generally consisted of brown fine sands with cobbles and unconsolidated bedrock (Appendix A). Groundwater was not encountered during this investigation.

4.3 Soil Sample Analytical Results

The following information is a summary of the soil sample analytical test results (Appendix B). This information has also been included in Table 1**.**

- n-Propylbenzene was detected in SB-1 at 11 milligrams per kilogram (mg/kg) which exceeds the NYSDEC Unrestricted use SCO of 11 mg/kg, but is below the NYSDEC residential and commercial SCO's of 100 and 500 mg/kg, respectively.
- No additional VOCs or SVOCs were detected in the soil samples analyzed at concentrations greater than their respective, most-stringent NYSDEC SCOs.

5.0 SUMMARY AND CONCLUSIONS

AEI has completed a Limited Phase II Subsurface Investigation at the Site which included a geophysical survey and the collection of soil samples to evaluate the potential impacts to the Site related to the potential impacts from the former auto repair and vulcanization operations. A total of four (4) borings were advanced at the Site for the collection of soil samples.

While some irregularly shaped anomalies were identified, the results of the geophysical survey did not identify an anomalies consistent with that of an UST in any of the areas surveyed.

PID readings above background concentrations were recorded in soil borings SB-1 and SB-2 ranging from 2.7 ppmv to 1,121 ppmv. No staining was observed; however, a strong petroleum odor was detected in the 15-20 foot intervals of borings SB-1 and SB-2. No PID readings were recorded above background concentrations at boring locations SB-3 and SB-4.

n-Propylbenzene was detected in SB-1 at 11 mg/kg which exceeds the NYSDEC Unrestricted use SCO of 11 mg/kg, however it did not exceed the applicable residential or commercial NYSDEC SCOs. No additional VOCs or SVOCs were detected in the soil samples analyzed at concentrations greater than their respective, most-stringent NYSDEC SCOs. The lack of significant detections despite strong odors and elevated PID readings is likely due to the contaminants chemically degrading over time.

As such, AEI recommends no further investigation at this time. However, due to the strong odors of petroleum, elevated PID readings and expected redevelopment of the Site, AEI recommends that a Soil Management Plan be implemented to address any potentially contaminated soil that may be encountered during redevelopment.

6.0 REPORT LIMITATIONS AND RELIANCE

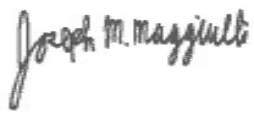
This report presents a summary of work completed by AEI Consultants. The completed work includes observations and descriptions of Site conditions encountered. Where appropriate, it includes analytical results for samples taken during the course of the work. The number and location of samples are chosen to provide the requested information, subject to scope of work for which AEI was retained and limitations inherent in this type of work, but it cannot be assumed that they are representative of areas not sampled. This report should not be regarded as a guarantee that no further contamination beyond that which could have been detected within the scope of this investigation is present beneath the Site. Undocumented, unauthorized releases of hazardous material, the remains of which are not readily identifiable by visual inspection and are of different chemical constituents, are difficult and often impossible to detect within the scope of a chemical specific investigation.

Any conclusions and/or recommendations are based on these analyses and observations, and the governing regulations. Conclusions beyond those stated and reported herein should not be inferred from this document. These services were performed in accordance with generally accepted practices, in the environmental engineering and construction field, which existed at the time and location of the work. No other warranty, either expressed or implied, has been made.

This investigation was prepared for the sole use and benefit of Shorewood Properties, LLC. All reports, both verbal and written, whether in draft or final, are for the benefit of Shorewood Properties, LLC. This report has no other purpose and may not be relied upon by any other person or entity without the written consent of AEI. Either verbally or in writing, third parties may come into possession of this report or all or part of the information generated as a result of this work. In the absence of a written agreement with AEI granting such rights, no third parties shall have rights of recourse or recovery whatsoever under any course of action against AEI, its officers, employees, vendors, successors or assigns. Reliance is provided in accordance with AEI's Proposal and Standard Terms & Conditions executed by Shorewood Properties, LLC. The limitation of liability defined in the Terms and Conditions is the aggregate limit of AEI's liability to the client and all relying parties.

If there are any questions regarding our investigation, please do not hesitate to contact AEI at (732) 414-2720.

Sincerely,
AEI Consultants



Joseph Maggiulli

Anthony Cauterucci, CHMM

Project Scientist

Senior Author

FIGURES

Legend
Approximate Soil Boring Location ⊗

N

Figure 1: Sample Location Map

131 Pearl Street, Port Chester, NY
Project Number: 411189

AEI Consultants

TABLES

Table 1: Soil Sample Analytical Results
131 Pearl Street, Port Chester, New York
AEI Project Number 411189

