PHASE II ENVIRONMENTAL SITE ASSESSMENT

- for -

Octavus Storage
Joe McNeil
1810 W. Kennedy Blvd
Tampa, FL 33606

- location -

3678 Southwestern Boulevard
Orchard Park, New York 14127

April 2018

Prepared By:

GREAT LAKES ENVIRONMENTAL
& SAFETY CONSULTANTS, INC.

50 Ridge Road
Buffalo, New York 14218
(716) 827-0700

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Section 1

Introduction

1.0 Introduction

1.1 General

This report has been prepared by Great Lakes Environmental & Safety Consultants, Inc. ("Great Lakes") to document the findings of a Phase II Environmental Site Assessment ("ESA") performed on April 6, 2018 for a parcel located at 3678 Southwestern Boulevard in Orchard Park, New York (the "Site"). The Site is comprised of a degraded building, paved areas, overgrown wooded areas, and an industrial process pond, occupying approximately 7.33 acres. The Site was previously a waste burning demonstration project, process waste materials are found at the North end of the site in a blackened field.

This report presents and summarizes the methodology and findings of the ESA for the site. The scope of work associated with the ESA is based on discussions with site representatives as well as review of documents related to previous assessments conducted at the site.

1.2 Project Understanding

Based on the review and evaluation of background information pertaining to the Site and neighboring properties, strategically selected areas were investigated and evaluated during the ESA.

1.3 Site Investigation Objectives

The purpose and objectives of the ESA include the following:

- Determine the presence of contaminants in the soil and the extent if any;
- Identify potential contamination source areas and migration pathways; and
- Develop and evaluate potential remedial measures, as necessary.

1.4 Report Organization

This report presents the findings from data obtained during the Phase II ESA. Section 2 discusses the investigation activities that were performed at the Site. Section 3 provides an overview of the analytical data obtained during the Phase II ESA. Section 4 presents our conclusions regarding the interpretation and findings of the data obtained during the Phase II ESA.

Section 2

GREAT LAKES ENVIRONMENTAL & SAFETY CONSULTANTS

Site Investigation

2.0 Site Investigation

2.1 General

This section presents the approach and methodology used in performing the Phase II ESA at the Site. To meet the objectives of the project, various field activities were conducted at the Site on April 6, 2018 that included the following:

- Soil borings;
- Monitoring of all recovered soil from borings with photo ionization detector ("PID") for elevated levels of volatile organic chemicals ("VOCs");
- Sampling and analysis of boring soils; and
- Sampling and analysis of surface samples of the blackened field area to the North of the Site.

The following subsections briefly describe the implementation of the above noted field activities.

2.2 Soil Borings

On April 6, 2018 soil borings were performed at the Site with oversight by a Great Lakes environmental professional. The borings were selected in a manner to most effectively test for intrusion of contaminants from the previous industrial activities. A site map indicating the boring locations is presented in Appendix A.

The borings were advanced to a goal depth of twelve (12) feet below grade. Variations in Site geology caused variations in the actual final depth of the borings. The borings were performed using a drill rig equipped with a hydraulic powered, vibratory press.

2.3 PID Analysis

During drilling activities, the exposed soil was visually inspected for evidence of contamination and screened for total volatile organic vapors using a field calibrated Industrial Scientific IBRID MX6 PID. Each boring location was composited and sent in for analysis.

Section 3
Anaytical Results

3.0 Analytical Results

This section presents the results of the environmental media sampling performed as part of the Phase II ESA.

3.1 Subsurface Soil & Ground Water

All recovered soil from the Site was screened for total volatile organic compounds (VOCs) using an Industrial Scientific IBRID MX6 PID. Headspace VOCs were collected in the field, any elevated readings would indicate a requirement for further analysis. These readings were taken from all borings, at four-foot intervals.

The boring soils and the selected surface soil samples were analyzed for the STARS volatile organic compounds and STARS semi-volatile organic compounds, polychlorinated biphenyls, and total metals in accordance with USEPA Testing Methods. The complete analytical data report is presented in Appendix C.

Section 4
Conclusions and Recommendations

4.0 Conclusions and Recommendations

This section summarizes the interpretation of the field data and associated findings obtained during the Phase II ESA.

4.1 Conclusions

The major findings associated with the ESA conducted at the study area include the following:

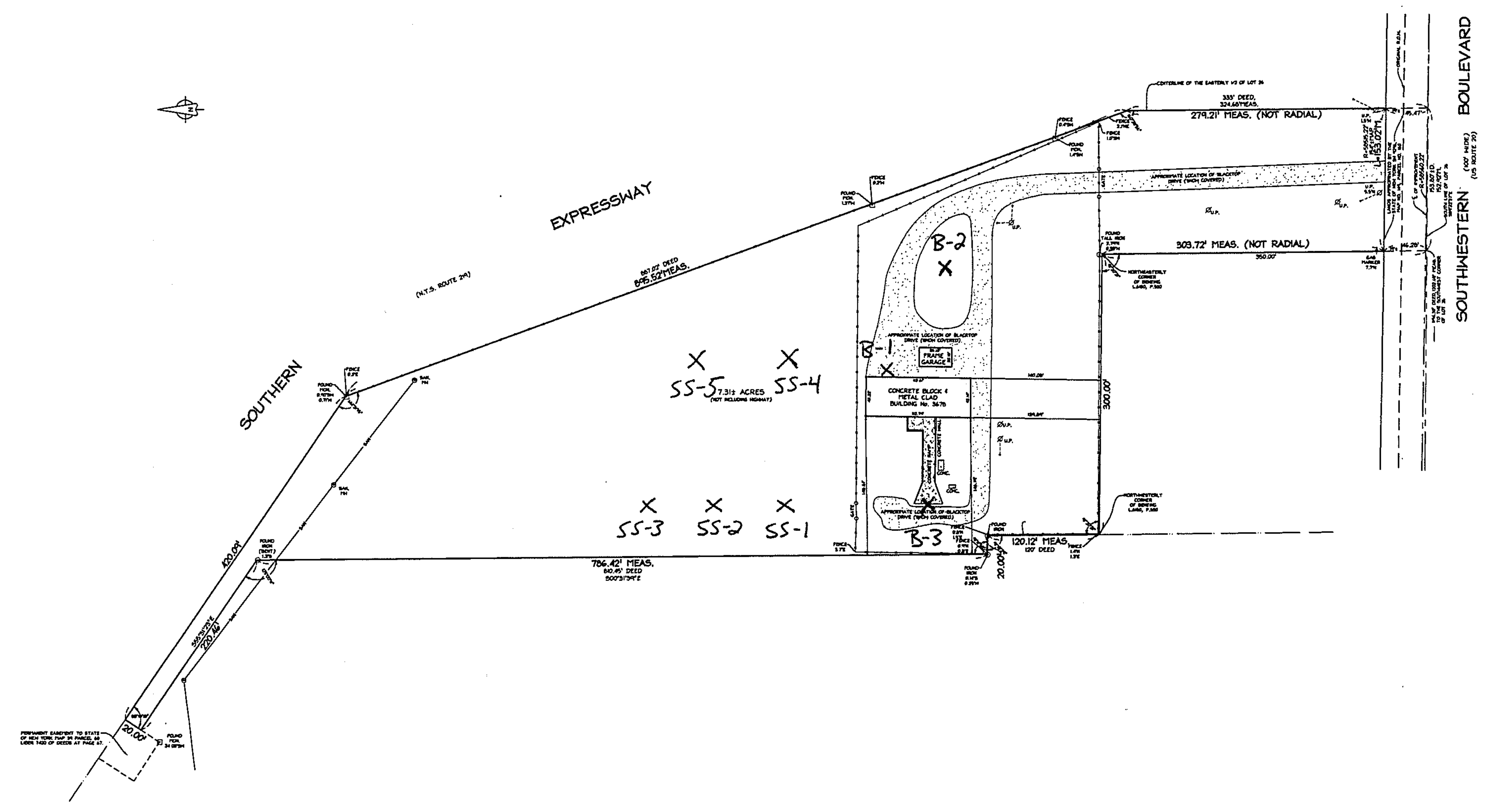
Soils

Soil borings were conducted, and soil samples were visually inspected for evidence of contamination and screened for total volatile organic vapors using a field calibrated Industrial Scientific IBRID MX6 PID. All the boring locations (B-1, B-2, B-3) and the surface samples (SS-1, SS-2, SS-3, SS-4, SS-5) were submitted for laboratory analysis. The analytical results were then compared with the standards set forth by the New York State Department of Environmental Conservation ("NYSDEC") in 6 NYCRR Subpart 375-6 – Remedial Program Soil Cleanup Objectives ("Subpart 375-6"). Neither B-1, B-2, and B-3 composite boring soil samples returned any levels of VOC's, SVOC's, PCBs, or Metals that exceeded NYSDEC's cleanup objectives when compared to Table 375-6.8(a) Unrestricted Use Soil Cleanup Objectives. The surface samples however did have exceedances for Commercial usages when comparing to the cleanup objectives for the metals Barium and Copper.

4.2 Recommendations

Based on the information obtained during the Phase II ESA, and through consulting Great Lakes contacts within the New York State Department of Environmental Conservation, further investigation of the northern blackened area and of the industrial settling pond is required. Commercial development could not proceed on this site without remediation, so investigation of these areas is mandatory to assess the impacts of this dumped waste on the site and adjacent areas. Once impacts to this northern area could be assessed, remedial activities could proceed to clean up the site to the commercial cleanup objectives. Depending on the extent of this metal contamination, this site may be accepted into New York State's Brownfield tax credits. Further investigation is required, and Great Lakes would be pleased to provide a quote to investigate the extent of the metal contamination on the site.

Appendix A
Site Map



NOTE: PHYSICAL FEATURES AT GROUND LEVEL NOT CHECKED AND/OR LOCATED DUE TO THE PRESENCE OF EXCESSIVE SNOW AND/OR ICE.

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NUSSBAUMER & CLARKE, INC.
ENGINEERS AND SURVEYORS

BOUNDARY SURVEY
3678 Southwestern Boulevard

Part of Lot 26, Township 10, Range 7
Holland Land Company's Survey
Town of Orchard Park
County of Erie, State of New York

Date of Survey: 03/09/18
Scale: 1" = 50'
Project No.: 1832-0230

Appendix B
Analytical Data Report

GREAT LAKES ENVIRONMENTAL & SAFETY CONSULTANTS

ANALYTICAL REPORT

Lab Number:	L1812163
Client:	Great Lake Environmental & Safety Cons. 50 Ridge Road Buffalo, NY 14218
ATTN:	Mark Mol
Phone:	(716) 827-0700
Project Name:	SOUTHWESTERN PHASE 2
Project Number:	Not Specified
Report Date:	04/16/18

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: SOUTHWESTERN PHASE 2
Project Number: Not Specified

Lab Number: L1812163
Report Date: 04/16/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1812163-01	SS-1	SOIL	ORCHARD PARK, NY	04/06/18 08:17	04/09/18
L1812163-02	SS-2	SOIL	ORCHARD PARK, NY	04/06/18 08:20	04/09/18
L1812163-03	SS-3	SOIL	ORCHARD PARK, NY	04/06/18 08:22	04/09/18
L1812163-04	SS-4	SOIL	ORCHARD PARK, NY	04/06/18 08:25	04/09/18
L1812163-05	SS-5	SOIL	ORCHARD PARK, NY	04/06/18 08:29	04/09/18
L1812163-06	B-1	SOIL	ORCHARD PARK, NY	04/06/18 09:30	04/09/18
L1812163-07	B-2	SOIL	ORCHARD PARK, NY	04/06/18 09:50	04/09/18
L1812163-08	B-3	SOIL	ORCHARD PARK, NY	04/06/18 10:10	04/09/18

Project Name:	SOUTHWESTERN PHASE 2	**Lab Number:**	L1812163
Project Number:	Not Specified	**Report Date:**	04/16/18

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. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated 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.

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 table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

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 Client Service Representative 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 Client Services at 800-624-9220 with any questions.

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163
Project Number: Not Specified **Report Date:** 04/16/18

Case Narrative (continued)

Report Submission

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

Volatile Organics

Any reported concentrations that are below 200 ug/kg may be low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Total Metals

L1812163-01 through -08: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

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:  Amita Naik

Title: Technical Director/Representative Date: 04/16/18

ORGANICS

VOLATILES

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-01
Client ID: SS-1
Sample Location: ORCHARD PARK, NY

Date Collected: 04/06/18 08:17
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/11/18 12:31
Analyst: JC
Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.2	0.86	1
1,1-Dichloroethane	ND		ug/kg	0.78	0.14	1
Chloroform	ND		ug/kg	0.78	0.19	1
Carbon tetrachloride	ND		ug/kg	0.52	0.18	1
1,2-Dichloropropane	ND		ug/kg	1.8	0.12	1
Dibromochloromethane	ND		ug/kg	0.52	0.09	1
1,1,2-Trichloroethane	ND		ug/kg	0.78	0.16	1
Tetrachloroethene	ND		ug/kg	0.52	0.16	1
Chlorobenzene	ND		ug/kg	0.52	0.18	1
Trichlorofluoromethane	ND		ug/kg	2.6	0.22	1
1,2-Dichloroethane	ND		ug/kg	0.52	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	0.52	0.18	1
Bromodichloromethane	ND		ug/kg	0.52	0.16	1
trans-1,3-Dichloropropene	ND		ug/kg	0.52	0.11	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	0.52	0.11	1
Bromoform	ND		ug/kg	2.1	0.12	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.16	1
Benzene	ND		ug/kg	0.52	0.10	1
Toluene	ND		ug/kg	0.78	0.10	1
Ethylbenzene	ND		ug/kg	0.52	0.09	1
Chloromethane	ND		ug/kg	2.6	0.23	1
Bromomethane	ND		ug/kg	1.0	0.18	1
Vinyl chloride	ND		ug/kg	1.0	0.16	1
Chloroethane	ND		ug/kg	1.0	0.16	1
1,1-Dichloroethene	ND		ug/kg	0.52	0.19	1
trans-1,2-Dichloroethene	ND		ug/kg	0.78	0.13	1
Trichloroethene	ND		ug/kg	0.52	0.16	1

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-01 Date Collected: 04/06/18 08:17

Client ID: SS-1 Date Received: 04/09/18

Sample Location: ORCHARD PARK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	2.6	0.10	1
1,3-Dichlorobenzene	ND		ug/kg	2.6	0.11	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	0.10	1
Methyl tert butyl ether	ND		ug/kg	1.0	0.08	1
p/m-Xylene	ND		ug/kg	1.0	0.18	1
o-Xylene	ND		ug/kg	1.0	0.18	1
Xylenes, Total	ND		ug/kg	1.0	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	0.52	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	0.52	0.13	1
Styrene	ND		ug/kg	1.0	0.21	1
Dichlorodifluoromethane	ND		ug/kg	5.2	0.26	1
Acetone	3.2	J	ug/kg	5.2	1.2	1
Carbon disulfide	ND		ug/kg	5.2	0.58	1
2-Butanone	ND		ug/kg	5.2	0.36	1
4-Methyl-2-pentanone	ND		ug/kg	5.2	0.13	1
2-Hexanone	ND		ug/kg	5.2	0.35	1
Bromochloromethane	ND		ug/kg	2.6	0.19	1
1,2-Dibromoethane	ND		ug/kg	2.1	0.10	1
n-Butylbenzene	ND		ug/kg	0.52	0.12	1
sec-Butylbenzene	ND		ug/kg	0.52	0.11	1
tert-Butylbenzene	ND		ug/kg	2.6	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.6	0.21	1
Isopropylbenzene	ND		ug/kg	0.52	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.52	0.10	1
Naphthalene	ND		ug/kg	2.6	0.07	1
n-Propylbenzene	ND		ug/kg	0.52	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.6	0.13	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	0.11	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.6	0.08	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.6	0.10	1
Methyl Acetate	ND		ug/kg	10	0.24	1
Cyclohexane	ND		ug/kg	10	0.23	1
1,4-Dioxane	ND		ug/kg	21	7.5	1
Freon-113	ND		ug/kg	10	0.27	1
Methyl cyclohexane	ND		ug/kg	2.1	0.12	1

