ATLANTIC TESTING LABORATORIES

Utica
301 St. Anthony Street
Utica, NY 13501
315-735-3309 (T)
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October 14, 2021

Hamilton College
198 College Hill Road
Clinton, New York 13323

Attn: Barry Rivet

Re: Soil Stockpile Sampling and Analysis
Peter's Lane Stockpile
Hamilton, Oneida County, New York
ATL Report No. UT5550CE-01-10-21

Ladies/Gentlemen:

Enclosed is a copy of the Soil Stockpile Sampling and Analysis Report prepared for the referenced site. This project was completed in accordance with the scope of work outlined in our contract (ATL No. UT5998-589-10-21).

Please contact our office should you have any questions, or if we may be of further assistance.

Sincerely,
ATLANTIC TESTING LABORATORIES, Limited

Matthew A. Clum, MBA, CHMM
Project Manager

MAC/CJD/mac

Enclosures

SOIL STOCKPILE SAMPLING AND ANALYSIS REPORT
STOCKPILE AT PETER'S LANE SITE

HAMILTON COLLEGE
BOATHOUSE TOPSOIL PROJECT
CLINTON, ONEIDA COUNTY, NEW YORK

PREPARED FOR:

Hamilton College
198 College Hill Road
Clinton, New York 13323

PREPARED BY:

Atlantic Testing Laboratories, Limited
301 St. Anthony Street
Utica, New York 13501

ATL REPORT NO. UT5550CE-01-10-21

October 14, 2021

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1.0 INTRODUCTION

1.1 Purpose

Atlantic Testing Laboratories, Limited (ATL) was retained to provide soil stockpile sampling and analysis associated with the Hamilton College Peter's Lane site. The purpose of this report is to provide a summary of the sampling activities performed at the site on October 4, 2021, and associated laboratory analysis data.

1.2 Site Description

The subject property is the area bounded by a storage area with athletic fields beyond to the east, forested land to the west, storage areas and forested land to the south, and Peter's Lane to the north, in Clinton, Oneida County, New York. The soil stockpile was stored in the center of the storage area.

2.0 SOIL SAMPLING AND ANALYSIS

2.1 Sample Locations and Sampling Methodology

The soil stockpile is proposed to be transported off-site in support of the Hamilton College Boathouse Project. Approximately 1,500 cubic yards of fill were excavated and placed in an on-site stockpile. In accordance with the site Soil Management Plan and direction from Schumaker Consulting Engineering and Land Surveying, D.PC., 1 composite soil sample (comprised of 4 grab samples) was collected and submitted for subsequent laboratory analysis. A Sample Location Plan, depicting approximate sample locations, is included in Appendix A. In conjunction with soil sampling, a RAE Systems MiniRAE 3000 photoionization detector (PID), with a range of up to 15,000 parts per million (ppm), was utilized to screen soil samples for the measurable presence of volatile organic compounds (VOC).

The sample submitted for laboratory analysis was collected in clean laboratory glassware, with Teflon-lined lids, in accordance with industry standard protocol. Disposable sampling equipment (i.e., plastic bags and nitrile gloves) was utilized to collect and homogenize the samples. The sample was stored in a cooler with ice during storage and delivery to the laboratory. The sample for this project was submitted to Alpha Analytical located in Westborough, Massachusetts, a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) approved laboratory (ELAP No. 11148). The composite soil sample was laboratory analyzed for VOC, semi-VOC, pesticides, cyanide, target analyte list (TAL) metals, and polychlorinated biphenyls (PCB). A summary of the ambient and headspace PID readings and soil analysis results are contained in Appendix B, and a copy of the laboratory report and associated sample custody documentation is contained in Appendix C.

2.2 Summary of Soil Sampling and Laboratory Analysis Data

The PID did not detect a measureable concentration of VOC during the soil sampling event, as shown in Table B-1 of Appendix B. As indicated in Table B-2 of Appendix B, laboratory analysis of the composite soil sample identified detectable concentrations of various target semi-VOC, pesticides, and metals, some of which exceeded the NYSDEC Unrestricted Use Soil Cleanup Objectives (SCO) per 6 NYCRR Part 375 or NYSDEC CP-51, but did not exceed the 6 NYCRR Part 375/NYSDEC CP-360 Commercial or Industrial

Soil Cleanup Levels. VOC, PCB, and cyanide were not detected in the sample analyzed. As compared to the 6 NYCRR Part 360 fill material beneficial use criteria, all detectable compounds satisfied the limits for the general fill, restricted-use fill, and limited-use fill.

3.0 SUMMARY OF FINDINGS

Information provided to ATL indicates the target stockpile was proposed for transport off-site for future use. The laboratory analysis results for the soil sample collected indicate that the soil does not contain significant levels of the target VOC, semi-VOC, PCB, or cyanide, as all target compounds for these analyses were non-detect or below the Unrestricted Use SCO per 6 NYCRR Part 375 or NYSDEC CP-51. Target metals and pesticides were also below the NYSDEC Unrestricted Use SCO, with the exception of cis-Chlordane, Trans-Chlordane, Iron, and Mercury. For the detected compounds, all reported concentrations satisfy the 6 NYCRR Part 360 criteria for general fill, restricted-use fill, and limited-use fill.