SAMPLE LOCATION					SB-1	SB-2	SB-3	SB-4
SAMPLING DATE					9/11/2019	9/11/2019	9/11/2019	9/11/2019
SAMPLE DEPTH (ft.)					18.5-19.0	19.5-20.0	5.5-6.0	4.5-5.0
	NY-RESC	NY-RESR	NY-UNRES	Units	Results	Results	Results	Results
Semivolatile Organics by GC/MS								
2-Chloronaphthalene				mg/kg	ND	ND	ND	ND
2-Methylnaphthalene				mg/kg	1.2	0.88	ND	ND
Acenaphthene	500	100	20	mg/kg	ND	ND	ND	ND
Acenaphthylene	500	100	100	mg/kg	ND	ND	ND	ND
Anthracene	500	100	100	mg/kg	ND	ND	ND	ND
Benzo(a)anthracene	5.6	1	1	mg/kg	ND	ND	ND	ND
Benzo(a)pyrene	1	1	1	mg/kg	ND	ND	ND	ND
Benzo(b)fluoranthene	5.6	1	1	mg/kg	ND	ND	ND	ND
Benzo(ghi)perylene	500	100	100	mg/kg	ND	ND	ND	ND
Benzo(k)fluoranthene	56	1	0.8	mg/kg	ND	ND	ND	ND
Chrysene	56	1	1	mg/kg	ND	ND	ND	ND
Dibenzo(a,h)anthracene	0.56	0.33	0.33	mg/kg	ND	ND	ND	ND
Fluoranthene	500	100	100	mg/kg	ND	ND	ND	ND
Fluorene	500	100	30	mg/kg	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	5.6	0.5	0.5	mg/kg	ND	ND	ND	ND
Naphthalene	500	100	12	mg/kg	0.08 (J)	0.041 (J)	ND	ND
Phenanthrene	500	100	100	mg/kg	ND	ND	ND	ND
Pyrene	500	100	100	mg/kg	ND	ND	ND	ND
Volatile Organics by EPA 5035								
1,1,1,2-Tetrachloroethane				mg/kg	ND	ND	ND	ND
1,1,1-Trichloroethane	500	100	0.68	mg/kg	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane				mg/kg	ND	ND	ND	ND
1,1,2-Trichloroethane				mg/kg	ND	ND	ND	ND
1,1-Dichloroethane	240	19	0.27	mg/kg	ND	ND	ND	ND
1,1-Dichloroethene	500	100	0.33	mg/kg	ND	ND	ND	ND
1,1-Dichloropropene				mg/kg	ND	ND	ND	ND
1,2,3-Trichlorobenzene				mg/kg	ND	ND	ND	ND
1,2,3-Trichloropropane				mg/kg	ND	ND	ND	ND
1,2,4,5-Tetramethylbenzene				mg/kg	7.6	0.84	ND	ND
1,2,4-Trichlorobenzene				mg/kg	ND	ND	ND	ND
1,2,4-Trimethylbenzene	190	47	3.6	mg/kg	ND	0.016 (J)	ND	ND
1,2-Dibromo-3-chloropropane				mg/kg	ND	ND	ND	ND
1,2-Dibromoethane				mg/kg	ND	ND	ND	ND
1,2-Dichlorobenzene	500	100	1.1	mg/kg	ND	ND	ND	ND
1,2-Dichloroethane	30	2.3	0.02	mg/kg	ND	ND	ND	ND
1,2-Dichloroethene, Total				mg/kg	ND	ND	ND	0.00014 (J)
1,2-Dichloropropane				mg/kg	ND	ND	ND	ND
1,3,5-Trimethylbenzene	190	47	8.4	mg/kg	ND	ND	ND	ND
1,3-Dichlorobenzene	280	17	2.4	mg/kg	ND	ND	ND	ND
1,3-Dichloropropane				mg/kg	ND	ND	ND	ND
1,3-Dichloropropene, Total				mg/kg	ND	ND	ND	ND
1,4-Dichlorobenzene	130	9.8	1.8	mg/kg	ND	ND	ND	ND
1,4-Dioxane	130	9.8	0.1	mg/kg	ND	ND	ND	ND
2,2-Dichloropropane				mg/kg	ND	ND	ND	ND
2-Butanone	500	100	0.12	mg/kg	ND	ND	ND	ND
2-Hexanone				mg/kg	ND	ND	ND	ND
4-Methyl-2-pentanone				mg/kg	ND	ND	ND	ND
Acetone	500	100	0.05	mg/kg	ND	ND	ND	0.023
Acrylonitrile				mg/kg	ND	ND	ND	ND
Benzene	44	2.9	0.06	mg/kg	ND	ND	ND	0.00037 (J)
Bromobenzene				mg/kg	ND	ND	ND	ND
Bromochloromethane				mg/kg	ND	ND	ND	ND
Bromodichloromethane				mg/kg	ND	ND	ND	ND
Bromoform				mg/kg	ND	ND	ND	ND
Bromomethane				mg/kg	ND	ND	ND	ND
Carbon disulfide				mg/kg	ND	ND	ND	ND
Carbon tetrachloride	22	1.4	0.76	mg/kg	ND	ND	ND	ND
Chlorobenzene	500	100	1.1	mg/kg	ND	ND	ND	ND
Chloroethane				mg/kg	ND	ND	ND	ND
Chloroform	350	10	0.37	mg/kg	ND	ND	ND	ND
Chloromethane				mg/kg	ND	ND	ND	ND
cis-1,2-Dichloroethene	500	59	0.25	mg/kg	ND	ND	ND	ND
cis-1,3-Dichloropropene				mg/kg	ND	ND	ND	ND
Dibromochloromethane				mg/kg	ND	ND	ND	ND
Dibromomethane				mg/kg	ND	ND	ND	ND
Dichlorodifluoromethane				mg/kg	ND	ND	ND	ND
Ethyl ether				mg/kg	ND	ND	ND	ND
Ethylbenzene	390	30	1	mg/kg	0.89	0.096	ND	ND
Hexachlorobutadiene				mg/kg	ND	ND	ND	ND
Isopropylbenzene				mg/kg	5.8	0.43	ND	ND
Methyl tert butyl ether	500	62	0.93	mg/kg	ND	ND	ND	ND
Methylene chloride	500	51	0.05	mg/kg	ND	ND	ND	ND
n-Butylbenzene	500	100	12	mg/kg	3.2	0.46	0.014 (J)	ND
n-Propylbenzene	500	100	3.9	mg/kg	**11**	1.9	ND	ND
Naphthalene	500	100	12	mg/kg	ND	0.1 (J)	ND	ND
o-Chlorotoluene				mg/kg	ND	ND	ND	ND
o-Xylene				mg/kg	ND	ND	ND	ND
p-Chlorotoluene				mg/kg	ND	ND	ND	ND
p-Diethylbenzene				mg/kg	2	0.29	ND	ND
p-Ethyltoluene				mg/kg	0.32 (J)	0.042 (J)	ND	ND
p-Isopropyltoluene				mg/kg	1	0.058	ND	ND
p/m-Xylene				mg/kg	ND	ND	ND	ND
sec-Butylbenzene	500	100	11	mg/kg	2.3	0.26	ND	ND
Styrene				mg/kg	ND	ND	ND	ND
tert-Butylbenzene	500	100	5.9	mg/kg	0.33 (J)	0.012 (J)	ND	ND
Tetrachloroethene	150	5.5	1.3	mg/kg	ND	ND	ND	ND
Toluene	500	100	0.7	mg/kg	ND	ND	ND	ND
trans-1,2-Dichloroethene	500	100	0.19	mg/kg	ND	ND	ND	0.00014 (J)
trans-1,3-Dichloropropene				mg/kg	ND	ND	ND	ND
trans-1,4-Dichloro-2-butene				mg/kg	ND	ND	ND	ND
Trichloroethene	200	10	0.47	mg/kg	ND	ND	ND	ND
Trichlorofluoromethane				mg/kg	ND	ND	ND	ND
Vinyl acetate				mg/kg	ND	ND	ND	ND
Vinyl chloride	13	0.21	0.02	mg/kg	ND	ND	ND	ND
Xylenes, Total	500	100	0.26	mg/kg	ND	ND	ND	ND

Key:
mg/kg: Milligrams per kilogram
ND: Non-Detect
J: Estimated value
NY-RESC: New York NYCRR Part 375 Commercial Criteria, New York Restricted use
NY-RESR: New York NYCRR Part 375 Residential Criteria, New York Restricted use
NY-UNRES: New York NYCRR Part 375 New York Unrestricted use Criteria

APPENDIX A

Boring Logs

AEI CONSULTANTS
2500 CAMINO DIABLE
WALNUT CREEK CA 94597
Telephone: 925 746-6000
Fax: 925 746-6099

BORING NUMBER SB-1

CLIENT Shorewood Properties, LLC
PROJECT NAME
PROJECT NUMBER 411189
PROJECT LOCATION 131 Pearl Street, Port Chester NY
DATE STARTED 9/11/19 **COMPLETED** 9/11/19
GROUND ELEVATION **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR Core Down Drilling
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY Joe Maggiulli **CHECKED BY**
AT END OF DRILLING ---
NOTES Groundwater not encountered
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0					Asphalt and sub base	
			0.0		1.0 Brown Fine SAND w/ cobbles dry - moist	
			0.0			
			0.0			
			0.0			
5			0.0		5.0 Brown Fine SAND w/ cobbles dry - moist	
			0.0			
			0.0			
			0.0			
			0.0			
			0.0			
10			0.0		10.0 Brown Fine SAND w/ cobbles dry - moist (odor)	
			0.0			
			0.0			
			2.7			
			52.1			
15			78.9		15.0 Brown Fine SAND w/ Mica and unconsolidated bedrock, dry - moist (strong odor)	
			127			
			892			
			1121			
	SB-1		845			
20					20.0	

Refusal at 20.0 feet.
Bottom of borehole at 20.0 feet.

AEI CONSULTANTS
2500 CAMINO DIABLE
WALNUT CREEK CA 94597
Telephone: 925 746-6000
Fax: 925 746-6099

BORING NUMBER SB-2

CLIENT Shorewood Properties, LLC
PROJECT NAME
PROJECT NUMBER 411189
PROJECT LOCATION 131 Pearl Street, Port Chester NY
DATE STARTED 9/11/19 **COMPLETED** 9/11/19
GROUND ELEVATION **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR Core Down Drilling
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY Joe Maggiulli **CHECKED BY**
AT END OF DRILLING ---
NOTES groundwater not encountered
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0					Asphalt and sub base	
			0.0		1.0 Brown Fine SAND w/ cobbles dry - moist	
			0.0			
			0.0			
			0.0			
5			0.0		5.0 Brown Fine SAND w/ cobbles dry - moist	
			0.0			
			0.0			
			0.0			
			0.0			
			0.0			
10			0.0		10.0 Brown Fine SAND w/ cobbles dry - moist	
			0.0			
			0.0			
			0.0			
			0.0			
15			0.0		15.0 Brown Fine SAND w/ Mica and unconsolidated bedrock, dry - moist (strong odor)	
			28.8			
			129.5			
			420.1			
			873.7			
			1048			
20	SB-2				20.0	

Refusal at 20.0 feet.
Bottom of borehole at 20.0 feet.

