

#### ANALYTICAL REPORT

Lab Number: L1926118

Client: Greystone Engineering PLLC

9 Bluebird Court

Saratoga Springs, NY 12866

ATTN: Brian Jacot
Phone: (518) 378-3512

Project Name: HVP-CASTLETON

Project Number: 19009EGP Report Date: 06/18/19

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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: HVP-CASTLETON

Project Number: 19009EGP

**Lab Number:** L1926118 **Report Date:** 06/18/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1926118-01	TP-2 (3-4')	SOIL	1900 RIVER ROAD, CASTLETON-ON- HUDSON, NY	06/17/19 13:15	06/17/19
L1926118-02	TP-3 (6-7')	SOIL	1900 RIVER ROAD, CASTLETON-ON- HUDSON, NY	06/17/19 13:50	06/17/19
L1926118-03	TP-3 (8-9')	SOIL	1900 RIVER ROAD, CASTLETON-ON- HUDSON, NY	06/17/19 14:00	06/17/19
L1926118-04	TP-4 (2-3')	SOIL	1900 RIVER ROAD, CASTLETON-ON- HUDSON, NY	06/17/19 15:20	06/17/19



Project Name:HVP-CASTLETONLab Number:L1926118Project Number:19009EGPReport Date:06/18/19

#### **Case Narrative**

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

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

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

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

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

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



Project Name:HVP-CASTLETONLab Number:L1926118Project Number:19009EGPReport Date:06/18/19

### **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.

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:

Title: Technical Director/Representative Date: 06/18/19

Melissa Cripps Melissa Cripps

### **ORGANICS**



### **VOLATILES**



Project Name: HVP-CASTLETON Lab Number: L1926118

Project Number: 19009EGP Report Date: 06/18/19

**SAMPLE RESULTS** 

Lab ID: L1926118-03 Date Collected: 06/17/19 14:00

Client ID: TP-3 (8-9') Date Received: 06/17/19
Sample Location: 1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/18/19 09:05

Analyst: MV Percent Solids: 72%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	
Volatile Organics by GC/MS - Wes	stborough Lab						
Methylene chloride	ND		ug/kg	410	190	1	
1,1-Dichloroethane	ND		ug/kg	83	12.	1	
Chloroform	ND		ug/kg	120	12.	1	
Carbon tetrachloride	ND		ug/kg	83	19.	1	
1,2-Dichloropropane	ND		ug/kg	83	10.	1	
Dibromochloromethane	ND		ug/kg	83	12.	1	
1,1,2-Trichloroethane	ND		ug/kg	83	22.	1	
Tetrachloroethene	ND		ug/kg	41	16.	1	
Chlorobenzene	ND		ug/kg	41	10.	1	
Trichlorofluoromethane	ND		ug/kg	330	58.	1	
1,2-Dichloroethane	ND		ug/kg	83	21.	1	
1,1,1-Trichloroethane	ND		ug/kg	41	14.	1	
Bromodichloromethane	ND		ug/kg	41	9.0	1	
trans-1,3-Dichloropropene	ND		ug/kg	83	23.	1	
cis-1,3-Dichloropropene	ND		ug/kg	41	13.	1	
1,3-Dichloropropene, Total	ND		ug/kg	41	13.	1	
Bromoform	ND		ug/kg	330	20.	1	
1,1,2,2-Tetrachloroethane	ND		ug/kg	41	14.	1	
Benzene	300		ug/kg	41	14.	1	
Toluene	69	J	ug/kg	83	45.	1	
Ethylbenzene	92		ug/kg	83	12.	1	
Chloromethane	ND		ug/kg	330	77.	1	
Bromomethane	ND		ug/kg	160	48.	1	
Vinyl chloride	ND		ug/kg	83	28.	1	
Chloroethane	ND		ug/kg	160	37.	1	
1,1-Dichloroethene	ND		ug/kg	83	20.	1	
trans-1,2-Dichloroethene	ND		ug/kg	120	11.	1	
Trichloroethene	ND		ug/kg	41	11.	1	



Project Name: HVP-CASTLETON Lab Number: L1926118

Project Number: 19009EGP Report Date: 06/18/19

**SAMPLE RESULTS** 

Lab ID: L1926118-03 Date Collected: 06/17/19 14:00

Client ID: TP-3 (8-9') Date Received: 06/17/19

Sample Location: 1900 RIVER ROAD, CASTLETON-ON-HUDSON, 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	160	12.	1
1,3-Dichlorobenzene	ND		ug/kg	160	12.	1
1,4-Dichlorobenzene	ND		ug/kg	160	14.	1
Methyl tert butyl ether	ND		ug/kg	160	17.	1
p/m-Xylene	220		ug/kg	160	46.	1
o-Xylene	ND		ug/kg	83	24.	1
Xylenes, Total	220		ug/kg	83	24.	1
cis-1,2-Dichloroethene	ND		ug/kg	83	14.	1
1,2-Dichloroethene, Total	ND		ug/kg	83	11.	1
Styrene	ND		ug/kg	83	16.	1
Dichlorodifluoromethane	ND		ug/kg	830	76.	1
Acetone	ND		ug/kg	830	400	1
Carbon disulfide	ND		ug/kg	830	380	1
2-Butanone	ND		ug/kg	830	180	1
4-Methyl-2-pentanone	ND		ug/kg	830	110	1
2-Hexanone	ND		ug/kg	830	98.	1
Bromochloromethane	ND		ug/kg	160	17.	1
1,2-Dibromoethane	ND		ug/kg	83	23.	1
n-Butylbenzene	320		ug/kg	83	14.	1
sec-Butylbenzene	190		ug/kg	83	12.	1
tert-Butylbenzene	ND		ug/kg	160	9.8	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	83.	1
Isopropylbenzene	280		ug/kg	83	9.0	1
p-Isopropyltoluene	21	J	ug/kg	83	9.0	1
Naphthalene	75	J	ug/kg	330	54.	1
n-Propylbenzene	970		ug/kg	83	14.	1
1,2,3-Trichlorobenzene	ND		ug/kg	160	27.	1
1,2,4-Trichlorobenzene	ND		ug/kg	160	22.	1
1,3,5-Trimethylbenzene	ND		ug/kg	160	16.	1
1,2,4-Trimethylbenzene	28	J	ug/kg	160	28.	1
Methyl Acetate	ND		ug/kg	330	79.	1
Cyclohexane	1500		ug/kg	830	45.	1
1,4-Dioxane	ND		ug/kg	6600	2900	1
Freon-113	ND		ug/kg	330	57.	1
Methyl cyclohexane	3200		ug/kg	330	50.	1



**Project Name:** Lab Number: **HVP-CASTLETON** L1926118

**Project Number:** Report Date: 19009EGP 06/18/19

**SAMPLE RESULTS** 

Lab ID: Date Collected: 06/17/19 14:00 L1926118-03

Date Received: Client ID: 06/17/19 TP-3 (8-9')