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-01 Date Collected: 04/06/18 08:17

Client ID: SS-1 Date Received: 04/09/18

Sample Location: ORCHARD PARK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	99		70-130

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-02
Client ID: SS-2
Sample Location: ORCHARD PARK, NY

Date Collected: 04/06/18 08:20
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/11/18 12:58
Analyst: JC
Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	8.8	1.4	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.24	1
Chloroform	ND		ug/kg	1.3	0.33	1
Carbon tetrachloride	ND		ug/kg	0.88	0.30	1
1,2-Dichloropropane	ND		ug/kg	3.1	0.20	1
Dibromochloromethane	ND		ug/kg	0.88	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.28	1
Tetrachloroethene	ND		ug/kg	0.88	0.27	1
Chlorobenzene	ND		ug/kg	0.88	0.31	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.37	1
1,2-Dichloroethane	ND		ug/kg	0.88	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	0.88	0.31	1
Bromodichloromethane	ND		ug/kg	0.88	0.27	1
trans-1,3-Dichloropropene	ND		ug/kg	0.88	0.18	1
cis-1,3-Dichloropropene	ND		ug/kg	0.88	0.20	1
1,3-Dichloropropene, Total	ND		ug/kg	0.88	0.18	1
Bromoform	ND		ug/kg	3.5	0.21	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.88	0.26	1
Benzene	ND		ug/kg	0.88	0.17	1
Toluene	ND		ug/kg	1.3	0.17	1
Ethylbenzene	ND		ug/kg	0.88	0.15	1
Chloromethane	ND		ug/kg	4.4	0.38	1
Bromomethane	ND		ug/kg	1.8	0.30	1
Vinyl chloride	ND		ug/kg	1.8	0.28	1
Chloroethane	ND		ug/kg	1.8	0.28	1
1,1-Dichloroethene	ND		ug/kg	0.88	0.33	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.21	1
Trichloroethene	ND		ug/kg	0.88	0.27	1

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-02 Date Collected: 04/06/18 08:20

Client ID: SS-2 Date Received: 04/09/18

Sample Location: ORCHARD PARK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	4.4	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	4.4	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	4.4	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.14	1
p/m-Xylene	ND		ug/kg	1.8	0.31	1
o-Xylene	ND		ug/kg	1.8	0.30	1
Xylenes, Total	ND		ug/kg	1.8	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	0.88	0.30	1
1,2-Dichloroethene, Total	ND		ug/kg	0.88	0.21	1
Styrene	ND		ug/kg	1.8	0.35	1
Dichlorodifluoromethane	ND		ug/kg	8.8	0.44	1
Acetone	ND		ug/kg	8.8	2.0	1
Carbon disulfide	ND		ug/kg	8.8	0.97	1
2-Butanone	ND		ug/kg	8.8	0.61	1
4-Methyl-2-pentanone	ND		ug/kg	8.8	0.22	1
2-Hexanone	ND		ug/kg	8.8	0.59	1
Bromochloromethane	ND		ug/kg	4.4	0.32	1
1,2-Dibromoethane	ND		ug/kg	3.5	0.18	1
n-Butylbenzene	ND		ug/kg	0.88	0.20	1
sec-Butylbenzene	ND		ug/kg	0.88	0.19	1
tert-Butylbenzene	ND		ug/kg	4.4	0.22	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.4	0.35	1
Isopropylbenzene	ND		ug/kg	0.88	0.17	1
p-Isopropyltoluene	ND		ug/kg	0.88	0.18	1
Naphthalene	ND		ug/kg	4.4	0.12	1
n-Propylbenzene	ND		ug/kg	0.88	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.4	0.22	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.4	0.19	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.4	0.14	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.4	0.16	1
Methyl Acetate	ND		ug/kg	18	0.41	1
Cyclohexane	ND		ug/kg	18	0.38	1
1,4-Dioxane	ND		ug/kg	35	13.	1
Freon-113	ND		ug/kg	18	0.45	1
Methyl cyclohexane	ND		ug/kg	3.5	0.21	1

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-02 Date Collected: 04/06/18 08:20

Client ID: SS-2 Date Received: 04/09/18

Sample Location: ORCHARD PARK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	97		70-130

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-03
Client ID: SS-3
Sample Location: ORCHARD PARK, NY

Date Collected: 04/06/18 08:22
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/11/18 13:25
Analyst: PK
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	9.1	1.5	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.24	1
Chloroform	ND		ug/kg	1.4	0.34	1
Carbon tetrachloride	ND		ug/kg	0.91	0.31	1
1,2-Dichloropropane	ND		ug/kg	3.2	0.21	1
Dibromochloromethane	ND		ug/kg	0.91	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.28	1
Tetrachloroethene	ND		ug/kg	0.91	0.27	1
Chlorobenzene	ND		ug/kg	0.91	0.32	1
Trichlorofluoromethane	ND		ug/kg	4.5	0.38	1
1,2-Dichloroethane	ND		ug/kg	0.91	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	0.91	0.32	1
Bromodichloromethane	ND		ug/kg	0.91	0.28	1
trans-1,3-Dichloropropene	ND		ug/kg	0.91	0.19	1
cis-1,3-Dichloropropene	ND		ug/kg	0.91	0.21	1
1,3-Dichloropropene, Total	ND		ug/kg	0.91	0.19	1
Bromoform	ND		ug/kg	3.6	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.91	0.27	1
Benzene	ND		ug/kg	0.91	0.18	1
Toluene	ND		ug/kg	1.4	0.18	1
Ethylbenzene	ND		ug/kg	0.91	0.15	1
Chloromethane	ND		ug/kg	4.5	0.40	1
Bromomethane	ND		ug/kg	1.8	0.31	1
Vinyl chloride	ND		ug/kg	1.8	0.29	1
Chloroethane	ND		ug/kg	1.8	0.29	1
1,1-Dichloroethene	ND		ug/kg	0.91	0.34	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.22	1
Trichloroethene	ND		ug/kg	0.91	0.27	1

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-03 Date Collected: 04/06/18 08:22

Client ID: SS-3 Date Received: 04/09/18

Sample Location: ORCHARD PARK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	4.5	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	4.5	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	4.5	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.14	1
p/m-Xylene	ND		ug/kg	1.8	0.32	1
o-Xylene	ND		ug/kg	1.8	0.31	1
Xylenes, Total	ND		ug/kg	1.8	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	0.91	0.31	1
1,2-Dichloroethene, Total	ND		ug/kg	0.91	0.22	1
Styrene	ND		ug/kg	1.8	0.36	1
Dichlorodifluoromethane	ND		ug/kg	9.1	0.45	1
Acetone	ND		ug/kg	9.1	2.1	1
Carbon disulfide	ND		ug/kg	9.1	1.0	1
2-Butanone	ND		ug/kg	9.1	0.63	1
4-Methyl-2-pentanone	ND		ug/kg	9.1	0.22	1
2-Hexanone	ND		ug/kg	9.1	0.60	1
Bromochloromethane	ND		ug/kg	4.5	0.32	1
1,2-Dibromoethane	ND		ug/kg	3.6	0.18	1
n-Butylbenzene	ND		ug/kg	0.91	0.21	1
sec-Butylbenzene	ND		ug/kg	0.91	0.20	1
tert-Butylbenzene	ND		ug/kg	4.5	0.22	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.5	0.36	1
Isopropylbenzene	ND		ug/kg	0.91	0.18	1
p-Isopropyltoluene	ND		ug/kg	0.91	0.18	1
Naphthalene	ND		ug/kg	4.5	0.12	1
n-Propylbenzene	ND		ug/kg	0.91	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.5	0.23	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.5	0.20	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.5	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.5	0.17	1
Methyl Acetate	ND		ug/kg	18	0.42	1
Cyclohexane	ND		ug/kg	18	0.39	1
1,4-Dioxane	ND		ug/kg	36	13.	1
Freon-113	ND		ug/kg	18	0.47	1
Methyl cyclohexane	ND		ug/kg	3.6	0.22	1

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-03 Date Collected: 04/06/18 08:22

Client ID: SS-3 Date Received: 04/09/18

Sample Location: ORCHARD PARK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	97		70-130

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-04
Client ID: SS-4
Sample Location: ORCHARD PARK, NY

Date Collected: 04/06/18 08:25
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/11/18 13:52
Analyst: PK
Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	8.6	1.4	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.23	1
Chloroform	ND		ug/kg	1.3	0.32	1
Carbon tetrachloride	ND		ug/kg	0.86	0.30	1
1,2-Dichloropropane	ND		ug/kg	3.0	0.20	1
Dibromochloromethane	ND		ug/kg	0.86	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.27	1
Tetrachloroethene	ND		ug/kg	0.86	0.26	1
Chlorobenzene	ND		ug/kg	0.86	0.30	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.36	1
1,2-Dichloroethane	ND		ug/kg	0.86	0.21	1
1,1,1-Trichloroethane	ND		ug/kg	0.86	0.30	1
Bromodichloromethane	ND		ug/kg	0.86	0.26	1
trans-1,3-Dichloropropene	ND		ug/kg	0.86	0.18	1
cis-1,3-Dichloropropene	ND		ug/kg	0.86	0.20	1
1,3-Dichloropropene, Total	ND		ug/kg	0.86	0.18	1
Bromoform	ND		ug/kg	3.4	0.20	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.86	0.26	1
Benzene	ND		ug/kg	0.86	0.16	1
Toluene	ND		ug/kg	1.3	0.17	1
Ethylbenzene	ND		ug/kg	0.86	0.14	1
Chloromethane	ND		ug/kg	4.3	0.37	1
Bromomethane	ND		ug/kg	1.7	0.29	1
Vinyl chloride	ND		ug/kg	1.7	0.27	1
Chloroethane	ND		ug/kg	1.7	0.27	1
1,1-Dichloroethene	ND		ug/kg	0.86	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.21	1
Trichloroethene	ND		ug/kg	0.86	0.26	1

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-04 Date Collected: 04/06/18 08:25

Client ID: SS-4 Date Received: 04/09/18

Sample Location: ORCHARD PARK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	4.3	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	4.3	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	4.3	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.7	0.13	1
p/m-Xylene	ND		ug/kg	1.7	0.30	1
o-Xylene	ND		ug/kg	1.7	0.29	1
Xylenes, Total	ND		ug/kg	1.7	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	0.86	0.29	1
1,2-Dichloroethene, Total	ND		ug/kg	0.86	0.21	1
Styrene	ND		ug/kg	1.7	0.34	1
Dichlorodifluoromethane	ND		ug/kg	8.6	0.43	1
Acetone	ND		ug/kg	8.6	2.0	1
Carbon disulfide	ND		ug/kg	8.6	0.94	1
2-Butanone	ND		ug/kg	8.6	0.59	1
4-Methyl-2-pentanone	ND		ug/kg	8.6	0.21	1
2-Hexanone	ND		ug/kg	8.6	0.57	1
Bromochloromethane	ND		ug/kg	4.3	0.31	1
1,2-Dibromoethane	ND		ug/kg	3.4	0.17	1
n-Butylbenzene	ND		ug/kg	0.86	0.20	1
sec-Butylbenzene	ND		ug/kg	0.86	0.19	1
tert-Butylbenzene	ND		ug/kg	4.3	0.21	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.3	0.34	1
Isopropylbenzene	ND		ug/kg	0.86	0.17	1
p-Isopropyltoluene	ND		ug/kg	0.86	0.17	1
Naphthalene	ND		ug/kg	4.3	0.12	1
n-Propylbenzene	ND		ug/kg	0.86	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.3	0.22	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.3	0.18	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.3	0.14	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.3	0.16	1
Methyl Acetate	ND		ug/kg	17	0.40	1
Cyclohexane	ND		ug/kg	17	0.37	1
1,4-Dioxane	ND		ug/kg	34	12.	1
Freon-113	ND		ug/kg	17	0.44	1
Methyl cyclohexane	ND		ug/kg	3.4	0.20	1

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-04 Date Collected: 04/06/18 08:25

Client ID: SS-4 Date Received: 04/09/18

Sample Location: ORCHARD PARK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	98		70-130

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-05
Client ID: SS-5
Sample Location: ORCHARD PARK, NY

Date Collected: 04/06/18 08:29
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/11/18 14:18
Analyst: PK
Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	9.2	1.5	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.25	1
Chloroform	ND		ug/kg	1.4	0.34	1
Carbon tetrachloride	ND		ug/kg	0.92	0.32	1
1,2-Dichloropropane	ND		ug/kg	3.2	0.21	1
Dibromochloromethane	ND		ug/kg	0.92	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.29	1
Tetrachloroethene	ND		ug/kg	0.92	0.28	1
Chlorobenzene	ND		ug/kg	0.92	0.32	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.38	1
1,2-Dichloroethane	ND		ug/kg	0.92	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	0.92	0.32	1
Bromodichloromethane	ND		ug/kg	0.92	0.28	1
trans-1,3-Dichloropropene	ND		ug/kg	0.92	0.19	1
cis-1,3-Dichloropropene	ND		ug/kg	0.92	0.21	1
1,3-Dichloropropene, Total	ND		ug/kg	0.92	0.19	1
Bromoform	ND		ug/kg	3.7	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.92	0.27	1
Benzene	ND		ug/kg	0.92	0.18	1
Toluene	ND		ug/kg	1.4	0.18	1
Ethylbenzene	ND		ug/kg	0.92	0.16	1
Chloromethane	ND		ug/kg	4.6	0.40	1
Bromomethane	ND		ug/kg	1.8	0.31	1
Vinyl chloride	ND		ug/kg	1.8	0.29	1
Chloroethane	ND		ug/kg	1.8	0.29	1
1,1-Dichloroethene	ND		ug/kg	0.92	0.34	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.22	1
Trichloroethene	ND		ug/kg	0.92	0.28	1

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-05 Date Collected: 04/06/18 08:29

Client ID: SS-5 Date Received: 04/09/18

Sample Location: ORCHARD PARK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	4.6	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	4.6	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	4.6	0.17	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.14	1
p/m-Xylene	ND		ug/kg	1.8	0.32	1
o-Xylene	ND		ug/kg	1.8	0.31	1
Xylenes, Total	ND		ug/kg	1.8	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	0.92	0.31	1
1,2-Dichloroethene, Total	ND		ug/kg	0.92	0.22	1
Styrene	ND		ug/kg	1.8	0.37	1
Dichlorodifluoromethane	ND		ug/kg	9.2	0.46	1
Acetone	ND		ug/kg	9.2	2.1	1
Carbon disulfide	ND		ug/kg	9.2	1.0	1
2-Butanone	ND		ug/kg	9.2	0.63	1
4-Methyl-2-pentanone	ND		ug/kg	9.2	0.22	1
2-Hexanone	ND		ug/kg	9.2	0.61	1
Bromochloromethane	ND		ug/kg	4.6	0.33	1
1,2-Dibromoethane	ND		ug/kg	3.7	0.18	1
n-Butylbenzene	ND		ug/kg	0.92	0.21	1
sec-Butylbenzene	ND		ug/kg	0.92	0.20	1
tert-Butylbenzene	ND		ug/kg	4.6	0.23	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.6	0.36	1
Isopropylbenzene	ND		ug/kg	0.92	0.18	1
p-Isopropyltoluene	ND		ug/kg	0.92	0.18	1
Naphthalene	ND		ug/kg	4.6	0.13	1
n-Propylbenzene	ND		ug/kg	0.92	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.6	0.23	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.6	0.20	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.6	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.6	0.17	1
Methyl Acetate	ND		ug/kg	18	0.42	1
Cyclohexane	ND		ug/kg	18	0.40	1
1,4-Dioxane	ND		ug/kg	37	13.	1
Freon-113	ND		ug/kg	18	0.47	1
Methyl cyclohexane	ND		ug/kg	3.7	0.22	1