AEI CONSULTANTS
2500 CAMINO DIABLE
WALNUT CREEK CA 94597
Telephone: 925 746-6000
Fax: 925 746-6099

BORING NUMBER SB-3

CLIENT Shorewood Properties, LLC
PROJECT NAME
PROJECT NUMBER 411189
PROJECT LOCATION 131 Pearl Street, Port Chester NY
DATE STARTED 9/11/19 **COMPLETED** 9/11/19
GROUND ELEVATION **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR Core Down Drilling
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY Joe Maggiulli **CHECKED BY**
AT END OF DRILLING ---
NOTES groundwater not encountered
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0.0					asphalt	
			0.0		1.0 Brown Fine SAND w/ Mica and unconsolidated bedrock, dry - moist	
			0.0			
2.5			0.0			
			0.0			
5.0			0.0			
	SB-3				6.0	

Refusal at 6.0 feet.
Bottom of borehole at 6.0 feet.

AEI CONSULTANTS
2500 CAMINO DIABLE
WALNUT CREEK CA 94597
Telephone: 925 746-6000
Fax: 925 746-6099

BORING NUMBER SB-4

CLIENT Shorewood Properties, LLC
PROJECT NAME
PROJECT NUMBER 411189
PROJECT LOCATION 131 Pearl Street, Port Chester NY
DATE STARTED 9/11/19 **COMPLETED** 9/11/19
GROUND ELEVATION **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR Core Down Drilling
GROUND WATER LEVELS:
DRILLING METHOD Direct Push
AT TIME OF DRILLING ---
LOGGED BY Joe Maggiulli **CHECKED BY**
AT END OF DRILLING ---
NOTES groundwater not encountered
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0					Aspalt	
1			0.0		1.0 Brown Fine SAND w/ Mica and unconsolidated bedrock, dry - moist	
2			0.0			
3			0.0			
4			0.0			
5	SB-4				5.0	

Refusal at 5.0 feet.
Bottom of borehole at 5.0 feet.

APPENDIX B

LABORATORY ANALYTICAL REPORT

JOB: L1941587 REPORT STYLE: Data Usability Report
0010: Alpha Analytical Report Cover Page - OK
0015: Sample Cross Reference Summary - OK
0060: Case Narrative - OK
0100: Volatiles Cover Page - OK
0110: Volatiles Sample Results - OK
0120: Volatiles Method Blank Report - OK
0130: Volatiles LCS Report - OK
0180: Semivolatiles Cover Page - OK
0190: Semivolatiles Sample Results - OK
0200: Semivolatiles Method Blank Report - OK
0210: Semivolatiles LCS Report - OK
1180: Inorganics Cover Page - OK
1200: Wet Chemistry Sample Results - OK
1250: Wet Chemistry Duplicate Report - OK
5100: Sample Receipt & Container Information Report - OK
5200: Glossary - OK
5400: References - OK

ANALYTICAL REPORT

Lab Number:	L1941587
Client:	AEI Consultants 30 Montgomery Street Suite 220 Jersey City, NJ 07302
ATTN:	Joseph Maggiulli
Phone:	(201) 332-1844
Project Name:	PORT CHESTER, NY
Project Number:	411189
Report Date:	09/19/19

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Project Name: PORT CHESTER, NY
Project Number: 411189

Lab Number: L1941587
Report Date: 09/19/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1941587-01	SB-1	SOIL	131 PEARL STREET	09/11/19 10:00	09/11/19
L1941587-02	SB-2	SOIL	131 PEARL STREET	09/11/19 11:00	09/11/19
L1941587-03	SB-3	SOIL	131 PEARL STREET	09/11/19 12:00	09/11/19
L1941587-04	SB-4	SOIL	131 PEARL STREET	09/11/19 12:30	09/11/19

Project Name:	PORT CHESTER, NY	**Lab Number:**	L1941587
Project Number:	411189	**Report Date:**	09/19/19

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	PORT CHESTER, NY	**Lab Number:**	L1941587
Project Number:	411189	**Report Date:**	09/19/19

Case Narrative (continued)

Report Submission

September 19, 2019: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L1941587-01: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

L1941587-01: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (153%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

L1941587-03: The analysis of Volatile Organics by EPA Method 5035/8260 Low Level could not be performed due to the elevated concentrations of non-target compounds in the sample.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 09/19/19

ORGANICS

VOLATILES

Project Name: PORT CHESTER, NY
Project Number: 411189
Lab Number: L1941587
Report Date: 09/19/19

SAMPLE RESULTS

Lab ID: L1941587-01 D
Client ID: SB-1
Sample Location: 131 PEARL STREET

Date Collected: 09/11/19 10:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/18/19 01:24
Analyst: NLK
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	860	390	2.5
1,1-Dichloroethane	ND		ug/kg	170	25.	2.5
Chloroform	ND		ug/kg	260	24.	2.5
Carbon tetrachloride	ND		ug/kg	170	40.	2.5
1,2-Dichloropropane	ND		ug/kg	170	22.	2.5
Dibromochloromethane	ND		ug/kg	170	24.	2.5
1,1,2-Trichloroethane	ND		ug/kg	170	46.	2.5
Tetrachloroethene	ND		ug/kg	86	34.	2.5
Chlorobenzene	ND		ug/kg	86	22.	2.5
Trichlorofluoromethane	ND		ug/kg	690	120	2.5
1,2-Dichloroethane	ND		ug/kg	170	44.	2.5
1,1,1-Trichloroethane	ND		ug/kg	86	29.	2.5
Bromodichloromethane	ND		ug/kg	86	19.	2.5
trans-1,3-Dichloropropene	ND		ug/kg	170	47.	2.5
cis-1,3-Dichloropropene	ND		ug/kg	86	27.	2.5
1,3-Dichloropropene, Total	ND		ug/kg	86	27.	2.5
1,1-Dichloropropene	ND		ug/kg	86	27.	2.5
Bromoform	ND		ug/kg	690	42.	2.5
1,1,2,2-Tetrachloroethane	ND		ug/kg	86	28.	2.5
Benzene	ND		ug/kg	86	28.	2.5
Toluene	ND		ug/kg	170	94.	2.5
Ethylbenzene	890		ug/kg	170	24.	2.5
Chloromethane	ND		ug/kg	690	160	2.5
Bromomethane	ND		ug/kg	340	100	2.5
Vinyl chloride	ND		ug/kg	170	58.	2.5
Chloroethane	ND		ug/kg	340	78.	2.5
1,1-Dichloroethene	ND		ug/kg	170	41.	2.5
trans-1,2-Dichloroethene	ND		ug/kg	260	24.	2.5

Project Name: PORT CHESTER, NY
Project Number: 411189
Lab Number: L1941587
Report Date: 09/19/19

