



**NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION**



Request to Import/Reuse Fill or Soil

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

SECTION 1 – SITE BACKGROUND

The allowable site use is:

Have Ecological Resources been identified?

Is this soil originating from the site?

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

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

SECTION 2 – MATERIAL OTHER THAN SOIL

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

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

Is this virgin material from a permitted mine or quarry?

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

SECTION 3 - SAMPLING

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

seven discrete samples for VOC's

two composite samples for SVOC's, Inorganics, PCB's, and Pesticides

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

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

SECTION 3 CONT'D - SAMPLING

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

Samples collected from a stockpile of DOT Item 4 gravel from the Gridley mine in Corning, NY for use on the Tioga Ave. BCP site under Site cover required by the SMP.

Sample results are below Commercial/Industrial Use levels for imported fill in accordance with DER-10 Appendix 5 criteria.

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

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

SECTION 4 – SOURCE OF FILL

Name of person providing fill and relationship to the source:

Stan Gridley, Gridley Excavating LLC, owner of source

Location where fill was obtained:

11250 River Road, Corning, NY

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

NYSDEC permitted gravel mine

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

Source has been also been previously tested and utilized for import fill.

Provide a list of supporting documentation included with this request:

Alpha Analytical Laboratory Report No. L1721580

Gridley Mining Permit

The information provided on this form is accurate and complete.

July 14, 2017

Signature

Date

James Siegfried, P.E.

Print Name

Haley and Aldrich of New York

Firm

PERMIT
Under the Environmental Conservation Law (ECL)

Permittee and Facility Information

Permit Issued To:
GRIDLEY EXCAVATING LLC
41 RIVER ST
CORNING, NY 14830
(607) 368-6455

Facility:
GRIDLEY RIVER ROAD GRAVEL MINE
11250 RIVER RD
CORNING, NY

Facility Location: in CORNING in STEUBEN COUNTY

Facility Principal Reference Point: NYTM-E: 333.287 NYTM-N: 4664.392
Latitude: 42°06'50.1" Longitude: 77°00'59.7"

Project Location: 11250 River Road

Authorized Activity: Permit to mine unconsolidated material from a 5.0 acre perm
term area within a 8.37 acre Life of Mine. Approved operations include crushing
and screening.

Permit Authorizations

Mined Land Reclamation - Under Article 23, Title 27

Permit ID 8-4638-00094/00001

(Mined Land ID 80851)

New Permit

Effective Date: 5/8/2013

Expiration Date: 5/7/2018

Modification # 1

Effective Date: 5/13/2016

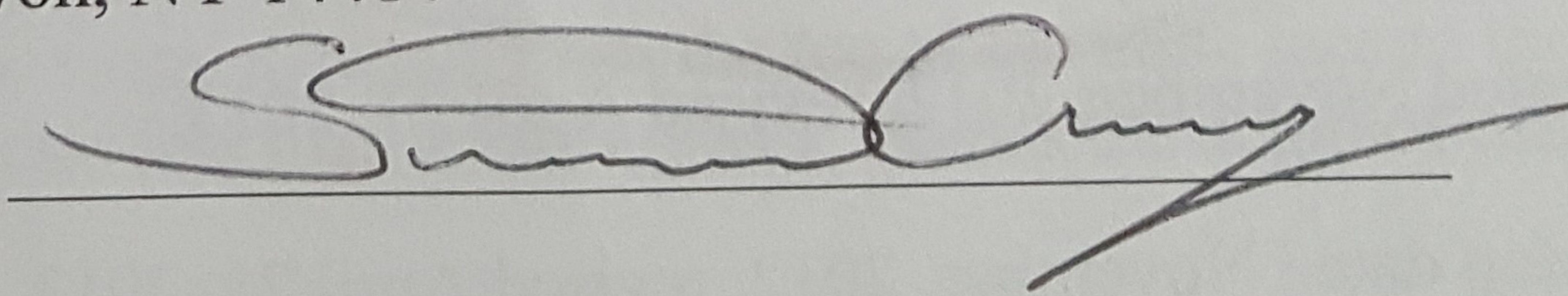
Expiration Date: 5/7/2018

NYSDEC Approval

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict
compliance with the ECL, all applicable regulations, and all conditions included as part of t
permit.

Permit Administrator: STEVEN M ARMY, Deputy Regional Permit Administrator
Address: NYSDEC Region 8 Headquarters
6274 E Avon-Lima Rd
Avon, NY 14414

Authorized Signature:



Date 5/13/2016



ANALYTICAL REPORT

Lab Number:	L1721580
Client:	Haley & Aldrich 200 Town Centre Drive Suite 2 Rochester, NY 14623-4264
ATTN:	Jlm Siegfried
Phone:	(585) 359-9000
Project Name:	Not Specified
Project Number:	33123-035
Report Date:	06/30/17

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

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: Not Specified

Project Number: 33123-035

Lab Number: L1721580

Report Date: 06/30/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1721580-01	4125-062217-1450	SOIL	CORNING, NY	06/22/17 14:50	06/23/17
L1721580-02	4125-062217-1455	SOIL	CORNING, NY	06/22/17 14:55	06/23/17
L1721580-03	4125-062217-1500	SOIL	CORNING, NY	06/22/17 15:00	06/23/17
L1721580-04	4125-062217-1505	SOIL	CORNING, NY	06/22/17 15:05	06/23/17
L1721580-05	4125-062217-1510	SOIL	CORNING, NY	06/22/17 15:10	06/23/17
L1721580-06	4125-062217-1515	SOIL	CORNING, NY	06/22/17 15:15	06/23/17
L1721580-07	4125-062217-1520	SOIL	CORNING, NY	06/22/17 15:20	06/23/17
L1721580-08	4125-062217-1525	SOIL	CORNING, NY	06/22/17 15:25	06/23/17
L1721580-09	4125-062217-1530	SOIL	CORNING, NY	06/22/17 15:30	06/23/17

Project Name: Not Specified
Project Number: 33123-035

Lab Number: L1721580
Report Date: 06/30/17

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: Not Specified
Project Number: 33123-035

Lab Number: L1721580
Report Date: 06/30/17

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

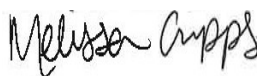
Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Metals

L1721580-08 and -09 (4125-062217-1525 and 4125-062217-1530): 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:

 Melissa Cripps

Title: Technical Director/Representative

Date: 06/30/17

ORGANICS

VOLATILES

Project Name: Not Specified

Lab Number: L1721580

Project Number: 33123-035

Report Date: 06/30/17

SAMPLE RESULTS

Lab ID: L1721580-01
 Client ID: 4125-062217-1450
 Sample Location: CORNING, NY

Date Collected: 06/22/17 14:50
 Date Received: 06/23/17
 Field Prep: Not Specified

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/28/17 09:34
 Analyst: JC
 Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.9	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.31	1
Chloroform	ND		ug/kg	1.7	0.42	1
Carbon tetrachloride	ND		ug/kg	1.1	0.39	1
Tetrachloroethene	ND		ug/kg	1.1	0.34	1
Chlorobenzene	ND		ug/kg	1.1	0.39	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.40	1
Benzene	ND		ug/kg	1.1	0.22	1
Toluene	ND		ug/kg	1.7	0.22	1
Ethylbenzene	ND		ug/kg	1.1	0.19	1
Vinyl chloride	ND		ug/kg	2.3	0.36	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.42	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.27	1
Trichloroethene	ND		ug/kg	1.1	0.34	1
1,2-Dichlorobenzene	ND		ug/kg	5.7	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	5.7	0.25	1
1,4-Dichlorobenzene	ND		ug/kg	5.7	0.21	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.17	1
p/m-Xylene	ND		ug/kg	2.3	0.40	1
o-Xylene	ND		ug/kg	2.3	0.38	1
Xylenes, Total	ND		ug/kg	2.3	0.38	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.39	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.27	1
Acetone	ND		ug/kg	11	2.6	1
2-Butanone	ND		ug/kg	11	0.78	1
n-Butylbenzene	ND		ug/kg	1.1	0.26	1
sec-Butylbenzene	ND		ug/kg	1.1	0.25	1
tert-Butylbenzene	ND		ug/kg	5.7	0.28	1
n-Propylbenzene	ND		ug/kg	1.1	0.24	1

Project Name: Not Specified

Lab Number: L1721580

Project Number: 33123-035

Report Date: 06/30/17

SAMPLE RESULTS

Lab ID: L1721580-01
 Client ID: 4125-062217-1450
 Sample Location: CORNING, NY

Date Collected: 06/22/17 14:50
 Date Received: 06/23/17
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/kg	5.7	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.7	0.21	1
1,4-Dioxane	ND		ug/kg	45	16.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	96		70-130

Project Name: Not Specified

Lab Number: L1721580

Project Number: 33123-035

Report Date: 06/30/17

SAMPLE RESULTS

Lab ID: L1721580-02
 Client ID: 4125-062217-1455
 Sample Location: CORNING, NY

Date Collected: 06/22/17 14:55
 Date Received: 06/23/17
 Field Prep: Not Specified