APPENDIX A

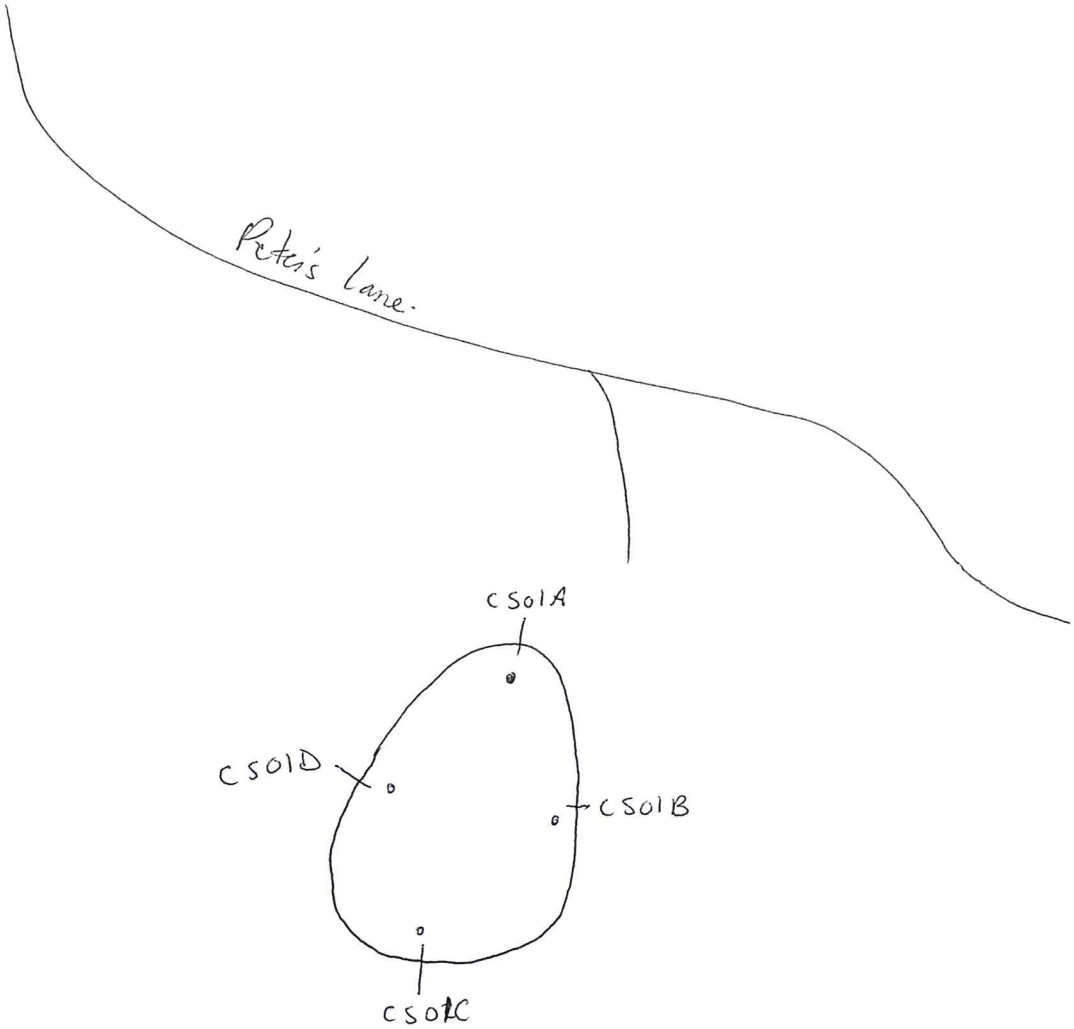
SAMPLE LOCATION PLAN

ATL Project No. : UT5550
Location: Peters Lane
Contractor: Hamilton College

Date: 10/4
Representative: M. Clum
Weather:

FIELD SKETCH

NORTH



REMARKS:

Reported original source: Sports fields on campus.

Appendix B

SUMMARY OF SOIL SAMPLING AND LABORATORY ANALYSIS RESULTS

Table B-1
Summary of Photoionization Detector Readings
Obtained During Soil Sampling Event on October 4, 2021

Sample ID	UT5550CS01
PID Ambient Reading (ppm)	ND
PID Headspace Reading (ppm)	ND

ppm = parts per million, or mg/kg.
ND = Not detected
PID= Photoionization detector
Sample is composite comprised of 4 grab samples of the stockpile.

Table B-2
Summary of Laboratory Analysis Results- VOC, Semi-VOC, PCB, Cyanide, Pesticides, and Metals
Soil Sample Collected October 4, 2021

Sample Location	Peter's Lane Stockpile	6NYCRR Part 375/NYSDEC CP-51 Unrestricted Use Soil Cleanup Levels	6NYCRR Part 375/NYSDEC CP-360 Commercial Soil Cleanup Level	6NYCRR Part 375/NYSDEC CP-360 Industrial Soil Cleanup Level	6 NYCRR Part 360 Fill Material Beneficial Use Criteria		
Sample ID	**UT5550 CS01**				**General Fill**	**Restricted-Use Fill**	**Limited-Use Fill**
VOC (ppm)							
All Target Compounds	ND	---	---	---	---	---	---
Semi-VOC (ppm)							
Indeno(1,2,3-cd)pyrene	0.052	0.5	5.6	11	0.5	---	---
All Other Target Compounds	ND	---	---	---	---	---	---
PCB (ppm)							
Total PCB	ND	0.1	1	25	1	1	1
Cyanide (ppm)							
Cyanide	ND	27	27	10,000	27	27	27
Pesticides (ppm)							
4,4'-DDE	0.00294	0.0033	62	120	1.8	1.8	1.8
4,4'-DDT	0.00179	0.0033	47	94	1.7	1.7	1.7
cis-Chlordane	**0.00758**	0.005	1.4	2.8	0.039	0.039	0.039
Trans-Chlordane	**0.00412**	0.0033	62	120	1.8	1.8	1.8
All Other Target Compounds	ND	---	---	---	---	---	---
TAL Metals (ppm)							
Aluminum	7,630	10,000	---	---	---	---	---
Antimony	0.993	12	---	---	---	---	---
Arsenic	8.69	13	16	16	16	16	16
Barium	69.9	350	400	10,000	350	350	400
Beryllium	0.453	7.2	590	2,700	14	14	590
Cadmium	0.868	2.5	9.3	60	2.5	2.5	2.5
Calcium	2,980	10,000	---	---	---	---	---
Chromium	10.1	30	1,500	6,800	NS	NS	1,500
Cobalt	8.95	20	---	---	---	---	---
Copper	23.2	50	270	10,000	270	270	270
Iron	**22,500**	2,000	---	---	---	---	---
Lead	22.2	63	1,000	3,900	400	400	1,000
Magnesium	2,510	---	---	---	---	---	---
Manganese	940	1,600	10,000	10,000	2,000	2,000	10,000
Mercury	**0.181**	0.18	2.8	5.7	0.73	0.73	2.8
Nickel	13.7	30	310	10,000	130	130	310
Potassium	570	---	---	---	---	---	---
Selenium	ND	3.9	1,500	6,800	4	4	1,500
Silver	ND	2	1,500	6,800	8.3	8.3	1,500
Sodium	23.7	---	---	---	---	---	---
Thallium	ND	5	---	---	---	---	---
Vanadium	15.3	39	---	---	---	---	---
Zinc	52.3	109	10,000	10,000	2,200	2,200	10,000
All Other Target Metals	ND	---	---	---	---	---	---

NOTES:
Sample collected as composite comprised of 4 grab samples from the soil stockpile.
Sample collected by representatives of Atlantic Testing Laboratories, Limited on October 4, 2021 and analyzed by Alpha Analytical, Inc. (NYSDOH ELAP No. 11148).
Copies of the laboratory report and sample custody documentation are contained in Appendix C.
Semi-VOC= semi-volatile organic compounds
PCB= polychlorinated biphenyls
TAL Metals= Target Analyte List Metals
ppm = parts per million, or mg/kg.
ND = Not detected above laboratory method detection limit
NA = Not Applicable Regulated Level Under 6 NYCRR PART 375
NYSDEC Unrestricted Use Soil Cleanup Levels were obtained from 6 NYCRR Part 375 (Unrestricted Use Soil Cleanup Objectives) or the NYSDEC Final Commissioner Policy, CP-51, dated October 21, 2010 (most restrictive of available standards for Supplemental Soil Cleanup Objectives). NYSDEC Commercial Soil Cleanup Levels and Industrial Soil Cleanup Levels were obtained from the corresponding standards listed in 6 NYCRR Part 375 or NYSDEC CP-51.
6 NYCRR Part 360 Fill Material Beneficial Criteria were obtained from the Maximum Contaminant Levels description in Table 2 of 6 NYCRR Part 360.13(f).

Appendix C

LABORATORY REPORT AND ASSOCIATED SAMPLE CUSTODY DOCUMENTATION

ANALYTICAL REPORT

Lab Number:	L2153828
Client:	Atlantic Testing Laboratories, Limited 301 St. Anthony Street Utica, NY 13501
ATTN:	Matt Clum
Phone:	(315) 735-3309
Project Name:	BOATHOUSE- TOPSOIL
Project Number:	UT5550
Report Date:	10/08/21

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

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

Project Name: BOATHOUSE- TOPSOIL
Project Number: UT5550

Lab Number: L2153828
Report Date: 10/08/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2153828-01	UT5550CS01	SOIL	CLINTON, NY	10/04/21 13:00	10/04/21

Project Name:	BOATHOUSE- TOPSOIL	**Lab Number:**	L2153828
Project Number:	UT5550	**Report Date:**	10/08/21

Case Narrative

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

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

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

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

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

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

Project Name:	BOATHOUSE- TOPSOIL	**Lab Number:**	L2153828
Project Number:	UT5550	**Report Date:**	10/08/21

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 biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Total Metals

L2153828-01: 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.