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-05 Date Collected: 04/06/18 08:29

Client ID: SS-5 Date Received: 04/09/18

Sample Location: ORCHARD PARK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	98		70-130

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-06
Client ID: B-1
Sample Location: ORCHARD PARK, NY

Date Collected: 04/06/18 09:30
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/11/18 14:45
Analyst: PK
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	8.0	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.22	1
Chloroform	ND		ug/kg	1.2	0.30	1
Carbon tetrachloride	ND		ug/kg	0.80	0.28	1
1,2-Dichloropropane	ND		ug/kg	2.8	0.18	1
Dibromochloromethane	ND		ug/kg	0.80	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.25	1
Tetrachloroethene	ND		ug/kg	0.80	0.24	1
Chlorobenzene	ND		ug/kg	0.80	0.28	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.33	1
1,2-Dichloroethane	ND		ug/kg	0.80	0.20	1
1,1,1-Trichloroethane	ND		ug/kg	0.80	0.28	1
Bromodichloromethane	ND		ug/kg	0.80	0.25	1
trans-1,3-Dichloropropene	ND		ug/kg	0.80	0.17	1
cis-1,3-Dichloropropene	ND		ug/kg	0.80	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.80	0.17	1
Bromoform	ND		ug/kg	3.2	0.19	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.80	0.24	1
Benzene	ND		ug/kg	0.80	0.15	1
Toluene	ND		ug/kg	1.2	0.16	1
Ethylbenzene	ND		ug/kg	0.80	0.14	1
Chloromethane	ND		ug/kg	4.0	0.35	1
Bromomethane	ND		ug/kg	1.6	0.27	1
Vinyl chloride	ND		ug/kg	1.6	0.25	1
Chloroethane	ND		ug/kg	1.6	0.25	1
1,1-Dichloroethene	ND		ug/kg	0.80	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	0.19	1
Trichloroethene	ND		ug/kg	0.80	0.24	1

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-06 Date Collected: 04/06/18 09:30

Client ID: B-1 Date Received: 04/09/18

Sample Location: ORCHARD PARK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	4.0	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	4.0	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	4.0	0.15	1
Methyl tert butyl ether	ND		ug/kg	1.6	0.12	1
p/m-Xylene	ND		ug/kg	1.6	0.28	1
o-Xylene	ND		ug/kg	1.6	0.27	1
Xylenes, Total	ND		ug/kg	1.6	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.80	0.27	1
1,2-Dichloroethene, Total	ND		ug/kg	0.80	0.19	1
Styrene	ND		ug/kg	1.6	0.32	1
Dichlorodifluoromethane	ND		ug/kg	8.0	0.40	1
Acetone	ND		ug/kg	8.0	1.8	1
Carbon disulfide	1.1	J	ug/kg	8.0	0.88	1
2-Butanone	ND		ug/kg	8.0	0.55	1
4-Methyl-2-pentanone	ND		ug/kg	8.0	0.20	1
2-Hexanone	ND		ug/kg	8.0	0.53	1
Bromochloromethane	ND		ug/kg	4.0	0.29	1
1,2-Dibromoethane	ND		ug/kg	3.2	0.16	1
n-Butylbenzene	ND		ug/kg	0.80	0.18	1
sec-Butylbenzene	ND		ug/kg	0.80	0.17	1
tert-Butylbenzene	ND		ug/kg	4.0	0.20	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	0.32	1
Isopropylbenzene	ND		ug/kg	0.80	0.16	1
p-Isopropyltoluene	ND		ug/kg	0.80	0.16	1
Naphthalene	ND		ug/kg	4.0	0.11	1
n-Propylbenzene	ND		ug/kg	0.80	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.0	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.0	0.17	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.0	0.13	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.0	0.15	1
Methyl Acetate	ND		ug/kg	16	0.37	1
Cyclohexane	ND		ug/kg	16	0.35	1
1,4-Dioxane	ND		ug/kg	32	12.	1
Freon-113	ND		ug/kg	16	0.41	1
Methyl cyclohexane	0.21	J	ug/kg	3.2	0.19	1

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-06 Date Collected: 04/06/18 09:30

Client ID: B-1 Date Received: 04/09/18

Sample Location: ORCHARD PARK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	116		70-130
Dibromofluoromethane	98		70-130

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-07
Client ID: B-2
Sample Location: ORCHARD PARK, NY

Date Collected: 04/06/18 09:50
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/11/18 15:12
Analyst: PK
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	8.3	1.4	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.22	1
Chloroform	ND		ug/kg	1.2	0.31	1
Carbon tetrachloride	ND		ug/kg	0.83	0.29	1
1,2-Dichloropropane	ND		ug/kg	2.9	0.19	1
Dibromochloromethane	ND		ug/kg	0.83	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.26	1
Tetrachloroethene	ND		ug/kg	0.83	0.25	1
Chlorobenzene	ND		ug/kg	0.83	0.29	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.35	1
1,2-Dichloroethane	ND		ug/kg	0.83	0.20	1
1,1,1-Trichloroethane	ND		ug/kg	0.83	0.29	1
Bromodichloromethane	ND		ug/kg	0.83	0.26	1
trans-1,3-Dichloropropene	ND		ug/kg	0.83	0.17	1
cis-1,3-Dichloropropene	ND		ug/kg	0.83	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.83	0.17	1
Bromoform	ND		ug/kg	3.3	0.20	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.83	0.25	1
Benzene	ND		ug/kg	0.83	0.16	1
Toluene	ND		ug/kg	1.2	0.16	1
Ethylbenzene	ND		ug/kg	0.83	0.14	1
Chloromethane	ND		ug/kg	4.2	0.36	1
Bromomethane	ND		ug/kg	1.7	0.28	1
Vinyl chloride	ND		ug/kg	1.7	0.26	1
Chloroethane	ND		ug/kg	1.7	0.26	1
1,1-Dichloroethene	ND		ug/kg	0.83	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	0.20	1
Trichloroethene	ND		ug/kg	0.83	0.25	1

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-07 Date Collected: 04/06/18 09:50

Client ID: B-2 Date Received: 04/09/18

Sample Location: ORCHARD PARK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	4.2	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	4.2	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	4.2	0.15	1
Methyl tert butyl ether	ND		ug/kg	1.7	0.13	1
p/m-Xylene	ND		ug/kg	1.7	0.29	1
o-Xylene	ND		ug/kg	1.7	0.28	1
Xylenes, Total	ND		ug/kg	1.7	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.83	0.28	1
1,2-Dichloroethene, Total	ND		ug/kg	0.83	0.20	1
Styrene	ND		ug/kg	1.7	0.33	1
Dichlorodifluoromethane	ND		ug/kg	8.3	0.42	1
Acetone	ND		ug/kg	8.3	1.9	1
Carbon disulfide	ND		ug/kg	8.3	0.92	1
2-Butanone	ND		ug/kg	8.3	0.57	1
4-Methyl-2-pentanone	ND		ug/kg	8.3	0.20	1
2-Hexanone	ND		ug/kg	8.3	0.55	1
Bromochloromethane	ND		ug/kg	4.2	0.30	1
1,2-Dibromoethane	ND		ug/kg	3.3	0.16	1
n-Butylbenzene	ND		ug/kg	0.83	0.19	1
sec-Butylbenzene	ND		ug/kg	0.83	0.18	1
tert-Butylbenzene	ND		ug/kg	4.2	0.20	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.2	0.33	1
Isopropylbenzene	ND		ug/kg	0.83	0.16	1
p-Isopropyltoluene	ND		ug/kg	0.83	0.17	1
Naphthalene	ND		ug/kg	4.2	0.11	1
n-Propylbenzene	ND		ug/kg	0.83	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.2	0.21	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.2	0.18	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.2	0.13	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.2	0.15	1
Methyl Acetate	ND		ug/kg	17	0.38	1
Cyclohexane	ND		ug/kg	17	0.36	1
1,4-Dioxane	ND		ug/kg	33	12.	1
Freon-113	ND		ug/kg	17	0.43	1
Methyl cyclohexane	ND		ug/kg	3.3	0.20	1

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-07 Date Collected: 04/06/18 09:50

Client ID: B-2 Date Received: 04/09/18

Sample Location: ORCHARD PARK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	99		70-130

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-08
Client ID: B-3
Sample Location: ORCHARD PARK, NY

Date Collected: 04/06/18 10:10
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/11/18 15:39
Analyst: PK
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	8.5	1.4	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.23	1
Chloroform	ND		ug/kg	1.3	0.31	1
Carbon tetrachloride	ND		ug/kg	0.85	0.29	1
1,2-Dichloropropane	ND		ug/kg	3.0	0.19	1
Dibromochloromethane	ND		ug/kg	0.85	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.26	1
Tetrachloroethene	ND		ug/kg	0.85	0.26	1
Chlorobenzene	ND		ug/kg	0.85	0.30	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.35	1
1,2-Dichloroethane	ND		ug/kg	0.85	0.21	1
1,1,1-Trichloroethane	ND		ug/kg	0.85	0.30	1
Bromodichloromethane	ND		ug/kg	0.85	0.26	1
trans-1,3-Dichloropropene	ND		ug/kg	0.85	0.18	1
cis-1,3-Dichloropropene	ND		ug/kg	0.85	0.20	1
1,3-Dichloropropene, Total	ND		ug/kg	0.85	0.18	1
Bromoform	ND		ug/kg	3.4	0.20	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.85	0.25	1
Benzene	ND		ug/kg	0.85	0.16	1
Toluene	ND		ug/kg	1.3	0.16	1
Ethylbenzene	ND		ug/kg	0.85	0.14	1
Chloromethane	ND		ug/kg	4.2	0.37	1
Bromomethane	ND		ug/kg	1.7	0.29	1
Vinyl chloride	ND		ug/kg	1.7	0.27	1
Chloroethane	ND		ug/kg	1.7	0.27	1
1,1-Dichloroethene	ND		ug/kg	0.85	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.20	1
Trichloroethene	ND		ug/kg	0.85	0.26	1

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-08 Date Collected: 04/06/18 10:10

Client ID: B-3 Date Received: 04/09/18

Sample Location: ORCHARD PARK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	4.2	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	4.2	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	4.2	0.15	1
Methyl tert butyl ether	ND		ug/kg	1.7	0.13	1
p/m-Xylene	ND		ug/kg	1.7	0.30	1
o-Xylene	ND		ug/kg	1.7	0.29	1
Xylenes, Total	ND		ug/kg	1.7	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	0.85	0.29	1
1,2-Dichloroethene, Total	ND		ug/kg	0.85	0.20	1
Styrene	ND		ug/kg	1.7	0.34	1
Dichlorodifluoromethane	ND		ug/kg	8.5	0.42	1
Acetone	ND		ug/kg	8.5	1.9	1
Carbon disulfide	ND		ug/kg	8.5	0.93	1
2-Butanone	ND		ug/kg	8.5	0.58	1
4-Methyl-2-pentanone	ND		ug/kg	8.5	0.21	1
2-Hexanone	ND		ug/kg	8.5	0.56	1
Bromochloromethane	ND		ug/kg	4.2	0.30	1
1,2-Dibromoethane	ND		ug/kg	3.4	0.17	1
n-Butylbenzene	ND		ug/kg	0.85	0.19	1
sec-Butylbenzene	ND		ug/kg	0.85	0.18	1
tert-Butylbenzene	ND		ug/kg	4.2	0.21	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.2	0.34	1
Isopropylbenzene	ND		ug/kg	0.85	0.16	1
p-Isopropyltoluene	ND		ug/kg	0.85	0.17	1
Naphthalene	ND		ug/kg	4.2	0.12	1
n-Propylbenzene	ND		ug/kg	0.85	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.2	0.21	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.2	0.18	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.2	0.14	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.2	0.16	1
Methyl Acetate	ND		ug/kg	17	0.39	1
Cyclohexane	ND		ug/kg	17	0.37	1
1,4-Dioxane	ND		ug/kg	34	12.	1
Freon-113	ND		ug/kg	17	0.44	1
Methyl cyclohexane	0.58	J	ug/kg	3.4	0.20	1

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-08 Date Collected: 04/06/18 10:10

Client ID: B-3 Date Received: 04/09/18

Sample Location: ORCHARD PARK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	98		70-130

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/11/18 12:05
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1105645-5					
Methylene chloride	ND		ug/kg	10	1.6
1,1-Dichloroethane	ND		ug/kg	1.5	0.27
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.34
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.18
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31
Tetrachloroethene	ND		ug/kg	1.0	0.30
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.42
1,2-Dichloroethane	ND		ug/kg	1.0	0.25
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.35
Bromodichloromethane	ND		ug/kg	1.0	0.31
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.21
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.23
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.21
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.30
Benzene	ND		ug/kg	1.0	0.19
Toluene	ND		ug/kg	1.5	0.20
Ethylbenzene	ND		ug/kg	1.0	0.17
Chloromethane	ND		ug/kg	5.0	0.44
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.32
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.37
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.24
Trichloroethene	ND		ug/kg	1.0	0.30
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/11/18 12:05
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1105645-5					
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.22
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.18
Methyl tert butyl ether	ND		ug/kg	2.0	0.15
p/m-Xylene	ND		ug/kg	2.0	0.35
o-Xylene	ND		ug/kg	2.0	0.34
Xylenes, Total	ND		ug/kg	2.0	0.34
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.34
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.24
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.50
Acetone	ND		ug/kg	10	2.3
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.69
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.36
1,2-Dibromoethane	ND		ug/kg	4.0	0.20
n-Butylbenzene	ND		ug/kg	1.0	0.23
sec-Butylbenzene	ND		ug/kg	1.0	0.22
tert-Butylbenzene	ND		ug/kg	5.0	0.25
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Isopropylbenzene	ND		ug/kg	1.0	0.19
p-Isopropyltoluene	ND		ug/kg	1.0	0.20
Naphthalene	ND		ug/kg	5.0	0.14
n-Propylbenzene	ND		ug/kg	1.0	0.22
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.25
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.22
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.16
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.19

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/11/18 12:05
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1105645-5					
Methyl Acetate	ND		ug/kg	20	0.46
Cyclohexane	ND		ug/kg	20	0.43
1,4-Dioxane	ND		ug/kg	40	14.
Freon-113	ND		ug/kg	20	0.51
Methyl cyclohexane	ND		ug/kg	4.0	0.24

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SOUTHWESTERN PHASE 2
Project Number: Not Specified

Lab Number: L1812163
Report Date: 04/16/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1105645-3 WG1105645-4								
Methylene chloride	76		75		70-130	1		30
1,1-Dichloroethane	104		105		70-130	1		30
Chloroform	97		98		70-130	1		30
Carbon tetrachloride	97		96		70-130	1		30
1,2-Dichloropropane	103		105		70-130	2		30
Dibromochloromethane	93		93		70-130	0		30
1,1,2-Trichloroethane	99		99		70-130	0		30
Tetrachloroethene	96		94		70-130	2		30
Chlorobenzene	96		95		70-130	1		30
Trichlorofluoromethane	110		113		70-139	3		30
1,2-Dichloroethane	99		101		70-130	2		30
1,1,1-Trichloroethane	100		100		70-130	0		30
Bromodichloromethane	100		102		70-130	2		30
trans-1,3-Dichloropropene	99		97		70-130	2		30
cis-1,3-Dichloropropene	102		102		70-130	0		30
Bromoform	94		95		70-130	1		30
1,1,2,2-Tetrachloroethane	98		101		70-130	3		30
Benzene	101		101		70-130	0		30
Toluene	96		93		70-130	3		30
Ethylbenzene	96		95		70-130	1		30
Chloromethane	102		96		52-130	6		30
Bromomethane	136		140		57-147	3		30
Vinyl chloride	115		113		67-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SOUTHWESTERN PHASE 2
Project Number: Not Specified