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/28/17 10:02
 Analyst: JC
 Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	9.0	1.5	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.24	1
Chloroform	ND		ug/kg	1.4	0.33	1
Carbon tetrachloride	ND		ug/kg	0.90	0.31	1
Tetrachloroethene	ND		ug/kg	0.90	0.27	1
Chlorobenzene	ND		ug/kg	0.90	0.31	1
1,2-Dichloroethane	ND		ug/kg	0.90	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	0.90	0.32	1
Benzene	ND		ug/kg	0.90	0.17	1
Toluene	ND		ug/kg	1.4	0.18	1
Ethylbenzene	ND		ug/kg	0.90	0.15	1
Vinyl chloride	ND		ug/kg	1.8	0.28	1
1,1-Dichloroethene	ND		ug/kg	0.90	0.34	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.22	1
Trichloroethene	ND		ug/kg	0.90	0.27	1
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	0.30	1
Xylenes, Total	ND		ug/kg	1.8	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	0.90	0.31	1
1,2-Dichloroethene, Total	ND		ug/kg	0.90	0.22	1
Acetone	ND		ug/kg	9.0	2.1	1
2-Butanone	ND		ug/kg	9.0	0.62	1
n-Butylbenzene	ND		ug/kg	0.90	0.21	1
sec-Butylbenzene	ND		ug/kg	0.90	0.20	1
tert-Butylbenzene	ND		ug/kg	4.5	0.22	1
n-Propylbenzene	ND		ug/kg	0.90	0.19	1

Project Name: Not Specified

Lab Number: L1721580

Project Number: 33123-035

Report Date: 06/30/17

SAMPLE RESULTS

Lab ID: L1721580-02
 Client ID: 4125-062217-1455
 Sample Location: CORNING, NY

Date Collected: 06/22/17 14:55
 Date Received: 06/23/17
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/kg	4.5	0.14	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.5	0.17	1
1,4-Dioxane	ND		ug/kg	36	13.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	96		70-130

Project Name: Not Specified

Lab Number: L1721580

Project Number: 33123-035

Report Date: 06/30/17

SAMPLE RESULTS

Lab ID: L1721580-03
 Client ID: 4125-062217-1500
 Sample Location: CORNING, NY

Date Collected: 06/22/17 15:00
 Date Received: 06/23/17
 Field Prep: Not Specified

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/28/17 10:29
 Analyst: JC
 Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	8.4	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	0.84	0.29	1
Tetrachloroethene	ND		ug/kg	0.84	0.25	1
Chlorobenzene	ND		ug/kg	0.84	0.29	1
1,2-Dichloroethane	ND		ug/kg	0.84	0.21	1
1,1,1-Trichloroethane	ND		ug/kg	0.84	0.30	1
Benzene	ND		ug/kg	0.84	0.16	1
Toluene	ND		ug/kg	1.3	0.16	1
Ethylbenzene	ND		ug/kg	0.84	0.14	1
Vinyl chloride	ND		ug/kg	1.7	0.26	1
1,1-Dichloroethene	ND		ug/kg	0.84	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.20	1
Trichloroethene	ND		ug/kg	0.84	0.25	1
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	0.28	1
Xylenes, Total	ND		ug/kg	1.7	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.84	0.29	1
1,2-Dichloroethene, Total	ND		ug/kg	0.84	0.20	1
Acetone	ND		ug/kg	8.4	1.9	1
2-Butanone	ND		ug/kg	8.4	0.58	1
n-Butylbenzene	ND		ug/kg	0.84	0.19	1
sec-Butylbenzene	ND		ug/kg	0.84	0.18	1
tert-Butylbenzene	ND		ug/kg	4.2	0.21	1
n-Propylbenzene	ND		ug/kg	0.84	0.18	1

Project Name: Not Specified

Lab Number: L1721580

Project Number: 33123-035

Report Date: 06/30/17

SAMPLE RESULTS

Lab ID: L1721580-03
 Client ID: 4125-062217-1500
 Sample Location: CORNING, NY

Date Collected: 06/22/17 15:00
 Date Received: 06/23/17
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/kg	4.2	0.14	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.2	0.16	1
1,4-Dioxane	ND		ug/kg	34	12.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	96		70-130

Project Name: Not Specified

Lab Number: L1721580

Project Number: 33123-035

Report Date: 06/30/17

SAMPLE RESULTS

Lab ID: L1721580-04
 Client ID: 4125-062217-1505
 Sample Location: CORNING, NY

Date Collected: 06/22/17 15:05
 Date Received: 06/23/17
 Field Prep: Not Specified

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/28/17 11:24
 Analyst: MV
 Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.9	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.32	1
Chloroform	ND		ug/kg	1.8	0.43	1
Carbon tetrachloride	ND		ug/kg	1.2	0.40	1
Tetrachloroethene	ND		ug/kg	1.2	0.35	1
Chlorobenzene	ND		ug/kg	1.2	0.41	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.29	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.41	1
Benzene	ND		ug/kg	1.2	0.23	1
Toluene	ND		ug/kg	1.8	0.23	1
Ethylbenzene	ND		ug/kg	1.2	0.20	1
Vinyl chloride	ND		ug/kg	2.3	0.37	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.44	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.28	1
Trichloroethene	ND		ug/kg	1.2	0.35	1
1,2-Dichlorobenzene	ND		ug/kg	5.9	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	5.9	0.26	1
1,4-Dichlorobenzene	ND		ug/kg	5.9	0.21	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.18	1
p/m-Xylene	ND		ug/kg	2.3	0.41	1
o-Xylene	ND		ug/kg	2.3	0.40	1
Xylenes, Total	ND		ug/kg	2.3	0.40	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.40	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.28	1
Acetone	ND		ug/kg	12	2.7	1
2-Butanone	ND		ug/kg	12	0.81	1
n-Butylbenzene	ND		ug/kg	1.2	0.27	1
sec-Butylbenzene	ND		ug/kg	1.2	0.25	1
tert-Butylbenzene	ND		ug/kg	5.9	0.29	1
n-Propylbenzene	ND		ug/kg	1.2	0.25	1

Project Name: Not Specified

Lab Number: L1721580

Project Number: 33123-035

Report Date: 06/30/17

SAMPLE RESULTS

Lab ID: L1721580-04

Date Collected: 06/22/17 15:05

Client ID: 4125-062217-1505

Date Received: 06/23/17

Sample Location: CORNING, NY

Field Prep: Not Specified

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

1,3,5-Trimethylbenzene	ND		ug/kg	5.9	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.9	0.22	1
1,4-Dioxane	ND		ug/kg	47	17.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	99		70-130

Project Name: Not Specified

Lab Number: L1721580

Project Number: 33123-035

Report Date: 06/30/17

SAMPLE RESULTS

Lab ID: L1721580-05
 Client ID: 4125-062217-1510
 Sample Location: CORNING, NY

Date Collected: 06/22/17 15:10
 Date Received: 06/23/17
 Field Prep: Not Specified

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/28/17 11:51
 Analyst: MV
 Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	9.0	1.5	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.24	1
Chloroform	ND		ug/kg	1.4	0.33	1
Carbon tetrachloride	ND		ug/kg	0.90	0.31	1
Tetrachloroethene	ND		ug/kg	0.90	0.27	1
Chlorobenzene	ND		ug/kg	0.90	0.31	1
1,2-Dichloroethane	ND		ug/kg	0.90	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	0.90	0.32	1
Benzene	ND		ug/kg	0.90	0.17	1
Toluene	ND		ug/kg	1.4	0.18	1
Ethylbenzene	ND		ug/kg	0.90	0.15	1
Vinyl chloride	ND		ug/kg	1.8	0.28	1
1,1-Dichloroethene	ND		ug/kg	0.90	0.34	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.22	1
Trichloroethene	ND		ug/kg	0.90	0.27	1
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	0.30	1
Xylenes, Total	ND		ug/kg	1.8	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	0.90	0.31	1
1,2-Dichloroethene, Total	ND		ug/kg	0.90	0.22	1
Acetone	ND		ug/kg	9.0	2.1	1
2-Butanone	ND		ug/kg	9.0	0.62	1
n-Butylbenzene	ND		ug/kg	0.90	0.20	1
sec-Butylbenzene	ND		ug/kg	0.90	0.20	1
tert-Butylbenzene	ND		ug/kg	4.5	0.22	1
n-Propylbenzene	ND		ug/kg	0.90	0.19	1

Project Name: Not Specified

Lab Number: L1721580

Project Number: 33123-035

Report Date: 06/30/17

SAMPLE RESULTS

Lab ID: L1721580-05
 Client ID: 4125-062217-1510
 Sample Location: CORNING, NY

Date Collected: 06/22/17 15:10
 Date Received: 06/23/17
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/kg	4.5	0.14	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.5	0.17	1
1,4-Dioxane	ND		ug/kg	36	13.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	99		70-130

Project Name: Not Specified

Lab Number: L1721580

Project Number: 33123-035

Report Date: 06/30/17

SAMPLE RESULTS

Lab ID: L1721580-06
 Client ID: 4125-062217-1515
 Sample Location: CORNING, NY

Date Collected: 06/22/17 15:15
 Date Received: 06/23/17
 Field Prep: Not Specified