Cyanide, Total

The WG1555209-2/-3 LCS/LCSD recoveries for cyanide, total (56%/66%), associated with L2153828-01, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

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: Caitlin Walukevich

Caitlin Walukevich

Title: Technical Director/Representative Date: 10/08/21

ORGANICS

VOLATILES

Project Name: BOATHOUSE- TOPSOIL **Lab Number:** L2153828

Project Number: UT5550 **Report Date:** 10/08/21

SAMPLE RESULTS

Lab ID: L2153828-01
Client ID: UT5550CS01
Sample Location: CLINTON, NY

Date Collected: 10/04/21 13:00
Date Received: 10/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 10/07/21 17:11
Analyst: JC
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.9	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.8	0.16	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.31	1
Tetrachloroethene	ND		ug/kg	0.59	0.23	1
Chlorobenzene	ND		ug/kg	0.59	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.7	0.81	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.59	0.20	1
Bromodichloromethane	ND		ug/kg	0.59	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.59	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.59	0.18	1
Bromoform	ND		ug/kg	4.7	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.59	0.19	1
Benzene	ND		ug/kg	0.59	0.19	1
Toluene	ND		ug/kg	1.2	0.64	1
Ethylbenzene	ND		ug/kg	1.2	0.16	1
Chloromethane	ND		ug/kg	4.7	1.1	1
Bromomethane	ND		ug/kg	2.3	0.68	1
Vinyl chloride	ND		ug/kg	1.2	0.39	1
Chloroethane	ND		ug/kg	2.3	0.53	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1
Trichloroethene	ND		ug/kg	0.59	0.16	1

Project Name: BOATHOUSE- TOPSOIL **Lab Number:** L2153828

Project Number: UT5550 **Report Date:** 10/08/21

SAMPLE RESULTS

Lab ID: L2153828-01 Date Collected: 10/04/21 13:00

Client ID: UT5550CS01 Date Received: 10/04/21

Sample Location: CLINTON, 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	2.3	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.24	1
p/m-Xylene	ND		ug/kg	2.3	0.66	1
o-Xylene	ND		ug/kg	1.2	0.34	1
Xylenes, Total	ND		ug/kg	1.2	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.6	1
Carbon disulfide	ND		ug/kg	12	5.3	1
2-Butanone	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.3	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.33	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.3	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.5	1.2	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.7	0.76	1
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.38	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.3	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.3	0.39	1
Methyl Acetate	ND		ug/kg	4.7	1.1	1
Cyclohexane	ND		ug/kg	12	0.64	1
1,4-Dioxane	ND		ug/kg	94	41.	1
Freon-113	ND		ug/kg	4.7	0.81	1
Methyl cyclohexane	ND		ug/kg	4.7	0.71	1

Project Name: BOATHOUSE- TOPSOIL **Lab Number:** L2153828

Project Number: UT5550 **Report Date:** 10/08/21

SAMPLE RESULTS

Lab ID: L2153828-01 Date Collected: 10/04/21 13:00

Client ID: UT5550CS01 Date Received: 10/04/21

Sample Location: CLINTON, 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	105		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	104		70-130

Project Name: BOATHOUSE- TOPSOIL **Lab Number:** L2153828

Project Number: UT5550 **Report Date:** 10/08/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/07/21 09:38
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1556132-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	2.2	J	ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14

Project Name: BOATHOUSE- TOPSOIL **Lab Number:** L2153828

Project Number: UT5550 **Report Date:** 10/08/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/07/21 09:38
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1556132-5					
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	0.17	J	ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Styrene	0.21	J	ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33

Project Name: BOATHOUSE- TOPSOIL **Lab Number:** L2153828

Project Number: UT5550 **Report Date:** 10/08/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 10/07/21 09:38
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1556132-5					
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	110		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: BOATHOUSE- TOPSOIL

Project Number: UT5550

Lab Number: L2153828

Report Date: 10/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1556132-3 WG1556132-4								
Methylene chloride	102		103		70-130	1		30
1,1-Dichloroethane	95		94		70-130	1		30
Chloroform	90		90		70-130	0		30
Carbon tetrachloride	103		103		70-130	0		30
1,2-Dichloropropane	100		103		70-130	3		30
Dibromochloromethane	94		102		70-130	8		30
1,1,2-Trichloroethane	90		98		70-130	9		30
Tetrachloroethene	106		108		70-130	2		30
Chlorobenzene	99		103		70-130	4		30
Trichlorofluoromethane	100		99		70-139	1		30
1,2-Dichloroethane	93		95		70-130	2		30
1,1,1-Trichloroethane	96		97		70-130	1		30
Bromodichloromethane	87		89		70-130	2		30
trans-1,3-Dichloropropene	96		103		70-130	7		30
cis-1,3-Dichloropropene	101		104		70-130	3		30
Bromoform	92		99		70-130	7		30
1,1,2,2-Tetrachloroethane	83		94		70-130	12		30
Benzene	98		99		70-130	1		30
Toluene	98		101		70-130	3		30
Ethylbenzene	101		103		70-130	2		30
Chloromethane	98		96		52-130	2		30
Bromomethane	102		101		57-147	1		30
Vinyl chloride	100		99		67-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BOATHOUSE- TOPSOIL

Project Number: UT5550

Lab Number: L2153828

Report Date: 10/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1556132-3 WG1556132-4								
Chloroethane	82		82		50-151	0		30
1,1-Dichloroethene	92		92		65-135	0		30
trans-1,2-Dichloroethene	88		88		70-130	0		30
Trichloroethene	97		98		70-130	1		30
1,2-Dichlorobenzene	96		99		70-130	3		30
1,3-Dichlorobenzene	98		100		70-130	2		30
1,4-Dichlorobenzene	97		99		70-130	2		30
Methyl tert butyl ether	87		96		66-130	10		30
p/m-Xylene	98		99		70-130	1		30
o-Xylene	97		99		70-130	2		30
cis-1,2-Dichloroethene	89		91		70-130	2		30
Styrene	96		98		70-130	2		30
Dichlorodifluoromethane	95		94		30-146	1		30
Acetone	64		74		54-140	14		30
Carbon disulfide	95		94		59-130	1		30
2-Butanone	74		87		70-130	16		30
4-Methyl-2-pentanone	83		97		70-130	16		30
2-Hexanone	73		88		70-130	19		30
Bromochloromethane	90		90		70-130	0		30
1,2-Dibromoethane	97		108		70-130	11		30
n-Butylbenzene	102		103		70-130	1		30
sec-Butylbenzene	101		102		70-130	1		30
tert-Butylbenzene	103		104		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: BOATHOUSE- TOPSOIL

Project Number: UT5550

Lab Number: L2153828

Report Date: 10/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1556132-3 WG1556132-4								
1,2-Dibromo-3-chloropropane	84		96		68-130	13		30
Isopropylbenzene	103		102		70-130	1		30
p-Isopropyltoluene	102		102		70-130	0		30
Naphthalene	89		99		70-130	11		30
n-Propylbenzene	102		102		70-130	0		30
1,2,3-Trichlorobenzene	92		98		70-130	6		30
1,2,4-Trichlorobenzene	93		98		70-130	5		30
1,3,5-Trimethylbenzene	101		101		70-130	0		30
1,2,4-Trimethylbenzene	99		99		70-130	0		30
Methyl Acetate	83		94		51-146	12		30
Cyclohexane	107		108		59-142	1		30
1,4-Dioxane	83		94		65-136	12		30
Freon-113	101		100		50-139	1		30
Methyl cyclohexane	96		99		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		94		70-130
Toluene-d8	102		103		70-130
4-Bromofluorobenzene	99		99		70-130
Dibromofluoromethane	91		92		70-130

SEMIVOLATILES

Project Name: BOATHOUSE- TOPSOIL
Lab Number: L2153828
Project Number: UT5550
Report Date: 10/08/21