Lab Number: L1812163
Report Date: 04/16/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1105645-3 WG1105645-4								
Chloroethane	107		107		50-151	0		30
1,1-Dichloroethene	101		101		65-135	0		30
trans-1,2-Dichloroethene	103		103		70-130	0		30
Trichloroethene	101		102		70-130	1		30
1,2-Dichlorobenzene	93		94		70-130	1		30
1,3-Dichlorobenzene	94		94		70-130	0		30
1,4-Dichlorobenzene	93		95		70-130	2		30
Methyl tert butyl ether	102		103		66-130	1		30
p/m-Xylene	96		95		70-130	1		30
o-Xylene	95		95		70-130	0		30
cis-1,2-Dichloroethene	103		102		70-130	1		30
Styrene	93		92		70-130	1		30
Dichlorodifluoromethane	100		95		30-146	5		30
Acetone	**206**	Q	**224**	Q	54-140	8		30
Carbon disulfide	104		91		59-130	13		30
2-Butanone	129		**139**	Q	70-130	7		30
4-Methyl-2-pentanone	99		99		70-130	0		30
2-Hexanone	102		109		70-130	7		30
Bromochloromethane	100		101		70-130	1		30
1,2-Dibromoethane	99		99		70-130	0		30
n-Butylbenzene	98		98		70-130	0		30
sec-Butylbenzene	98		97		70-130	1		30
tert-Butylbenzene	96		96		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SOUTHWESTERN PHASE 2
Project Number: Not Specified

Lab Number: L1812163
Report Date: 04/16/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1105645-3 WG1105645-4								
1,2-Dibromo-3-chloropropane	92		97		68-130	5		30
Isopropylbenzene	97		97		70-130	0		30
p-Isopropyltoluene	95		95		70-130	0		30
Naphthalene	89		92		70-130	3		30
n-Propylbenzene	98		99		70-130	1		30
1,2,3-Trichlorobenzene	94		95		70-130	1		30
1,2,4-Trichlorobenzene	96		97		70-130	1		30
1,3,5-Trimethylbenzene	96		95		70-130	1		30
1,2,4-Trimethylbenzene	94		94		70-130	0		30
Methyl Acetate	81		83		51-146	2		30
Cyclohexane	102		100		59-142	2		30
1,4-Dioxane	96		101		65-136	5		30
Freon-113	105		104		50-139	1		30
Methyl cyclohexane	105		104		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		99		70-130
Toluene-d8	98		96		70-130
4-Bromofluorobenzene	104		104		70-130
Dibromofluoromethane	99		99		70-130

SEMIVOLATILES

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-01
Client ID: SS-1
Sample Location: ORCHARD PARK, NY

Date Collected: 04/06/18 08:17
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/12/18 18:31
Analyst: SZ
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 04/10/18 17:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	20.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	29.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	34.	1
2,6-Dinitrotoluene	ND		ug/kg	170	29.	1
Fluoranthene	ND		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	29.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	150	22.	1
Naphthalene	ND		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	150	25.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	59.	1
Butyl benzyl phthalate	ND		ug/kg	170	43.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	58.	1

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-01 Date Collected: 04/06/18 08:17

Client ID: SS-1 Date Received: 04/09/18

Sample Location: ORCHARD PARK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1
Benzo(a)anthracene	ND		ug/kg	100	19.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	ND		ug/kg	100	29.	1
Benzo(k)fluoranthene	ND		ug/kg	100	27.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	26.	1
Anthracene	ND		ug/kg	100	33.	1
Benzo(ghi)perylene	ND		ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	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	24.	1
Pyrene	ND		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	390	40.	1
4-Chloroaniline	ND		ug/kg	170	31.	1
2-Nitroaniline	ND		ug/kg	170	33.	1
3-Nitroaniline	ND		ug/kg	170	32.	1
4-Nitroaniline	ND		ug/kg	170	71.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	200	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
p-Chloro-m-cresol	ND		ug/kg	170	26.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	150	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	56.	1
2-Nitrophenol	ND		ug/kg	370	64.	1
4-Nitrophenol	ND		ug/kg	240	70.	1
2,4-Dinitrophenol	ND		ug/kg	820	80.	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	82.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	26.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-01 Date Collected: 04/06/18 08:17

Client ID: SS-1 Date Received: 04/09/18

Sample Location: ORCHARD PARK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	33.	1
Benzoic Acid	ND		ug/kg	560	170	1
Benzyl Alcohol	ND		ug/kg	170	52.	1
Carbazole	ND		ug/kg	170	17.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	89		10-136
4-Terphenyl-d14	76		18-120

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-02
Client ID: SS-2
Sample Location: ORCHARD PARK, NY

Date Collected: 04/06/18 08:20
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/12/18 18:58
Analyst: SZ
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 04/10/18 17:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	20.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	29.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	34.	1
2,6-Dinitrotoluene	ND		ug/kg	170	29.	1
Fluoranthene	24	J	ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	29.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	150	22.	1
Naphthalene	ND		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	150	25.	1
NDPA/DPA	ND		ug/kg	140	19.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	59.	1
Butyl benzyl phthalate	ND		ug/kg	170	43.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	58.	1

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-02 Date Collected: 04/06/18 08:20

Client ID: SS-2 Date Received: 04/09/18

Sample Location: ORCHARD PARK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1
Benzo(a)anthracene	ND		ug/kg	100	19.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	ND		ug/kg	100	29.	1
Benzo(k)fluoranthene	ND		ug/kg	100	27.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	26.	1
Anthracene	ND		ug/kg	100	33.	1
Benzo(ghi)perylene	ND		ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	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	24.	1
Pyrene	18	J	ug/kg	100	17.	1
Biphenyl	ND		ug/kg	390	40.	1
4-Chloroaniline	ND		ug/kg	170	31.	1
2-Nitroaniline	ND		ug/kg	170	33.	1
3-Nitroaniline	ND		ug/kg	170	32.	1
4-Nitroaniline	ND		ug/kg	170	71.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	200	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
p-Chloro-m-cresol	ND		ug/kg	170	26.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	150	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	56.	1
2-Nitrophenol	ND		ug/kg	370	64.	1
4-Nitrophenol	ND		ug/kg	240	70.	1
2,4-Dinitrophenol	ND		ug/kg	820	80.	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	82.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	26.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-02 Date Collected: 04/06/18 08:20

Client ID: SS-2 Date Received: 04/09/18

Sample Location: ORCHARD PARK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	33.	1
Benzoic Acid	ND		ug/kg	550	170	1
Benzyl Alcohol	ND		ug/kg	170	52.	1
Carbazole	ND		ug/kg	170	17.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	94		10-136
4-Terphenyl-d14	84		18-120

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-03
Client ID: SS-3
Sample Location: ORCHARD PARK, NY

Date Collected: 04/06/18 08:22
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/12/18 19:24
Analyst: SZ
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 04/10/18 17:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	100	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	30.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	35.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	23	J	ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	61.	1
Butyl benzyl phthalate	ND		ug/kg	180	44.	1
Di-n-butylphthalate	ND		ug/kg	180	33.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-03 Date Collected: 04/06/18 08:22

Client ID: SS-3 Date Received: 04/09/18

Sample Location: ORCHARD PARK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	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	18	J	ug/kg	100	18.	1
Biphenyl	ND		ug/kg	400	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	33.	1
4-Nitroaniline	ND		ug/kg	180	73.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	58.	1
2-Nitrophenol	ND		ug/kg	380	66.	1
4-Nitrophenol	ND		ug/kg	250	72.	1
2,4-Dinitrophenol	ND		ug/kg	850	82.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	85.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	28.	1

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-03 Date Collected: 04/06/18 08:22

Client ID: SS-3 Date Received: 04/09/18

Sample Location: ORCHARD PARK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	280	J	ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	ND		ug/kg	180	17.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	80		10-136
4-Terphenyl-d14	65		18-120

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-04
Client ID: SS-4
Sample Location: ORCHARD PARK, NY

Date Collected: 04/06/18 08:25
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/12/18 19:49
Analyst: SZ
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 04/10/18 17:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	20.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	30.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	35.	1
2,6-Dinitrotoluene	ND		ug/kg	170	30.	1
Fluoranthene	ND		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	22.	1
Naphthalene	ND		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	60.	1
Butyl benzyl phthalate	ND		ug/kg	170	44.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	59.	1

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-04 Date Collected: 04/06/18 08:25

Client ID: SS-4 Date Received: 04/09/18

Sample Location: ORCHARD PARK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1
Benzo(a)anthracene	ND		ug/kg	100	20.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	ND		ug/kg	100	29.	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	20.	1
Fluorene	ND		ug/kg	170	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	24.	1
Pyrene	ND		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	400	40.	1
4-Chloroaniline	ND		ug/kg	170	32.	1
2-Nitroaniline	ND		ug/kg	170	33.	1
3-Nitroaniline	ND		ug/kg	170	33.	1
4-Nitroaniline	ND		ug/kg	170	72.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	170	26.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	57.	1
2-Nitrophenol	ND		ug/kg	370	65.	1
4-Nitrophenol	ND		ug/kg	240	71.	1
2,4-Dinitrophenol	ND		ug/kg	830	81.	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	83.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-04 Date Collected: 04/06/18 08:25

Client ID: SS-4 Date Received: 04/09/18

Sample Location: ORCHARD PARK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	33.	1
Benzoic Acid	250	J	ug/kg	560	180	1
Benzyl Alcohol	ND		ug/kg	170	53.	1
Carbazole	ND		ug/kg	170	17.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	89		10-136
4-Terphenyl-d14	74		18-120

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-05
Client ID: SS-5
Sample Location: ORCHARD PARK, NY

Date Collected: 04/06/18 08:29
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/12/18 20:15
Analyst: SZ
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 04/10/18 17:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	20.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	29.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	45.	1
2,4-Dinitrotoluene	ND		ug/kg	170	34.	1
2,6-Dinitrotoluene	ND		ug/kg	170	29.	1
Fluoranthene	29	J	ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	29.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	150	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	150	22.	1
Naphthalene	ND		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	150	25.	1
NDPA/DPA	ND		ug/kg	140	19.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	59.	1
Butyl benzyl phthalate	ND		ug/kg	170	43.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	58.	1

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-05 Date Collected: 04/06/18 08:29

Client ID: SS-5 Date Received: 04/09/18

Sample Location: ORCHARD PARK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1
Benzo(a)anthracene	ND		ug/kg	100	19.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	ND		ug/kg	100	29.	1
Benzo(k)fluoranthene	ND		ug/kg	100	27.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	26.	1
Anthracene	ND		ug/kg	100	33.	1
Benzo(ghi)perylene	ND		ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	16.	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	24.	1
Pyrene	24	J	ug/kg	100	17.	1
Biphenyl	ND		ug/kg	390	40.	1
4-Chloroaniline	ND		ug/kg	170	31.	1
2-Nitroaniline	ND		ug/kg	170	33.	1
3-Nitroaniline	ND		ug/kg	170	32.	1
4-Nitroaniline	ND		ug/kg	170	71.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	200	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
p-Chloro-m-cresol	ND		ug/kg	170	25.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	150	27.	1
2,4-Dimethylphenol	ND		ug/kg	170	56.	1
2-Nitrophenol	ND		ug/kg	370	64.	1
4-Nitrophenol	ND		ug/kg	240	70.	1
2,4-Dinitrophenol	ND		ug/kg	820	80.	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	82.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	26.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	27.	1

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-05 Date Collected: 04/06/18 08:29

Client ID: SS-5 Date Received: 04/09/18

Sample Location: ORCHARD PARK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	33.	1
Benzoic Acid	220	J	ug/kg	550	170	1
Benzyl Alcohol	ND		ug/kg	170	52.	1
Carbazole	ND		ug/kg	170	16.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	80		10-136
4-Terphenyl-d14	68		18-120

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-06
Client ID: B-1
Sample Location: ORCHARD PARK, NY

Date Collected: 04/06/18 09:30
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/12/18 20:41
Analyst: SZ
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 04/10/18 17:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	20.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	30.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	35.	1
2,6-Dinitrotoluene	ND		ug/kg	170	30.	1
Fluoranthene	ND		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	22.	1
Naphthalene	ND		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	60.	1
Butyl benzyl phthalate	ND		ug/kg	170	44.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	59.	1

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-06 Date Collected: 04/06/18 09:30

Client ID: B-1 Date Received: 04/09/18

Sample Location: ORCHARD PARK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1
Benzo(a)anthracene	ND		ug/kg	100	20.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	ND		ug/kg	100	29.	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	20.	1
Fluorene	ND		ug/kg	170	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	24.	1
Pyrene	ND		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	400	40.	1
4-Chloroaniline	ND		ug/kg	170	32.	1
2-Nitroaniline	ND		ug/kg	170	34.	1
3-Nitroaniline	ND		ug/kg	170	33.	1
4-Nitroaniline	ND		ug/kg	170	72.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	170	26.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	57.	1
2-Nitrophenol	ND		ug/kg	380	65.	1
4-Nitrophenol	ND		ug/kg	240	71.	1
2,4-Dinitrophenol	ND		ug/kg	840	81.	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	84.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-06 Date Collected: 04/06/18 09:30

Client ID: B-1 Date Received: 04/09/18

Sample Location: ORCHARD PARK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	33.	1
Benzoic Acid	ND		ug/kg	560	180	1
Benzyl Alcohol	ND		ug/kg	170	53.	1
Carbazole	ND		ug/kg	170	17.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	55		10-136
4-Terphenyl-d14	71		18-120

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-07
Client ID: B-2
Sample Location: ORCHARD PARK, NY

Date Collected: 04/06/18 09:50
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/12/18 21:07
Analyst: SZ
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 04/10/18 17:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	ND		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	65.	1

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-07 Date Collected: 04/06/18 09:50

Client ID: B-2 Date Received: 04/09/18

Sample Location: ORCHARD PARK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	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
Biphenyl	ND		ug/kg	430	44.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	79.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	410	72.	1
4-Nitrophenol	ND		ug/kg	270	78.	1
2,4-Dinitrophenol	ND		ug/kg	910	89.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	91.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	30.	1

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-07 Date Collected: 04/06/18 09:50

Client ID: B-2 Date Received: 04/09/18

Sample Location: ORCHARD PARK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	ND		ug/kg	190	18.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	80		10-136
4-Terphenyl-d14	74		18-120

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-08
Client ID: B-3
Sample Location: ORCHARD PARK, NY

Date Collected: 04/06/18 10:10
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/12/18 21:33
Analyst: SZ
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 04/10/18 17:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	ND		ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-08 Date Collected: 04/06/18 10:10

Client ID: B-3 Date Received: 04/09/18

Sample Location: ORCHARD PARK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	38.	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	18.	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	17.	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
Biphenyl	ND		ug/kg	410	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	390	67.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	83.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	86.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-08 Date Collected: 04/06/18 10:10

Client ID: B-3 Date Received: 04/09/18

Sample Location: ORCHARD PARK, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	ND		ug/kg	180	17.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		25-120
Phenol-d6	85		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	62		10-136
4-Terphenyl-d14	77		18-120

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/11/18 22:56
Analyst: TT

Extraction Method: EPA 3546
Extraction Date: 04/10/18 17:49

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1105283-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	18.
Hexachlorobenzene	ND		ug/kg	97	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	32.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	97	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	460	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/11/18 22:56
Analyst: TT

Extraction Method: EPA 3546
Extraction Date: 04/10/18 17:49

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1105283-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	97	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	97	27.
Benzo(k)fluoranthene	ND		ug/kg	97	26.
Chrysene	ND		ug/kg	97	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	97	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	97	20.
Dibenzo(a,h)anthracene	ND		ug/kg	97	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	97	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	190	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	97	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/11/18 22:56
Analyst: TT

Extraction Method: EPA 3546
Extraction Date: 04/10/18 17:49

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1105283-1					
4-Nitrophenol	ND		ug/kg	230	66.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	24.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	25.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		25-120
Phenol-d6	88		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	82		10-136
4-Terphenyl-d14	76		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: SOUTHWESTERN PHASE 2
Project Number: Not Specified