Sample Location: 1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY Field Prep: Not Specified

Sample Depth:

Parameter Result Qualifier Units RL MDL **Dilution Factor** 

Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Acceptance Qualifier Criteria	
1,2-Dichloroethane-d4	99	70-130	
Toluene-d8	102	70-130	
4-Bromofluorobenzene	93	70-130	
Dibromofluoromethane	92	70-130	



Project Name: HVP-CASTLETON Lab Number: L1926118

Project Number: 19009EGP Report Date: 06/18/19

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C Analytical Date: 06/18/19 07:47

Analyst: MV

Methylene chloride         ND         ug/kg         250         110           1,1-Dichloroethane         ND         ug/kg         50         7.2           Chloroform         ND         ug/kg         50         7.2           Chloroform         ND         ug/kg         75         7.0           Carbon tetrachloride         ND         ug/kg         50         12.           1,2-Dichloropropane         ND         ug/kg         50         6.2           Dibromochloromethane         ND         ug/kg         50         7.0           1,1,2-Trichloroethane         ND         ug/kg         50         7.0           1,1,2-Trichloroethane         ND         ug/kg         25         9.8           Chlorobenzene         ND         ug/kg         25         6.4           Trichlorofluoromethane         ND         ug/kg         25         6.4           Trichlorofluoromethane         ND         ug/kg         25         8.4           Bromodichloromethane         ND         ug/kg         25         5.4           trans-1,3-Dichloropropene         ND         ug/kg         25         7.9           1,3-Dichloropropene, Total         ND         ug/kg	Parameter	Result	Qualifier	Units	RL		MDL	
1,1-Dichloroethane         ND         ug/kg         50         7.2           Chloroform         ND         ug/kg         75         7.0           Carbon tetrachloride         ND         ug/kg         50         12.           1,2-Dichloropropane         ND         ug/kg         50         6.2           Dibromochloromethane         ND         ug/kg         50         7.0           1,1,2-Trichloroethane         ND         ug/kg         50         7.0           1,1,2-Trichloroethane         ND         ug/kg         50         13.           Chlorobenzene         ND         ug/kg         25         9.8           Chlorobenzene         ND         ug/kg         20         35.           1,2-Dichloroethane         ND         ug/kg         20         35.           1,2-Dichloroethane         ND         ug/kg         25         8.4           Bromodichloromethane         ND         ug/kg         25         5.4           trans-1,3-Dichloropropene         ND         ug/kg         25         7.9           1,3-Dichloropropene, Total         ND         ug/kg         25         7.9           Bromoform         ND         ug/kg         <	Volatile Organics by EPA 5035 Hig	gh - Westbord	ough Lab fo	or sample(s):	03	Batch:	WG1249805-5	
Chloroform         ND         ug/kg         75         7.0           Carbon tetrachloride         ND         ug/kg         50         12.           1,2-Dichloropropane         ND         ug/kg         50         6.2           Dibromochloromethane         ND         ug/kg         50         7.0           1,1,2-Trichloroethane         ND         ug/kg         50         13.           Tetrachloroethane         ND         ug/kg         25         9.8           Chlorobenzene         ND         ug/kg         25         6.4           Trichlorofluoromethane         ND         ug/kg         25         6.4           Trichlorofluoromethane         ND         ug/kg         25         6.4           Trichloroethane         ND         ug/kg         25         8.4           Bromodichloromethane         ND         ug/kg         25         8.4           Bromodichloropropene         ND         ug/kg         25         5.4           trans-1,3-Dichloropropene         ND         ug/kg         25         7.9           1,3-Dichloropropene, Total         ND         ug/kg         25         7.9           Bromoform         ND         ug/kg	Methylene chloride	ND		ug/kg	250		110	
Carbon tetrachloride         ND         ug/kg         50         12.           1,2-Dichloropropane         ND         ug/kg         50         6.2           Dibromochloromethane         ND         ug/kg         50         7.0           1,1,2-Trichloroethane         ND         ug/kg         50         13.           Tetrachloroethane         ND         ug/kg         25         9.8           Chlorobenzene         ND         ug/kg         25         6.4           Trichlorofluoromethane         ND         ug/kg         200         35.           1,2-Dichloroethane         ND         ug/kg         50         13.           1,1-Trichloroethane         ND         ug/kg         25         6.4           1,1-Trichloroethane         ND         ug/kg         25         5.4           trans-1,3-Dichloropropene         ND         ug/kg         25         5.4           trans-1,3-Dichloropropene         ND         ug/kg         25         7.9           1,3-Dichloropropene         ND         ug/kg         25         7.9           1,3-Dichloropropene, Total         ND         ug/kg         25         7.9           Bromoform         ND <t< td=""><td>1,1-Dichloroethane</td><td>ND</td><td></td><td>ug/kg</td><td>50</td><td></td><td>7.2</td><td></td></t<>	1,1-Dichloroethane	ND		ug/kg	50		7.2	
1,2-Dichloropropane   ND	Chloroform	ND		ug/kg	75		7.0	
Dibromochloromethane         ND         ug/kg         50         7.0           1,1,2-Trichloroethane         ND         ug/kg         50         13.           Tetrachloroethene         ND         ug/kg         25         9.8           Chlorobenzene         ND         ug/kg         25         6.4           Trichlorofluoromethane         ND         ug/kg         200         35.           1,2-Dichloroethane         ND         ug/kg         50         13.           1,1,1-Trichloroethane         ND         ug/kg         25         8.4           Bromodichloromethane         ND         ug/kg         25         5.4           trans-1,3-Dichloropropene         ND         ug/kg         25         7.9           1,3-Dichloropropene         ND         ug/kg         25         7.9           1,3-Dichloropropene, Total         ND         ug/kg         25         7.9           Bromoform         ND         ug/kg         25         8.3           Benzene         ND         ug/kg         25         8.3           Benzene         ND         ug/kg         50         27           Ethylbenzene         ND         ug/kg         50	Carbon tetrachloride	ND		ug/kg	50		12.	
1,1,2-Trichloroethane         ND         ug/kg         50         13.           Tetrachloroethene         ND         ug/kg         25         9.8           Chlorobenzene         ND         ug/kg         25         6.4           Trichlorofluoromethane         ND         ug/kg         200         35.           1,2-Dichloroethane         ND         ug/kg         50         13.           1,1,1-Trichloroethane         ND         ug/kg         25         8.4           Bromodichloromethane         ND         ug/kg         25         5.4           trans-1,3-Dichloropropene         ND         ug/kg         25         7.9           1,3-Dichloropropene, Total         ND         ug/kg         25         7.9           Bromoform         ND         ug/kg         25         7.9           1,2-Dichloroethane         ND         ug/kg         25         7.9           Benzene         ND         ug/kg         25         8.3           Benzene         ND         ug/kg         25         8.3           Toluene         ND         ug/kg         50         27           Ethylbenzene         ND         ug/kg         50         7.0 </td <td>1,2-Dichloropropane</td> <td>ND</td> <td></td> <td>ug/kg</td> <td>50</td> <td></td> <td>6.2</td> <td></td>	1,2-Dichloropropane	ND		ug/kg	50		6.2	