SAMPLE RESULTS

Lab ID: L1941587-01 D
Client ID: SB-1
Sample Location: 131 PEARL STREET
Date Collected: 09/11/19 10:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	86	24.	2.5
1,2-Dichlorobenzene	ND		ug/kg	340	25.	2.5
1,3-Dichlorobenzene	ND		ug/kg	340	25.	2.5
1,4-Dichlorobenzene	ND		ug/kg	340	29.	2.5
Methyl tert butyl ether	ND		ug/kg	340	35.	2.5
p/m-Xylene	ND		ug/kg	340	96.	2.5
o-Xylene	ND		ug/kg	170	50.	2.5
Xylenes, Total	ND		ug/kg	170	50.	2.5
cis-1,2-Dichloroethene	ND		ug/kg	170	30.	2.5
1,2-Dichloroethene, Total	ND		ug/kg	170	24.	2.5
Dibromomethane	ND		ug/kg	340	41.	2.5
Styrene	ND		ug/kg	170	34.	2.5
Dichlorodifluoromethane	ND		ug/kg	1700	160	2.5
Acetone	ND		ug/kg	1700	830	2.5
Carbon disulfide	ND		ug/kg	1700	780	2.5
2-Butanone	ND		ug/kg	1700	380	2.5
Vinyl acetate	ND		ug/kg	1700	370	2.5
4-Methyl-2-pentanone	ND		ug/kg	1700	220	2.5
1,2,3-Trichloropropane	ND		ug/kg	340	22.	2.5
2-Hexanone	ND		ug/kg	1700	200	2.5
Bromochloromethane	ND		ug/kg	340	35.	2.5
2,2-Dichloropropane	ND		ug/kg	340	35.	2.5
1,2-Dibromoethane	ND		ug/kg	170	48.	2.5
1,3-Dichloropropane	ND		ug/kg	340	29.	2.5
1,1,1,2-Tetrachloroethane	ND		ug/kg	86	23.	2.5
Bromobenzene	ND		ug/kg	340	25.	2.5
n-Butylbenzene	3200		ug/kg	170	29.	2.5
sec-Butylbenzene	2300		ug/kg	170	25.	2.5
tert-Butylbenzene	330	J	ug/kg	340	20.	2.5
o-Chlorotoluene	ND		ug/kg	340	33.	2.5
p-Chlorotoluene	ND		ug/kg	340	19.	2.5
1,2-Dibromo-3-chloropropane	ND		ug/kg	520	170	2.5
Hexachlorobutadiene	ND		ug/kg	690	29.	2.5
Isopropylbenzene	5800		ug/kg	170	19.	2.5
p-Isopropyltoluene	1000		ug/kg	170	19.	2.5
Naphthalene	ND		ug/kg	690	110	2.5
Acrylonitrile	ND		ug/kg	690	200	2.5

Project Name: PORT CHESTER, NY
Lab Number: L1941587
Project Number: 411189
Report Date: 09/19/19

SAMPLE RESULTS

Lab ID: L1941587-01 D
Client ID: SB-1
Sample Location: 131 PEARL STREET

Date Collected: 09/11/19 10:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	11000		ug/kg	170	29.	2.5
1,2,3-Trichlorobenzene	ND		ug/kg	340	55.	2.5
1,2,4-Trichlorobenzene	ND		ug/kg	340	47.	2.5
1,3,5-Trimethylbenzene	ND		ug/kg	340	33.	2.5
1,2,4-Trimethylbenzene	ND		ug/kg	340	58.	2.5
1,4-Dioxane	ND		ug/kg	14000	6000	2.5
p-Diethylbenzene	2000		ug/kg	340	30.	2.5
p-Ethyltoluene	320	J	ug/kg	340	66.	2.5
1,2,4,5-Tetramethylbenzene	7600		ug/kg	340	33.	2.5
Ethyl ether	ND		ug/kg	340	59.	2.5
trans-1,4-Dichloro-2-butene	ND		ug/kg	860	240	2.5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	118		70-130
4-Bromofluorobenzene	**153**	Q	70-130
Dibromofluoromethane	90		70-130

Project Name: PORT CHESTER, NY
Project Number: 411189
Lab Number: L1941587
Report Date: 09/19/19

SAMPLE RESULTS

Lab ID: L1941587-02
Client ID: SB-2
Sample Location: 131 PEARL STREET
Date Collected: 09/11/19 11:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/18/19 00:33
Analyst: NLK
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	250	110	1
1,1-Dichloroethane	ND		ug/kg	49	7.2	1
Chloroform	ND		ug/kg	74	6.9	1
Carbon tetrachloride	ND		ug/kg	49	11.	1
1,2-Dichloropropane	ND		ug/kg	49	6.2	1
Dibromochloromethane	ND		ug/kg	49	6.9	1
1,1,2-Trichloroethane	ND		ug/kg	49	13.	1
Tetrachloroethene	ND		ug/kg	25	9.7	1
Chlorobenzene	ND		ug/kg	25	6.3	1
Trichlorofluoromethane	ND		ug/kg	200	34.	1
1,2-Dichloroethane	ND		ug/kg	49	13.	1
1,1,1-Trichloroethane	ND		ug/kg	25	8.2	1
Bromodichloromethane	ND		ug/kg	25	5.4	1
trans-1,3-Dichloropropene	ND		ug/kg	49	13.	1
cis-1,3-Dichloropropene	ND		ug/kg	25	7.8	1
1,3-Dichloropropene, Total	ND		ug/kg	25	7.8	1
1,1-Dichloropropene	ND		ug/kg	25	7.8	1
Bromoform	ND		ug/kg	200	12.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.2	1
Benzene	ND		ug/kg	25	8.2	1
Toluene	ND		ug/kg	49	27.	1
Ethylbenzene	96		ug/kg	49	7.0	1
Chloromethane	ND		ug/kg	200	46.	1
Bromomethane	ND		ug/kg	99	29.	1
Vinyl chloride	ND		ug/kg	49	16.	1
Chloroethane	ND		ug/kg	99	22.	1
1,1-Dichloroethene	ND		ug/kg	49	12.	1
trans-1,2-Dichloroethene	ND		ug/kg	74	6.8	1

Project Name: PORT CHESTER, NY **Lab Number:** L1941587

Project Number: 411189 **Report Date:** 09/19/19

SAMPLE RESULTS

Lab ID: L1941587-02 Date Collected: 09/11/19 11:00

Client ID: SB-2 Date Received: 09/11/19

Sample Location: 131 PEARL STREET Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	25	6.8	1
1,2-Dichlorobenzene	ND		ug/kg	99	7.1	1
1,3-Dichlorobenzene	ND		ug/kg	99	7.3	1
1,4-Dichlorobenzene	ND		ug/kg	99	8.4	1
Methyl tert butyl ether	ND		ug/kg	99	9.9	1
p/m-Xylene	ND		ug/kg	99	28.	1
o-Xylene	ND		ug/kg	49	14.	1
Xylenes, Total	ND		ug/kg	49	14.	1
cis-1,2-Dichloroethene	ND		ug/kg	49	8.6	1
1,2-Dichloroethene, Total	ND		ug/kg	49	6.8	1
Dibromomethane	ND		ug/kg	99	12.	1
Styrene	ND		ug/kg	49	9.7	1
Dichlorodifluoromethane	ND		ug/kg	490	45.	1
Acetone	ND		ug/kg	490	240	1
Carbon disulfide	ND		ug/kg	490	220	1
2-Butanone	ND		ug/kg	490	110	1
Vinyl acetate	ND		ug/kg	490	110	1
4-Methyl-2-pentanone	ND		ug/kg	490	63.	1
1,2,3-Trichloropropane	ND		ug/kg	99	6.3	1
2-Hexanone	ND		ug/kg	490	58.	1
Bromochloromethane	ND		ug/kg	99	10.	1
2,2-Dichloropropane	ND		ug/kg	99	10.	1
1,2-Dibromoethane	ND		ug/kg	49	14.	1
1,3-Dichloropropane	ND		ug/kg	99	8.2	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.5	1
Bromobenzene	ND		ug/kg	99	7.2	1
n-Butylbenzene	460		ug/kg	49	8.2	1
sec-Butylbenzene	260		ug/kg	49	7.2	1
tert-Butylbenzene	12	J	ug/kg	99	5.8	1
o-Chlorotoluene	ND		ug/kg	99	9.4	1
p-Chlorotoluene	ND		ug/kg	99	5.3	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	49.	1
Hexachlorobutadiene	ND		ug/kg	200	8.3	1
Isopropylbenzene	430		ug/kg	49	5.4	1
p-Isopropyltoluene	58		ug/kg	49	5.4	1
Naphthalene	100	J	ug/kg	200	32.	1
Acrylonitrile	ND		ug/kg	200	57.	1

Project Name: PORT CHESTER, NY
Lab Number: L1941587
Project Number: 411189
Report Date: 09/19/19

SAMPLE RESULTS

Lab ID: L1941587-02
Client ID: SB-2
Sample Location: 131 PEARL STREET
Date Collected: 09/11/19 11:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	1900		ug/kg	49	8.4	1
1,2,3-Trichlorobenzene	ND		ug/kg	99	16.	1
1,2,4-Trichlorobenzene	ND		ug/kg	99	13.	1
1,3,5-Trimethylbenzene	ND		ug/kg	99	9.5	1
1,2,4-Trimethylbenzene	16	J	ug/kg	99	16.	1
1,4-Dioxane	ND		ug/kg	4000	1700	1
p-Diethylbenzene	290		ug/kg	99	8.7	1
p-Ethyltoluene	42	J	ug/kg	99	19.	1
1,2,4,5-Tetramethylbenzene	840		ug/kg	99	9.4	1
Ethyl ether	ND		ug/kg	99	17.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	70.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	94		70-130