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/28/17 12:19
 Analyst: MV
 Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.8	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.30	1
Chloroform	ND		ug/kg	1.7	0.41	1
Carbon tetrachloride	ND		ug/kg	1.1	0.38	1
Tetrachloroethene	ND		ug/kg	1.1	0.33	1
Chlorobenzene	ND		ug/kg	1.1	0.38	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.39	1
Benzene	ND		ug/kg	1.1	0.21	1
Toluene	ND		ug/kg	1.7	0.22	1
Ethylbenzene	ND		ug/kg	1.1	0.19	1
Vinyl chloride	ND		ug/kg	2.2	0.35	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.41	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.27	1
Trichloroethene	ND		ug/kg	1.1	0.33	1
1,2-Dichlorobenzene	ND		ug/kg	5.5	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	5.5	0.24	1
1,4-Dichlorobenzene	ND		ug/kg	5.5	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.17	1
p/m-Xylene	ND		ug/kg	2.2	0.39	1
o-Xylene	ND		ug/kg	2.2	0.37	1
Xylenes, Total	ND		ug/kg	2.2	0.37	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.38	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.27	1
Acetone	ND		ug/kg	11	2.5	1
2-Butanone	ND		ug/kg	11	0.76	1
n-Butylbenzene	ND		ug/kg	1.1	0.25	1
sec-Butylbenzene	ND		ug/kg	1.1	0.24	1
tert-Butylbenzene	ND		ug/kg	5.5	0.27	1
n-Propylbenzene	ND		ug/kg	1.1	0.24	1

Project Name: Not Specified

Lab Number: L1721580

Project Number: 33123-035

Report Date: 06/30/17

SAMPLE RESULTS

Lab ID: L1721580-06
 Client ID: 4125-062217-1515
 Sample Location: CORNING, NY

Date Collected: 06/22/17 15:15
 Date Received: 06/23/17
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/kg	5.5	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.5	0.20	1
1,4-Dioxane	ND		ug/kg	44	16.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	98		70-130

Project Name: Not Specified

Lab Number: L1721580

Project Number: 33123-035

Report Date: 06/30/17

SAMPLE RESULTS

Lab ID: L1721580-07
 Client ID: 4125-062217-1520
 Sample Location: CORNING, NY

Date Collected: 06/22/17 15:20
 Date Received: 06/23/17
 Field Prep: Not Specified

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/28/17 12:46
 Analyst: MV
 Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.8	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.30	1
Chloroform	ND		ug/kg	1.7	0.41	1
Carbon tetrachloride	ND		ug/kg	1.1	0.38	1
Tetrachloroethene	ND		ug/kg	1.1	0.34	1
Chlorobenzene	ND		ug/kg	1.1	0.39	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.39	1
Benzene	ND		ug/kg	1.1	0.22	1
Toluene	ND		ug/kg	1.7	0.22	1
Ethylbenzene	ND		ug/kg	1.1	0.19	1
Vinyl chloride	ND		ug/kg	2.2	0.35	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.41	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.27	1
Trichloroethene	ND		ug/kg	1.1	0.34	1
1,2-Dichlorobenzene	ND		ug/kg	5.6	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	5.6	0.24	1
1,4-Dichlorobenzene	ND		ug/kg	5.6	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.17	1
p/m-Xylene	ND		ug/kg	2.2	0.39	1
o-Xylene	ND		ug/kg	2.2	0.38	1
Xylenes, Total	ND		ug/kg	2.2	0.38	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.38	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.27	1
Acetone	ND		ug/kg	11	2.6	1
2-Butanone	ND		ug/kg	11	0.77	1
n-Butylbenzene	ND		ug/kg	1.1	0.25	1
sec-Butylbenzene	ND		ug/kg	1.1	0.24	1
tert-Butylbenzene	ND		ug/kg	5.6	0.28	1
n-Propylbenzene	ND		ug/kg	1.1	0.24	1

Project Name: Not Specified

Lab Number: L1721580

Project Number: 33123-035

Report Date: 06/30/17

SAMPLE RESULTS

Lab ID: L1721580-07
 Client ID: 4125-062217-1520
 Sample Location: CORNING, NY

Date Collected: 06/22/17 15:20
 Date Received: 06/23/17
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3,5-Trimethylbenzene	ND		ug/kg	5.6	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.6	0.21	1
1,4-Dioxane	ND		ug/kg	44	16.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	99		70-130

Project Name: Not Specified

Lab Number: L1721580

Project Number: 33123-035

Report Date: 06/30/17

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/28/17 09:07
 Analyst: CBN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1017914-5					
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
Tetrachloroethene	ND		ug/kg	1.0	0.30
Chlorobenzene	ND		ug/kg	1.0	0.35
1,2-Dichloroethane	ND		ug/kg	1.0	0.25
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.35
Benzene	ND		ug/kg	1.0	0.19
Toluene	ND		ug/kg	1.5	0.20
Ethylbenzene	ND		ug/kg	1.0	0.17
Vinyl chloride	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
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
Acetone	ND		ug/kg	10	2.3
2-Butanone	ND		ug/kg	10	0.69
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

Project Name: Not Specified

Lab Number: L1721580

Project Number: 33123-035

Report Date: 06/30/17

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/28/17 09:07
 Analyst: CBN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1017914-5					
n-Propylbenzene	ND		ug/kg	1.0	0.22
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.16
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.19
1,4-Dioxane	ND		ug/kg	40	14.

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: Not Specified

Project Number: 33123-035

Lab Number: L1721580

Report Date: 06/30/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1017914-3 WG1017914-4								
Methylene chloride	109		105		70-130	4		30
1,1-Dichloroethane	109		107		70-130	2		30
Chloroform	108		105		70-130	3		30
Carbon tetrachloride	97		97		70-130	0		30
Tetrachloroethene	103		102		70-130	1		30
Chlorobenzene	100		99		70-130	1		30
1,2-Dichloroethane	105		105		70-130	0		30
1,1,1-Trichloroethane	106		103		70-130	3		30
Benzene	110		109		70-130	1		30
Toluene	103		102		70-130	1		30
Ethylbenzene	105		104		70-130	1		30
Vinyl chloride	117		116		67-130	1		30
1,1-Dichloroethene	140	Q	128		65-135	9		30
trans-1,2-Dichloroethene	102		101		70-130	1		30
Trichloroethene	110		108		70-130	2		30
1,2-Dichlorobenzene	97		97		70-130	0		30
1,3-Dichlorobenzene	99		98		70-130	1		30
1,4-Dichlorobenzene	95		96		70-130	1		30
Methyl tert butyl ether	96		96		66-130	0		30
p/m-Xylene	105		104		70-130	1		30
o-Xylene	102		101		70-130	1		30
cis-1,2-Dichloroethene	101		102		70-130	1		30
Acetone	92		98		54-140	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Lab Number: L1721580

Project Number: 33123-035

Report Date: 06/30/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1017914-3 WG1017914-4								
2-Butanone	89		99		70-130	11		30
n-Butylbenzene	114		112		70-130	2		30
sec-Butylbenzene	112		110		70-130	2		30
tert-Butylbenzene	103		99		70-130	4		30
n-Propylbenzene	106		106		70-130	0		30
1,3,5-Trimethylbenzene	103		103		70-130	0		30
1,2,4-Trimethylbenzene	101		101		70-130	0		30
1,4-Dioxane	116		121		65-136	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		98		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	93		95		70-130
Dibromofluoromethane	98		94		70-130

SEMIVOLATILES

Project Name: Not Specified

Lab Number: L1721580

Project Number: 33123-035

Report Date: 06/30/17

SAMPLE RESULTS

Lab ID: L1721580-08
 Client ID: 4125-062217-1525
 Sample Location: CORNING, NY

Date Collected: 06/22/17 15:25
 Date Received: 06/23/17
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 06/27/17 09:04

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 06/28/17 07:01
 Analyst: SZ
 Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Fluoranthene	ND		ug/kg	100	20.	1
Naphthalene	ND		ug/kg	170	21.	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
Dibenzofuran	ND		ug/kg	170	16.	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: Not Specified

Lab Number: L1721580

Project Number: 33123-035

Report Date: 06/30/17

SAMPLE RESULTS

Lab ID: L1721580-08

Date Collected: 06/22/17 15:25

Client ID: 4125-062217-1525

Date Received: 06/23/17

Sample Location: CORNING, NY

Field Prep: Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		25-120
Phenol-d6	62		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	57		30-120
2,4,6-Tribromophenol	71		10-136
4-Terphenyl-d14	61		18-120

Project Name: Not Specified**Lab Number:** L1721580**Project Number:** 33123-035**Report Date:** 06/30/17**SAMPLE RESULTS**

Lab ID: L1721580-09
 Client ID: 4125-062217-1530
 Sample Location: CORNING, NY

Date Collected: 06/22/17 15:30
 Date Received: 06/23/17
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 06/27/17 09:28

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 06/28/17 07:27
 Analyst: SZ
 Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Fluoranthene	ND		ug/kg	100	20.	1
Naphthalene	ND		ug/kg	170	21.	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
Dibenzofuran	ND		ug/kg	170	16.	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: Not Specified

Lab Number: L1721580

Project Number: 33123-035

Report Date: 06/30/17

SAMPLE RESULTS

Lab ID: L1721580-09
 Client ID: 4125-062217-1530
 Sample Location: CORNING, NY

Date Collected: 06/22/17 15:30
 Date Received: 06/23/17
 Field Prep: Not Specified

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	70		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	63		30-120
2,4,6-Tribromophenol	75		10-136
4-Terphenyl-d14	65		18-120