Tetrachloroethene         ND         ug/kg         25         9.8           Chlorobenzene         ND         ug/kg         25         6.4           Trichlorofluoromethane         ND         ug/kg         200         35.           1,2-Dichloroethane         ND         ug/kg         50         13.           1,1,1-Trichloroethane         ND         ug/kg         25         8.4           Bromodichloromethane         ND         ug/kg         25         5.4           trans-1,3-Dichloropropene         ND         ug/kg         50         14.           cis-1,3-Dichloropropene         ND         ug/kg         25         7.9           1,3-Dichloropropene, Total         ND         ug/kg         25         7.9           Bromoform         ND         ug/kg         25         7.9           Bromoform         ND         ug/kg         25         8.3           Benzene         ND         ug/kg         25         8.3           Toluene         ND         ug/kg         50         27           Ethylbenzene         ND         ug/kg         50         7.0           Chloromethane         ND         ug/kg         200         47 <td>Dibromochloromethane</td> <td>ND</td> <td></td> <td>ug/kg</td> <td>50</td> <td></td> <td>7.0</td> <td></td>	Dibromochloromethane	ND		ug/kg	50		7.0	
Chlorobenzene         ND         ug/kg         25         6.4           Trichlorofluoromethane         ND         ug/kg         200         35.           1,2-Dichloroethane         ND         ug/kg         50         13.           1,1,1-Trichloroethane         ND         ug/kg         25         8.4           Bromodichloromethane         ND         ug/kg         25         5.4           trans-1,3-Dichloropropene         ND         ug/kg         50         14.           cis-1,3-Dichloropropene         ND         ug/kg         25         7.9           1,3-Dichloropropene, Total         ND         ug/kg         25         7.9           Bromoform         ND         ug/kg         25         7.9           Bromoform         ND         ug/kg         20         12.           1,1,2,2-Tetrachloroethane         ND         ug/kg         25         8.3           Benzene         ND         ug/kg         50         27.           Ethylbenzene         ND         ug/kg         50         7.0           Chloromethane         ND         ug/kg         20         47.           Bromomethane         ND         ug/kg         50	1,1,2-Trichloroethane	ND		ug/kg	50		13.	
Trichlorofluoromethane         ND         ug/kg         200         35.           1,2-Dichloroethane         ND         ug/kg         50         13.           1,1,1-Trichloroethane         ND         ug/kg         25         8.4           Bromodichloromethane         ND         ug/kg         25         5.4           trans-1,3-Dichloropropene         ND         ug/kg         50         14.           cis-1,3-Dichloropropene         ND         ug/kg         25         7.9           1,3-Dichloropropene, Total         ND         ug/kg         25         7.9           Bromoform         ND         ug/kg         20         12.           1,1,2,2-Tetrachloroethane         ND         ug/kg         25         8.3           Benzene         ND         ug/kg         25         8.3           Toluene         ND         ug/kg         50         27.           Ethylbenzene         ND         ug/kg         50         7.0           Chloromethane         ND         ug/kg         200         47.           Bromomethane         ND         ug/kg         50         17.           Chloroethane         ND         ug/kg         50	Tetrachloroethene	ND		ug/kg	25		9.8	
1,2-Dichloroethane         ND         ug/kg         50         13.           1,1,1-Trichloroethane         ND         ug/kg         25         8.4           Bromodichloromethane         ND         ug/kg         25         5.4           trans-1,3-Dichloropropene         ND         ug/kg         50         14.           cis-1,3-Dichloropropene         ND         ug/kg         25         7.9           1,3-Dichloropropene, Total         ND         ug/kg         25         7.9           Bromoform         ND         ug/kg         200         12.           1,1,2,2-Tetrachloroethane         ND         ug/kg         25         8.3           Benzene         ND         ug/kg         25         8.3           Toluene         ND         ug/kg         50         27.           Ethylbenzene         ND         ug/kg         50         7.0           Chloromethane         ND         ug/kg         200         47.           Bromomethane         ND         ug/kg         50         17.           Chloroethane         ND         ug/kg         50         17.           Chloroethene         ND         ug/kg         50         12.<	Chlorobenzene	ND		ug/kg	25		6.4	
1,1,1-Trichloroethane         ND         ug/kg         25         8.4           Bromodichloromethane         ND         ug/kg         25         5.4           trans-1,3-Dichloropropene         ND         ug/kg         50         14.           cis-1,3-Dichloropropene         ND         ug/kg         25         7.9           1,3-Dichloropropene, Total         ND         ug/kg         25         7.9           Bromoform         ND         ug/kg         200         12.           1,1,2,2-Tetrachloroethane         ND         ug/kg         25         8.3           Benzene         ND         ug/kg         25         8.3           Toluene         ND         ug/kg         50         27.           Ethylbenzene         ND         ug/kg         50         7.0           Chloromethane         ND         ug/kg         200         47.           Bromomethane         ND         ug/kg         50         17.           Chloroethane         ND         ug/kg         50         17.           Chloroethane         ND         ug/kg         50         17.           Chloroethene         ND         ug/kg         50         12.	Trichlorofluoromethane	ND		ug/kg	200		35.	
Bromodichloromethane         ND         ug/kg         25         5.4           trans-1,3-Dichloropropene         ND         ug/kg         50         14.           cis-1,3-Dichloropropene         ND         ug/kg         25         7.9           1,3-Dichloropropene, Total         ND         ug/kg         25         7.9           Bromoform         ND         ug/kg         200         12.           1,1,2,2-Tetrachloroethane         ND         ug/kg         25         8.3           Benzene         ND         ug/kg         25         8.3           Toluene         ND         ug/kg         50         27.           Ethylbenzene         ND         ug/kg         50         7.0           Chloromethane         ND         ug/kg         200         47.           Bromomethane         ND         ug/kg         100         29.           Vinyl chloride         ND         ug/kg         50         17.           Chloroethane         ND         ug/kg         50         17.           Chloroethene         ND         ug/kg         50         12.           trans-1,2-Dichloroethene         ND         ug/kg         75         6.8<	1,2-Dichloroethane	ND		ug/kg	50		13.	
trans-1,3-Dichloropropene         ND         ug/kg         50         14.           cis-1,3-Dichloropropene         ND         ug/kg         25         7.9           1,3-Dichloropropene, Total         ND         ug/kg         25         7.9           Bromoform         ND         ug/kg         25         7.9           Bromoform         ND         ug/kg         25         8.3           Benzene         ND         ug/kg         25         8.3           Toluene         ND         ug/kg         50         27.           Ethylbenzene         ND         ug/kg         50         7.0           Chloromethane         ND         ug/kg         200         47.           Bromomethane         ND         ug/kg         100         29.           Vinyl chloride         ND         ug/kg         50         17.           Chloroethane         ND         ug/kg         50         17.           Chloroethene         ND         ug/kg         50         12.           trans-1,2-Dichloroethene         ND         ug/kg         75         6.8           Trichloroethene         ND         ug/kg         25         6.8 <td>1,1,1-Trichloroethane</td> <td>ND</td> <td></td> <td>ug/kg</td> <td>25</td> <td></td> <td>8.4</td> <td></td>	1,1,1-Trichloroethane	ND		ug/kg	25		8.4	