SAMPLE RESULTS

Lab ID: L2153828-01
Client ID: UT5550CS01
Sample Location: CLINTON, NY

Date Collected: 10/04/21 13:00
Date Received: 10/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 10/06/21 05:09
Analyst: CMM
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 10/05/21 13:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	24.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	28.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	37.	1
1,3-Dichlorobenzene	ND		ug/kg	200	35.	1
1,4-Dichlorobenzene	ND		ug/kg	200	36.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	55.	1
2,4-Dinitrotoluene	ND		ug/kg	200	41.	1
2,6-Dinitrotoluene	ND		ug/kg	200	35.	1
Fluoranthene	ND		ug/kg	120	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	35.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	21.	1
Hexachlorobutadiene	ND		ug/kg	200	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	590	190	1
Hexachloroethane	ND		ug/kg	160	33.	1
Isophorone	ND		ug/kg	180	27.	1
Naphthalene	ND		ug/kg	200	25.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	32.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	71.	1
Butyl benzyl phthalate	ND		ug/kg	200	52.	1
Di-n-butylphthalate	ND		ug/kg	200	39.	1
Di-n-octylphthalate	ND		ug/kg	200	70.	1

Project Name: BOATHOUSE- TOPSOIL **Lab Number:** L2153828

Project Number: UT5550 **Report Date:** 10/08/21

SAMPLE RESULTS

Lab ID: L2153828-01 Date Collected: 10/04/21 13:00

Client ID: UT5550CS01 Date Received: 10/04/21

Sample Location: CLINTON, 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	200	19.	1
Dimethyl phthalate	ND		ug/kg	200	43.	1
Benzo(a)anthracene	ND		ug/kg	120	23.	1
Benzo(a)pyrene	ND		ug/kg	160	50.	1
Benzo(b)fluoranthene	ND		ug/kg	120	35.	1
Benzo(k)fluoranthene	ND		ug/kg	120	33.	1
Chrysene	ND		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	32.	1
Anthracene	ND		ug/kg	120	40.	1
Benzo(ghi)perylene	ND		ug/kg	160	24.	1
Fluorene	ND		ug/kg	200	20.	1
Phenanthrene	ND		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	52	J	ug/kg	160	29.	1
Pyrene	ND		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	470	48.	1
4-Chloroaniline	ND		ug/kg	200	37.	1
2-Nitroaniline	ND		ug/kg	200	40.	1
3-Nitroaniline	ND		ug/kg	200	39.	1
4-Nitroaniline	ND		ug/kg	200	85.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	250	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
Benzyl Alcohol	ND		ug/kg	200	63.	1
Carbazole	ND		ug/kg	200	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	94		10-136
4-Terphenyl-d14	60		18-120

Project Name: BOATHOUSE- TOPSOIL
Project Number: UT5550
Lab Number: L2153828
Report Date: 10/08/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/06/21 03:16
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 10/05/21 13:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1554713-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: BOATHOUSE- TOPSOIL
Project Number: UT5550
Lab Number: L2153828
Report Date: 10/08/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/06/21 03:16
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 10/05/21 13:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1554713-1					
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.

Project Name: BOATHOUSE- TOPSOIL
Project Number: UT5550
Lab Number: L2153828
Report Date: 10/08/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 10/06/21 03:16
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 10/05/21 13:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1554713-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	79		30-120
2,4,6-Tribromophenol	97		10-136
4-Terphenyl-d14	95		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: BOATHOUSE- TOPSOIL

Project Number: UT5550

Lab Number: L2153828

Report Date: 10/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1554713-2 WG1554713-3								
Acenaphthene	82		77		31-137	6		50
1,2,4-Trichlorobenzene	84		78		38-107	7		50
Hexachlorobenzene	100		93		40-140	7		50
Bis(2-chloroethyl)ether	70		64		40-140	9		50
2-Chloronaphthalene	86		81		40-140	6		50
1,2-Dichlorobenzene	78		73		40-140	7		50
1,3-Dichlorobenzene	76		71		40-140	7		50
1,4-Dichlorobenzene	77		72		28-104	7		50
3,3'-Dichlorobenzidine	70		66		40-140	6		50
2,4-Dinitrotoluene	97		88		40-132	10		50
2,6-Dinitrotoluene	96		90		40-140	6		50
Fluoranthene	93		87		40-140	7		50
4-Chlorophenyl phenyl ether	88		82		40-140	7		50
4-Bromophenyl phenyl ether	97		90		40-140	7		50
Bis(2-chloroisopropyl)ether	55		52		40-140	6		50
Bis(2-chloroethoxy)methane	69		65		40-117	6		50
Hexachlorobutadiene	91		87		40-140	4		50
Hexachlorocyclopentadiene	89		82		40-140	8		50
Hexachloroethane	73		68		40-140	7		50
Isophorone	72		67		40-140	7		50
Naphthalene	81		75		40-140	8		50
Nitrobenzene	73		68		40-140	7		50
NDPA/DPA	89		81		36-157	9		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BOATHOUSE- TOPSOIL

Project Number: UT5550

Lab Number: L2153828

Report Date: 10/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1554713-2 WG1554713-3								
n-Nitrosodi-n-propylamine	70		66		32-121	6		50
Bis(2-ethylhexyl)phthalate	85		79		40-140	7		50
Butyl benzyl phthalate	89		82		40-140	8		50
Di-n-butylphthalate	86		80		40-140	7		50
Di-n-octylphthalate	86		79		40-140	8		50
Diethyl phthalate	85		78		40-140	9		50
Dimethyl phthalate	89		83		40-140	7		50
Benzo(a)anthracene	90		85		40-140	6		50
Benzo(a)pyrene	104		98		40-140	6		50
Benzo(b)fluoranthene	100		95		40-140	5		50
Benzo(k)fluoranthene	99		90		40-140	10		50
Chrysene	89		83		40-140	7		50
Acenaphthylene	88		82		40-140	7		50
Anthracene	88		82		40-140	7		50
Benzo(ghi)perylene	106		100		40-140	6		50
Fluorene	87		81		40-140	7		50
Phenanthrene	84		80		40-140	5		50
Dibenzo(a,h)anthracene	106		99		40-140	7		50
Indeno(1,2,3-cd)pyrene	93		88		40-140	6		50
Pyrene	92		86		35-142	7		50
Biphenyl	88		83		37-127	6		50
4-Chloroaniline	61		56		40-140	9		50
2-Nitroaniline	95		88		47-134	8		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: BOATHOUSE- TOPSOIL

Project Number: UT5550

Lab Number: L2153828

Report Date: 10/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1554713-2 WG1554713-3								
3-Nitroaniline	74		68		26-129	8		50
4-Nitroaniline	83		77		41-125	8		50
Dibenzofuran	84		78		40-140	7		50
2-Methylnaphthalene	84		79		40-140	6		50
1,2,4,5-Tetrachlorobenzene	96		90		40-117	6		50
Acetophenone	80		75		14-144	6		50
Benzyl Alcohol	81		75		40-140	8		50
Carbazole	89		83		54-128	7		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	79		73		25-120
Phenol-d6	80		74		10-120
Nitrobenzene-d5	73		68		23-120
2-Fluorobiphenyl	82		77		30-120
2,4,6-Tribromophenol	102		94		10-136
4-Terphenyl-d14	94		86		18-120

PCBS

Project Name: BOATHOUSE- TOPSOIL
Lab Number: L2153828
Project Number: UT5550
Report Date: 10/08/21