Lab Number: L1812163
Report Date: 04/16/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1105283-2 WG1105283-3								
Acenaphthene	69		67		31-137	3		50
1,2,4-Trichlorobenzene	72		71		38-107	1		50
Hexachlorobenzene	70		69		40-140	1		50
Bis(2-chloroethyl)ether	73		72		40-140	1		50
2-Chloronaphthalene	71		69		40-140	3		50
1,2-Dichlorobenzene	66		67		40-140	2		50
1,3-Dichlorobenzene	66		66		40-140	0		50
1,4-Dichlorobenzene	65		67		28-104	3		50
3,3'-Dichlorobenzidine	50		48		40-140	4		50
2,4-Dinitrotoluene	74		72		40-132	3		50
2,6-Dinitrotoluene	82		82		40-140	0		50
Fluoranthene	68		66		40-140	3		50
4-Chlorophenyl phenyl ether	68		67		40-140	1		50
4-Bromophenyl phenyl ether	66		65		40-140	2		50
Bis(2-chloroisopropyl)ether	82		80		40-140	2		50
Bis(2-chloroethoxy)methane	78		77		40-117	1		50
Hexachlorobutadiene	69		70		40-140	1		50
Hexachlorocyclopentadiene	56		56		40-140	0		50
Hexachloroethane	71		72		40-140	1		50
Isophorone	87		85		40-140	2		50
Naphthalene	67		67		40-140	0		50
Nitrobenzene	77		76		40-140	1		50
NDPA/DPA	69		67		36-157	3		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: SOUTHWESTERN PHASE 2
Project Number: Not Specified

Lab Number: L1812163
Report Date: 04/16/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1105283-2 WG1105283-3								
n-Nitrosodi-n-propylamine	86		85		32-121	1		50
Bis(2-ethylhexyl)phthalate	82		81		40-140	1		50
Butyl benzyl phthalate	78		76		40-140	3		50
Di-n-butylphthalate	74		72		40-140	3		50
Di-n-octylphthalate	79		77		40-140	3		50
Diethyl phthalate	73		71		40-140	3		50
Dimethyl phthalate	76		73		40-140	4		50
Benzo(a)anthracene	72		70		40-140	3		50
Benzo(a)pyrene	73		71		40-140	3		50
Benzo(b)fluoranthene	72		70		40-140	3		50
Benzo(k)fluoranthene	69		68		40-140	1		50
Chrysene	71		70		40-140	1		50
Acenaphthylene	76		75		40-140	1		50
Anthracene	67		67		40-140	0		50
Benzo(ghi)perylene	72		72		40-140	0		50
Fluorene	69		67		40-140	3		50
Phenanthrene	66		65		40-140	2		50
Dibenzo(a,h)anthracene	71		71		40-140	0		50
Indeno(1,2,3-cd)pyrene	74		72		40-140	3		50
Pyrene	67		66		35-142	2		50
Biphenyl	70		70		54-104	0		50
4-Chloroaniline	88		87		40-140	1		50
2-Nitroaniline	77		77		47-134	0		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: SOUTHWESTERN PHASE 2
Project Number: Not Specified

Lab Number: L1812163
Report Date: 04/16/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1105283-2 WG1105283-3								
3-Nitroaniline	58		57		26-129	2		50
4-Nitroaniline	66		66		41-125	0		50
Dibenzofuran	66		66		40-140	0		50
2-Methylnaphthalene	71		69		40-140	3		50
1,2,4,5-Tetrachlorobenzene	70		70		40-117	0		50
Acetophenone	79		79		14-144	0		50
2,4,6-Trichlorophenol	76		75		30-130	1		50
p-Chloro-m-cresol	81		80		26-103	1		50
2-Chlorophenol	71		72		25-102	1		50
2,4-Dichlorophenol	76		75		30-130	1		50
2,4-Dimethylphenol	81		78		30-130	4		50
2-Nitrophenol	77		77		30-130	0		50
4-Nitrophenol	74		74		11-114	0		50
2,4-Dinitrophenol	44		42		4-130	5		50
4,6-Dinitro-o-cresol	70		67		10-130	4		50
Pentachlorophenol	54		51		17-109	6		50
Phenol	70		70		26-90	0		50
2-Methylphenol	79		80		30-130.	1		50
3-Methylphenol/4-Methylphenol	84		83		30-130	1		50
2,4,5-Trichlorophenol	77		78		30-130	1		50
Benzoic Acid	34		29		10-110	16		50
Benzyl Alcohol	78		78		40-140	0		50
Carbazole	67		66		54-128	2		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: SOUTHWESTERN PHASE 2
Project Number: Not Specified

Lab Number: L1812163
Report Date: 04/16/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1105283-2 WG1105283-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	71		69		25-120
Phenol-d6	80		78		10-120
Nitrobenzene-d5	72		71		23-120
2-Fluorobiphenyl	65		64		30-120
2,4,6-Tribromophenol	77		74		10-136
4-Terphenyl-d14	64		61		18-120

PCBS

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-01
Client ID: SS-1
Sample Location: ORCHARD PARK, NY

Date Collected: 04/06/18 08:17
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 04/11/18 15:36
Analyst: WR
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 04/10/18 21:36
Cleanup Method: EPA 3665A
Cleanup Date: 04/11/18
Cleanup Method: EPA 3660B
Cleanup Date: 04/11/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.5	3.80	1	A
Aroclor 1221	ND		ug/kg	33.5	5.10	1	A
Aroclor 1232	ND		ug/kg	33.5	3.29	1	A
Aroclor 1242	ND		ug/kg	33.5	4.10	1	A
Aroclor 1248	ND		ug/kg	33.5	3.76	1	A
Aroclor 1254	ND		ug/kg	33.5	2.73	1	A
Aroclor 1260	ND		ug/kg	33.5	3.50	1	A
Aroclor 1262	ND		ug/kg	33.5	2.75	1	A
Aroclor 1268	ND		ug/kg	33.5	2.37	1	A
PCBs, Total	ND		ug/kg	33.5	2.37	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	94		30-150	B

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-02
Client ID: SS-2
Sample Location: ORCHARD PARK, NY

Date Collected: 04/06/18 08:20
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 04/11/18 15:49
Analyst: WR
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 04/10/18 21:36
Cleanup Method: EPA 3665A
Cleanup Date: 04/11/18
Cleanup Method: EPA 3660B
Cleanup Date: 04/11/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.3	3.78	1	A
Aroclor 1221	ND		ug/kg	33.3	5.07	1	A
Aroclor 1232	ND		ug/kg	33.3	3.28	1	A
Aroclor 1242	ND		ug/kg	33.3	4.08	1	A
Aroclor 1248	ND		ug/kg	33.3	3.74	1	A
Aroclor 1254	ND		ug/kg	33.3	2.72	1	A
Aroclor 1260	ND		ug/kg	33.3	3.48	1	A
Aroclor 1262	ND		ug/kg	33.3	2.74	1	A
Aroclor 1268	ND		ug/kg	33.3	2.36	1	A
PCBs, Total	ND		ug/kg	33.3	2.36	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	90		30-150	B

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-03
Client ID: SS-3
Sample Location: ORCHARD PARK, NY

Date Collected: 04/06/18 08:22
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 04/11/18 16:03
Analyst: WR
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 04/10/18 21:36
Cleanup Method: EPA 3665A
Cleanup Date: 04/11/18
Cleanup Method: EPA 3660B
Cleanup Date: 04/11/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.1	3.86	1	A
Aroclor 1221	ND		ug/kg	34.1	5.19	1	A
Aroclor 1232	ND		ug/kg	34.1	3.35	1	A
Aroclor 1242	ND		ug/kg	34.1	4.17	1	A
Aroclor 1248	ND		ug/kg	34.1	3.82	1	A
Aroclor 1254	ND		ug/kg	34.1	2.78	1	A
Aroclor 1260	ND		ug/kg	34.1	3.56	1	A
Aroclor 1262	ND		ug/kg	34.1	2.80	1	A
Aroclor 1268	ND		ug/kg	34.1	2.41	1	A
PCBs, Total	ND		ug/kg	34.1	2.41	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	95		30-150	A
2,4,5,6-Tetrachloro-m-xylene	103		30-150	B
Decachlorobiphenyl	109		30-150	B

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-04
Client ID: SS-4
Sample Location: ORCHARD PARK, NY

Date Collected: 04/06/18 08:25
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 04/11/18 16:17
Analyst: WR
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 04/10/18 21:36
Cleanup Method: EPA 3665A
Cleanup Date: 04/11/18
Cleanup Method: EPA 3660B
Cleanup Date: 04/11/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.2	3.76	1	A
Aroclor 1221	ND		ug/kg	33.2	5.05	1	A
Aroclor 1232	ND		ug/kg	33.2	3.26	1	A
Aroclor 1242	ND		ug/kg	33.2	4.06	1	A
Aroclor 1248	ND		ug/kg	33.2	3.72	1	A
Aroclor 1254	ND		ug/kg	33.2	2.70	1	A
Aroclor 1260	ND		ug/kg	33.2	3.46	1	A
Aroclor 1262	ND		ug/kg	33.2	2.72	1	A
Aroclor 1268	ND		ug/kg	33.2	2.35	1	A
PCBs, Total	ND		ug/kg	33.2	2.35	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-05
Client ID: SS-5
Sample Location: ORCHARD PARK, NY

Date Collected: 04/06/18 08:29
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 04/11/18 16:31
Analyst: WR
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 04/10/18 21:36
Cleanup Method: EPA 3665A
Cleanup Date: 04/11/18
Cleanup Method: EPA 3660B
Cleanup Date: 04/11/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.2	3.88	1	A
Aroclor 1221	ND		ug/kg	34.2	5.21	1	A
Aroclor 1232	ND		ug/kg	34.2	3.37	1	A
Aroclor 1242	ND		ug/kg	34.2	4.19	1	A
Aroclor 1248	ND		ug/kg	34.2	3.84	1	A
Aroclor 1254	ND		ug/kg	34.2	2.79	1	A
Aroclor 1260	ND		ug/kg	34.2	3.57	1	A
Aroclor 1262	ND		ug/kg	34.2	2.81	1	A
Aroclor 1268	ND		ug/kg	34.2	2.42	1	A
PCBs, Total	ND		ug/kg	34.2	2.42	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	95		30-150	B
Decachlorobiphenyl	101		30-150	B

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-06
Client ID: B-1
Sample Location: ORCHARD PARK, NY

Date Collected: 04/06/18 09:30
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 04/11/18 16:45
Analyst: WR
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 04/10/18 21:36
Cleanup Method: EPA 3665A
Cleanup Date: 04/11/18
Cleanup Method: EPA 3660B
Cleanup Date: 04/11/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.8	3.94	1	A
Aroclor 1221	ND		ug/kg	34.8	5.29	1	A
Aroclor 1232	ND		ug/kg	34.8	3.42	1	A
Aroclor 1242	ND		ug/kg	34.8	4.26	1	A
Aroclor 1248	ND		ug/kg	34.8	3.90	1	A
Aroclor 1254	ND		ug/kg	34.8	2.84	1	A
Aroclor 1260	ND		ug/kg	34.8	3.63	1	A
Aroclor 1262	ND		ug/kg	34.8	2.86	1	A
Aroclor 1268	ND		ug/kg	34.8	2.46	1	A
PCBs, Total	ND		ug/kg	34.8	2.46	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-07
Client ID: B-2
Sample Location: ORCHARD PARK, NY

Date Collected: 04/06/18 09:50
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 04/11/18 16:59
Analyst: WR
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 04/10/18 21:36
Cleanup Method: EPA 3665A
Cleanup Date: 04/11/18
Cleanup Method: EPA 3660B
Cleanup Date: 04/11/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.1	4.32	1	A
Aroclor 1221	ND		ug/kg	38.1	5.80	1	A
Aroclor 1232	ND		ug/kg	38.1	3.75	1	A
Aroclor 1242	ND		ug/kg	38.1	4.67	1	A
Aroclor 1248	ND		ug/kg	38.1	4.28	1	A
Aroclor 1254	ND		ug/kg	38.1	3.11	1	A
Aroclor 1260	ND		ug/kg	38.1	3.98	1	A
Aroclor 1262	ND		ug/kg	38.1	3.13	1	A
Aroclor 1268	ND		ug/kg	38.1	2.70	1	A
PCBs, Total	ND		ug/kg	38.1	2.70	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-08
Client ID: B-3
Sample Location: ORCHARD PARK, NY

Date Collected: 04/06/18 10:10
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 04/11/18 17:13
Analyst: WR
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 04/10/18 21:36
Cleanup Method: EPA 3665A
Cleanup Date: 04/11/18
Cleanup Method: EPA 3660B
Cleanup Date: 04/11/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.0	4.08	1	A
Aroclor 1221	ND		ug/kg	36.0	5.48	1	A
Aroclor 1232	ND		ug/kg	36.0	3.54	1	A
Aroclor 1242	ND		ug/kg	36.0	4.41	1	A
Aroclor 1248	ND		ug/kg	36.0	4.04	1	A
Aroclor 1254	ND		ug/kg	36.0	2.94	1	A
Aroclor 1260	ND		ug/kg	36.0	3.76	1	A
Aroclor 1262	ND		ug/kg	36.0	2.96	1	A
Aroclor 1268	ND		ug/kg	36.0	2.55	1	A
PCBs, Total	ND		ug/kg	36.0	2.55	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	94		30-150	B

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 04/11/18 12:25
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 04/10/18 21:36
Cleanup Method: EPA 3665A
Cleanup Date: 04/11/18
Cleanup Method: EPA 3660B
Cleanup Date: 04/11/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-08 Batch: WG1105337-1						
Aroclor 1016	ND		ug/kg	31.4	3.57	A
Aroclor 1221	ND		ug/kg	31.4	4.79	A
Aroclor 1232	ND		ug/kg	31.4	3.09	A
Aroclor 1242	ND		ug/kg	31.4	3.85	A
Aroclor 1248	ND		ug/kg	31.4	3.53	A
Aroclor 1254	ND		ug/kg	31.4	2.57	A
Aroclor 1260	ND		ug/kg	31.4	3.28	A
Aroclor 1262	ND		ug/kg	31.4	2.58	A
Aroclor 1268	ND		ug/kg	31.4	2.23	A
PCBs, Total	ND		ug/kg	31.4	2.23	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	102		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	110		30-150	B
Decachlorobiphenyl	77		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: SOUTHWESTERN PHASE 2
Project Number: Not Specified

Lab Number: L1812163
Report Date: 04/16/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-08 Batch: WG1105337-2 WG1105337-3									
Aroclor 1016	107		104		40-140	3		50	A
Aroclor 1260	114		108		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	100		100		30-150	A
Decachlorobiphenyl	88		85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	100		105		30-150	B
Decachlorobiphenyl	73		75		30-150	B

METALS

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-01 Date Collected: 04/06/18 08:17