cis-1,3-Dichloropropene         ND         ug/kg         25         7.9           1,3-Dichloropropene, Total         ND         ug/kg         25         7.9           Bromoform         ND         ug/kg         200         12.           1,1,2,2-Tetrachloroethane         ND         ug/kg         25         8.3           Benzene         ND         ug/kg         25         8.3           Toluene         ND         ug/kg         50         27.           Ethylbenzene         ND         ug/kg         50         7.0           Chloromethane         ND         ug/kg         200         47.           Bromomethane         ND         ug/kg         100         29.           Vinyl chloride         ND         ug/kg         50         17.           Chloroethane         ND         ug/kg         50         17.           Chloroethene         ND         ug/kg         50         12.           trans-1,2-Dichloroethene         ND         ug/kg         75         6.8           Trichloroethene         ND         ug/kg         25         6.8	Bromodichloromethane	ND		ug/kg	25		5.4	
1,3-Dichloropropene, Total         ND         ug/kg         25         7.9           Bromoform         ND         ug/kg         200         12.           1,1,2,2-Tetrachloroethane         ND         ug/kg         25         8.3           Benzene         ND         ug/kg         25         8.3           Toluene         ND         ug/kg         50         27.           Ethylbenzene         ND         ug/kg         50         7.0           Chloromethane         ND         ug/kg         200         47.           Bromomethane         ND         ug/kg         100         29.           Vinyl chloride         ND         ug/kg         50         17.           Chloroethane         ND         ug/kg         100         23.           1,1-Dichloroethene         ND         ug/kg         50         12.           trans-1,2-Dichloroethene         ND         ug/kg         75         6.8           Trichloroethene         ND         ug/kg         25         6.8	trans-1,3-Dichloropropene	ND		ug/kg	50		14.	
Bromoform         ND         ug/kg         200         12.           1,1,2,2-Tetrachloroethane         ND         ug/kg         25         8.3           Benzene         ND         ug/kg         25         8.3           Toluene         ND         ug/kg         50         27.           Ethylbenzene         ND         ug/kg         50         7.0           Chloromethane         ND         ug/kg         200         47.           Bromomethane         ND         ug/kg         100         29.           Vinyl chloride         ND         ug/kg         50         17.           Chloroethane         ND         ug/kg         100         23.           1,1-Dichloroethene         ND         ug/kg         50         12.           trans-1,2-Dichloroethene         ND         ug/kg         75         6.8           Trichloroethene         ND         ug/kg         25         6.8	cis-1,3-Dichloropropene	ND		ug/kg	25		7.9	
1,1,2,2-Tetrachloroethane         ND         ug/kg         25         8.3           Benzene         ND         ug/kg         25         8.3           Toluene         ND         ug/kg         50         27.           Ethylbenzene         ND         ug/kg         50         7.0           Chloromethane         ND         ug/kg         200         47.           Bromomethane         ND         ug/kg         100         29.           Vinyl chloride         ND         ug/kg         50         17.           Chloroethane         ND         ug/kg         50         17.           Chloroethene         ND         ug/kg         50         12.           trans-1,2-Dichloroethene         ND         ug/kg         75         6.8           Trichloroethene         ND         ug/kg         25         6.8	1,3-Dichloropropene, Total	ND		ug/kg	25		7.9	
Benzene         ND         ug/kg         25         8.3           Toluene         ND         ug/kg         50         27.           Ethylbenzene         ND         ug/kg         50         7.0           Chloromethane         ND         ug/kg         200         47.           Bromomethane         ND         ug/kg         100         29.           Vinyl chloride         ND         ug/kg         50         17.           Chloroethane         ND         ug/kg         100         23.           1,1-Dichloroethene         ND         ug/kg         50         12.           trans-1,2-Dichloroethene         ND         ug/kg         75         6.8           Trichloroethene         ND         ug/kg         25         6.8	Bromoform	ND		ug/kg	200		12.	
Toluene         ND         ug/kg         50         27.           Ethylbenzene         ND         ug/kg         50         7.0           Chloromethane         ND         ug/kg         200         47.           Bromomethane         ND         ug/kg         100         29.           Vinyl chloride         ND         ug/kg         50         17.           Chloroethane         ND         ug/kg         100         23.           1,1-Dichloroethene         ND         ug/kg         50         12.           trans-1,2-Dichloroethene         ND         ug/kg         75         6.8           Trichloroethene         ND         ug/kg         25         6.8	1,1,2,2-Tetrachloroethane	ND		ug/kg	25		8.3	
Ethylbenzene         ND         ug/kg         50         7.0           Chloromethane         ND         ug/kg         200         47.           Bromomethane         ND         ug/kg         100         29.           Vinyl chloride         ND         ug/kg         50         17.           Chloroethane         ND         ug/kg         100         23.           1,1-Dichloroethene         ND         ug/kg         50         12.           trans-1,2-Dichloroethene         ND         ug/kg         75         6.8           Trichloroethene         ND         ug/kg         25         6.8	Benzene	ND		ug/kg	25		8.3	
Chloromethane         ND         ug/kg         200         47.           Bromomethane         ND         ug/kg         100         29.           Vinyl chloride         ND         ug/kg         50         17.           Chloroethane         ND         ug/kg         100         23.           1,1-Dichloroethene         ND         ug/kg         50         12.           trans-1,2-Dichloroethene         ND         ug/kg         75         6.8           Trichloroethene         ND         ug/kg         25         6.8	Toluene	ND		ug/kg	50		27.	
Bromomethane         ND         ug/kg         100         29.           Vinyl chloride         ND         ug/kg         50         17.           Chloroethane         ND         ug/kg         100         23.           1,1-Dichloroethene         ND         ug/kg         50         12.           trans-1,2-Dichloroethene         ND         ug/kg         75         6.8           Trichloroethene         ND         ug/kg         25         6.8	Ethylbenzene	ND		ug/kg	50		7.0	
Vinyl chloride         ND         ug/kg         50         17.           Chloroethane         ND         ug/kg         100         23.           1,1-Dichloroethene         ND         ug/kg         50         12.           trans-1,2-Dichloroethene         ND         ug/kg         75         6.8           Trichloroethene         ND         ug/kg         25         6.8	Chloromethane	ND		ug/kg	200		47.	
Chloroethane         ND         ug/kg         100         23.           1,1-Dichloroethene         ND         ug/kg         50         12.           trans-1,2-Dichloroethene         ND         ug/kg         75         6.8           Trichloroethene         ND         ug/kg         25         6.8	Bromomethane	ND		ug/kg	100		29.	
1,1-Dichloroethene         ND         ug/kg         50         12.           trans-1,2-Dichloroethene         ND         ug/kg         75         6.8           Trichloroethene         ND         ug/kg         25         6.8	Vinyl chloride	ND		ug/kg	50		17.	
trans-1,2-Dichloroethene ND ug/kg 75 6.8  Trichloroethene ND ug/kg 25 6.8	Chloroethane	ND		ug/kg	100		23.	
Trichloroethene ND ug/kg 25 6.8	1,1-Dichloroethene	ND		ug/kg	50		12.	
3 3	trans-1,2-Dichloroethene	ND		ug/kg	75		6.8	
1,2-Dichlorobenzene ND ug/kg 100 7.2	Trichloroethene	ND		ug/kg	25		6.8	
	1,2-Dichlorobenzene	ND		ug/kg	100		7.2	