SAMPLE RESULTS

Lab ID: L2153828-01
Client ID: UT5550CS01
Sample Location: CLINTON, NY

Date Collected: 10/04/21 13:00
Date Received: 10/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/07/21 10:18
Analyst: JM
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 10/06/21 17:40
Cleanup Method: EPA 3665A
Cleanup Date: 10/07/21
Cleanup Method: EPA 3660B
Cleanup Date: 10/07/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		mg/kg	0.0394	0.00350	1	A
Aroclor 1221	ND		mg/kg	0.0394	0.00395	1	A
Aroclor 1232	ND		mg/kg	0.0394	0.00835	1	A
Aroclor 1242	ND		mg/kg	0.0394	0.00531	1	A
Aroclor 1248	ND		mg/kg	0.0394	0.00591	1	A
Aroclor 1254	ND		mg/kg	0.0394	0.00431	1	A
Aroclor 1260	ND		mg/kg	0.0394	0.00728	1	A
Aroclor 1262	ND		mg/kg	0.0394	0.00500	1	A
Aroclor 1268	ND		mg/kg	0.0394	0.00408	1	A
PCBs, Total	ND		mg/kg	0.0394	0.00350	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	41		30-150	A
Decachlorobiphenyl	44		30-150	A
2,4,5,6-Tetrachloro-m-xylene	43		30-150	B
Decachlorobiphenyl	50		30-150	B

Project Name: BOATHOUSE- TOPSOIL
Project Number: UT5550
Lab Number: L2153828
Report Date: 10/08/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 10/07/21 09:54
Analyst: JM

Extraction Method: EPA 3546
Extraction Date: 10/06/21 17:40
Cleanup Method: EPA 3665A
Cleanup Date: 10/07/21
Cleanup Method: EPA 3660B
Cleanup Date: 10/07/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG1555341-1						
Aroclor 1016	ND		mg/kg	0.0329	0.00292	A
Aroclor 1221	ND		mg/kg	0.0329	0.00329	A
Aroclor 1232	ND		mg/kg	0.0329	0.00697	A
Aroclor 1242	ND		mg/kg	0.0329	0.00443	A
Aroclor 1248	ND		mg/kg	0.0329	0.00493	A
Aroclor 1254	ND		mg/kg	0.0329	0.00360	A
Aroclor 1260	ND		mg/kg	0.0329	0.00607	A
Aroclor 1262	ND		mg/kg	0.0329	0.00417	A
Aroclor 1268	ND		mg/kg	0.0329	0.00340	A
PCBs, Total	ND		mg/kg	0.0329	0.00292	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	91		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BOATHOUSE- TOPSOIL

Project Number: UT5550

Lab Number: L2153828

Report Date: 10/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG1555341-2 WG1555341-3									
Aroclor 1016	77		71		40-140	8		50	A
Aroclor 1260	79		74		40-140	7		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		66		30-150	A
Decachlorobiphenyl	84		75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		68		30-150	B
Decachlorobiphenyl	91		87		30-150	B

PESTICIDES

Project Name: BOATHOUSE- TOPSOIL
Lab Number: L2153828
Project Number: UT5550
Report Date: 10/08/21

SAMPLE RESULTS

Lab ID: L2153828-01
Client ID: UT5550CS01
Sample Location: CLINTON, NY

Date Collected: 10/04/21 13:00
Date Received: 10/04/21
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/06/21 14:14
Analyst: JAW
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 10/05/21 11:45
Cleanup Method: EPA 3620B
Cleanup Date: 10/06/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.91	0.374	1	A
Lindane	ND		ug/kg	0.797	0.356	1	A
Alpha-BHC	ND		ug/kg	0.797	0.226	1	A
Beta-BHC	ND		ug/kg	1.91	0.725	1	A
Heptachlor	ND		ug/kg	0.956	0.429	1	A
Aldrin	ND		ug/kg	1.91	0.673	1	A
Heptachlor epoxide	ND		ug/kg	3.58	1.08	1	A
Endrin	ND		ug/kg	0.797	0.327	1	A
Endrin aldehyde	ND		ug/kg	2.39	0.836	1	A
Endrin ketone	ND		ug/kg	1.91	0.492	1	A
Dieldrin	ND		ug/kg	1.20	0.598	1	A
4,4'-DDE	2.94		ug/kg	1.91	0.442	1	A
4,4'-DDD	ND		ug/kg	1.91	0.682	1	A
4,4'-DDT	1.79	JP	ug/kg	3.58	1.54	1	A
Endosulfan I	ND		ug/kg	1.91	0.452	1	A
Endosulfan II	ND		ug/kg	1.91	0.639	1	A
Endosulfan sulfate	ND		ug/kg	0.797	0.379	1	A
Methoxychlor	ND		ug/kg	3.58	1.12	1	A
Toxaphene	ND		ug/kg	35.8	10.0	1	A
cis-Chlordane	7.58	IP	ug/kg	2.39	0.666	1	B
trans-Chlordane	4.12		ug/kg	2.39	0.631	1	A
Chlordane	ND		ug/kg	15.9	6.33	1	A

Project Name: BOATHOUSE- TOPSOIL **Lab Number:** L2153828

Project Number: UT5550 **Report Date:** 10/08/21

SAMPLE RESULTS

Lab ID: L2153828-01 Date Collected: 10/04/21 13:00

Client ID: UT5550CS01 Date Received: 10/04/21

Sample Location: CLINTON, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	104		30-150	A
Decachlorobiphenyl	134		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	109		30-150	B

Project Name: BOATHOUSE- TOPSOIL
Project Number: UT5550
Lab Number: L2153828
Report Date: 10/08/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/06/21 13:40
Analyst: JAW

Extraction Method: EPA 3546
Extraction Date: 10/05/21 10:21
Cleanup Method: EPA 3620B
Cleanup Date: 10/06/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1554539-1						
Delta-BHC	ND		ug/kg	1.54	0.301	A
Lindane	ND		ug/kg	0.641	0.286	A
Alpha-BHC	ND		ug/kg	0.641	0.182	A
Beta-BHC	ND		ug/kg	1.54	0.583	A
Heptachlor	ND		ug/kg	0.769	0.345	A
Aldrin	ND		ug/kg	1.54	0.542	A
Heptachlor epoxide	ND		ug/kg	2.88	0.865	A
Endrin	ND		ug/kg	0.641	0.263	A
Endrin aldehyde	ND		ug/kg	1.92	0.673	A
Endrin ketone	ND		ug/kg	1.54	0.396	A
Dieldrin	ND		ug/kg	0.962	0.481	A
4,4'-DDE	ND		ug/kg	1.54	0.356	A
4,4'-DDD	ND		ug/kg	1.54	0.549	A
4,4'-DDT	ND		ug/kg	2.88	1.24	A
Endosulfan I	ND		ug/kg	1.54	0.363	A
Endosulfan II	ND		ug/kg	1.54	0.514	A
Endosulfan sulfate	ND		ug/kg	0.641	0.305	A
Methoxychlor	ND		ug/kg	2.88	0.897	A
Toxaphene	ND		ug/kg	28.8	8.08	A
cis-Chlordane	ND		ug/kg	1.92	0.536	A
trans-Chlordane	ND		ug/kg	1.92	0.508	A
Chlordane	ND		ug/kg	12.8	5.10	A

Project Name: BOATHOUSE- TOPSOIL
Project Number: UT5550
Lab Number: L2153828
Report Date: 10/08/21

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/06/21 13:40
Analyst: JAW

Extraction Method: EPA 3546
Extraction Date: 10/05/21 10:21
Cleanup Method: EPA 3620B
Cleanup Date: 10/06/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1554539-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	103		30-150	A
Decachlorobiphenyl	142		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	97		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BOATHOUSE- TOPSOIL