Project Name: Not Specified

Lab Number: L1721580

Project Number: 33123-035

Report Date: 06/30/17

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 06/28/17 05:16
 Analyst: SZ

Extraction Method: EPA 3546
 Extraction Date: 06/27/17 09:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 08-09 Batch: WG1017337-1					
Acenaphthene	ND		ug/kg	130	17.
Hexachlorobenzene	ND		ug/kg	99	18.
Fluoranthene	ND		ug/kg	99	19.
Naphthalene	ND		ug/kg	160	20.
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.
Dibenzofuran	ND		ug/kg	160	16.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg

Project Name: Not Specified

Lab Number: L1721580

Project Number: 33123-035

Report Date: 06/30/17

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 06/28/17 05:16
 Analyst: SZ

Extraction Method: EPA 3546
 Extraction Date: 06/27/17 09:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 08-09 Batch: WG1017337-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	75		10-136
4-Terphenyl-d14	71		18-120

Lab Control Sample Analysis **Batch Quality Control**

Project Name: Not Specified

Project Number: 33123-035

Lab Number: L1721580

Report Date: 06/30/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-09 Batch: WG1017337-2 WG1017337-3								
Acenaphthene	73		76		31-137	4		50
Hexachlorobenzene	72		74		40-140	3		50
Fluoranthene	76		79		40-140	4		50
Naphthalene	72		74		40-140	3		50
Benzo(a)anthracene	74		77		40-140	4		50
Benzo(a)pyrene	74		78		40-140	5		50
Benzo(b)fluoranthene	71		76		40-140	7		50
Benzo(k)fluoranthene	74		78		40-140	5		50
Chrysene	72		77		40-140	7		50
Acenaphthylene	76		78		40-140	3		50
Anthracene	76		78		40-140	3		50
Benzo(ghi)perylene	73		76		40-140	4		50
Fluorene	76		79		40-140	4		50
Phenanthrene	73		75		40-140	3		50
Dibenzo(a,h)anthracene	72		75		40-140	4		50
Indeno(1,2,3-cd)pyrene	74		76		40-140	3		50
Pyrene	76		78		35-142	3		50
Dibenzofuran	75		77		40-140	3		50
Pentachlorophenol	69		67		17-109	3		50
Phenol	79		83		26-90	5		50
2-Methylphenol	82		84		30-130	2		50
3-Methylphenol/4-Methylphenol	80		85		30-130	6		50

Lab Control Sample Analysis Batch Quality Control

Project Name: Not Specified

Project Number: 33123-035

Lab Number: L1721580

Report Date: 06/30/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-09 Batch: WG1017337-2 WG1017337-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	74		77		25-120
Phenol-d6	76		80		10-120
Nitrobenzene-d5	80		83		23-120
2-Fluorobiphenyl	68		69		30-120
2,4,6-Tribromophenol	74		77		10-136
4-Terphenyl-d14	67		69		18-120

PCBS

Project Name: Not Specified**Lab Number:** L1721580**Project Number:** 33123-035**Report Date:** 06/30/17**SAMPLE RESULTS**

Lab ID: L1721580-08
 Client ID: 4125-062217-1525
 Sample Location: CORNING, NY

Date Collected: 06/22/17 15:25
 Date Received: 06/23/17
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 06/27/17 01:42
 Cleanup Method: EPA 3665A
 Cleanup Date: 06/27/17
 Cleanup Method: EPA 3660B
 Cleanup Date: 06/27/17

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 06/28/17 20:42
 Analyst: JA
 Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.5	2.73	1	A
Aroclor 1221	ND		ug/kg	34.5	3.18	1	A
Aroclor 1232	ND		ug/kg	34.5	4.04	1	A
Aroclor 1242	ND		ug/kg	34.5	4.22	1	A
Aroclor 1248	ND		ug/kg	34.5	2.91	1	A
Aroclor 1254	ND		ug/kg	34.5	2.84	1	A
Aroclor 1260	ND		ug/kg	34.5	2.63	1	A
Aroclor 1262	ND		ug/kg	34.5	1.71	1	A
Aroclor 1268	ND		ug/kg	34.5	5.00	1	A
PCBs, Total	ND		ug/kg	34.5	1.71	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	59		30-150	B

Project Name: Not Specified**Lab Number:** L1721580**Project Number:** 33123-035**Report Date:** 06/30/17**SAMPLE RESULTS**

Lab ID: L1721580-09
 Client ID: 4125-062217-1530
 Sample Location: CORNING, NY

Date Collected: 06/22/17 15:30
 Date Received: 06/23/17
 Field Prep: Not Specified

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 06/28/17 20:55
 Analyst: JA
 Percent Solids: 93%

Extraction Method: EPA 3546
 Extraction Date: 06/27/17 01:42
 Cleanup Method: EPA 3665A
 Cleanup Date: 06/27/17
 Cleanup Method: EPA 3660B
 Cleanup Date: 06/27/17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.3	2.79	1	A
Aroclor 1221	ND		ug/kg	35.3	3.26	1	A
Aroclor 1232	ND		ug/kg	35.3	4.14	1	A
Aroclor 1242	ND		ug/kg	35.3	4.33	1	A
Aroclor 1248	ND		ug/kg	35.3	2.98	1	A
Aroclor 1254	ND		ug/kg	35.3	2.90	1	A
Aroclor 1260	ND		ug/kg	35.3	2.69	1	A
Aroclor 1262	ND		ug/kg	35.3	1.75	1	A
Aroclor 1268	ND		ug/kg	35.3	5.12	1	A
PCBs, Total	ND		ug/kg	35.3	1.75	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: Not Specified

Lab Number: L1721580

Project Number: 33123-035

Report Date: 06/30/17

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 06/27/17 22:56
 Analyst: JW

Extraction Method: EPA 3546
 Extraction Date: 06/26/17 10:47
 Cleanup Method: EPA 3665A
 Cleanup Date: 06/26/17
 Cleanup Method: EPA 3660B
 Cleanup Date: 06/26/17

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 08-09 Batch: WG1016991-1						
Aroclor 1016	ND		ug/kg	31.6	2.50	A
Aroclor 1221	ND		ug/kg	31.6	2.92	A
Aroclor 1232	ND		ug/kg	31.6	3.71	A
Aroclor 1242	ND		ug/kg	31.6	3.87	A
Aroclor 1248	ND		ug/kg	31.6	2.67	A
Aroclor 1254	ND		ug/kg	31.6	2.60	A
Aroclor 1260	ND		ug/kg	31.6	2.41	A
Aroclor 1262	ND		ug/kg	31.6	1.57	A
Aroclor 1268	ND		ug/kg	31.6	4.59	A
PCBs, Total	ND		ug/kg	31.6	1.57	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	71		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: Not Specified

Project Number: 33123-035

Lab Number: L1721580

Report Date: 06/30/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 08-09 Batch: WG1016991-2 WG1016991-3									
Aroclor 1016	76		84		40-140	10		50	A
Aroclor 1260	70		79		40-140	12		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		97		30-150	A
Decachlorobiphenyl	68		79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		97		30-150	B
Decachlorobiphenyl	72		80		30-150	B

PESTICIDES

Project Name: Not Specified

Lab Number: L1721580

Project Number: 33123-035

Report Date: 06/30/17

SAMPLE RESULTS

Lab ID: L1721580-08
 Client ID: 4125-062217-1525
 Sample Location: CORNING, NY

Date Collected: 06/22/17 15:25
 Date Received: 06/23/17
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 06/27/17 01:13
 Cleanup Method: EPA 3620B
 Cleanup Date: 06/27/17

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 06/28/17 22:34
 Analyst: KEG
 Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.65	0.324	1	A
Lindane	ND		ug/kg	0.689	0.308	1	A
Alpha-BHC	ND		ug/kg	0.689	0.196	1	A
Beta-BHC	ND		ug/kg	1.65	0.627	1	A
Heptachlor	ND		ug/kg	0.827	0.371	1	A
Aldrin	ND		ug/kg	1.65	0.582	1	A
Endrin	ND		ug/kg	0.689	0.282	1	A
Dieldrin	ND		ug/kg	1.03	0.517	1	A
4,4'-DDE	ND		ug/kg	1.65	0.382	1	A
4,4'-DDD	ND		ug/kg	1.65	0.590	1	A
4,4'-DDT	ND		ug/kg	3.10	1.33	1	A
Endosulfan I	ND		ug/kg	1.65	0.391	1	A
Endosulfan II	ND		ug/kg	1.65	0.553	1	A
Endosulfan sulfate	ND		ug/kg	0.689	0.328	1	A
cis-Chlordane	ND		ug/kg	2.07	0.576	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	68		30-150	B
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	64		30-150	A

Project Name: Not Specified**Lab Number:** L1721580**Project Number:** 33123-035**Report Date:** 06/30/17**SAMPLE RESULTS**

Lab ID: L1721580-08
 Client ID: 4125-062217-1525
 Sample Location: CORNING, NY

Date Collected: 06/22/17 15:25
 Date Received: 06/23/17
 Field Prep: Not Specified
 Extraction Method: EPA 8151A
 Extraction Date: 06/26/17 15:54

Matrix: Soil
 Analytical Method: 1,8151A
 Analytical Date: 06/27/17 13:38
 Analyst: SL
 Percent Solids: 93%
 Methylation Date: 06/27/17 05:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4,5-TP (Silvex)	ND		ug/kg	174	4.62	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	74		30-150	A
DCAA	74		30-150	B