L1926118

Project Name: HVP-CASTLETON Lab Number:

Project Number: 19009EGP Report Date: 06/18/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C Analytical Date: 06/18/19 07:47

Analyst: MV

arameter	Result	Qualifier	Units	RL		MDL
olatile Organics by EPA 5035	High - Westbord	ough Lab fo	or sample(s):	03	Batch:	WG1249805-5
1,3-Dichlorobenzene	ND		ug/kg	100		7.4
1,4-Dichlorobenzene	ND		ug/kg	100		8.6
Methyl tert butyl ether	12	J	ug/kg	100		10.
p/m-Xylene	ND		ug/kg	100		28.
o-Xylene	ND		ug/kg	50		14.
Xylenes, Total	ND		ug/kg	50		14.
cis-1,2-Dichloroethene	ND		ug/kg	50		8.8
1,2-Dichloroethene, Total	ND		ug/kg	50		6.8
Styrene	ND		ug/kg	50		9.8
Dichlorodifluoromethane	ND		ug/kg	500		46.
Acetone	ND		ug/kg	500		240
Carbon disulfide	ND		ug/kg	500		230
2-Butanone	ND		ug/kg	500		110
4-Methyl-2-pentanone	ND		ug/kg	500		64.
2-Hexanone	ND		ug/kg	500		59.
Bromochloromethane	ND		ug/kg	100		10.
1,2-Dibromoethane	ND		ug/kg	50		14.
n-Butylbenzene	ND		ug/kg	50		8.4
sec-Butylbenzene	ND		ug/kg	50		7.3
tert-Butylbenzene	ND		ug/kg	100		5.9
1,2-Dibromo-3-chloropropane	ND		ug/kg	150		50.
Isopropylbenzene	ND		ug/kg	50		5.4
p-Isopropyltoluene	ND		ug/kg	50		5.4
Naphthalene	42	J	ug/kg	200		32.
n-Propylbenzene	ND		ug/kg	50		8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100		16.
1,2,4-Trichlorobenzene	ND		ug/kg	100		14.
1,3,5-Trimethylbenzene	ND		ug/kg	100		9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100		17.



L1926118

Project Name: HVP-CASTLETON Lab Number:

Project Number: 19009EGP Report Date: 06/18/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C Analytical Date: 06/18/19 07:47

Analyst: MV

Parameter	Result	Qualifier	Units	RL		MDL
Volatile Organics by EPA 5035 High	- Westbor	ough Lab fo	or sample(s):	03	Batch:	WG1249805-5
Methyl Acetate	ND		ug/kg	200		48.
Cyclohexane	ND		ug/kg	500		27.
1,4-Dioxane	ND		ug/kg	4000		1800
Freon-113	ND		ug/kg	200		35.
Methyl cyclohexane	ND		ug/kg	200		30.

		A	Acceptance
Surrogate	%Recovery	Qualifier	Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	116		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	96		70-130



**Project Name:** HVP-CASTLETON

Project Number: 19009EGP

Lab Number: L1926118

Parameter	LCS %Recovery	LCSD Qual %Recovery	%Recovery Qual Limits	RPD	RPD Qual Limits
Volatile Organics by EPA 5035 High - Wes	tborough Lab Ass	ociated sample(s): 03 Batch	: WG1249805-3 WG124980	05-4	
Methylene chloride	90	94	70-130	4	30
1,1-Dichloroethane	98	103	70-130	5	30
Chloroform	99	104	70-130	5	30
Carbon tetrachloride	114	121	70-130	6	30
1,2-Dichloropropane	96	101	70-130	5	30
Dibromochloromethane	98	92	70-130	6	30
1,1,2-Trichloroethane	96	89	70-130	8	30
Tetrachloroethene	111	105	70-130	6	30
Chlorobenzene	100	104	70-130	4	30
Trichlorofluoromethane	119	124	70-139	4	30
1,2-Dichloroethane	96	102	70-130	6	30
1,1,1-Trichloroethane	108	116	70-130	7	30
Bromodichloromethane	98	90	70-130	9	30
trans-1,3-Dichloropropene	99	90	70-130	10	30
cis-1,3-Dichloropropene	102	88	70-130	15	30
Bromoform	99	104	70-130	5	30
1,1,2,2-Tetrachloroethane	93	97	70-130	4	30
Benzene	100	104	70-130	4	30
Toluene	101	97	70-130	4	30
Ethylbenzene	106	110	70-130	4	30
Chloromethane	96	98	52-130	2	30
Bromomethane	110	111	57-147	1	30
Vinyl chloride	116	119	67-130	3	30