Project Number: UT5550

Lab Number: L2153828

Report Date: 10/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1554539-2 WG1554539-3									
Delta-BHC	87		90		30-150	3		30	A
Lindane	91		96		30-150	5		30	A
Alpha-BHC	85		88		30-150	3		30	A
Beta-BHC	89		89		30-150	0		30	A
Heptachlor	102		102		30-150	0		30	A
Aldrin	94		100		30-150	6		30	A
Heptachlor epoxide	83		91		30-150	9		30	A
Endrin	100		104		30-150	4		30	A
Endrin aldehyde	61		72		30-150	17		30	A
Endrin ketone	86		92		30-150	7		30	A
Dieldrin	104		110		30-150	6		30	A
4,4'-DDE	95		101		30-150	6		30	A
4,4'-DDD	104		110		30-150	6		30	A
4,4'-DDT	104		110		30-150	6		30	A
Endosulfan I	92		95		30-150	3		30	A
Endosulfan II	94		100		30-150	6		30	A
Endosulfan sulfate	87		93		30-150	7		30	A
Methoxychlor	93		107		30-150	14		30	A
cis-Chlordane	77		80		30-150	4		30	A
trans-Chlordane	113		116		30-150	3		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: BOATHOUSE- TOPSOIL

Project Number: UT5550

Lab Number: L2153828

Report Date: 10/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1554539-2 WG1554539-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		101		30-150	A
Decachlorobiphenyl	143		150		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		85		30-150	B
Decachlorobiphenyl	108		105		30-150	B

METALS

Project Name: BOATHOUSE- TOPSOIL **Lab Number:** L2153828

Project Number: UT5550 **Report Date:** 10/08/21

SAMPLE RESULTS

Lab ID: L2153828-01 Date Collected: 10/04/21 13:00

Client ID: UT5550CS01 Date Received: 10/04/21

Sample Location: CLINTON, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7630		mg/kg	9.64	2.60	2	10/05/21 16:30	10/06/21 11:48	EPA 3050B	1,6010D	GD
Antimony, Total	0.993	J	mg/kg	4.82	0.366	2	10/05/21 16:30	10/06/21 11:48	EPA 3050B	1,6010D	GD
Arsenic, Total	8.69		mg/kg	0.964	0.201	2	10/05/21 16:30	10/06/21 11:48	EPA 3050B	1,6010D	GD
Barium, Total	69.9		mg/kg	0.964	0.168	2	10/05/21 16:30	10/06/21 11:48	EPA 3050B	1,6010D	GD
Beryllium, Total	0.453	J	mg/kg	0.482	0.032	2	10/05/21 16:30	10/06/21 11:48	EPA 3050B	1,6010D	GD
Cadmium, Total	0.868	J	mg/kg	0.964	0.095	2	10/05/21 16:30	10/06/21 11:48	EPA 3050B	1,6010D	GD
Calcium, Total	2980		mg/kg	9.64	3.38	2	10/05/21 16:30	10/06/21 11:48	EPA 3050B	1,6010D	GD
Chromium, Total	10.1		mg/kg	0.964	0.093	2	10/05/21 16:30	10/06/21 11:48	EPA 3050B	1,6010D	GD
Cobalt, Total	8.95		mg/kg	1.93	0.160	2	10/05/21 16:30	10/06/21 11:48	EPA 3050B	1,6010D	GD
Copper, Total	23.2		mg/kg	0.964	0.249	2	10/05/21 16:30	10/06/21 11:48	EPA 3050B	1,6010D	GD
Iron, Total	22500		mg/kg	4.82	0.871	2	10/05/21 16:30	10/06/21 11:48	EPA 3050B	1,6010D	GD
Lead, Total	22.2		mg/kg	4.82	0.258	2	10/05/21 16:30	10/06/21 11:48	EPA 3050B	1,6010D	GD
Magnesium, Total	2510		mg/kg	9.64	1.48	2	10/05/21 16:30	10/06/21 11:48	EPA 3050B	1,6010D	GD
Manganese, Total	940		mg/kg	0.964	0.153	2	10/05/21 16:30	10/06/21 11:48	EPA 3050B	1,6010D	GD
Mercury, Total	0.181		mg/kg	0.096	0.063	1	10/05/21 16:47	10/06/21 09:08	EPA 7471B	1,7471B	AC
Nickel, Total	13.7		mg/kg	2.41	0.233	2	10/05/21 16:30	10/06/21 11:48	EPA 3050B	1,6010D	GD
Potassium, Total	570		mg/kg	241	13.9	2	10/05/21 16:30	10/06/21 11:48	EPA 3050B	1,6010D	GD
Selenium, Total	ND		mg/kg	1.93	0.249	2	10/05/21 16:30	10/06/21 11:48	EPA 3050B	1,6010D	GD
Silver, Total	ND		mg/kg	0.964	0.273	2	10/05/21 16:30	10/06/21 11:48	EPA 3050B	1,6010D	GD
Sodium, Total	23.7	J	mg/kg	193	3.04	2	10/05/21 16:30	10/06/21 11:48	EPA 3050B	1,6010D	GD
Thallium, Total	ND		mg/kg	1.93	0.304	2	10/05/21 16:30	10/06/21 11:48	EPA 3050B	1,6010D	GD
Vanadium, Total	15.3		mg/kg	0.964	0.196	2	10/05/21 16:30	10/06/21 11:48	EPA 3050B	1,6010D	GD
Zinc, Total	52.3		mg/kg	4.82	0.283	2	10/05/21 16:30	10/06/21 11:48	EPA 3050B	1,6010D	GD

Project Name: BOATHOUSE- TOPSOIL **Lab Number:** L2153828

Project Number: UT5550 **Report Date:** 10/08/21

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 Batch: WG1554605-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	10/05/21 16:30	10/06/21 10:26	1,6010D	GD
Antimony, Total	ND		mg/kg	2.00	0.152	1	10/05/21 16:30	10/06/21 10:26	1,6010D	GD
Arsenic, Total	ND		mg/kg	0.400	0.083	1	10/05/21 16:30	10/06/21 10:26	1,6010D	GD
Barium, Total	ND		mg/kg	0.400	0.070	1	10/05/21 16:30	10/06/21 10:26	1,6010D	GD
Beryllium, Total	ND		mg/kg	0.200	0.013	1	10/05/21 16:30	10/06/21 10:26	1,6010D	GD
Cadmium, Total	ND		mg/kg	0.400	0.039	1	10/05/21 16:30	10/06/21 10:26	1,6010D	GD
Calcium, Total	ND		mg/kg	4.00	1.40	1	10/05/21 16:30	10/06/21 10:26	1,6010D	GD
Chromium, Total	0.052	J	mg/kg	0.400	0.038	1	10/05/21 16:30	10/06/21 10:26	1,6010D	GD
Cobalt, Total	ND		mg/kg	0.800	0.066	1	10/05/21 16:30	10/06/21 10:26	1,6010D	GD
Copper, Total	ND		mg/kg	0.400	0.103	1	10/05/21 16:30	10/06/21 10:26	1,6010D	GD
Iron, Total	1.40	J	mg/kg	2.00	0.361	1	10/05/21 16:30	10/06/21 10:26	1,6010D	GD
Lead, Total	ND		mg/kg	2.00	0.107	1	10/05/21 16:30	10/06/21 10:26	1,6010D	GD
Magnesium, Total	ND		mg/kg	4.00	0.616	1	10/05/21 16:30	10/06/21 10:26	1,6010D	GD
Manganese, Total	0.064	J	mg/kg	0.400	0.064	1	10/05/21 16:30	10/06/21 10:26	1,6010D	GD
Nickel, Total	ND		mg/kg	1.00	0.097	1	10/05/21 16:30	10/06/21 10:26	1,6010D	GD
Potassium, Total	ND		mg/kg	100	5.76	1	10/05/21 16:30	10/06/21 10:26	1,6010D	GD
Selenium, Total	ND		mg/kg	0.800	0.103	1	10/05/21 16:30	10/06/21 10:26	1,6010D	GD
Silver, Total	ND		mg/kg	0.400	0.113	1	10/05/21 16:30	10/06/21 10:26	1,6010D	GD
Sodium, Total	12.2	J	mg/kg	80.0	1.26	1	10/05/21 16:30	10/06/21 10:26	1,6010D	GD
Thallium, Total	ND		mg/kg	0.800	0.126	1	10/05/21 16:30	10/06/21 10:26	1,6010D	GD
Vanadium, Total	ND		mg/kg	0.400	0.081	1	10/05/21 16:30	10/06/21 10:26	1,6010D	GD
Zinc, Total	ND		mg/kg	2.00	0.117	1	10/05/21 16:30	10/06/21 10:26	1,6010D	GD