Project Name: PORT CHESTER, NY
Project Number: 411189
Lab Number: L1941587
Report Date: 09/19/19

SAMPLE RESULTS

Lab ID: L1941587-03
Client ID: SB-3
Sample Location: 131 PEARL STREET
Date Collected: 09/11/19 12:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/18/19 00:58
Analyst: NLK
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	290	130	1
1,1-Dichloroethane	ND		ug/kg	58	8.4	1
Chloroform	ND		ug/kg	86	8.1	1
Carbon tetrachloride	ND		ug/kg	58	13.	1
1,2-Dichloropropane	ND		ug/kg	58	7.2	1
Dibromochloromethane	ND		ug/kg	58	8.1	1
1,1,2-Trichloroethane	ND		ug/kg	58	15.	1
Tetrachloroethene	ND		ug/kg	29	11.	1
Chlorobenzene	ND		ug/kg	29	7.3	1
Trichlorofluoromethane	ND		ug/kg	230	40.	1
1,2-Dichloroethane	ND		ug/kg	58	15.	1
1,1,1-Trichloroethane	ND		ug/kg	29	9.6	1
Bromodichloromethane	ND		ug/kg	29	6.3	1
trans-1,3-Dichloropropene	ND		ug/kg	58	16.	1
cis-1,3-Dichloropropene	ND		ug/kg	29	9.1	1
1,3-Dichloropropene, Total	ND		ug/kg	29	9.1	1
1,1-Dichloropropene	ND		ug/kg	29	9.2	1
Bromoform	ND		ug/kg	230	14.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	29	9.6	1
Benzene	ND		ug/kg	29	9.6	1
Toluene	ND		ug/kg	58	31.	1
Ethylbenzene	ND		ug/kg	58	8.1	1
Chloromethane	ND		ug/kg	230	54.	1
Bromomethane	ND		ug/kg	120	33.	1
Vinyl chloride	ND		ug/kg	58	19.	1
Chloroethane	ND		ug/kg	120	26.	1
1,1-Dichloroethene	ND		ug/kg	58	14.	1
trans-1,2-Dichloroethene	ND		ug/kg	86	7.9	1

Project Name: PORT CHESTER, NY
Project Number: 411189
Lab Number: L1941587
Report Date: 09/19/19

SAMPLE RESULTS

Lab ID: L1941587-03
Client ID: SB-3
Sample Location: 131 PEARL STREET
Date Collected: 09/11/19 12:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	29	7.9	1
1,2-Dichlorobenzene	ND		ug/kg	120	8.3	1
1,3-Dichlorobenzene	ND		ug/kg	120	8.5	1
1,4-Dichlorobenzene	ND		ug/kg	120	9.8	1
Methyl tert butyl ether	ND		ug/kg	120	12.	1
p/m-Xylene	ND		ug/kg	120	32.	1
o-Xylene	ND		ug/kg	58	17.	1
Xylenes, Total	ND		ug/kg	58	17.	1
cis-1,2-Dichloroethene	ND		ug/kg	58	10.	1
1,2-Dichloroethene, Total	ND		ug/kg	58	7.9	1
Dibromomethane	ND		ug/kg	120	14.	1
Styrene	ND		ug/kg	58	11.	1
Dichlorodifluoromethane	ND		ug/kg	580	53.	1
Acetone	ND		ug/kg	580	280	1
Carbon disulfide	ND		ug/kg	580	260	1
2-Butanone	ND		ug/kg	580	130	1
Vinyl acetate	ND		ug/kg	580	120	1
4-Methyl-2-pentanone	ND		ug/kg	580	74.	1
1,2,3-Trichloropropane	ND		ug/kg	120	7.3	1
2-Hexanone	ND		ug/kg	580	68.	1
Bromochloromethane	ND		ug/kg	120	12.	1
2,2-Dichloropropane	ND		ug/kg	120	12.	1
1,2-Dibromoethane	ND		ug/kg	58	16.	1
1,3-Dichloropropane	ND		ug/kg	120	9.6	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	29	7.6	1
Bromobenzene	ND		ug/kg	120	8.4	1
n-Butylbenzene	14	J	ug/kg	58	9.6	1
sec-Butylbenzene	ND		ug/kg	58	8.4	1
tert-Butylbenzene	ND		ug/kg	120	6.8	1
o-Chlorotoluene	ND		ug/kg	120	11.	1
p-Chlorotoluene	ND		ug/kg	120	6.2	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	170	57.	1
Hexachlorobutadiene	ND		ug/kg	230	9.7	1
Isopropylbenzene	ND		ug/kg	58	6.3	1
p-Isopropyltoluene	ND		ug/kg	58	6.3	1
Naphthalene	ND		ug/kg	230	37.	1
Acrylonitrile	ND		ug/kg	230	66.	1

Project Name: PORT CHESTER, NY
Project Number: 411189
Lab Number: L1941587
Report Date: 09/19/19

SAMPLE RESULTS

Lab ID: L1941587-03
Client ID: SB-3
Sample Location: 131 PEARL STREET
Date Collected: 09/11/19 12:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	58	9.8	1
1,2,3-Trichlorobenzene	ND		ug/kg	120	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	120	16.	1
1,3,5-Trimethylbenzene	ND		ug/kg	120	11.	1
1,2,4-Trimethylbenzene	ND		ug/kg	120	19.	1
1,4-Dioxane	ND		ug/kg	4600	2000	1
p-Diethylbenzene	ND		ug/kg	120	10.	1
p-Ethyltoluene	ND		ug/kg	120	22.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	120	11.	1
Ethyl ether	ND		ug/kg	120	20.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	290	82.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	93		70-130

Project Name: PORT CHESTER, NY
Project Number: 411189
Lab Number: L1941587
Report Date: 09/19/19

SAMPLE RESULTS

Lab ID: L1941587-04
Client ID: SB-4
Sample Location: 131 PEARL STREET
Date Collected: 09/11/19 12:30
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/17/19 23:16
Analyst: NLK
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.5	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.91	0.13	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.91	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.91	0.11	1
Dibromochloromethane	ND		ug/kg	0.91	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.91	0.24	1
Tetrachloroethene	ND		ug/kg	0.45	0.18	1
Chlorobenzene	ND		ug/kg	0.45	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.6	0.63	1
1,2-Dichloroethane	ND		ug/kg	0.91	0.23	1
1,1,1-Trichloroethane	ND		ug/kg	0.45	0.15	1
Bromodichloromethane	ND		ug/kg	0.45	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.91	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.45	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.45	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.45	0.14	1
Bromoform	ND		ug/kg	3.6	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.45	0.15	1
Benzene	0.37	J	ug/kg	0.45	0.15	1
Toluene	ND		ug/kg	0.91	0.49	1
Ethylbenzene	ND		ug/kg	0.91	0.13	1
Chloromethane	ND		ug/kg	3.6	0.84	1
Bromomethane	ND		ug/kg	1.8	0.53	1
Vinyl chloride	ND		ug/kg	0.91	0.30	1
Chloroethane	ND		ug/kg	1.8	0.41	1
1,1-Dichloroethene	ND		ug/kg	0.91	0.22	1
trans-1,2-Dichloroethene	0.14	J	ug/kg	1.4	0.12	1

Project Name: PORT CHESTER, NY
Project Number: 411189
Lab Number: L1941587
Report Date: 09/19/19