**Project Name:** HVP-CASTLETON

Project Number: 19009EGP

Lab Number: L1926118

Parameter	LCS %Recovery	LCSD Qual %Recovery	%Recovery Qual Limits	RPD	RPD Qual Limits
Volatile Organics by EPA 5035 High - We	estborough Lab Asso	ciated sample(s): 03 Bate	ch: WG1249805-3 WG12498	05-4	
Chloroethane	115	119	50-151	3	30
1,1-Dichloroethene	107	115	65-135	7	30
trans-1,2-Dichloroethene	106	112	70-130	6	30
Trichloroethene	103	109	70-130	6	30
1,2-Dichlorobenzene	100	105	70-130	5	30
1,3-Dichlorobenzene	103	108	70-130	5	30
1,4-Dichlorobenzene	101	106	70-130	5	30
Methyl tert butyl ether	101	107	66-130	6	30
p/m-Xylene	108	120	70-130	11	30
o-Xylene	107	120	70-130	11	30
cis-1,2-Dichloroethene	102	107	70-130	5	30
Styrene	107	120	70-130	11	30
Dichlorodifluoromethane	112	119	30-146	6	30
Acetone	90	98	54-140	9	30
Carbon disulfide	99	103	59-130	4	30
2-Butanone	87	99	70-130	13	30
4-Methyl-2-pentanone	96	87	70-130	10	30
2-Hexanone	96	89	70-130	8	30
Bromochloromethane	101	108	70-130	7	30
1,2-Dibromoethane	98	90	70-130	9	30
n-Butylbenzene	111	116	70-130	4	30
sec-Butylbenzene	109	115	70-130	5	30
tert-Butylbenzene	109	114	70-130	4	30



Project Name: HVP-CASTLETON

**Project Number:** 19009EGP

Lab Number:

L1926118

Report Date:

06/18/19

arameter	LCS %Recovery	Qual	LCSD %Recovery	%Recovery Qual Limits	RPD	RPD Qual Limits	
olatile Organics by EPA 5035 High - Wes	stborough Lab Asso	ociated sample	e(s): 03 Bat	ch: WG1249805-3 WG1249	805-4		
1,2-Dibromo-3-chloropropane	100		106	68-130	6	30	
Isopropylbenzene	108		112	70-130	4	30	
p-Isopropyltoluene	112		118	70-130	5	30	
Naphthalene	109		112	70-130	3	30	
n-Propylbenzene	105		110	70-130	5	30	
1,2,3-Trichlorobenzene	108		112	70-130	4	30	
1,2,4-Trichlorobenzene	110		112	70-130	2	30	
1,3,5-Trimethylbenzene	105		110	70-130	5	30	
1,2,4-Trimethylbenzene	106		112	70-130	6	30	
Methyl Acetate	86		92	51-146	7	30	
Cyclohexane	107		115	59-142	7	30	
1,4-Dioxane	109		95	65-136	14	30	
Freon-113	115		122	50-139	6	30	
Methyl cyclohexane	112		119	70-130	6	30	

Surrogate	LCS	LCSD	Acceptance
	%Recovery Qua	Il %Recovery Qual	Criteria
1,2-Dichloroethane-d4	97	99	70-130
Toluene-d8	99	90	70-130
4-Bromofluorobenzene Dibromofluoromethane	99	100	70-130
	99	101	70-130



### **SEMIVOLATILES**



Project Name: HVP-CASTLETON Lab Number: L1926118

Project Number: 19009EGP Report Date: 06/18/19

**SAMPLE RESULTS** 

Lab ID: L1926118-03 Date Collected: 06/17/19 14:00

Client ID: TP-3 (8-9') Date Received: 06/17/19

Sample Location: 1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Extraction Method: EPA 3546
Analytical Method: 1 8270D Extraction Date: 06/18/19 08:46

Analytical Method: 1,8270D Extraction Date: 06/18/19 08:46
Analytical Date: 06/18/19 15:59