Project Name: Not Specified

Lab Number: L1721580

Project Number: 33123-035

Report Date: 06/30/17

SAMPLE RESULTS

Lab ID: L1721580-09
 Client ID: 4125-062217-1530
 Sample Location: CORNING, NY

Date Collected: 06/22/17 15:30
 Date Received: 06/23/17
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 06/27/17 01:13
 Cleanup Method: EPA 3620B
 Cleanup Date: 06/27/17

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 06/28/17 22:47
 Analyst: KEG
 Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.67	0.327	1	A
Lindane	ND		ug/kg	0.696	0.311	1	A
Alpha-BHC	ND		ug/kg	0.696	0.198	1	A
Beta-BHC	ND		ug/kg	1.67	0.633	1	A
Heptachlor	ND		ug/kg	0.835	0.374	1	A
Aldrin	ND		ug/kg	1.67	0.588	1	A
Endrin	ND		ug/kg	0.696	0.285	1	A
Dieldrin	ND		ug/kg	1.04	0.522	1	A
4,4'-DDE	ND		ug/kg	1.67	0.386	1	A
4,4'-DDD	ND		ug/kg	1.67	0.595	1	A
4,4'-DDT	ND		ug/kg	3.13	1.34	1	A
Endosulfan I	ND		ug/kg	1.67	0.394	1	A
Endosulfan II	ND		ug/kg	1.67	0.558	1	A
Endosulfan sulfate	ND		ug/kg	0.696	0.331	1	A
cis-Chlordane	ND		ug/kg	2.09	0.581	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	68		30-150	B
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	54		30-150	A

Project Name: Not Specified**Lab Number:** L1721580**Project Number:** 33123-035**Report Date:** 06/30/17**SAMPLE RESULTS**

Lab ID: L1721580-09
 Client ID: 4125-062217-1530
 Sample Location: CORNING, NY

Date Collected: 06/22/17 15:30
 Date Received: 06/23/17
 Field Prep: Not Specified
 Extraction Method: EPA 8151A
 Extraction Date: 06/26/17 15:54

Matrix: Soil
 Analytical Method: 1,8151A
 Analytical Date: 06/27/17 13:16
 Analyst: SL
 Percent Solids: 93%
 Methylation Date: 06/27/17 05:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4,5-TP (Silvex)	ND		ug/kg	176	4.68	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	77		30-150	A
DCAA	74		30-150	B

Project Name: Not Specified

Lab Number: L1721580

Project Number: 33123-035

Report Date: 06/30/17

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 06/28/17 12:58
 Analyst: DM

Extraction Method: EPA 3546
 Extraction Date: 06/26/17 15:04
 Cleanup Method: EPA 3620B
 Cleanup Date: 06/26/17

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 08-09 Batch: WG1017086-1						
Delta-BHC	ND		ug/kg	1.53	0.300	A
Lindane	ND		ug/kg	0.638	0.285	A
Alpha-BHC	ND		ug/kg	0.638	0.181	A
Beta-BHC	ND		ug/kg	1.53	0.581	A
Heptachlor	ND		ug/kg	0.766	0.344	A
Aldrin	ND		ug/kg	1.53	0.540	A
Endrin	ND		ug/kg	0.638	0.262	A
Dieldrin	ND		ug/kg	0.958	0.479	A
4,4'-DDE	ND		ug/kg	1.53	0.354	A
4,4'-DDD	ND		ug/kg	1.53	0.547	A
4,4'-DDT	ND		ug/kg	2.87	1.23	A
Endosulfan I	ND		ug/kg	1.53	0.362	A
Endosulfan II	ND		ug/kg	1.53	0.512	A
Endosulfan sulfate	ND		ug/kg	0.638	0.304	A
cis-Chlordane	ND		ug/kg	1.92	0.534	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	72		30-150	B
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	60		30-150	A

Project Name: Not Specified

Lab Number: L1721580

Project Number: 33123-035

Report Date: 06/30/17

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8151A
 Analytical Date: 06/27/17 09:44
 Analyst: SL

Extraction Method: EPA 8151A
 Extraction Date: 06/26/17 15:54

Methylation Date: 06/27/17 05:25

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 08-09 Batch: WG1017112-1						
2,4,5-TP (Silvex)	ND		ug/kg	162	4.30	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	79		30-150	A
DCAA	81		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 33123-035

Lab Number: L1721580

Report Date: 06/30/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 08-09 Batch: WG1017086-2 WG1017086-3									
Delta-BHC	77		67		30-150	14		30	A
Lindane	74		64		30-150	14		30	A
Alpha-BHC	76		65		30-150	16		30	A
Beta-BHC	96		77		30-150	22		30	A
Heptachlor	89		80		30-150	11		30	A
Aldrin	71		63		30-150	12		30	A
Endrin	85		74		30-150	14		30	A
Dieldrin	79		69		30-150	14		30	A
4,4'-DDE	78		68		30-150	14		30	A
4,4'-DDD	80		70		30-150	13		30	A
4,4'-DDT	85		74		30-150	14		30	A
Endosulfan I	72		64		30-150	12		30	A
Endosulfan II	86		73		30-150	16		30	A
Endosulfan sulfate	71		63		30-150	12		30	A
cis-Chlordane	80		70		30-150	13		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		59		30-150	B
Decachlorobiphenyl	62		56		30-150	B
2,4,5,6-Tetrachloro-m-xylene	67		55		30-150	A
Decachlorobiphenyl	57		47		30-150	A

Lab Control Sample Analysis Batch Quality Control

Project Name: Not Specified

Project Number: 33123-035

Lab Number: L1721580

Report Date: 06/30/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 08-09 Batch: WG1017112-2 WG1017112-3									
2,4,5-TP (Silvex)	39		64		30-150	49	Q	30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	48		74		30-150	A
DCAA	43		77		30-150	B

METALS

Project Name: Not Specified

Lab Number: L1721580

Project Number: 33123-035

Report Date: 06/30/17

SAMPLE RESULTS

Lab ID: L1721580-08

Date Collected: 06/22/17 15:25

Client ID: 4125-062217-1525

Date Received: 06/23/17

Sample Location: CORNING, NY

Field Prep: Not Specified

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											
Arsenic, Total	5.40		mg/kg	0.845	0.176	2	06/26/17 22:12	06/28/17 14:12	EPA 3050B	1,6010C	PS
Barium, Total	44.3		mg/kg	0.845	0.147	2	06/26/17 22:12	06/28/17 14:12	EPA 3050B	1,6010C	PS
Beryllium, Total	0.177	J	mg/kg	0.422	0.028	2	06/26/17 22:12	06/28/17 14:12	EPA 3050B	1,6010C	PS
Cadmium, Total	0.279	J	mg/kg	0.845	0.083	2	06/26/17 22:12	06/28/17 14:12	EPA 3050B	1,6010C	PS
Chromium, Total	5.29		mg/kg	0.845	0.081	2	06/26/17 22:12	06/28/17 14:12	EPA 3050B	1,6010C	PS
Copper, Total	12.5		mg/kg	0.845	0.218	2	06/26/17 22:12	06/28/17 14:12	EPA 3050B	1,6010C	PS
Lead, Total	5.76		mg/kg	4.22	0.226	2	06/26/17 22:12	06/28/17 14:12	EPA 3050B	1,6010C	PS
Manganese, Total	358		mg/kg	0.845	0.134	2	06/26/17 22:12	06/28/17 14:12	EPA 3050B	1,6010C	PS
Mercury, Total	0.02	J	mg/kg	0.07	0.01	1	06/27/17 08:30	06/27/17 12:50	EPA 7471B	1,7471B	MG
Nickel, Total	9.60		mg/kg	2.11	0.204	2	06/26/17 22:12	06/28/17 14:12	EPA 3050B	1,6010C	PS
Selenium, Total	ND		mg/kg	1.69	0.218	2	06/26/17 22:12	06/28/17 14:12	EPA 3050B	1,6010C	PS
Silver, Total	ND		mg/kg	0.845	0.239	2	06/26/17 22:12	06/28/17 14:12	EPA 3050B	1,6010C	PS
Zinc, Total	38.6		mg/kg	4.22	0.247	2	06/26/17 22:12	06/28/17 14:12	EPA 3050B	1,6010C	PS
General Chemistry - Mansfield Lab											
Chromium, Trivalent	5.3		mg/kg	0.86	0.86	1		06/28/17 14:12	NA	107,-	