Client ID: SS-1 Date Received: 04/09/18

Sample Location: ORCHARD PARK, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	27600		mg/kg	8.09	2.18	2	04/10/18 19:50	04/11/18 19:52	EPA 3050B	1,6010C	LC
Antimony, Total	5.59		mg/kg	4.04	0.307	2	04/10/18 19:50	04/11/18 19:52	EPA 3050B	1,6010C	LC
Arsenic, Total	1.30		mg/kg	0.809	0.168	2	04/10/18 19:50	04/11/18 19:52	EPA 3050B	1,6010C	LC
Barium, Total	701		mg/kg	0.809	0.141	2	04/10/18 19:50	04/11/18 19:52	EPA 3050B	1,6010C	LC
Beryllium, Total	0.380	J	mg/kg	0.404	0.027	2	04/10/18 19:50	04/11/18 19:52	EPA 3050B	1,6010C	LC
Cadmium, Total	1.80		mg/kg	0.809	0.079	2	04/10/18 19:50	04/11/18 19:52	EPA 3050B	1,6010C	LC
Calcium, Total	36300		mg/kg	8.09	2.83	2	04/10/18 19:50	04/11/18 19:52	EPA 3050B	1,6010C	LC
Chromium, Total	272		mg/kg	0.809	0.078	2	04/10/18 19:50	04/11/18 19:52	EPA 3050B	1,6010C	LC
Cobalt, Total	12.1		mg/kg	1.62	0.134	2	04/10/18 19:50	04/11/18 19:52	EPA 3050B	1,6010C	LC
Copper, Total	961		mg/kg	0.809	0.209	2	04/10/18 19:50	04/11/18 19:52	EPA 3050B	1,6010C	LC
Iron, Total	166000		mg/kg	40.4	7.31	20	04/10/18 19:50	04/12/18 16:44	EPA 3050B	1,6010C	LC
Lead, Total	206		mg/kg	4.04	0.217	2	04/10/18 19:50	04/11/18 19:52	EPA 3050B	1,6010C	LC
Magnesium, Total	5070		mg/kg	8.09	1.25	2	04/10/18 19:50	04/11/18 19:52	EPA 3050B	1,6010C	LC
Manganese, Total	1170		mg/kg	0.809	0.129	2	04/10/18 19:50	04/11/18 19:52	EPA 3050B	1,6010C	LC
Mercury, Total	ND		mg/kg	0.065	0.014	1	04/11/18 07:00	04/11/18 18:21	EPA 7471B	1,7471B	EA
Nickel, Total	28.7		mg/kg	2.02	0.196	2	04/10/18 19:50	04/11/18 19:52	EPA 3050B	1,6010C	LC
Potassium, Total	4450		mg/kg	202	11.6	2	04/10/18 19:50	04/11/18 19:52	EPA 3050B	1,6010C	LC
Selenium, Total	ND		mg/kg	1.62	0.209	2	04/10/18 19:50	04/11/18 19:52	EPA 3050B	1,6010C	LC
Silver, Total	1.24		mg/kg	0.809	0.229	2	04/10/18 19:50	04/11/18 19:52	EPA 3050B	1,6010C	LC
Sodium, Total	32400		mg/kg	162	2.55	2	04/10/18 19:50	04/11/18 19:52	EPA 3050B	1,6010C	LC
Thallium, Total	0.348	J	mg/kg	1.62	0.255	2	04/10/18 19:50	04/11/18 19:52	EPA 3050B	1,6010C	LC
Vanadium, Total	14.1		mg/kg	0.809	0.164	2	04/10/18 19:50	04/11/18 19:52	EPA 3050B	1,6010C	LC
Zinc, Total	733		mg/kg	4.04	0.237	2	04/10/18 19:50	04/11/18 19:52	EPA 3050B	1,6010C	LC

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-02 Date Collected: 04/06/18 08:20

Client ID: SS-2 Date Received: 04/09/18

Sample Location: ORCHARD PARK, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	27600		mg/kg	8.32	2.25	2	04/10/18 19:50	04/11/18 19:57	EPA 3050B	1,6010C	LC
Antimony, Total	8.51		mg/kg	4.16	0.316	2	04/10/18 19:50	04/11/18 19:57	EPA 3050B	1,6010C	LC
Arsenic, Total	1.02		mg/kg	0.832	0.173	2	04/10/18 19:50	04/11/18 19:57	EPA 3050B	1,6010C	LC
Barium, Total	702		mg/kg	0.832	0.145	2	04/10/18 19:50	04/11/18 19:57	EPA 3050B	1,6010C	LC
Beryllium, Total	0.416		mg/kg	0.416	0.028	2	04/10/18 19:50	04/11/18 19:57	EPA 3050B	1,6010C	LC
Cadmium, Total	1.89		mg/kg	0.832	0.082	2	04/10/18 19:50	04/11/18 19:57	EPA 3050B	1,6010C	LC
Calcium, Total	36100		mg/kg	8.32	2.91	2	04/10/18 19:50	04/11/18 19:57	EPA 3050B	1,6010C	LC
Chromium, Total	286		mg/kg	0.832	0.080	2	04/10/18 19:50	04/11/18 19:57	EPA 3050B	1,6010C	LC
Cobalt, Total	9.03		mg/kg	1.66	0.138	2	04/10/18 19:50	04/11/18 19:57	EPA 3050B	1,6010C	LC
Copper, Total	1010		mg/kg	0.832	0.215	2	04/10/18 19:50	04/11/18 19:57	EPA 3050B	1,6010C	LC
Iron, Total	163000		mg/kg	41.6	7.52	20	04/10/18 19:50	04/12/18 16:49	EPA 3050B	1,6010C	LC
Lead, Total	446		mg/kg	4.16	0.223	2	04/10/18 19:50	04/11/18 19:57	EPA 3050B	1,6010C	LC
Magnesium, Total	5150		mg/kg	8.32	1.28	2	04/10/18 19:50	04/11/18 19:57	EPA 3050B	1,6010C	LC
Manganese, Total	1190		mg/kg	0.832	0.132	2	04/10/18 19:50	04/11/18 19:57	EPA 3050B	1,6010C	LC
Mercury, Total	ND		mg/kg	0.066	0.014	1	04/11/18 07:00	04/11/18 18:23	EPA 7471B	1,7471B	EA
Nickel, Total	21.8		mg/kg	2.08	0.201	2	04/10/18 19:50	04/11/18 19:57	EPA 3050B	1,6010C	LC
Potassium, Total	4410		mg/kg	208	12.0	2	04/10/18 19:50	04/11/18 19:57	EPA 3050B	1,6010C	LC
Selenium, Total	ND		mg/kg	1.66	0.215	2	04/10/18 19:50	04/11/18 19:57	EPA 3050B	1,6010C	LC
Silver, Total	1.45		mg/kg	0.832	0.236	2	04/10/18 19:50	04/11/18 19:57	EPA 3050B	1,6010C	LC
Sodium, Total	33900		mg/kg	166	2.62	2	04/10/18 19:50	04/11/18 19:57	EPA 3050B	1,6010C	LC
Thallium, Total	0.374	J	mg/kg	1.66	0.262	2	04/10/18 19:50	04/11/18 19:57	EPA 3050B	1,6010C	LC
Vanadium, Total	14.4		mg/kg	0.832	0.169	2	04/10/18 19:50	04/11/18 19:57	EPA 3050B	1,6010C	LC
Zinc, Total	740		mg/kg	4.16	0.244	2	04/10/18 19:50	04/11/18 19:57	EPA 3050B	1,6010C	LC

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-03 Date Collected: 04/06/18 08:22

Client ID: SS-3 Date Received: 04/09/18

Sample Location: ORCHARD PARK, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	24600		mg/kg	8.32	2.25	2	04/10/18 19:50	04/11/18 20:02	EPA 3050B	1,6010C	LC
Antimony, Total	4.97		mg/kg	4.16	0.316	2	04/10/18 19:50	04/11/18 20:02	EPA 3050B	1,6010C	LC
Arsenic, Total	1.93		mg/kg	0.832	0.173	2	04/10/18 19:50	04/11/18 20:02	EPA 3050B	1,6010C	LC
Barium, Total	617		mg/kg	0.832	0.145	2	04/10/18 19:50	04/11/18 20:02	EPA 3050B	1,6010C	LC
Beryllium, Total	0.333	J	mg/kg	0.416	0.028	2	04/10/18 19:50	04/11/18 20:02	EPA 3050B	1,6010C	LC
Cadmium, Total	2.14		mg/kg	0.832	0.082	2	04/10/18 19:50	04/11/18 20:02	EPA 3050B	1,6010C	LC
Calcium, Total	32300		mg/kg	8.32	2.91	2	04/10/18 19:50	04/11/18 20:02	EPA 3050B	1,6010C	LC
Chromium, Total	308		mg/kg	0.832	0.080	2	04/10/18 19:50	04/11/18 20:02	EPA 3050B	1,6010C	LC
Cobalt, Total	14.3		mg/kg	1.66	0.138	2	04/10/18 19:50	04/11/18 20:02	EPA 3050B	1,6010C	LC
Copper, Total	1110		mg/kg	0.832	0.215	2	04/10/18 19:50	04/11/18 20:02	EPA 3050B	1,6010C	LC
Iron, Total	168000		mg/kg	41.6	7.52	20	04/10/18 19:50	04/12/18 16:54	EPA 3050B	1,6010C	LC
Lead, Total	184		mg/kg	4.16	0.223	2	04/10/18 19:50	04/11/18 20:02	EPA 3050B	1,6010C	LC
Magnesium, Total	4680		mg/kg	8.32	1.28	2	04/10/18 19:50	04/11/18 20:02	EPA 3050B	1,6010C	LC
Manganese, Total	946		mg/kg	0.832	0.132	2	04/10/18 19:50	04/11/18 20:02	EPA 3050B	1,6010C	LC
Mercury, Total	ND		mg/kg	0.068	0.014	1	04/11/18 07:00	04/11/18 18:25	EPA 7471B	1,7471B	EA
Nickel, Total	45.0		mg/kg	2.08	0.201	2	04/10/18 19:50	04/11/18 20:02	EPA 3050B	1,6010C	LC
Potassium, Total	3350		mg/kg	208	12.0	2	04/10/18 19:50	04/11/18 20:02	EPA 3050B	1,6010C	LC
Selenium, Total	ND		mg/kg	1.66	0.215	2	04/10/18 19:50	04/11/18 20:02	EPA 3050B	1,6010C	LC
Silver, Total	1.80		mg/kg	0.832	0.236	2	04/10/18 19:50	04/11/18 20:02	EPA 3050B	1,6010C	LC
Sodium, Total	27700		mg/kg	166	2.62	2	04/10/18 19:50	04/11/18 20:02	EPA 3050B	1,6010C	LC
Thallium, Total	ND		mg/kg	1.66	0.262	2	04/10/18 19:50	04/11/18 20:02	EPA 3050B	1,6010C	LC
Vanadium, Total	12.8		mg/kg	0.832	0.169	2	04/10/18 19:50	04/11/18 20:02	EPA 3050B	1,6010C	LC
Zinc, Total	546		mg/kg	4.16	0.244	2	04/10/18 19:50	04/11/18 20:02	EPA 3050B	1,6010C	LC

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-04 Date Collected: 04/06/18 08:25

Client ID: SS-4 Date Received: 04/09/18

Sample Location: ORCHARD PARK, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	26600		mg/kg	8.16	2.20	2	04/10/18 19:50	04/11/18 20:07	EPA 3050B	1,6010C	LC
Antimony, Total	5.77		mg/kg	4.08	0.310	2	04/10/18 19:50	04/11/18 20:07	EPA 3050B	1,6010C	LC
Arsenic, Total	1.28		mg/kg	0.816	0.170	2	04/10/18 19:50	04/11/18 20:07	EPA 3050B	1,6010C	LC
Barium, Total	608		mg/kg	0.816	0.142	2	04/10/18 19:50	04/11/18 20:07	EPA 3050B	1,6010C	LC
Beryllium, Total	0.432		mg/kg	0.408	0.027	2	04/10/18 19:50	04/11/18 20:07	EPA 3050B	1,6010C	LC
Cadmium, Total	2.48		mg/kg	0.816	0.080	2	04/10/18 19:50	04/11/18 20:07	EPA 3050B	1,6010C	LC
Calcium, Total	34700		mg/kg	8.16	2.86	2	04/10/18 19:50	04/11/18 20:07	EPA 3050B	1,6010C	LC
Chromium, Total	340		mg/kg	0.816	0.078	2	04/10/18 19:50	04/11/18 20:07	EPA 3050B	1,6010C	LC
Cobalt, Total	11.5		mg/kg	1.63	0.135	2	04/10/18 19:50	04/11/18 20:07	EPA 3050B	1,6010C	LC
Copper, Total	1130		mg/kg	0.816	0.210	2	04/10/18 19:50	04/11/18 20:07	EPA 3050B	1,6010C	LC
Iron, Total	198000		mg/kg	40.8	7.37	20	04/10/18 19:50	04/12/18 16:58	EPA 3050B	1,6010C	LC
Lead, Total	308		mg/kg	4.08	0.219	2	04/10/18 19:50	04/11/18 20:07	EPA 3050B	1,6010C	LC
Magnesium, Total	5260		mg/kg	8.16	1.26	2	04/10/18 19:50	04/11/18 20:07	EPA 3050B	1,6010C	LC
Manganese, Total	986		mg/kg	0.816	0.130	2	04/10/18 19:50	04/11/18 20:07	EPA 3050B	1,6010C	LC
Mercury, Total	ND		mg/kg	0.066	0.014	1	04/11/18 07:00	04/11/18 18:27	EPA 7471B	1,7471B	EA
Nickel, Total	28.5		mg/kg	2.04	0.198	2	04/10/18 19:50	04/11/18 20:07	EPA 3050B	1,6010C	LC
Potassium, Total	4090		mg/kg	204	11.8	2	04/10/18 19:50	04/11/18 20:07	EPA 3050B	1,6010C	LC
Selenium, Total	3.35	J	mg/kg	4.08	0.526	5	04/10/18 19:50	04/13/18 12:10	EPA 3050B	1,6010C	LC
Silver, Total	1.62		mg/kg	0.816	0.231	2	04/10/18 19:50	04/11/18 20:07	EPA 3050B	1,6010C	LC
Sodium, Total	31200		mg/kg	163	2.57	2	04/10/18 19:50	04/11/18 20:07	EPA 3050B	1,6010C	LC
Thallium, Total	0.604	J	mg/kg	1.63	0.257	2	04/10/18 19:50	04/11/18 20:07	EPA 3050B	1,6010C	LC
Vanadium, Total	17.6		mg/kg	0.816	0.166	2	04/10/18 19:50	04/11/18 20:07	EPA 3050B	1,6010C	LC
Zinc, Total	885		mg/kg	4.08	0.239	2	04/10/18 19:50	04/11/18 20:07	EPA 3050B	1,6010C	LC

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-05 Date Collected: 04/06/18 08:29

Client ID: SS-5 Date Received: 04/09/18

Sample Location: ORCHARD PARK, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	26200		mg/kg	8.05	2.17	2	04/10/18 19:50	04/11/18 20:12	EPA 3050B	1,6010C	LC
Antimony, Total	4.74		mg/kg	4.02	0.306	2	04/10/18 19:50	04/11/18 20:12	EPA 3050B	1,6010C	LC
Arsenic, Total	1.33		mg/kg	0.805	0.167	2	04/10/18 19:50	04/11/18 20:12	EPA 3050B	1,6010C	LC
Barium, Total	779		mg/kg	0.805	0.140	2	04/10/18 19:50	04/11/18 20:12	EPA 3050B	1,6010C	LC
Beryllium, Total	0.346	J	mg/kg	0.402	0.027	2	04/10/18 19:50	04/11/18 20:12	EPA 3050B	1,6010C	LC
Cadmium, Total	2.45		mg/kg	0.805	0.079	2	04/10/18 19:50	04/11/18 20:12	EPA 3050B	1,6010C	LC
Calcium, Total	36100		mg/kg	8.05	2.82	2	04/10/18 19:50	04/11/18 20:12	EPA 3050B	1,6010C	LC
Chromium, Total	322		mg/kg	0.805	0.077	2	04/10/18 19:50	04/11/18 20:12	EPA 3050B	1,6010C	LC
Cobalt, Total	12.7		mg/kg	1.61	0.134	2	04/10/18 19:50	04/11/18 20:12	EPA 3050B	1,6010C	LC
Copper, Total	1050		mg/kg	0.805	0.208	2	04/10/18 19:50	04/11/18 20:12	EPA 3050B	1,6010C	LC
Iron, Total	185000		mg/kg	40.2	7.26	20	04/10/18 19:50	04/12/18 17:03	EPA 3050B	1,6010C	LC
Lead, Total	214		mg/kg	4.02	0.216	2	04/10/18 19:50	04/11/18 20:12	EPA 3050B	1,6010C	LC
Magnesium, Total	5310		mg/kg	8.05	1.24	2	04/10/18 19:50	04/11/18 20:12	EPA 3050B	1,6010C	LC
Manganese, Total	1110		mg/kg	0.805	0.128	2	04/10/18 19:50	04/11/18 20:12	EPA 3050B	1,6010C	LC
Mercury, Total	0.022	J	mg/kg	0.066	0.014	1	04/11/18 07:00	04/11/18 18:32	EPA 7471B	1,7471B	EA
Nickel, Total	29.2		mg/kg	2.01	0.195	2	04/10/18 19:50	04/11/18 20:12	EPA 3050B	1,6010C	LC
Potassium, Total	4090		mg/kg	201	11.6	2	04/10/18 19:50	04/11/18 20:12	EPA 3050B	1,6010C	LC
Selenium, Total	3.10	J	mg/kg	4.02	0.519	5	04/10/18 19:50	04/13/18 12:14	EPA 3050B	1,6010C	LC
Silver, Total	2.20		mg/kg	0.805	0.228	2	04/10/18 19:50	04/11/18 20:12	EPA 3050B	1,6010C	LC
Sodium, Total	33800		mg/kg	161	2.53	2	04/10/18 19:50	04/11/18 20:12	EPA 3050B	1,6010C	LC
Thallium, Total	0.628	J	mg/kg	1.61	0.253	2	04/10/18 19:50	04/11/18 20:12	EPA 3050B	1,6010C	LC
Vanadium, Total	17.5		mg/kg	0.805	0.163	2	04/10/18 19:50	04/11/18 20:12	EPA 3050B	1,6010C	LC
Zinc, Total	919		mg/kg	4.02	0.236	2	04/10/18 19:50	04/11/18 20:12	EPA 3050B	1,6010C	LC