Analyst: JG Percent Solids: 72%

Semivolatile Organics by GC/MS - Westborough Lab           Accapaphthene         830         ug/kg         180         23.         1           1,2.4-Trichlorobenzene         ND         ug/kg         220         26.         1           Hexachlorobenzene         ND         ug/kg         140         25.         1           Bis(2-chloroethyl)ether         ND         ug/kg         200         31.         1           2-Chloronephylhalene         ND         ug/kg         220         22.         1           1,2-Dichlorobenzene         ND         ug/kg         220         39.         1           1,2-Dichlorobenzene         ND         ug/kg         220         39.         1           1,4-Dichlorobenzene         ND         ug/kg         220         39.         1           2,4-Dinitrobluene         ND         ug/kg         220         39.         1           4-Chlorophenyl phen	Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1.2.4-Trichlorobenzene         ND         ug/kg         220         26.         1           Hexachlorobenzene         ND         ug/kg         140         25.         1           Bis(2-chloroethyl)ether         ND         ug/kg         200         31.         1           2-Chloronaphthalene         ND         ug/kg         220         22.         1           1.3-Dichlorobenzene         ND         ug/kg         220         39.         1           1.3-Dichlorobenzene         ND         ug/kg         220         39.         1           1.4-Dichlorobenzene         ND         ug/kg         220         45.         1           2.4-Dinitrotluene         ND         ug/kg         220         45.         1           2.6-Dinitrotluene         ND         ug/kg         220         34.         1           1-Buranthene         13000         E         ug/kg         220 <td>Semivolatile Organics by GC/MS - V</td> <td>Vestborough Lab</td> <td></td> <td></td> <td></td> <td></td> <td></td>	Semivolatile Organics by GC/MS - V	Vestborough Lab					
1.2.4-Trichlorobenzene         ND         ug/kg         220         26.         1           Hexachlorobenzene         ND         ug/kg         140         25.         1           Bis(2-chloroethyl)ether         ND         ug/kg         200         31.         1           2-Chloronaphthalene         ND         ug/kg         220         22.         1           1.3-Dichlorobenzene         ND         ug/kg         220         39.         1           1.3-Dichlorobenzene         ND         ug/kg         220         39.         1           1.4-Dichlorobenzene         ND         ug/kg         220         45.         1           2.4-Dinitrotluene         ND         ug/kg         220         45.         1           2.6-Dinitrotluene         ND         ug/kg         220         39.         1           Pluoranthene         13000         E         ug/kg         220 <td>Acenaphthene</td> <td>830</td> <td></td> <td>ug/kg</td> <td>180</td> <td>23.</td> <td>1</td>	Acenaphthene	830		ug/kg	180	23.	1
ND	1,2,4-Trichlorobenzene	ND			220	26.	1
Bis(2-chloroethyl)ether   ND   ug/kg   200   31.   1   2-Chloronaphthalene   ND   ug/kg   220   22.   1   2-Chloronaphthalene   ND   ug/kg   220   40.   1   2-Chlorobenzene   ND   ug/kg   220   39.   1   2-Chlorobenzene   ND   ug/kg   220   39.   1   2-Chlorobenzene   ND   ug/kg   220   39.   1   2-Chlorobenzene   ND   ug/kg   220   60.   1   2-Chlorobenzene   ND   ug/kg   220   45.   1   2-Chlorobenzene   ND   ug/kg   220   39.   1   2-Chlorobenzene   ND   ug/kg   220   34.   1   2-Chlorobenzene   ND   ug/kg   220   33.   1   2-Chlorobenzene   ND   ug/kg   220   27.   1   2-Chlorobenzene   ND   ug/kg   220   27.   1   2-Chlorobenzene   ND   ug/kg   220   27.   1   2-Chlorobenzene   ND   ug/kg   220   33.   1   2-Chlorobenzene   ND   ug/kg   220   35.   1   2-Chlorobenzene   ND   ug/kg   220   35.   1   2-Chlorobenzene   ND   ug/kg   220   35.   1   2-Chlor	Hexachlorobenzene	ND			140	25.	1
1,2-Dichlorobenzene         ND         ug/kg         220         40.         1           1,3-Dichlorobenzene         ND         ug/kg         220         39.         1           1,4-Dichlorobenzene         ND         ug/kg         220         39.         1           3,3-Dichlorobenzidine         ND         ug/kg         220         60.         1           2,4-Dinitrotoluene         ND         ug/kg         220         45.         1           2,6-Dinitrotoluene         ND         ug/kg         220         39.         1           Pluoranthene         13000         E         ug/kg         220         39.         1           4-Chlorophenyl phenyl ether         ND         ug/kg         220         34.         1           4-Chlorophenyl phenyl ether         ND         ug/kg         220         34.         1           4-Bis(2-chlorostyopyl)ether         ND         ug/kg         270         38.         1           Bis(2-chlorostyopopyl)ether         ND         ug/kg         240         23.         1           Hexachlorobutadiene         ND         ug/kg         20         33.         1           Hexachlorocyclopentadiene         ND	Bis(2-chloroethyl)ether	ND		ug/kg	200	31.	1
1,3-Dichlorobenzene         ND         ug/kg         220         39.         1           1,4-Dichlorobenzene         ND         ug/kg         220         39.         1           3,3-Dichlorobenzidine         ND         ug/kg         220         60.         1           2,4-Dinitrotoluene         ND         ug/kg         220         45.         1           2,6-Dinitrotoluene         ND         ug/kg         220         39.         1           Fluoranthene         13000         E         ug/kg         220         39.         1           Fluoranthene         13000         E         ug/kg         220         39.         1           4-Chlorophenyl phenyl ether         ND         ug/kg         220         24.         1           4-Bromophenyl phenyl ether         ND         ug/kg         220         34.         1           Bis(2-chlorostynpetyl)ether         ND         ug/kg         20         34.         1           Bis(2-chlorostynpetyl)mether         ND         ug/kg         240         23.         1           Hexachlorostudiene         ND         ug/kg         20         33.         1           Hexachlorostudiene         ND	2-Chloronaphthalene	ND		ug/kg	220	22.	1
1,4-Dichlorobenzene         ND         ug/kg         220         39.         1           3,3'-Dichlorobenzidine         ND         ug/kg         220         60.         1           2,4-Dinitrotoluene         ND         ug/kg         220         45.         1           2,6-Dinitrotoluene         ND         ug/kg         220         39.         1           Fluoranthene         13000         E         ug/kg         220         39.         1           4-Chlorophenyl phenyl ether         ND         ug/kg         220         24.         1           4-Bromophenyl phenyl ether         ND         ug/kg         220         34.         1           4-Bis(2-chloroisopropyl)ether         ND         ug/kg         270         38.         1           Bis(2-chlorosthoxy)methane         ND         ug/kg         240         23.         1           Hexachlorobutadiene         ND         ug/kg         240         23.         1           Hexachlorocyclopentadiene         ND         ug/kg         640         200         1           Hexachlorocyclopentadiene         ND         ug/kg         20         29.         1           Np         ug/kg         2	1,2-Dichlorobenzene	ND		ug/kg	220	40.	1