SAMPLE RESULTS

Lab ID: L1941587-04
Client ID: SB-4
Sample Location: 131 PEARL STREET
Date Collected: 09/11/19 12:30
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.45	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.51	1
o-Xylene	ND		ug/kg	0.91	0.26	1
Xylenes, Total	ND		ug/kg	0.91	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.91	0.16	1
1,2-Dichloroethene, Total	0.14	J	ug/kg	0.91	0.12	1
Dibromomethane	ND		ug/kg	1.8	0.22	1
Styrene	ND		ug/kg	0.91	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.1	0.83	1
Acetone	23		ug/kg	9.1	4.4	1
Carbon disulfide	ND		ug/kg	9.1	4.1	1
2-Butanone	ND		ug/kg	9.1	2.0	1
Vinyl acetate	ND		ug/kg	9.1	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	9.1	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.12	1
2-Hexanone	ND		ug/kg	9.1	1.1	1
Bromochloromethane	ND		ug/kg	1.8	0.18	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.91	0.25	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.45	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.91	0.15	1
sec-Butylbenzene	ND		ug/kg	0.91	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.11	1
o-Chlorotoluene	ND		ug/kg	1.8	0.17	1
p-Chlorotoluene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.7	0.90	1
Hexachlorobutadiene	ND		ug/kg	3.6	0.15	1
Isopropylbenzene	ND		ug/kg	0.91	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.91	0.10	1
Naphthalene	ND		ug/kg	3.6	0.59	1
Acrylonitrile	ND		ug/kg	3.6	1.0	1

Project Name: PORT CHESTER, NY
Project Number: 411189
Lab Number: L1941587
Report Date: 09/19/19

SAMPLE RESULTS

Lab ID: L1941587-04
Client ID: SB-4
Sample Location: 131 PEARL STREET
Date Collected: 09/11/19 12:30
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.91	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.29	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.30	1
1,4-Dioxane	ND		ug/kg	72	32.	1
p-Diethylbenzene	ND		ug/kg	1.8	0.16	1
p-Ethyltoluene	ND		ug/kg	1.8	0.35	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.8	0.17	1
Ethyl ether	ND		ug/kg	1.8	0.31	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.5	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	97		70-130

Project Name: PORT CHESTER, NY
Project Number: 411189
Lab Number: L1941587
Report Date: 09/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/17/19 16:55
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01-03 Batch: WG1285570-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: PORT CHESTER, NY
Project Number: 411189
Lab Number: L1941587
Report Date: 09/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/17/19 16:55
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01-03 Batch: WG1285570-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

Project Name: PORT CHESTER, NY
Project Number: 411189
Lab Number: L1941587
Report Date: 09/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/17/19 16:55
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01-03 Batch: WG1285570-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	4000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	94		70-130

Project Name: PORT CHESTER, NY
Project Number: 411189
Lab Number: L1941587
Report Date: 09/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/17/19 16:55
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04 Batch: WG1285572-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: PORT CHESTER, NY
Project Number: 411189
Lab Number: L1941587
Report Date: 09/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/17/19 16:55
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04 Batch: WG1285572-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: PORT CHESTER, NY
Project Number: 411189
Lab Number: L1941587
Report Date: 09/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/17/19 16:55
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04 Batch: WG1285572-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	94		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: PORT CHESTER, NY
Project Number: 411189

Lab Number: L1941587
Report Date: 09/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-03 Batch: WG1285570-3 WG1285570-4								
Methylene chloride	96		95		70-130	1		30
1,1-Dichloroethane	92		91		70-130	1		30
Chloroform	102		100		70-130	2		30
Carbon tetrachloride	94		92		70-130	2		30
1,2-Dichloropropane	98		97		70-130	1		30
Dibromochloromethane	95		93		70-130	2		30
1,1,2-Trichloroethane	94		91		70-130	3		30
Tetrachloroethene	100		98		70-130	2		30
Chlorobenzene	93		93		70-130	0		30
Trichlorofluoromethane	82		82		70-139	0		30
1,2-Dichloroethane	96		95		70-130	1		30
1,1,1-Trichloroethane	93		93		70-130	0		30
Bromodichloromethane	95		94		70-130	1		30
trans-1,3-Dichloropropene	93		92		70-130	1		30
cis-1,3-Dichloropropene	101		99		70-130	2		30
1,1-Dichloropropene	93		94		70-130	1		30
Bromoform	96		95		70-130	1		30
1,1,2,2-Tetrachloroethane	90		86		70-130	5		30
Benzene	97		95		70-130	2		30
Toluene	93		92		70-130	1		30
Ethylbenzene	94		94		70-130	0		30
Chloromethane	90		89		52-130	1		30
Bromomethane	87		87		57-147	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: PORT CHESTER, NY
Project Number: 411189

Lab Number: L1941587
Report Date: 09/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-03 Batch: WG1285570-3 WG1285570-4								
Vinyl chloride	81		78		67-130	4		30
Chloroethane	81		82		50-151	1		30
1,1-Dichloroethene	90		88		65-135	2		30
trans-1,2-Dichloroethene	95		95		70-130	0		30
Trichloroethene	96		94		70-130	2		30
1,2-Dichlorobenzene	95		95		70-130	0		30
1,3-Dichlorobenzene	96		95		70-130	1		30
1,4-Dichlorobenzene	99		99		70-130	0		30
Methyl tert butyl ether	93		90		66-130	3		30
p/m-Xylene	96		97		70-130	1		30
o-Xylene	96		96		70-130	0		30
cis-1,2-Dichloroethene	97		97		70-130	0		30
Dibromomethane	98		98		70-130	0		30
Styrene	101		100		70-130	1		30
Dichlorodifluoromethane	82		81		30-146	1		30
Acetone	96		88		54-140	9		30
Carbon disulfide	89		88		59-130	1		30
2-Butanone	77		75		70-130	3		30
Vinyl acetate	88		84		70-130	5		30
4-Methyl-2-pentanone	101		96		70-130	5		30
1,2,3-Trichloropropane	87		84		68-130	4		30
2-Hexanone	90		88		70-130	2		30
Bromochloromethane	102		100		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: PORT CHESTER, NY
Project Number: 411189

Lab Number: L1941587
Report Date: 09/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-03 Batch: WG1285570-3 WG1285570-4								
2,2-Dichloropropane	92		92		70-130	0		30
1,2-Dibromoethane	97		94		70-130	3		30
1,3-Dichloropropane	92		90		69-130	2		30
1,1,1,2-Tetrachloroethane	96		96		70-130	0		30
Bromobenzene	94		94		70-130	0		30
n-Butylbenzene	90		91		70-130	1		30
sec-Butylbenzene	90		90		70-130	0		30
tert-Butylbenzene	92		91		70-130	1		30
o-Chlorotoluene	99		93		70-130	6		30
p-Chlorotoluene	90		88		70-130	2		30
1,2-Dibromo-3-chloropropane	100		96		68-130	4		30
Hexachlorobutadiene	95		96		67-130	1		30
Isopropylbenzene	90		90		70-130	0		30
p-Isopropyltoluene	93		93		70-130	0		30
Naphthalene	97		92		70-130	5		30
Acrylonitrile	101		97		70-130	4		30
n-Propylbenzene	89		89		70-130	0		30
1,2,3-Trichlorobenzene	101		98		70-130	3		30
1,2,4-Trichlorobenzene	103		100		70-130	3		30
1,3,5-Trimethylbenzene	92		91		70-130	1		30
1,2,4-Trimethylbenzene	94		93		70-130	1		30
1,4-Dioxane	102		95		65-136	7		30
p-Diethylbenzene	96		95		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: PORT CHESTER, NY
Project Number: 411189

Lab Number: L1941587
Report Date: 09/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01-03 Batch: WG1285570-3 WG1285570-4								
p-Ethyltoluene	93		92		70-130	1		30
1,2,4,5-Tetramethylbenzene	96		95		70-130	1		30
Ethyl ether	89		88		67-130	1		30
trans-1,4-Dichloro-2-butene	85		82		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	88		87		70-130
Toluene-d8	95		95		70-130
4-Bromofluorobenzene	94		93		70-130
Dibromofluoromethane	99		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: PORT CHESTER, NY
Project Number: 411189