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-06 Date Collected: 04/06/18 09:30

Client ID: B-1 Date Received: 04/09/18

Sample Location: ORCHARD PARK, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5430		mg/kg	8.26	2.23	2	04/10/18 19:50	04/11/18 20:17	EPA 3050B	1,6010C	LC
Antimony, Total	0.719	J	mg/kg	4.13	0.314	2	04/10/18 19:50	04/11/18 20:17	EPA 3050B	1,6010C	LC
Arsenic, Total	5.19		mg/kg	0.826	0.172	2	04/10/18 19:50	04/11/18 20:17	EPA 3050B	1,6010C	LC
Barium, Total	25.5		mg/kg	0.826	0.144	2	04/10/18 19:50	04/11/18 20:17	EPA 3050B	1,6010C	LC
Beryllium, Total	0.289	J	mg/kg	0.413	0.027	2	04/10/18 19:50	04/11/18 20:17	EPA 3050B	1,6010C	LC
Cadmium, Total	0.289	J	mg/kg	0.826	0.081	2	04/10/18 19:50	04/11/18 20:17	EPA 3050B	1,6010C	LC
Calcium, Total	41400		mg/kg	8.26	2.89	2	04/10/18 19:50	04/11/18 20:17	EPA 3050B	1,6010C	LC
Chromium, Total	10.1		mg/kg	0.826	0.079	2	04/10/18 19:50	04/11/18 20:17	EPA 3050B	1,6010C	LC
Cobalt, Total	6.57		mg/kg	1.65	0.137	2	04/10/18 19:50	04/11/18 20:17	EPA 3050B	1,6010C	LC
Copper, Total	24.4		mg/kg	0.826	0.213	2	04/10/18 19:50	04/11/18 20:17	EPA 3050B	1,6010C	LC
Iron, Total	14600		mg/kg	4.13	0.746	2	04/10/18 19:50	04/11/18 20:17	EPA 3050B	1,6010C	LC
Lead, Total	8.31		mg/kg	4.13	0.222	2	04/10/18 19:50	04/11/18 20:17	EPA 3050B	1,6010C	LC
Magnesium, Total	10800		mg/kg	8.26	1.27	2	04/10/18 19:50	04/11/18 20:17	EPA 3050B	1,6010C	LC
Manganese, Total	310		mg/kg	0.826	0.131	2	04/10/18 19:50	04/11/18 20:17	EPA 3050B	1,6010C	LC
Mercury, Total	0.026	J	mg/kg	0.068	0.014	1	04/11/18 07:00	04/11/18 18:34	EPA 7471B	1,7471B	EA
Nickel, Total	18.5		mg/kg	2.07	0.200	2	04/10/18 19:50	04/11/18 20:17	EPA 3050B	1,6010C	LC
Potassium, Total	460		mg/kg	207	11.9	2	04/10/18 19:50	04/11/18 20:17	EPA 3050B	1,6010C	LC
Selenium, Total	ND		mg/kg	1.65	0.213	2	04/10/18 19:50	04/11/18 20:17	EPA 3050B	1,6010C	LC
Silver, Total	ND		mg/kg	0.826	0.234	2	04/10/18 19:50	04/11/18 20:17	EPA 3050B	1,6010C	LC
Sodium, Total	124	J	mg/kg	165	2.60	2	04/10/18 19:50	04/11/18 20:17	EPA 3050B	1,6010C	LC
Thallium, Total	ND		mg/kg	1.65	0.260	2	04/10/18 19:50	04/11/18 20:17	EPA 3050B	1,6010C	LC
Vanadium, Total	11.0		mg/kg	0.826	0.168	2	04/10/18 19:50	04/11/18 20:17	EPA 3050B	1,6010C	LC
Zinc, Total	55.4		mg/kg	4.13	0.242	2	04/10/18 19:50	04/11/18 20:17	EPA 3050B	1,6010C	LC

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-07 Date Collected: 04/06/18 09:50

Client ID: B-2 Date Received: 04/09/18

Sample Location: ORCHARD PARK, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	9260		mg/kg	8.72	2.35	2	04/10/18 19:50	04/11/18 20:22	EPA 3050B	1,6010C	LC
Antimony, Total	0.933	J	mg/kg	4.36	0.331	2	04/10/18 19:50	04/11/18 20:22	EPA 3050B	1,6010C	LC
Arsenic, Total	2.82		mg/kg	0.872	0.181	2	04/10/18 19:50	04/11/18 20:22	EPA 3050B	1,6010C	LC
Barium, Total	36.7		mg/kg	0.872	0.152	2	04/10/18 19:50	04/11/18 20:22	EPA 3050B	1,6010C	LC
Beryllium, Total	0.410	J	mg/kg	0.436	0.029	2	04/10/18 19:50	04/11/18 20:22	EPA 3050B	1,6010C	LC
Cadmium, Total	0.288	J	mg/kg	0.872	0.086	2	04/10/18 19:50	04/11/18 20:22	EPA 3050B	1,6010C	LC
Calcium, Total	88500		mg/kg	87.2	30.5	20	04/10/18 19:50	04/12/18 17:08	EPA 3050B	1,6010C	LC
Chromium, Total	17.0		mg/kg	0.872	0.084	2	04/10/18 19:50	04/11/18 20:22	EPA 3050B	1,6010C	LC
Cobalt, Total	10.8		mg/kg	1.74	0.145	2	04/10/18 19:50	04/11/18 20:22	EPA 3050B	1,6010C	LC
Copper, Total	48.5		mg/kg	0.872	0.225	2	04/10/18 19:50	04/11/18 20:22	EPA 3050B	1,6010C	LC
Iron, Total	23000		mg/kg	4.36	0.788	2	04/10/18 19:50	04/11/18 20:22	EPA 3050B	1,6010C	LC
Lead, Total	8.04		mg/kg	4.36	0.234	2	04/10/18 19:50	04/11/18 20:22	EPA 3050B	1,6010C	LC
Magnesium, Total	5920		mg/kg	8.72	1.34	2	04/10/18 19:50	04/11/18 20:22	EPA 3050B	1,6010C	LC
Manganese, Total	358		mg/kg	0.872	0.139	2	04/10/18 19:50	04/11/18 20:22	EPA 3050B	1,6010C	LC
Mercury, Total	0.039	J	mg/kg	0.072	0.015	1	04/11/18 07:00	04/11/18 18:36	EPA 7471B	1,7471B	EA
Nickel, Total	35.4		mg/kg	2.18	0.211	2	04/10/18 19:50	04/11/18 20:22	EPA 3050B	1,6010C	LC
Potassium, Total	560		mg/kg	218	12.6	2	04/10/18 19:50	04/11/18 20:22	EPA 3050B	1,6010C	LC
Selenium, Total	ND		mg/kg	1.74	0.225	2	04/10/18 19:50	04/11/18 20:22	EPA 3050B	1,6010C	LC
Silver, Total	ND		mg/kg	0.872	0.247	2	04/10/18 19:50	04/11/18 20:22	EPA 3050B	1,6010C	LC
Sodium, Total	127	J	mg/kg	174	2.75	2	04/10/18 19:50	04/11/18 20:22	EPA 3050B	1,6010C	LC
Thallium, Total	ND		mg/kg	1.74	0.275	2	04/10/18 19:50	04/11/18 20:22	EPA 3050B	1,6010C	LC
Vanadium, Total	13.9		mg/kg	0.872	0.177	2	04/10/18 19:50	04/11/18 20:22	EPA 3050B	1,6010C	LC
Zinc, Total	50.6		mg/kg	4.36	0.256	2	04/10/18 19:50	04/11/18 20:22	EPA 3050B	1,6010C	LC

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-08 Date Collected: 04/06/18 10:10

Client ID: B-3 Date Received: 04/09/18

Sample Location: ORCHARD PARK, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5630		mg/kg	8.48	2.29	2	04/10/18 19:50	04/11/18 20:50	EPA 3050B	1,6010C	LC
Antimony, Total	1.69	J	mg/kg	4.24	0.322	2	04/10/18 19:50	04/11/18 20:50	EPA 3050B	1,6010C	LC
Arsenic, Total	11.3		mg/kg	0.848	0.176	2	04/10/18 19:50	04/11/18 20:50	EPA 3050B	1,6010C	LC
Barium, Total	21.1		mg/kg	0.848	0.148	2	04/10/18 19:50	04/11/18 20:50	EPA 3050B	1,6010C	LC
Beryllium, Total	0.271	J	mg/kg	0.424	0.028	2	04/10/18 19:50	04/11/18 20:50	EPA 3050B	1,6010C	LC
Cadmium, Total	0.271	J	mg/kg	0.848	0.083	2	04/10/18 19:50	04/11/18 20:50	EPA 3050B	1,6010C	LC
Calcium, Total	104000		mg/kg	84.8	29.7	20	04/10/18 19:50	04/12/18 17:42	EPA 3050B	1,6010C	LC
Chromium, Total	11.1		mg/kg	0.848	0.081	2	04/10/18 19:50	04/11/18 20:50	EPA 3050B	1,6010C	LC
Cobalt, Total	26.4		mg/kg	1.70	0.141	2	04/10/18 19:50	04/11/18 20:50	EPA 3050B	1,6010C	LC
Copper, Total	48.3		mg/kg	0.848	0.219	2	04/10/18 19:50	04/11/18 20:50	EPA 3050B	1,6010C	LC
Iron, Total	19100		mg/kg	4.24	0.766	2	04/10/18 19:50	04/11/18 20:50	EPA 3050B	1,6010C	LC
Lead, Total	26.1		mg/kg	4.24	0.227	2	04/10/18 19:50	04/11/18 20:50	EPA 3050B	1,6010C	LC
Magnesium, Total	5880		mg/kg	8.48	1.31	2	04/10/18 19:50	04/11/18 20:50	EPA 3050B	1,6010C	LC
Manganese, Total	300		mg/kg	0.848	0.135	2	04/10/18 19:50	04/11/18 20:50	EPA 3050B	1,6010C	LC
Mercury, Total	0.035	J	mg/kg	0.070	0.015	1	04/11/18 07:00	04/11/18 18:38	EPA 7471B	1,7471B	EA
Nickel, Total	45.7		mg/kg	2.12	0.205	2	04/10/18 19:50	04/11/18 20:50	EPA 3050B	1,6010C	LC
Potassium, Total	523		mg/kg	212	12.2	2	04/10/18 19:50	04/11/18 20:50	EPA 3050B	1,6010C	LC
Selenium, Total	0.568	J	mg/kg	1.70	0.219	2	04/10/18 19:50	04/11/18 20:50	EPA 3050B	1,6010C	LC
Silver, Total	ND		mg/kg	0.848	0.240	2	04/10/18 19:50	04/11/18 20:50	EPA 3050B	1,6010C	LC
Sodium, Total	116	J	mg/kg	170	2.67	2	04/10/18 19:50	04/11/18 20:50	EPA 3050B	1,6010C	LC
Thallium, Total	ND		mg/kg	1.70	0.267	2	04/10/18 19:50	04/11/18 20:50	EPA 3050B	1,6010C	LC
Vanadium, Total	11.6		mg/kg	0.848	0.172	2	04/10/18 19:50	04/11/18 20:50	EPA 3050B	1,6010C	LC
Zinc, Total	32.5		mg/kg	4.24	0.248	2	04/10/18 19:50	04/11/18 20:50	EPA 3050B	1,6010C	LC

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-08 Batch: WG1105285-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	04/10/18 19:50	04/11/18 18:46	1,6010C	LC
Antimony, Total	ND		mg/kg	2.00	0.152	1	04/10/18 19:50	04/11/18 18:46	1,6010C	LC
Arsenic, Total	ND		mg/kg	0.400	0.083	1	04/10/18 19:50	04/11/18 18:46	1,6010C	LC
Barium, Total	ND		mg/kg	0.400	0.070	1	04/10/18 19:50	04/11/18 18:46	1,6010C	LC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	04/10/18 19:50	04/11/18 18:46	1,6010C	LC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	04/10/18 19:50	04/11/18 18:46	1,6010C	LC
Calcium, Total	ND		mg/kg	4.00	1.40	1	04/10/18 19:50	04/11/18 18:46	1,6010C	LC
Chromium, Total	ND		mg/kg	0.400	0.038	1	04/10/18 19:50	04/11/18 18:46	1,6010C	LC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	04/10/18 19:50	04/11/18 18:46	1,6010C	LC
Copper, Total	ND		mg/kg	0.400	0.103	1	04/10/18 19:50	04/11/18 18:46	1,6010C	LC
Iron, Total	ND		mg/kg	2.00	0.361	1	04/10/18 19:50	04/11/18 18:46	1,6010C	LC
Lead, Total	ND		mg/kg	2.00	0.107	1	04/10/18 19:50	04/11/18 18:46	1,6010C	LC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	04/10/18 19:50	04/11/18 18:46	1,6010C	LC
Manganese, Total	ND		mg/kg	0.400	0.064	1	04/10/18 19:50	04/11/18 18:46	1,6010C	LC
Nickel, Total	ND		mg/kg	1.00	0.097	1	04/10/18 19:50	04/11/18 18:46	1,6010C	LC
Potassium, Total	ND		mg/kg	100	5.76	1	04/10/18 19:50	04/11/18 18:46	1,6010C	LC
Selenium, Total	ND		mg/kg	0.800	0.103	1	04/10/18 19:50	04/11/18 18:46	1,6010C	LC
Silver, Total	ND		mg/kg	0.400	0.113	1	04/10/18 19:50	04/11/18 18:46	1,6010C	LC
Sodium, Total	ND		mg/kg	80.0	1.26	1	04/10/18 19:50	04/11/18 18:46	1,6010C	LC
Thallium, Total	ND		mg/kg	0.800	0.126	1	04/10/18 19:50	04/11/18 18:46	1,6010C	LC
Vanadium, Total	ND		mg/kg	0.400	0.081	1	04/10/18 19:50	04/11/18 18:46	1,6010C	LC
Zinc, Total	ND		mg/kg	2.00	0.117	1	04/10/18 19:50	04/11/18 18:46	1,6010C	LC

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-08 Batch: WG1105388-1										
Mercury, Total	ND		mg/kg	0.083	0.018	1	04/11/18 07:00	04/11/18 18:10	1,7471B	EA