Project Name: Not Specified

Lab Number: L1721580

Project Number: 33123-035

Report Date: 06/30/17

SAMPLE RESULTS

Lab ID: L1721580-09

Date Collected: 06/22/17 15:30

Client ID: 4125-062217-1530

Date Received: 06/23/17

Sample Location: CORNING, NY

Field Prep: Not Specified

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											
Arsenic, Total	9.94		mg/kg	0.842	0.175	2	06/26/17 22:12	06/28/17 14:17	EPA 3050B	1,6010C	PS
Barium, Total	43.8		mg/kg	0.842	0.146	2	06/26/17 22:12	06/28/17 14:17	EPA 3050B	1,6010C	PS
Beryllium, Total	0.168	J	mg/kg	0.421	0.028	2	06/26/17 22:12	06/28/17 14:17	EPA 3050B	1,6010C	PS
Cadmium, Total	0.286	J	mg/kg	0.842	0.083	2	06/26/17 22:12	06/28/17 14:17	EPA 3050B	1,6010C	PS
Chromium, Total	5.07		mg/kg	0.842	0.081	2	06/26/17 22:12	06/28/17 14:17	EPA 3050B	1,6010C	PS
Copper, Total	14.3		mg/kg	0.842	0.217	2	06/26/17 22:12	06/28/17 14:17	EPA 3050B	1,6010C	PS
Lead, Total	5.20		mg/kg	4.21	0.226	2	06/26/17 22:12	06/28/17 14:17	EPA 3050B	1,6010C	PS
Manganese, Total	480		mg/kg	0.842	0.134	2	06/26/17 22:12	06/28/17 14:17	EPA 3050B	1,6010C	PS
Mercury, Total	ND		mg/kg	0.07	0.02	1	06/27/17 08:30	06/27/17 12:52	EPA 7471B	1,7471B	MG
Nickel, Total	9.51		mg/kg	2.10	0.204	2	06/26/17 22:12	06/28/17 14:17	EPA 3050B	1,6010C	PS
Selenium, Total	ND		mg/kg	1.68	0.217	2	06/26/17 22:12	06/28/17 14:17	EPA 3050B	1,6010C	PS
Silver, Total	ND		mg/kg	0.842	0.238	2	06/26/17 22:12	06/28/17 14:17	EPA 3050B	1,6010C	PS
Zinc, Total	37.9		mg/kg	4.21	0.247	2	06/26/17 22:12	06/28/17 14:17	EPA 3050B	1,6010C	PS
General Chemistry - Mansfield Lab											
Chromium, Trivalent	5.1		mg/kg	0.86	0.86	1		06/28/17 14:17	NA	107,-	



Project Name: Not Specified

Lab Number: L1721580

Project Number: 33123-035

Report Date: 06/30/17

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): 08-09 Batch: WG1017172-1										
Arsenic, Total	ND		mg/kg	0.400	0.083	1	06/26/17 22:12	06/28/17 12:15	1,6010C	PS
Barium, Total	ND		mg/kg	0.400	0.070	1	06/26/17 22:12	06/28/17 12:15	1,6010C	PS
Beryllium, Total	ND		mg/kg	0.200	0.013	1	06/26/17 22:12	06/28/17 12:15	1,6010C	PS
Cadmium, Total	ND		mg/kg	0.400	0.039	1	06/26/17 22:12	06/28/17 12:15	1,6010C	PS
Chromium, Total	ND		mg/kg	0.400	0.038	1	06/26/17 22:12	06/28/17 12:15	1,6010C	PS
Copper, Total	ND		mg/kg	0.400	0.103	1	06/26/17 22:12	06/28/17 12:15	1,6010C	PS
Lead, Total	ND		mg/kg	2.00	0.107	1	06/26/17 22:12	06/28/17 12:15	1,6010C	PS
Manganese, Total	ND		mg/kg	0.400	0.064	1	06/26/17 22:12	06/28/17 12:15	1,6010C	PS
Nickel, Total	ND		mg/kg	1.00	0.097	1	06/26/17 22:12	06/28/17 12:15	1,6010C	PS
Selenium, Total	ND		mg/kg	0.800	0.103	1	06/26/17 22:12	06/28/17 12:15	1,6010C	PS
Silver, Total	ND		mg/kg	0.400	0.113	1	06/26/17 22:12	06/28/17 12:15	1,6010C	PS
Zinc, Total	ND		mg/kg	2.00	0.117	1	06/26/17 22:12	06/28/17 12:15	1,6010C	PS

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): 08-09 Batch: WG1017255-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	06/27/17 08:30	06/27/17 12:23	1,7471B	MG

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 33123-035

Lab Number: L1721580

Report Date: 06/30/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08-09 Batch: WG1017172-2 SRM Lot Number: D093-540								
Arsenic, Total	90		-		70-130	-		
Barium, Total	90		-		83-117	-		
Beryllium, Total	89		-		83-117	-		
Cadmium, Total	89		-		83-117	-		
Chromium, Total	89		-		80-120	-		
Copper, Total	91		-		82-118	-		
Lead, Total	93		-		82-117	-		
Manganese, Total	88		-		81-119	-		
Nickel, Total	90		-		83-117	-		
Selenium, Total	94		-		78-122	-		
Silver, Total	93		-		76-124	-		
Zinc, Total	90		-		83-117	-		
Total Metals - Mansfield Lab Associated sample(s): 08-09 Batch: WG1017255-2 SRM Lot Number: D093-540								
Mercury, Total	90		-		72-128	-		

Matrix Spike Analysis **Batch Quality Control**

Project Name: Not Specified

Lab Number: L1721580

Project Number: 33123-035

Report Date: 06/30/17

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): 08-09 QC Batch ID: WG1017172-3 QC Sample: L1721359-01 Client ID: MS Sample												
Arsenic, Total	5.17	10.6	17.0	111		-	-		75-125	-		20
Barium, Total	58.0	178	220	91		-	-		75-125	-		20
Beryllium, Total	0.198J	4.44	4.53	102		-	-		75-125	-		20
Cadmium, Total	0.504J	4.53	4.85	107		-	-		75-125	-		20
Chromium, Total	13.5	17.8	32.0	104		-	-		75-125	-		20
Copper, Total	31.2	22.2	49.1	81		-	-		75-125	-		20
Lead, Total	82.1	45.3	105	50	Q	-	-		75-125	-		20
Manganese, Total	161.	44.4	176	34	Q	-	-		75-125	-		20
Nickel, Total	9.45	44.4	47.7	86		-	-		75-125	-		20
Selenium, Total	ND	10.6	10.5	98		-	-		75-125	-		20
Silver, Total	ND	26.6	26.3	99		-	-		75-125	-		20
Zinc, Total	98.9	44.4	122	52	Q	-	-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 08-09 QC Batch ID: WG1017255-3 QC Sample: L1721644-01 Client ID: MS Sample												
Mercury, Total	0.96	0.152	2.2	818	Q	-	-		80-120	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 33123-035

Lab Number: L1721580

Report Date: 06/30/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08-09 QC Batch ID: WG1017172-4 QC Sample: L1721359-01 Client ID: DUP Sample						
Arsenic, Total	5.17	6.43	mg/kg	22	Q	20
Barium, Total	58.0	142	mg/kg	84	Q	20
Beryllium, Total	0.198J	0.212J	mg/kg	NC		20
Cadmium, Total	0.504J	1.52	mg/kg	NC		20
Chromium, Total	13.5	19.2	mg/kg	35	Q	20
Copper, Total	31.2	61.2	mg/kg	65	Q	20
Lead, Total	82.1	246	mg/kg	100	Q	20
Manganese, Total	161.	183	mg/kg	13		20
Nickel, Total	9.45	15.2	mg/kg	47	Q	20
Selenium, Total	ND	0.230J	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Zinc, Total	98.9	225	mg/kg	78	Q	20
Total Metals - Mansfield Lab Associated sample(s): 08-09 QC Batch ID: WG1017255-4 QC Sample: L1721644-01 Client ID: DUP Sample						
Mercury, Total	0.96	0.61	mg/kg	45	Q	20

INORGANICS & MISCELLANEOUS

Project Name: Not Specified**Project Number:** 33123-035**Lab Number:** L1721580**Report Date:** 06/30/17**SAMPLE RESULTS**

Lab ID: L1721580-01
Client ID: 4125-062217-1450
Sample Location: CORNING, NY
Matrix: Soil

Date Collected: 06/22/17 14:50
Date Received: 06/23/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.8		%	0.100	NA	1	-	06/24/17 13:07	121,2540G	RI



Project Name: Not Specified**Project Number:** 33123-035**Lab Number:** L1721580**Report Date:** 06/30/17**SAMPLE RESULTS**

Lab ID: L1721580-02
Client ID: 4125-062217-1455
Sample Location: CORNING, NY
Matrix: Soil

Date Collected: 06/22/17 14:55
Date Received: 06/23/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.7		%	0.100	NA	1	-	06/24/17 13:07	121,2540G	RI



Project Name: Not Specified**Project Number:** 33123-035**Lab Number:** L1721580**Report Date:** 06/30/17**SAMPLE RESULTS**

Lab ID: L1721580-03
Client ID: 4125-062217-1500
Sample Location: CORNING, NY
Matrix: Soil

Date Collected: 06/22/17 15:00
Date Received: 06/23/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.2		%	0.100	NA	1	-	06/24/17 13:07	121,2540G	RI



Project Name: Not Specified**Project Number:** 33123-035**Lab Number:** L1721580**Report Date:** 06/30/17**SAMPLE RESULTS**

Lab ID: L1721580-04
Client ID: 4125-062217-1505
Sample Location: CORNING, NY
Matrix: Soil

Date Collected: 06/22/17 15:05
Date Received: 06/23/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.5		%	0.100	NA	1	-	06/24/17 13:07	121,2540G	RI



Project Name: Not Specified**Project Number:** 33123-035**Lab Number:** L1721580**Report Date:** 06/30/17**SAMPLE RESULTS**

Lab ID: L1721580-05
Client ID: 4125-062217-1510
Sample Location: CORNING, NY
Matrix: Soil