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 Batch: WG1554606-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	10/05/21 15:39	10/06/21 08:03	1,7471B	AC

Project Name: BOATHOUSE- TOPSOIL
Project Number: UT5550
Lab Number: L2153828
Report Date: 10/08/21

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: BOATHOUSE- TOPSOIL

Project Number: UT5550

Lab Number: L2153828

Report Date: 10/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1554605-2 SRM Lot Number: D109-540								
Aluminum, Total	63		-		50-150	-		
Antimony, Total	158		-		19-250	-		
Arsenic, Total	92		-		70-130	-		
Barium, Total	91		-		75-125	-		
Beryllium, Total	98		-		75-125	-		
Cadmium, Total	100		-		75-125	-		
Calcium, Total	92		-		73-128	-		
Chromium, Total	94		-		70-130	-		
Cobalt, Total	101		-		75-125	-		
Copper, Total	92		-		75-125	-		
Iron, Total	82		-		35-165	-		
Lead, Total	88		-		72-128	-		
Magnesium, Total	78		-		62-138	-		
Manganese, Total	86		-		74-126	-		
Nickel, Total	98		-		70-130	-		
Potassium, Total	74		-		59-141	-		
Selenium, Total	90		-		68-132	-		
Silver, Total	90		-		68-131	-		
Sodium, Total	96		-		35-165	-		
Thallium, Total	93		-		68-131	-		
Vanadium, Total	90		-		59-141	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: BOATHOUSE- TOPSOIL

Project Number: UT5550

Lab Number: L2153828

Report Date: 10/08/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1554605-2 SRM Lot Number: D109-540					
Zinc, Total	89	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1554606-2 SRM Lot Number: D109-540					
Mercury, Total	111	-	60-140	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: BOATHOUSE- TOPSOIL
Project Number: UT5550

Lab Number: L2153828
Report Date: 10/08/21

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 QC Batch ID: WG1554605-3 QC Sample: L2153840-02 Client ID: MS Sample												
Aluminum, Total	9130	178	10000	**489**	Q	-	-		75-125	-		20
Antimony, Total	ND	44.4	31.6	**71**	Q	-	-		75-125	-		20
Arsenic, Total	5.45	10.7	16.9	107		-	-		75-125	-		20
Barium, Total	106	178	257	85		-	-		75-125	-		20
Beryllium, Total	0.432J	4.44	4.04	91		-	-		75-125	-		20
Cadmium, Total	0.288J	4.71	3.94	84		-	-		75-125	-		20
Calcium, Total	88500	889	83300	**0**	Q	-	-		75-125	-		20
Chromium, Total	10.0	17.8	24.9	84		-	-		75-125	-		20
Cobalt, Total	5.21	44.4	37.8	**73**	Q	-	-		75-125	-		20
Copper, Total	17.0	22.2	35.5	83		-	-		75-125	-		20
Iron, Total	10200	88.9	11000	**900**	Q	-	-		75-125	-		20
Lead, Total	10.9	47.1	43.2	**68**	Q	-	-		75-125	-		20
Magnesium, Total	3570	889	5060	**168**	Q	-	-		75-125	-		20
Manganese, Total	103	44.4	143	90		-	-		75-125	-		20
Nickel, Total	10.0	44.4	41.1	**70**	Q	-	-		75-125	-		20
Potassium, Total	1380	889	2280	101		-	-		75-125	-		20
Selenium, Total	1.34J	10.7	10.2	96		-	-		75-125	-		20
Silver, Total	ND	26.7	24.3	91		-	-		75-125	-		20
Sodium, Total	245	889	1110	97		-	-		75-125	-		20
Thallium, Total	ND	10.7	6.93	**65**	Q	-	-		75-125	-		20
Vanadium, Total	18.1	44.4	55.6	84		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: BOATHOUSE- TOPSOIL
Project Number: UT5550

Lab Number: L2153828
Report Date: 10/08/21

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 QC Batch ID: WG1554605-3 QC Sample: L2153840-02 Client ID: MS Sample									
Zinc, Total	9.87	44.4	46.5	82	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1554606-3 QC Sample: L2153479-05 Client ID: MS Sample									
Mercury, Total	ND	0.192	0.210	110	-	-	80-120	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: BOATHOUSE- TOPSOIL

Project Number: UT5550

Lab Number: L2153828

Report Date: 10/08/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1554605-4 QC Sample: L2153840-02 Client ID: DUP Sample						
Calcium, Total	88500	58000	mg/kg	**42**	Q	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: BOATHOUSE- TOPSOIL
Project Number: UT5550

Lab Number: L2153828
Report Date: 10/08/21

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1554605-4 QC Sample: L2153840-02 Client ID: DUP Sample						
Aluminum, Total	9130	6680	mg/kg	**31**	Q	20
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	5.45	6.97	mg/kg	**24**	Q	20
Barium, Total	106	88.3	mg/kg	18		20
Beryllium, Total	0.432J	0.374J	mg/kg	NC		20
Cadmium, Total	0.288J	0.418J	mg/kg	NC		20
Chromium, Total	10.0	10.9	mg/kg	9		20
Cobalt, Total	5.21	4.63	mg/kg	12		20
Copper, Total	17.0	21.8	mg/kg	**25**	Q	20
Iron, Total	10200	14400	mg/kg	**34**	Q	20
Lead, Total	10.9	9.64	mg/kg	12		20
Magnesium, Total	3570	2890	mg/kg	**21**	Q	20
Manganese, Total	103	77.1	mg/kg	**29**	Q	20
Nickel, Total	10.0	9.98	mg/kg	0		20
Potassium, Total	1380	1770	mg/kg	**25**	Q	20
Selenium, Total	1.34J	0.952J	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	245	392	mg/kg	**46**	Q	20
Thallium, Total	ND	ND	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: BOATHOUSE- TOPSOIL
Project Number: UT5550

Lab Number: L2153828
Report Date: 10/08/21

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1554605-4 QC Sample: L2153840-02 Client ID: DUP Sample						
Vanadium, Total	18.1	18.0	mg/kg	1		20
Zinc, Total	9.87	7.93	mg/kg	**22**	Q	20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1554606-4 QC Sample: L2153479-05 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		20

Project Name: BOATHOUSE- TOPSOIL
Project Number: UT5550

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2153828
Report Date: 10/08/21

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1554605-6 QC Sample: L2153840-02 Client ID: DUP Sample						
Calcium, Total	88500	88000	mg/kg	1		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1554605-6 QC Sample: L2153840-02 Client ID: DUP Sample						
Aluminum, Total	9130	11500	mg/kg	**26**	Q	20
Barium, Total	106	132	mg/kg	**25**	Q	20
Iron, Total	10200	13100	mg/kg	**28**	Q	20
Magnesium, Total	3570	4470	mg/kg	**25**	Q	20
Manganese, Total	103	132	mg/kg	**28**	Q	20