Project Name: SOUTHWESTERN PHASE 2 **Lab Number:** L1812163

Project Number: Not Specified **Report Date:** 04/16/18

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SOUTHWESTERN PHASE 2

Project Number: Not Specified

Lab Number: L1812163

Report Date: 04/16/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1105285-2 SRM Lot Number: D098-540								
Aluminum, Total	59		-		47-153	-		
Antimony, Total	148		-		6-194	-		
Arsenic, Total	90		-		83-117	-		
Barium, Total	88		-		82-118	-		
Beryllium, Total	84		-		83-117	-		
Cadmium, Total	99		-		82-117	-		
Calcium, Total	91		-		81-118	-		
Chromium, Total	88		-		83-119	-		
Cobalt, Total	101		-		84-116	-		
Copper, Total	90		-		84-116	-		
Iron, Total	75		-		60-140	-		
Lead, Total	86		-		82-117	-		
Magnesium, Total	77		-		76-124	-		
Manganese, Total	89		-		82-118	-		
Nickel, Total	99		-		82-117	-		
Potassium, Total	70		-		69-131	-		
Selenium, Total	95		-		78-121	-		
Silver, Total	89		-		80-120	-		
Sodium, Total	93		-		74-126	-		
Thallium, Total	85		-		80-119	-		
Vanadium, Total	85		-		79-121	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: SOUTHWESTERN PHASE 2

Project Number: Not Specified

Lab Number: L1812163

Report Date: 04/16/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1105285-2 SRM Lot Number: D098-540					
Zinc, Total	87	-	81-119	-	
Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1105388-2 SRM Lot Number: D098-540					
Mercury, Total	112	-	50-149	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: SOUTHWESTERN PHASE 2
Project Number: Not Specified

Lab Number: L1812163
Report Date: 04/16/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1105285-3 QC Sample: L1810464-05 Client ID: MS Sample												
Aluminum, Total	3720	183	3830	**60**	Q	-	-		75-125	-		20
Antimony, Total	0.758J	45.7	43.4	95		-	-		75-125	-		20
Arsenic, Total	2.40	11	13.1	98		-	-		75-125	-		20
Barium, Total	22.8	183	192	93		-	-		75-125	-		20
Beryllium, Total	0.238J	4.57	4.48	98		-	-		75-125	-		20
Cadmium, Total	0.141J	4.66	4.72	101		-	-		75-125	-		20
Calcium, Total	1540	913	2340	88		-	-		75-125	-		20
Chromium, Total	9.51	18.3	26.4	92		-	-		75-125	-		20
Cobalt, Total	2.69	45.7	44.6	92		-	-		75-125	-		20
Copper, Total	13.2	22.8	35.8	99		-	-		75-125	-		20
Iron, Total	7020	91.3	6930	**0**	Q	-	-		75-125	-		20
Lead, Total	30.4	46.6	70.7	86		-	-		75-125	-		20
Magnesium, Total	2050	913	2330	**31**	Q	-	-		75-125	-		20
Manganese, Total	95.0	45.7	116	**46**	Q	-	-		75-125	-		20
Nickel, Total	5.61	45.7	46.8	90		-	-		75-125	-		20
Potassium, Total	969.	913	1700	80		-	-		75-125	-		20
Selenium, Total	ND	11	10.5	96		-	-		75-125	-		20
Silver, Total	ND	27.4	26.6	97		-	-		75-125	-		20
Sodium, Total	169.J	913	1070	117		-	-		75-125	-		20
Thallium, Total	ND	11	9.77	89		-	-		75-125	-		20
Vanadium, Total	16.3	45.7	58.2	92		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: SOUTHWESTERN PHASE 2
Project Number: Not Specified

Lab Number: L1812163
Report Date: 04/16/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1105285-3 QC Sample: L1810464-05 Client ID: MS Sample												
Zinc, Total	136.	45.7	170	**74**	Q	-	-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1105388-3 WG1105388-4 QC Sample: L1812198-11 Client ID: MS Sample												
Mercury, Total	0.188	0.14	0.366	**127**	Q	0.290	**72**	Q	80-120	**23**	Q	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: SOUTHWESTERN PHASE 2
Project Number: Not Specified

Lab Number: L1812163
Report Date: 04/16/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1105285-4 QC Sample: L1810464-05 Client ID: DUP Sample						
Aluminum, Total	3720	3980	mg/kg	7		20
Antimony, Total	0.758J	0.618J	mg/kg	NC		20
Arsenic, Total	2.40	2.79	mg/kg	15		20
Barium, Total	22.8	19.0	mg/kg	18		20
Beryllium, Total	0.238J	0.218J	mg/kg	NC		20
Cadmium, Total	0.141J	0.118J	mg/kg	NC		20
Calcium, Total	1540	1330	mg/kg	15		20
Chromium, Total	9.51	11.5	mg/kg	19		20
Cobalt, Total	2.69	3.94	mg/kg	**38**	Q	20
Copper, Total	13.2	18.4	mg/kg	**33**	Q	20
Iron, Total	7020	8410	mg/kg	18		20
Lead, Total	30.4	42.0	mg/kg	**32**	Q	20
Magnesium, Total	2050	2250	mg/kg	9		20
Manganese, Total	95.0	97.8	mg/kg	3		20
Nickel, Total	5.61	6.03	mg/kg	7		20
Potassium, Total	969.	1310	mg/kg	**30**	Q	20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	169.J	150J	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: SOUTHWESTERN PHASE 2
Project Number: Not Specified

Lab Number: L1812163
Report Date: 04/16/18

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1105285-4 QC Sample: L1810464-05 Client ID: DUP Sample						
Thallium, Total	ND	ND	mg/kg	NC		20
Vanadium, Total	16.3	17.1	mg/kg	5		20
Zinc, Total	136.	182	mg/kg	**29**	Q	20

INORGANICS
&
MISCELLANEOUS

Project Name: SOUTHWESTERN PHASE 2
Project Number: Not Specified

Lab Number: L1812163
Report Date: 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-01
Client ID: SS-1
Sample Location: ORCHARD PARK, NY

Date Collected: 04/06/18 08:17
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96.4		%	0.100	NA	1	-	04/10/18 10:13	121,2540G	RI

Project Name: SOUTHWESTERN PHASE 2
Project Number: Not Specified

Lab Number: L1812163
Report Date: 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-02
Client ID: SS-2
Sample Location: ORCHARD PARK, NY

Date Collected: 04/06/18 08:20
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.8		%	0.100	NA	1	-	04/10/18 10:13	121,2540G	RI

Project Name: SOUTHWESTERN PHASE 2
Project Number: Not Specified

Lab Number: L1812163
Report Date: 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-03
Client ID: SS-3
Sample Location: ORCHARD PARK, NY

Date Collected: 04/06/18 08:22
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.2		%	0.100	NA	1	-	04/10/18 10:13	121,2540G	RI

Project Name: SOUTHWESTERN PHASE 2
Project Number: Not Specified

Lab Number: L1812163
Report Date: 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-04
Client ID: SS-4
Sample Location: ORCHARD PARK, NY

Date Collected: 04/06/18 08:25
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.5		%	0.100	NA	1	-	04/10/18 10:13	121,2540G	RI

Project Name: SOUTHWESTERN PHASE 2
Project Number: Not Specified

Lab Number: L1812163
Report Date: 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-05
Client ID: SS-5
Sample Location: ORCHARD PARK, NY

Date Collected: 04/06/18 08:29
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.6		%	0.100	NA	1	-	04/10/18 10:13	121,2540G	RI

Project Name: SOUTHWESTERN PHASE 2
Project Number: Not Specified

Lab Number: L1812163
Report Date: 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-06
Client ID: B-1
Sample Location: ORCHARD PARK, NY

Date Collected: 04/06/18 09:30
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.0		%	0.100	NA	1	-	04/10/18 10:13	121,2540G	RI

Project Name: SOUTHWESTERN PHASE 2
Project Number: Not Specified

Lab Number: L1812163
Report Date: 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-07
Client ID: B-2
Sample Location: ORCHARD PARK, NY

Date Collected: 04/06/18 09:50
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.0		%	0.100	NA	1	-	04/10/18 10:13	121,2540G	RI

Project Name: SOUTHWESTERN PHASE 2
Project Number: Not Specified

Lab Number: L1812163
Report Date: 04/16/18

SAMPLE RESULTS

Lab ID: L1812163-08
Client ID: B-3
Sample Location: ORCHARD PARK, NY

Date Collected: 04/06/18 10:10
Date Received: 04/09/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.7		%	0.100	NA	1	-	04/10/18 10:13	121,2540G	RI

Lab Duplicate Analysis
Batch Quality Control

Project Name: SOUTHWESTERN PHASE 2
Project Number: Not Specified

Lab Number: L1812163
Report Date: 04/16/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1105098-1 QC Sample: L1812163-01 Client ID: SS-1						
Solids, Total	96.4	97.0	%	1		20

Project Name: SOUTHWESTERN PHASE 2
Project Number: Not Specified

Lab Number: L1812163
Report Date: 04/16/18

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(*)
L1812163-01A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.1	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1812163-01B	Vial Large Septa unpreserved (4oz)	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L1812163-01C	Glass 250ml/8oz unpreserved	A	NA		3.1	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(14)
L1812163-01X	Vial MeOH preserved split	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L1812163-01Y	Vial Water preserved split	A	NA		3.1	Y	Absent	**10-APR-18 13:21**	NYTCL-8260-R2(14)
L1812163-01Z	Vial Water preserved split	A	NA		3.1	Y	Absent	**10-APR-18 13:21**	NYTCL-8260-R2(14)
L1812163-02A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.1	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1812163-02B	Vial Large Septa unpreserved (4oz)	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L1812163-02C	Glass 250ml/8oz unpreserved	A	NA		3.1	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(14)
L1812163-02X	Vial MeOH preserved split	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L1812163-02Y	Vial Water preserved split	A	NA		3.1	Y	Absent	**10-APR-18 13:21**	NYTCL-8260-R2(14)
L1812163-02Z	Vial Water preserved split	A	NA		3.1	Y	Absent	**10-APR-18 13:21**	NYTCL-8260-R2(14)
L1812163-03A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.1	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1812163-03B	Vial Large Septa unpreserved (4oz)	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L1812163-03C	Glass 250ml/8oz unpreserved	A	NA		3.1	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(14)
L1812163-03X	Vial MeOH preserved split	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: SOUTHWESTERN PHASE 2
Project Number: Not Specified

Lab Number: L1812163
Report Date: 04/16/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1812163-03Y	Vial Water preserved split	A	NA		3.1	Y	Absent	**10-APR-18 13:21**	NYTCL-8260-R2(14)
L1812163-03Z	Vial Water preserved split	A	NA		3.1	Y	Absent	**10-APR-18 13:21**	NYTCL-8260-R2(14)
L1812163-04A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.1	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1812163-04B	Vial Large Septa unpreserved (4oz)	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L1812163-04C	Glass 250ml/8oz unpreserved	A	NA		3.1	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(14)
L1812163-04X	Vial MeOH preserved split	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L1812163-04Y	Vial Water preserved split	A	NA		3.1	Y	Absent	**10-APR-18 13:21**	NYTCL-8260-R2(14)
L1812163-04Z	Vial Water preserved split	A	NA		3.1	Y	Absent	**10-APR-18 13:21**	NYTCL-8260-R2(14)
L1812163-05A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.1	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1812163-05B	Vial Large Septa unpreserved (4oz)	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L1812163-05C	Glass 250ml/8oz unpreserved	A	NA		3.1	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(14)
L1812163-05X	Vial MeOH preserved split	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L1812163-05Y	Vial Water preserved split	A	NA		3.1	Y	Absent	**10-APR-18 13:21**	NYTCL-8260-R2(14)
L1812163-05Z	Vial Water preserved split	A	NA		3.1	Y	Absent	**10-APR-18 13:21**	NYTCL-8260-R2(14)
L1812163-06A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.1	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1812163-06B	Vial Large Septa unpreserved (4oz)	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L1812163-06C	Glass 250ml/8oz unpreserved	A	NA		3.1	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(14)
L1812163-06X	Vial MeOH preserved split	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L1812163-06Y	Vial Water preserved split	A	NA		3.1	Y	Absent	**10-APR-18 13:21**	NYTCL-8260-R2(14)
L1812163-06Z	Vial Water preserved split	A	NA		3.1	Y	Absent	**10-APR-18 13:21**	NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: SOUTHWESTERN PHASE 2
Project Number: Not Specified

Lab Number: L1812163
Report Date: 04/16/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1812163-07A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.1	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1812163-07B	Vial Large Septa unpreserved (4oz)	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L1812163-07C	Glass 250ml/8oz unpreserved	A	NA		3.1	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(14)
L1812163-07X	Vial MeOH preserved split	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L1812163-07Y	Vial Water preserved split	A	NA		3.1	Y	Absent	**10-APR-18 13:21**	NYTCL-8260-R2(14)
L1812163-07Z	Vial Water preserved split	A	NA		3.1	Y	Absent	**10-APR-18 13:21**	NYTCL-8260-R2(14)
L1812163-08A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.1	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1812163-08B	Vial Large Septa unpreserved (4oz)	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L1812163-08C	Glass 250ml/8oz unpreserved	A	NA		3.1	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(14)
L1812163-08X	Vial MeOH preserved split	A	NA		3.1	Y	Absent		NYTCL-8260-R2(14)
L1812163-08Y	Vial Water preserved split	A	NA		3.1	Y	Absent	**10-APR-18 13:21**	NYTCL-8260-R2(14)
L1812163-08Z	Vial Water preserved split	A	NA		3.1	Y	Absent	**10-APR-18 13:21**	NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	SOUTHWESTERN PHASE 2	**Lab Number:**	L1812163
Project Number:	Not Specified	**Report Date:**	04/16/18

GLOSSARY

Acronyms

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).
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.
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.
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.
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

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.

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.

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 Condensation Product".
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

Report Format: DU Report with 'J' Qualifiers

Project Name:	SOUTHWESTERN PHASE 2	**Lab Number:**	L1812163
Project Number:	Not Specified	**Report Date:**	04/16/18

Data Qualifiers

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.

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

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.

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).

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	SOUTHWESTERN PHASE 2	**Lab Number:**	L1812163
Project Number:	Not Specified	**Report Date:**	04/16/18

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: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; 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, SM4500CI-D, SM2320B, SM2540C, SM4500H-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**, EPA 351.1, 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 624: Volatile Halocarbons & Aromatics,
EPA 608: 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: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, 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, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

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

ALPHA ANALYTICAL

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

Mansfield, MA 02048
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NEW YORK CHAIN OF CUSTODY

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: 4/10/18

ALPHA Job #: L1812163

Client Information
Client: Great Lakes Env & Safety
Address: 50 Ridge Road
Phone: 716-827-0700
Fax:
Email: www.greatlakesenvironmental.com

Project Information
Project Name: Southwestern Phase 2
Project Location: Orchard Park, NY
Project #
(Use Project name as Project #) ☐
Project Manager: Mark Mei
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 # Octavus Storage Phase2

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	8260	8270/PCB	TAL METALS						Sample Specific Comments	Total # Bottles
L1812163-01	SS-1	4/6/18	0817	Soil	MM	X	X	X							3
02	SS-2	4/6/18	0830	Soil	MM	X	X	X							3
03	SS-3	4/6/18	0820	Soil	MM	X	X	X							3
04	SS-4	4/6/18	0825	Soil	MM	X	X	X							3
05	SS-5	4/6/18	0829	Soil	MM	X	X	X							3
06	B-1	4-6-18	0930	Soil	MM	X	X	X							3
07	B-2	4-6-18	0950	Soil	MM	X	X	X							3
08	B-3	4-6-18	1010	Soil	MM	X	X	X							3
				Soil		X	X	X							3
				Soil		X	X	X							3
					Container Type	A	A	A							
					Preservative	A	A	A							

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

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
Mark Mei MM	4-9-18 11:10	Jm AL AAC	4/09/18 11:10
Jm AL AAC	4/09/18 11:40	[illegible]	4/10/18 1:25

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.

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