Date Collected: 06/22/17 15:10
Date Received: 06/23/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.5		%	0.100	NA	1	-	06/24/17 13:07	121,2540G	RI



Project Name: Not Specified**Project Number:** 33123-035**Lab Number:** L1721580**Report Date:** 06/30/17**SAMPLE RESULTS**

Lab ID: L1721580-06
Client ID: 4125-062217-1515
Sample Location: CORNING, NY
Matrix: Soil

Date Collected: 06/22/17 15:15
Date Received: 06/23/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.3		%	0.100	NA	1	-	06/24/17 13:07	121,2540G	RI



Project Name: Not Specified**Project Number:** 33123-035**Lab Number:** L1721580**Report Date:** 06/30/17**SAMPLE RESULTS**

Lab ID: L1721580-07
Client ID: 4125-062217-1520
Sample Location: CORNING, NY
Matrix: Soil

Date Collected: 06/22/17 15:20
Date Received: 06/23/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.3		%	0.100	NA	1	-	06/24/17 13:07	121,2540G	RI



Project Name: Not Specified

Project Number: 33123-035

Lab Number: L1721580

Report Date: 06/30/17

SAMPLE RESULTS

Lab ID: L1721580-08
 Client ID: 4125-062217-1525
 Sample Location: CORNING, NY
 Matrix: Soil

Date Collected: 06/22/17 15:25
 Date Received: 06/23/17
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.3		%	0.100	NA	1	-	06/24/17 13:07	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.17	1	06/28/17 22:26	06/29/17 11:42	1,9010C/9012B	LK
Chromium, Hexavalent	ND		mg/kg	0.86	0.17	1	06/26/17 10:35	06/27/17 01:06	1,7196A	NH



Project Name: Not Specified

Project Number: 33123-035

Lab Number: L1721580

Report Date: 06/30/17

SAMPLE RESULTS

Lab ID: L1721580-09
 Client ID: 4125-062217-1530
 Sample Location: CORNING, NY
 Matrix: Soil

Date Collected: 06/22/17 15:30
 Date Received: 06/23/17
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.0		%	0.100	NA	1	-	06/24/17 13:07	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.17	1	06/28/17 22:26	06/29/17 11:43	1,9010C/9012B	LK
Chromium, Hexavalent	ND		mg/kg	0.86	0.17	1	06/26/17 10:35	06/27/17 01:06	1,7196A	NH



Project Name:

Lab Number: L1721580

Project Number: 33123-035

Report Date: 06/30/17

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): 08-09 Batch: WG1016982-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.16	1	06/26/17 10:35	06/27/17 01:00	1,7196A	NH
General Chemistry - Westborough Lab for sample(s): 08-09 Batch: WG1018094-1										
Cyanide, Total	ND		mg/kg	0.86	0.14	1	06/28/17 22:26	06/29/17 11:32	1,9010C/9012B	LK

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Project Number: 33123-035

Lab Number: L1721580

Report Date: 06/30/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 08-09 Batch: WG1016982-2								
Chromium, Hexavalent	107		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 08-09 Batch: WG1018094-2 WG1018094-3								
Cyanide, Total	116		80		80-120	33		35

Matrix Spike Analysis

Batch Quality Control

Project Name: Not Specified

Lab Number: L1721580

Project Number: 33123-035

Report Date: 06/30/17

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): 08-09 QC Batch ID: WG1016982-4 QC Sample: L1721580-08 Client ID: 4125-062217-1525												
Chromium, Hexavalent	ND	1380	1600	120		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 08-09 QC Batch ID: WG1018094-4 WG1018094-5 QC Sample: L1721674-02 Client ID: MS Sample												
Cyanide, Total	ND	16	14	86		15	92		75-125	7		35

Lab Duplicate Analysis Batch Quality Control

Project Name: Not Specified
Project Number: 33123-035

Lab Number: L1721580
Report Date: 06/30/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG1016692-1 QC Sample: L1721221-01 Client ID: DUP Sample						
Solids, Total	76.4	77.2	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 08-09 QC Batch ID: WG1016982-6 QC Sample: L1721580-08 Client ID: 4125-062217-1525						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: Not Specified**Lab Number:** L1721580**Project Number:** 33123-035**Report Date:** 06/30/17**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(*)
L1721580-01A	Vial Large Septa unpreserved (4oz)	A	NA		3.7	Y	Absent		TS(7),NYTCL-8260(14)
L1721580-01X	Vial MeOH preserved split	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L1721580-01Y	Vial Water preserved split	A	NA		3.7	Y	Absent	27-JUN-17 08:44	NYTCL-8260(14)
L1721580-01Z	Vial Water preserved split	A	NA		3.7	Y	Absent	27-JUN-17 08:44	NYTCL-8260(14)
L1721580-02A	Vial Large Septa unpreserved (4oz)	A	NA		3.7	Y	Absent		TS(7),NYTCL-8260(14)
L1721580-02X	Vial MeOH preserved split	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L1721580-02Y	Vial Water preserved split	A	NA		3.7	Y	Absent	27-JUN-17 08:44	NYTCL-8260(14)
L1721580-02Z	Vial Water preserved split	A	NA		3.7	Y	Absent	27-JUN-17 08:44	NYTCL-8260(14)
L1721580-03A	Vial Large Septa unpreserved (4oz)	A	NA		3.7	Y	Absent		TS(7),NYTCL-8260(14)
L1721580-03X	Vial MeOH preserved split	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L1721580-03Y	Vial Water preserved split	A	NA		3.7	Y	Absent	27-JUN-17 08:44	NYTCL-8260(14)
L1721580-03Z	Vial Water preserved split	A	NA		3.7	Y	Absent	27-JUN-17 08:44	NYTCL-8260(14)
L1721580-04A	Vial Large Septa unpreserved (4oz)	A	NA		3.7	Y	Absent		TS(7),NYTCL-8260(14)
L1721580-04X	Vial MeOH preserved split	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L1721580-04Y	Vial Water preserved split	A	NA		3.7	Y	Absent	27-JUN-17 08:44	NYTCL-8260(14)
L1721580-04Z	Vial Water preserved split	A	NA		3.7	Y	Absent	27-JUN-17 08:44	NYTCL-8260(14)
L1721580-05A	Vial Large Septa unpreserved (4oz)	A	NA		3.7	Y	Absent		TS(7),NYTCL-8260(14)
L1721580-05X	Vial MeOH preserved split	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L1721580-05Y	Vial Water preserved split	A	NA		3.7	Y	Absent	27-JUN-17 08:44	NYTCL-8260(14)
L1721580-05Z	Vial Water preserved split	A	NA		3.7	Y	Absent	27-JUN-17 08:44	NYTCL-8260(14)
L1721580-06A	Vial Large Septa unpreserved (4oz)	A	NA		3.7	Y	Absent		TS(7),NYTCL-8260(14)
L1721580-06X	Vial MeOH preserved split	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L1721580-06Y	Vial Water preserved split	A	NA		3.7	Y	Absent	27-JUN-17 08:44	NYTCL-8260(14)

Project Name: Not Specified**Lab Number:** L1721580**Project Number:** 33123-035**Report Date:** 06/30/17**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1721580-06Z	Vial Water preserved split	A	NA		3.7	Y	Absent	27-JUN-17 08:44	NYTCL-8260(14)
L1721580-07A	Vial Large Septa unpreserved (4oz)	A	NA		3.7	Y	Absent		TS(7),NYTCL-8260(14)
L1721580-07X	Vial MeOH preserved split	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L1721580-07Y	Vial Water preserved split	A	NA		3.7	Y	Absent	27-JUN-17 08:44	NYTCL-8260(14)
L1721580-07Z	Vial Water preserved split	A	NA		3.7	Y	Absent	27-JUN-17 08:44	NYTCL-8260(14)
L1721580-08A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.7	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),MN-TI(180),CD-TI(180)
L1721580-08B	Glass 120ml/4oz unpreserved	A	NA		3.7	Y	Absent		TCN-9010(14),TRICR-CALC(30),HEXCR-7196(30)
L1721580-08C	Glass 500ml/16oz unpreserved	A	NA		3.7	Y	Absent		NYTCL-8270(14),HERB-APA(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1721580-09A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.7	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),MN-TI(180),CD-TI(180)
L1721580-09B	Glass 120ml/4oz unpreserved	A	NA		3.7	Y	Absent		TCN-9010(14),TRICR-CALC(30),HEXCR-7196(30)
L1721580-09C	Glass 500ml/16oz unpreserved	A	NA		3.7	Y	Absent		NYTCL-8270(14),HERB-APA(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)

Project Name: Not Specified**Lab Number:** L1721580**Project Number:** 33123-035**Report Date:** 06/30/17

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: Not Specified**Lab Number:** L1721580**Project Number:** 33123-035**Report Date:** 06/30/17**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: Not Specified
Project Number: 33123-035

Lab Number: L1721580
Report Date: 06/30/17

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 107 Alpha Analytical - In-house calculation method.
- 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.



Alpha Analytical, Inc.