Lab Number: L1941587
Report Date: 09/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04 Batch: WG1285572-3 WG1285572-4								
Methylene chloride	96		95		70-130	1		30
1,1-Dichloroethane	92		91		70-130	1		30
Chloroform	102		100		70-130	2		30
Carbon tetrachloride	94		92		70-130	2		30
1,2-Dichloropropane	98		97		70-130	1		30
Dibromochloromethane	95		93		70-130	2		30
1,1,2-Trichloroethane	94		91		70-130	3		30
Tetrachloroethene	100		98		70-130	2		30
Chlorobenzene	93		93		70-130	0		30
Trichlorofluoromethane	82		82		70-139	0		30
1,2-Dichloroethane	96		95		70-130	1		30
1,1,1-Trichloroethane	93		93		70-130	0		30
Bromodichloromethane	95		94		70-130	1		30
trans-1,3-Dichloropropene	93		92		70-130	1		30
cis-1,3-Dichloropropene	101		99		70-130	2		30
1,1-Dichloropropene	93		94		70-130	1		30
Bromoform	96		95		70-130	1		30
1,1,2,2-Tetrachloroethane	90		86		70-130	5		30
Benzene	97		95		70-130	2		30
Toluene	93		92		70-130	1		30
Ethylbenzene	94		94		70-130	0		30
Chloromethane	90		89		52-130	1		30
Bromomethane	87		87		57-147	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: PORT CHESTER, NY
Project Number: 411189

Lab Number: L1941587
Report Date: 09/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04 Batch: WG1285572-3 WG1285572-4								
Vinyl chloride	81		78		67-130	4		30
Chloroethane	81		82		50-151	1		30
1,1-Dichloroethene	90		88		65-135	2		30
trans-1,2-Dichloroethene	95		95		70-130	0		30
Trichloroethene	96		94		70-130	2		30
1,2-Dichlorobenzene	95		95		70-130	0		30
1,3-Dichlorobenzene	96		95		70-130	1		30
1,4-Dichlorobenzene	99		99		70-130	0		30
Methyl tert butyl ether	93		90		66-130	3		30
p/m-Xylene	96		97		70-130	1		30
o-Xylene	96		96		70-130	0		30
cis-1,2-Dichloroethene	97		97		70-130	0		30
Dibromomethane	98		98		70-130	0		30
Styrene	101		100		70-130	1		30
Dichlorodifluoromethane	82		81		30-146	1		30
Acetone	96		88		54-140	9		30
Carbon disulfide	89		88		59-130	1		30
2-Butanone	77		75		70-130	3		30
Vinyl acetate	88		84		70-130	5		30
4-Methyl-2-pentanone	101		96		70-130	5		30
1,2,3-Trichloropropane	87		84		68-130	4		30
2-Hexanone	90		88		70-130	2		30
Bromochloromethane	102		100		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: PORT CHESTER, NY
Project Number: 411189

Lab Number: L1941587
Report Date: 09/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04 Batch: WG1285572-3 WG1285572-4								
2,2-Dichloropropane	92		92		70-130	0		30
1,2-Dibromoethane	97		94		70-130	3		30
1,3-Dichloropropane	92		90		69-130	2		30
1,1,1,2-Tetrachloroethane	96		96		70-130	0		30
Bromobenzene	94		94		70-130	0		30
n-Butylbenzene	90		91		70-130	1		30
sec-Butylbenzene	90		90		70-130	0		30
tert-Butylbenzene	92		91		70-130	1		30
o-Chlorotoluene	99		93		70-130	6		30
p-Chlorotoluene	90		88		70-130	2		30
1,2-Dibromo-3-chloropropane	100		96		68-130	4		30
Hexachlorobutadiene	95		96		67-130	1		30
Isopropylbenzene	90		90		70-130	0		30
p-Isopropyltoluene	93		93		70-130	0		30
Naphthalene	97		92		70-130	5		30
Acrylonitrile	101		97		70-130	4		30
n-Propylbenzene	89		89		70-130	0		30
1,2,3-Trichlorobenzene	101		98		70-130	3		30
1,2,4-Trichlorobenzene	103		100		70-130	3		30
1,3,5-Trimethylbenzene	92		91		70-130	1		30
1,2,4-Trimethylbenzene	94		93		70-130	1		30
1,4-Dioxane	102		95		65-136	7		30
p-Diethylbenzene	96		95		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: PORT CHESTER, NY
Project Number: 411189

Lab Number: L1941587
Report Date: 09/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04 Batch: WG1285572-3 WG1285572-4								
p-Ethyltoluene	93		92		70-130	1		30
1,2,4,5-Tetramethylbenzene	96		95		70-130	1		30
Ethyl ether	89		88		67-130	1		30
trans-1,4-Dichloro-2-butene	85		82		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	88		87		70-130
Toluene-d8	95		95		70-130
4-Bromofluorobenzene	94		93		70-130
Dibromofluoromethane	99		98		70-130

SEMIVOLATILES

Project Name: PORT CHESTER, NY
Project Number: 411189
Lab Number: L1941587
Report Date: 09/19/19

SAMPLE RESULTS

Lab ID: L1941587-01
Client ID: SB-1
Sample Location: 131 PEARL STREET

Date Collected: 09/11/19 10:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/19/19 02:12
Analyst: CB
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 20:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
Fluoranthene	ND		ug/kg	110	21.	1
Naphthalene	80	J	ug/kg	180	22.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	18.	1
2-Methylnaphthalene	1200		ug/kg	220	22.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	59		30-120
4-Terphenyl-d14	61		18-120

Project Name: PORT CHESTER, NY
Project Number: 411189
Lab Number: L1941587
Report Date: 09/19/19

SAMPLE RESULTS

Lab ID: L1941587-02
Client ID: SB-2
Sample Location: 131 PEARL STREET

Date Collected: 09/11/19 11:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/19/19 00:12
Analyst: CB
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 20:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
Fluoranthene	ND		ug/kg	100	20.	1
Naphthalene	41	J	ug/kg	180	21.	1
Benzo(a)anthracene	ND		ug/kg	100	20.	1
Benzo(a)pyrene	ND		ug/kg	140	43.	1
Benzo(b)fluoranthene	ND		ug/kg	100	30.	1
Benzo(k)fluoranthene	ND		ug/kg	100	28.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	100	34.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		ug/kg	100	18.	1
2-Methylnaphthalene	880		ug/kg	210	21.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	68		30-120
4-Terphenyl-d14	73		18-120

Project Name: PORT CHESTER, NY
Project Number: 411189
Lab Number: L1941587
Report Date: 09/19/19

SAMPLE RESULTS

Lab ID: L1941587-03
Client ID: SB-3
Sample Location: 131 PEARL STREET

Date Collected: 09/11/19 12:00
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/19/19 07:01
Analyst: CB
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 20:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
Fluoranthene	ND		ug/kg	110	22.	1
Naphthalene	ND		ug/kg	190	23.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	19.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	54		30-120
4-Terphenyl-d14	50		18-120

Project Name: PORT CHESTER, NY
Project Number: 411189
Lab Number: L1941587
Report Date: 09/19/19

SAMPLE RESULTS

Lab ID: L1941587-04
Client ID: SB-4
Sample Location: 131 PEARL STREET

Date Collected: 09/11/19 12:30
Date Received: 09/11/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/19/19 05:49
Analyst: CB
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/14/19 20:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
Fluoranthene	ND		ug/kg	110	21.	1
Naphthalene	ND		ug/kg	180	22.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		ug/kg	110	18.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	55		30-120
4-Terphenyl-d14	48		18-120

Project Name: PORT CHESTER, NY
Project Number: 411189
Lab Number: L1941587
Report Date: 09/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/18/19 00:00
Analyst: KR

Extraction Method: EPA 3546
Extraction Date: 09/14/19 20:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1284271-1					
Acenaphthene	ND		ug/kg	130	17.
2-Chloronaphthalene	ND		ug/kg	160	16.
Fluoranthene	ND		ug/kg	99	19.
Naphthalene	ND		ug/kg	160	20.
Benzo(a)anthracene	ND		ug/kg	99	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
2-Methylnaphthalene	ND		ug/kg	200	20.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	50		23-120
2-Fluorobiphenyl	57		30-120
2,4,6-Tribromophenol	71		10-136
4-Terphenyl-d14	60		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: PORT CHESTER, NY
Project Number: 411189