INORGANICS
&
MISCELLANEOUS

Project Name: BOATHOUSE- TOPSOIL
Project Number: UT5550

Lab Number: L2153828
Report Date: 10/08/21

SAMPLE RESULTS

Lab ID: L2153828-01
Client ID: UT5550CS01
Sample Location: CLINTON, NY

Date Collected: 10/04/21 13:00
Date Received: 10/04/21
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	80.0		%	0.100	NA	1	-	10/05/21 07:16	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.2	0.26	1	10/06/21 14:00	10/07/21 11:35	1,9010C/9012B	CR

Project Name: BOATHOUSE- TOPSOIL
Project Number: UT5550
Lab Number: L2153828
Report Date: 10/08/21

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1555209-1										
Cyanide, Total	ND		mg/kg	0.87	0.18	1	10/06/21 14:00	10/07/21 11:18	1,9010C/9012B	CR

Lab Control Sample Analysis

Batch Quality Control

Project Name: BOATHOUSE- TOPSOIL

Project Number: UT5550

Lab Number: L2153828

Report Date: 10/08/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1555209-2 WG1555209-3								
Cyanide, Total	**56**	Q	**66**	Q	80-120	16		35

Matrix Spike Analysis
Batch Quality Control

Project Name: BOATHOUSE- TOPSOIL
Project Number: UT5550

Lab Number: L2153828
Report Date: 10/08/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1555209-4 WG1555209-5 QC Sample: L2153033-07 Client ID: MS Sample												
Cyanide, Total	ND	11	11	100		11	100		75-125	0		35

Lab Duplicate Analysis

Batch Quality Control

Project Name: BOATHOUSE- TOPSOIL

Project Number: UT5550

Lab Number: L2153828

Report Date: 10/08/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1554410-1 QC Sample: L2153828-01 Client ID: UT5550CS01						
Solids, Total	80.0	82.4	%	3		20

Project Name: BOATHOUSE- TOPSOIL
Project Number: UT5550

Lab Number: L2153828
Report Date: 10/08/21

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(*)
L2153828-01A	Plastic 2oz unpreserved for TS	A	NA		4.8	Y	Absent		TS(7)
L2153828-01B	Glass 60mL/2oz unpreserved	A	NA		4.8	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),SE-TI(180),SB-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MN-TI(180),MG-TI(180),HG-T(28),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L2153828-01C	Vial Large Septa unpreserved (4oz)	A	NA		4.8	Y	Absent		NYTCL-8260-R2(14)
L2153828-01D	Glass 120ml/4oz unpreserved	A	NA		4.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082-PPM(365)
L2153828-01E	Glass 250ml/8oz unpreserved	A	NA		4.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082-PPM(365)
L2153828-01F	Glass 250ml/8oz unpreserved	A	NA		4.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),NYTCL-8081(14),NYTCL-8082-PPM(365)
L2153828-01X	Vial MeOH preserved split	A	NA		4.8	Y	Absent		NYTCL-8260-R2(14)
L2153828-01Y	Vial Water preserved split	A	NA		4.8	Y	Absent	06-OCT-21 05:34	NYTCL-8260-R2(14)
L2153828-01Z	Vial Water preserved split	A	NA		4.8	Y	Absent	06-OCT-21 05:34	NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	BOATHOUSE- TOPSOIL	**Lab Number:**	L2153828
Project Number:	UT5550	**Report Date:**	10/08/21

GLOSSARY

Acronyms

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

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

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

EPA - Environmental Protection Agency.

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

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

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

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

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

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

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

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

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

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

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

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

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	BOATHOUSE- TOPSOIL	**Lab Number:**	L2153828
Project Number:	UT5550	**Report Date:**	10/08/21

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.

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

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

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

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

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

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

Data Qualifiers

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

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

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

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

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

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	BOATHOUSE- TOPSOIL	**Lab Number:**	L2153828
Project Number:	UT5550	**Report Date:**	10/08/21

Data Qualifiers

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.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	BOATHOUSE- TOPSOIL	**Lab Number:**	L2153828
Project Number:	UT5550	**Report Date:**	10/08/21

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

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

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

Westborough Facility:

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

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

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

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

No: 15202

ATLANTIC TESTING LABORATORIES

Environmental Chain-Of-Custody Record L2153828

Albany 22 Corporate Drive, Clifton Park, NY 12065, 518/383-9144 (T), 518/383-9166 (F), labsAT@atlantictesting.com

Binghamton 126 Park Avenue, Binghamton, NY 13903, 607/773-1812 (T), 607/773-1835 (F), labsET@atlantictesting.com

Canton 6431 U.S. Highway 11, Canton, NY 13617, 315/386-4578 (T), 315/386-1012 (F), labsCT@atlantictesting.com

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Plattsburgh 130 Arizona Ave, Plattsburgh, NY 12903, 518/563-5878 (T), 518/562-1321 (F), labsPL@atlantictesting.com

Poughkeepsie 251 Upper North Road, Highland, NY 12528, 845/691-6098 (T), 845/691-6099 (F), labsPT@atlantictesting.com

Rochester 3495 Winton Place, Rochester, NY 14623, 585/427-9020 (T), 585/427-9021 (F), labsRT@atlantictesting.com

Syracuse 6085 Court Street Road, Syracuse, NY 13206, 315/699-5281 (T), 315/699-3374 (F), labsST@atlantictesting.com

Utica 301 St. Anthony Street, Utica, NY 13501, 315/735-3309 (T), 315/735-0742 (F), labsUT@atlantictesting.com

Watertown 26581 NYS Route 283, Watertown, NY 13601, 315/786-7887 (T), 315/786-2022 (F), labsWT@atlantictesting.com

Project No.	Client Name	QA/QC Code	Parameters	Report Distribution
21T5550 Page 1 of 1	Hamilton College	☐ NYSDEC ☐ SW-846 ☐ NYSDOH ☐ CLP ☐ Other _____		TAT Required: ☐ 6hr ☐ 12hr ☐ 24hr ☐ 48hr ☐ 72hr ☒ 5day ☐ 10day ☐ Other _____ E-mail Results: Labsut @atlantictesting.com
ATL Project Contact:	Matt Clum	Project Location		
Project Name:	Boathouse - Topsoil	Clinton, NY		

Date	Time	Field Sample No.	Sample Location	Sample Type	No. of Containers	VOC (EPA 8260)	Semi-VOC (EPA 8270 B/N)	Pesticides (EPA 8081)	PCB (EPA 8082)	TAL metals	Cyanide	Notes	Laboratory Sample ID No.	Custody Seal: X= intact
10/4/21	1:00pm	21T5550CS01	Peters Lane Stockpile	CS	6	X	X	X	X	X	X			

Samplers Name:		Date:		Received for Name:		Date:		Shipment Rec'd Intact?
Samplers Signature:		Time:		Laboratory Signature:		Time:		☐ YES ☐ NO

Samples Relinquished By:			Samples Received By:		
Name:	Matt Clum	Date: 10/4/21	Name:	Eric Whalen ATL	Date: 10/4/21
Signature:		Time: 1455	Signature:		Time: 1455
Name:	Eric Whalen	Date: 10/4/21	Name:	Ryan Morrissey	Date: 10/5/21
Signature:		Time: 1455	Signature:		Time: 0073

Sample Type Code Key:

Description			
C	Composite	Q	QA/QC
G	Grab	O	Other
Matrix			
DW	Drinking Water	S	Soil
GW	Groundwater	SL	Sludge
WW	Wastewater	WS	Solid Waste
SM	Stormwater	B	Bulk
O	Oil	WP	Wipe
L	Liquid	A	Air

Laboratory Remarks

Distribution: White with Samples
Pink to ATL Files

ENV-001B

pdrive:Forms\Environmental\OfficeForms\Environmental Chain-Of-Custody Record rev 6: 02/22/19