ID No.:17873

Facility: **Company-wide**

Revision 10

Department: **Quality Assurance**

Published Date: 1/16/2017 11:00:05 AM

Title: **Certificate/Approval Program Summary**

Page 1 of 1

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:** NPW and SCM: Perchlorate**EPA 9010:** NPW and SCM: Amenable Cyanide Distillation**EPA 9012B:** NPW: Total Cyanide**EPA 9050A:** NPW: Specific Conductance**SM3500:** NPW: Ferrous Iron**SM4500:** NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO₂, NO₃.**SM5310C:** DW: Dissolved Organic Carbon**Mansfield Facility****SM 2540D:** TSS**EPA 3005A** NPW**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:** 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, EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **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.****Mansfield Facility:****Drinking Water****EPA 200.7:** Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1 Hg.****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.



CHAIN OF CUSTODY

Page

1 of 1

Date Rec'd
in Lab

6/24/17

 L1721580
 ALPHA Job #
 1172146560

Service Centers Brewer, ME 04412 Portsmouth, NH 03801

Project Information

Project Name:

Project Location: Cornwall, NYProject # 33123-035(Use Project name as Project #) ☐

Project Manager:

ALPHAQuote #:

Turn-Around Time

Deliverables

☐ Email☐ Fax☐ EQUIS (1 File)☐ EQUIS (4 File)☐ Other:

Billing Information

☐ Same as Client Info

PO #

Regulatory Requirements (Program/Criteria)

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:

☐ NJ☐ NY☐ Other:

Note: Select State from menu & identify criteria.

ANALYSIS

Sample Filtration

☐
☐
☐

Done Lab to do P

Sample Specific Comments

Total Bottles

Westborough, MA 015818 Walk: Mansfield, MA 02048320 Fo

H&A Information

H&A Client: Jim SiegfriedH&A Address: 200 Town CentreHenrietta, NY 14623

H&A Phone:

H&A Fax:

H&A Email: jsiegfried@alphalab.comStandard ☒

Due Date:

Push (only if pre approved) ☐

of Days:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Report NYS Part 375 Table 375-G.8 Constituents only

Please specify Metals or TAL.

ALPHA Lab ID
(Lab Use Only)

Sample ID

Collection

Date

Time

Sample
MatrixSampler's
Initials

VOCs Part 375

SVOCs Part 375

Metals + total Chrome
(Part 375)

PCBs (Part 375)

Pesticides (Part 375)

Herbicides (Part 375)

21580 - 01	4125-062217-1450	06/22/17	1450	Soil	R.S.L.	X											
- 02	4125-062217-1455	06/22/17	1455		R.S.L.	X											
- 03	4125-062217-1500	06/22/17	1500		R.S.L.	X											
- 04	4125-062217-1505	06/22/17	1505		R.S.L.	X											
- 05	4125-062217-1510	06/22/17	1510		R.S.L.	X											
- 06	4125-062217-1515	06/22/17	1515		R.S.L.	X											
- 07	4125-062217-1520	06/22/17	1520		R.S.L.	X											
- 08	4125-062217-1525	06/22/17	1525		R.S.L.	X	X	X	X	X	X						
- 09	4125-062217-1530	06/22/17	1530	✓	R.S.L.	X	X	X	X	X	X						
- 10																	

 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

Container Type

Preservative

A	A	A	A	A	A
A	A	A	A	A	A

Relinquished By:

Date/Time

Received By:

Date/Time

Robert F. Felt
Andrew Felt
6/23/17 16:00
6/23/17 16:00
Andrew Felt
Andrew Felt
6/23/17 16:00
6/24/17 00:20

Preservative Code: A = None B =

Document ID: 20455 Rev 1 (1/28/2016)

Please print clearly, legibly and comp

Appendix 5

Allowable Constituent Levels for Imported Fill or Soil

Subdivision 5.4(e)

Source: This table is derived from soil cleanup objective (SCO) tables in 6 NYCRR 375. Table 375-6.8(a) is the source for unrestricted use and Table 375-6.8(b) is the source for restricted use.

Note: For constituents not included in this table, refer to the contaminant for supplemental soil cleanup objectives (SSCOs) in the Commissioner Policy on [Soil Cleanup Guidance](#). If an SSCO is not provided for a constituent, contact the DER PM to determine a site-specific level.

Serial No:06301711:04

Constituent	Unrestricted Use	Residential Use	Restricted Residential Use	Commercial or Industrial Use	If Ecological Resources are Present
Metals					
Arsenic	13	16	16	16	13
Barium	350	350	400	400	433
Beryllium	7.2	14	47	47	10
Cadmium	2.5	2.5	4.3	7.5	4
Chromium, Hexavalent ¹	1 ³	19	19	19	1 ³
Chromium, Trivalent ¹	30	36	180	1500	41
Copper	50	270	270	270	50
Cyanide	27	27	27	27	NS
Lead	63	400	400	450	63
Manganese	1600	2000	2000	2000	1600
Mercury (total)	0.18	0.73	0.73	0.73	0.18
Nickel	30	130	130	130	30
Selenium	3.9	4	4	4	3.9
Silver	2	8.3	8.3	8.3	2
Zinc	109	2200	2480	2480	109
PCBs/Pesticides					
2,4,5-TP Acid (Silvex)	3.8	3.8	3.8	3.8	NS
4,4'-DDE	0.0033 ³	1.8	8.9	17	0.0033 ³
4,4'-DDT	0.0033 ³	1.7	7.9	47	0.0033 ³
4,4'-DDD	0.0033 ³	2.6	13	14	0.0033 ³
Aldrin	0.005	0.019	0.097	0.19	0.14
Alpha-BHC	0.02	0.02	0.02	0.02	0.04 ⁴
Beta-BHC	0.036	0.072	0.09	0.09	0.6
Chlordane (alpha)	0.094	0.91	2.9	2.9	1.3
Delta-BHC	0.04	0.25	0.25	0.25	0.04 ⁴
Dibenzofuran	7	14	59	210	NS
Dieldrin	0.005	0.039	0.1	0.1	0.006
Endosulfan I	2.4 ²	4.8	24	102	NS
Endosulfan II	2.4 ²	4.8	24	102	NS
Endosulfan sulfate	2.4 ²	4.8	24	200	NS
Endrin	0.014	0.06	0.06	0.06	0.014
Heptachlor	0.042	0.38	0.38	0.38	0.14
Lindane	0.1	0.1	0.1	0.1	6
Polychlorinated biphenyls	0.1	1	1	1	1

Constituent	Unrestricted Use	Residential Use	Restricted Residential Use	Commercial or Industrial Use	If Ecological Resources are Present
Semi-volatile Organic Compounds					
Acenaphthene	20	98	98	98	20
Acenaphthylene	100	100	100	107	NS
Anthracene	100	100	100	500	NS
Benzo(a)anthracene	1	1	1	1	NS
Benzo(a)pyrene	1	1	1	1	2.6
Benzo(b)fluoranthene	1	1	1	1.7	NS
Benzo(g,h,i)perylene	100	100	100	500	NS
Benzo(k)fluoranthene	0.8	1	1.7	1.7	NS
Chrysene	1	1	1	1	NS
Dibenz(a,h)anthracene	0.33 ³	0.33 ³	0.33 ³	0.56	NS
Fluoranthene	100	100	100	500	NS
Fluorene	30	100	100	386	30
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.5	5.6	NS
m-Cresol(s)	0.33 ³	0.33 ³	0.33 ³	0.33 ³	NS
Naphthalene	12	12	12	12	NS
o-Cresol(s)	0.33 ³	0.33 ³	0.33 ³	0.33 ³	NS
p-Cresol(s)	0.33	0.33	0.33	0.33	NS
Pentachlorophenol	0.8 ³	0.8 ³	0.8 ³	0.8 ³	0.8 ³
Phenanthrene	100	100	100	500	NS
Phenol	0.33 ³	0.33 ³	0.33 ³	0.33 ³	30
Pyrene	100	100	100	500	NS
Volatile Organic Compounds					
1,1,1-Trichloroethane	0.68	0.68	0.68	0.68	NS
1,1-Dichloroethane	0.27	0.27	0.27	0.27	NS
1,1-Dichloroethene	0.33	0.33	0.33	0.33	NS
1,2-Dichlorobenzene	1.1	1.1	1.1	1.1	NS
1,2-Dichloroethane	0.02	0.02	0.02	0.02	10
1,2-Dichloroethene(cis)	0.25	0.25	0.25	0.25	NS
1,2-Dichloroethene(trans)	0.19	0.19	0.19	0.19	NS
1,3-Dichlorobenzene	2.4	2.4	2.4	2.4	NS
1,4-Dichlorobenzene	1.8	1.8	1.8	1.8	20
1,4-Dioxane	0.1 ³	0.1 ³	0.1 ³	0.1 ³	0.1
Acetone	0.05	0.05	0.05	0.05	2.2
Benzene	0.06	0.06	0.06	0.06	70
Butylbenzene	12	12	12	12	NS
Carbon tetrachloride	0.76	0.76	0.76	0.76	NS
Chlorobenzene	1.1	1.1	1.1	1.1	40
Chloroform	0.37	0.37	0.37	0.37	12
Ethylbenzene	1	1	1	1	NS
Hexachlorobenzene	0.33 ³	0.33 ³	1.2	3.2	NS
Methyl ethyl ketone	0.12	0.12	0.12	0.12	100
Methyl tert-butyl ether	0.93	0.93	0.93	0.93	NS
Methylene chloride	0.05	0.05	0.05	0.05	12