Lab Number: L1941587
Report Date: 09/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1284271-2 WG1284271-3								
Acenaphthene	71		76		31-137	7		50
2-Chloronaphthalene	75		82		40-140	9		50
Fluoranthene	78		81		40-140	4		50
Naphthalene	73		78		40-140	7		50
Benzo(a)anthracene	75		79		40-140	5		50
Benzo(a)pyrene	73		78		40-140	7		50
Benzo(b)fluoranthene	76		80		40-140	5		50
Benzo(k)fluoranthene	76		83		40-140	9		50
Chrysene	75		79		40-140	5		50
Acenaphthylene	77		83		40-140	8		50
Anthracene	76		81		40-140	6		50
Benzo(ghi)perylene	78		82		40-140	5		50
Fluorene	76		82		40-140	8		50
Phenanthrene	76		80		40-140	5		50
Dibenzo(a,h)anthracene	78		81		40-140	4		50
Indeno(1,2,3-cd)pyrene	78		82		40-140	5		50
Pyrene	76		81		35-142	6		50
2-Methylnaphthalene	74		80		40-140	8		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: PORT CHESTER, NY
Project Number: 411189

Lab Number: L1941587
Report Date: 09/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1284271-2 WG1284271-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	75		82		25-120
Phenol-d6	72		77		10-120
Nitrobenzene-d5	53		59		23-120
2-Fluorobiphenyl	61		66		30-120
2,4,6-Tribromophenol	81		86		10-136
4-Terphenyl-d14	66		69		18-120

INORGANICS
&
MISCELLANEOUS

Project Name: PORT CHESTER, NY
Project Number: 411189

Lab Number: L1941587
Report Date: 09/19/19

SAMPLE RESULTS

Lab ID: L1941587-01
Client ID: SB-1
Sample Location: 131 PEARL STREET

Sample Depth:
Matrix: Soil

Date Collected: 09/11/19 10:00
Date Received: 09/11/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.3		%	0.100	NA	1	-	09/12/19 12:10	121,2540G	RI

Project Name: PORT CHESTER, NY
Project Number: 411189
Lab Number: L1941587
Report Date: 09/19/19

SAMPLE RESULTS

Lab ID: L1941587-02
Client ID: SB-2
Sample Location: 131 PEARL STREET
Sample Depth:
Matrix: Soil

Date Collected: 09/11/19 11:00
Date Received: 09/11/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.9		%	0.100	NA	1	-	09/12/19 12:10	121,2540G	RI

Project Name: PORT CHESTER, NY
Project Number: 411189
Lab Number: L1941587
Report Date: 09/19/19

SAMPLE RESULTS

Lab ID: L1941587-03
Client ID: SB-3
Sample Location: 131 PEARL STREET
Sample Depth:
Matrix: Soil

Date Collected: 09/11/19 12:00
Date Received: 09/11/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.4		%	0.100	NA	1	-	09/12/19 12:10	121,2540G	RI

Project Name: PORT CHESTER, NY
Project Number: 411189
Lab Number: L1941587
Report Date: 09/19/19

SAMPLE RESULTS

Lab ID: L1941587-04
Client ID: SB-4
Sample Location: 131 PEARL STREET
Sample Depth:
Matrix: Soil

Date Collected: 09/11/19 12:30
Date Received: 09/11/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.8		%	0.100	NA	1	-	09/12/19 12:10	121,2540G	RI

Lab Duplicate Analysis

Batch Quality Control

Project Name: PORT CHESTER, NY

Project Number: 411189

Lab Number: L1941587

Report Date: 09/19/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1283295-1 QC Sample: L1941431-01 Client ID: DUP Sample						
Solids, Total	92.7	93.0	%	0		20

Project Name: PORT CHESTER, NY
Project Number: 411189

Lab Number: L1941587
Report Date: 09/19/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1941587-01A	Vial MeOH preserved	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1941587-01B	Vial water preserved	A	NA		2.8	Y	Absent	12-SEP-19 10:15	NYTCL-8260HLW(14)
L1941587-01C	Vial water preserved	A	NA		2.8	Y	Absent	12-SEP-19 10:15	NYTCL-8260HLW(14)
L1941587-01D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L1941587-01E	Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		HOLD-METAL(180)
L1941587-01F	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14)
L1941587-02A	Vial MeOH preserved	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1941587-02B	Vial water preserved	A	NA		2.8	Y	Absent	12-SEP-19 10:15	NYTCL-8260HLW(14)
L1941587-02C	Vial water preserved	A	NA		2.8	Y	Absent	12-SEP-19 10:15	NYTCL-8260HLW(14)
L1941587-02D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L1941587-02E	Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		HOLD-METAL(180)
L1941587-02F	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14)
L1941587-03A	Vial MeOH preserved	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1941587-03B	Vial water preserved	A	NA		2.8	Y	Absent	12-SEP-19 10:15	NYTCL-8260HLW(14)
L1941587-03C	Vial water preserved	A	NA		2.8	Y	Absent	12-SEP-19 10:15	NYTCL-8260HLW(14)
L1941587-03D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L1941587-03E	Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		HOLD-METAL(180)
L1941587-03F	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14)
L1941587-04A	Vial MeOH preserved	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L1941587-04B	Vial water preserved	A	NA		2.8	Y	Absent	12-SEP-19 10:15	NYTCL-8260HLW(14)
L1941587-04C	Vial water preserved	A	NA		2.8	Y	Absent	12-SEP-19 10:15	NYTCL-8260HLW(14)
L1941587-04D	Plastic 2oz unpreserved for TS	A	NA		2.8	Y	Absent		TS(7)
L1941587-04E	Glass 60mL/2oz unpreserved	A	NA		2.8	Y	Absent		HOLD-METAL(180)

*Values in parentheses indicate holding time in days

Project Name: PORT CHESTER, NY
Project Number: 411189

Lab Number: L1941587
Report Date: 09/19/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1941587-04F	Glass 120ml/4oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14)

*Values in parentheses indicate holding time in days

Project Name:	PORT CHESTER, NY	**Lab Number:**	L1941587
Project Number:	411189	**Report Date:**	09/19/19

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name:	PORT CHESTER, NY	**Lab Number:**	L1941587
Project Number:	411189	**Report Date:**	09/19/19

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name:	PORT CHESTER, NY	**Lab Number:**	L1941587
Project Number:	411189	**Report Date:**	09/19/19

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page: 1 of 1

Date Rec'd in Lab: 9/12/19

ALPHA Job #: L1941587

Client Information
Client: AEI
Address:
Phone:
Fax:
Email:

Project Information
Project Name: Portchester, NY
Project Location: 151 Pearl Street
Project #: 411189
(Use Project name as Project #) ☐
Project Manager: JMaggiulli
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO # 204981

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL-VOC	PAH	RCRA Metals						Sample Specific Comments	Total Bottle
41587-01	SB-1	9/11	1000	SO	JM	X	X	H							
-02	SB-2	9/11	1100	SO	JM	X	X	H							
-03	SB-3	9/11	1200	SO	JM	X	X	H							
-04	SB-4	9/11	1250	SO	JM	X	X	H							

Container Type: V A A
Preservative: B A A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
AEI	9/11/19 1500	[illegible] ARL	9/11/19 16:45
[illegible]	9/11/19 17:35	[illegible]	9/11/19 2005
[illegible]	9/12/19 0205	[illegible]	9/12/19 02:05

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA100\2019\190917N\
Data File : V00190917N24.D
Acq On : 18 Sep 2019 1:24 am
Operator : VOA100:NLK
Sample : l1941587-01D,31H,4.45,5,0.040,,a
Misc : WG1285570,ICAL16112
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 18 10:10:20 2019
Quant Method : I:\VOLATILES\VOA100\2019\190917N\V100_190906A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Tue Sep 10 09:47:03 2019
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox90917N\V00190917N01.D•