3,3*-Dichlorobenzidine         ND         ug/kg         220         60.         1           2,4*-Dinitrotoluene         ND         ug/kg         220         45.         1           2,6*-Dinitrotoluene         ND         ug/kg         220         39.         1           Fluoranthene         13000         E         ug/kg         220         39.         1           Fluoranthene         13000         E         ug/kg         220         24.         1           4*-Chlorophenyl phenyl ether         ND         ug/kg         220         34.         1           4*-Bromophenyl phenyl ether         ND         ug/kg         220         34.         1           4*-Bromophenyl phenyl ether         ND         ug/kg         220         34.         1           4*-Bromophenyl phenyl ether         ND         ug/kg         220         34.         1           Bis(2*-chlorostopropyl)ether         ND         ug/kg         220         33.         1           Hexachlorostopropyl)ether         ND         ug/kg         240         23.         1           Hexachlorobutadiene         ND         ug/kg         640         200         1           Hexachlorobutadiene <td>1,3-Dichlorobenzene</td> <td>ND</td> <td></td> <td>ug/kg</td> <td>220</td> <td>39.</td> <td>1</td>	1,3-Dichlorobenzene	ND		ug/kg	220	39.	1
2,4-Dinitrotoluene         ND         ug/kg         220         45.         1           2,6-Dinitrotoluene         ND         ug/kg         220         39.         1           Fluoranthene         13000         E         ug/kg         140         26.         1           4-Chlorophenyl phenyl ether         ND         ug/kg         220         24.         1           4-Bromophenyl phenyl ether         ND         ug/kg         220         34.         1           8is(2-chloroisopropyl)ether         ND         ug/kg         270         38.         1           Bis(2-chloroisopropyl)ether         ND         ug/kg         240         23.         1           Bis(2-chloroisopropyl)ether         ND         ug/kg         240         23.         1           Bis(2-chloroisopropyl)ether         ND         ug/kg         220         33.         1           Hexachlorobutadiene         ND         ug/kg         200         33.         1           Hexachlorocyclopentadiene         ND         ug/kg         200         29.         1           Hexachlorocyclopentadiene         ND         ug/kg         220         27.         1           Naphylhalene         N	1,4-Dichlorobenzene	ND		ug/kg	220	39.	1
2,6-Dinitrotoluene ND ug/kg 220 39. 1 Fluoranthene 13000 E ug/kg 140 26. 1 4-Chlorophenyl phenyl ether ND ug/kg 220 24. 1 5-Bis(2-chloroisopropyl)ether ND ug/kg 220 34. 1 5-Bis(2-chloroisopropyl)ether ND ug/kg 270 38. 1 5-Bis(2-chloroisopropyl)ether ND ug/kg 270 38. 1 5-Bis(2-chloroisopropyl)ether ND ug/kg 240 23. 1 5-Bis(2-chloroisopropyl)ether ND ug/kg 240 23. 1 5-Bis(2-chloroethoxy)methane ND ug/kg 240 23. 1 5-Bis(2-chloroethoxy)methane ND ug/kg 20 33. 1 5-Bis(2-chloroethoxy)methane ND ug/kg 20 33. 1 5-Bis(2-chloroethoxy)methane ND ug/kg 20 33. 1 6-Bis(2-chloroethoxy)methane ND ug/kg 20 33. 1 6-Bis(2-chloroethoxy)methane ND ug/kg 20 29. 1 7-Bitrobenzene ND ug/kg 20 27. 1 7-Bitrobenzene ND ug/kg 20 33. 1 7-Bitrobenzene ND ug/kg 20 33. 1 7-Bitrobenzene ND ug/kg 20 35. 1 8-Bis(2-chlylhexyl)phthalate ND ug/kg 220 78. 1 8-Bis(2-chlylhexyl)phthalate ND ug/kg 220 57. 1	3,3'-Dichlorobenzidine	ND		ug/kg	220	60.	1
Fluoranthene 13000 E ug/kg 140 26. 1 4-Chlorophenyl phenyl ether ND ug/kg 220 24. 1 4-Bromophenyl phenyl ether ND ug/kg 220 34. 1 Bis(2-chloroisopropyl)ether ND ug/kg 270 38. 1 Bis(2-chloroethoxy)methane ND ug/kg 240 23. 1 Hexachlorobutadiene ND ug/kg 220 33. 1 Hexachlorocyclopentadiene ND ug/kg 220 33. 1 Hexachlorocyclopentadiene ND ug/kg 640 200 1 Hexachlorocyclopentadiene ND ug/kg 180 36. 1 Isophorone ND ug/kg 200 29. 1 Naphthalene 1800 ug/kg 200 29. 1 Naphthalene ND ug/kg 200 33. 1 NDPA/DPA ND ug/kg 200 33. 1 NDPA/DPA ND ug/kg 200 33. 1 NDPA/DPA ND ug/kg 200 35. 1 Sis(2-chloroethoxy)methane ND ug/kg 220 35. 1 NDPA/DPA ND ug/kg 200 35. 1 Bis(2-chloroethoxy)methane ND ug/kg 220 78. 1 Sis(2-chloroethoxy)methane ND ug/kg 220 77. 1 Sitrobenzene ND ug/kg 220 35. 1 Bis(2-chlylhexyl)phthalate ND ug/kg 220 78. 1 Sis(2-chlylhexyl)phthalate ND ug/kg 220 77. 1	2,4-Dinitrotoluene	ND		ug/kg	220	45.	1
4-Chlorophenyl phenyl ether ND ug/kg 220 24. 1 4-Bromophenyl phenyl ether ND ug/kg 220 34. 1 Bis(2-chloroisopropyl)ether ND ug/kg 270 38. 1 Bis(2-chloroethoxy)methane ND ug/kg 240 23. 1 Hexachlorobutadiene ND ug/kg 220 33. 1 Hexachlorocyclopentadiene ND ug/kg 220 33. 1 Hexachlorocyclopentadiene ND ug/kg 640 200 1 Hexachloroethane ND ug/kg 180 36. 1 Isophorone ND ug/kg 200 29. 1 Naphthalene 1800 ug/kg 200 29. 1 Nitrobenzene ND ug/kg 200 33. 1 NDPA/DPA ND ug/kg 200 33. 1 NDPA/DPA ND ug/kg 200 35. 1 NDPA/DPA ND ug/kg 200 35. 1 Sis(2-chloroethane ND ug/kg 220 35. 1 NDPA/DPA ND ug/kg 220 35. 1 Bis(2-chloroethane ND ug/kg 220 78. 1 Di-n-butylphthalate ND ug/kg 220 57. 1 Di-n-butylphthalate ND ug/kg 220 57. 1	2,6-Dinitrotoluene	ND		ug/kg	220	39.	1
4-Bromophenyl phenyl ether ND ug/kg 220 34. 1  Bis(2-chloroisopropyl)ether ND ug/kg 270 38. 1  Bis(2-chloroethoxy)methane ND ug/kg 240 23. 1  Hexachlorobutadiene ND ug/kg 220 33. 1  Hexachlorocyclopentadiene ND ug/kg 640 200 1  Hexachlorocyclopentadiene ND ug/kg 180 36. 1  Isophorone ND ug/kg 200 29. 1  Naphthalene 1800 ug/kg 200 29. 1  Nitrobenzene ND ug/kg 200 33. 1  NDPA/DPA ND ug/kg 200 33. 1  NDPA/DPA ND ug/kg 200 35. 1  NDPA/DPA ND ug/kg 200 35. 1  Bis(2-ethylhexyl)phthalate ND ug/kg 220 78. 1  Butyl benzyl phthalate ND ug/kg 220 57. 1  Butyl benzyl phthalate ND ug/kg 220 57. 1  Di-n-butylphthalate ND ug/kg 220 57. 1	Fluoranthene	13000	Е	ug/kg	140	26.	1
Bis(2-chloroisopropyl)ether         ND         ug/kg         270         38.         1           Bis(2-chloroethoxy)methane         ND         ug/kg         240         23.         1           Hexachlorobutadiene         ND         ug/kg         220         33.         1           Hexachlorocyclopentadiene         ND         ug/kg         640         200         1           Hexachlorocyclopentadiene         ND         ug/kg         180         36.         1           Hexachlorocyclopentadiene         ND         ug/kg         200         29.         1           Hexachlorocyclopentadiene         ND         ug/kg         200         29.         1           Isophorone         ND         ug/kg         200         29.         1           Naphthalene         1800         ug/kg         220         27.         1           Nitrobenzene         ND         ug/kg         200         33.         1           NDPA/DPA         ND         ug/kg         180         26.         1           n-Nitrosodi-n-propylamine         ND         ug/kg         220         35.         1           Bis(2-ethylhexyl)phthalate         ND         ug/kg         220<	4-Chlorophenyl phenyl ether	ND		ug/kg	220	24.	1
Bis(2-chloroethoxy)methane         ND         ug/kg         240         23.         1           Hexachlorobutadiene         ND         ug/kg         220         33.         1           Hexachlorocyclopentadiene         ND         ug/kg         640         200         1           Hexachlorocthane         ND         ug/kg         180         36.         1           Isophorone         ND         ug/kg         200         29.         1           Naphthalene         1800         ug/kg         220         27.         1           Nitrobenzene         ND         ug/kg         200         33.         1           NDPA/DPA         ND         ug/kg         180         26.         1           n-Nitrosodi-n-propylamine         ND         ug/kg         220         35.         1           Bis(2-ethylhexyl)phthalate         ND         ug/kg         220         78.         1           Butyl benzyl phthalate         ND         ug/kg         220         57.         1           Di-n-butylphthalate         ND         ug/kg         220         43.         1	4-Bromophenyl phenyl ether	ND		ug/kg	220	34.	1
Hexachlorobutadiene         ND         ug/kg         220         33.         1           Hexachlorocyclopentadiene         ND         ug/kg         640         200         1           Hexachloroethane         ND         ug/kg         180         36.         1           Isophorone         ND         ug/kg         200         29.         1           Naphthalene         1800         ug/kg         220         27.         1           Nitrobenzene         ND         ug/kg         200         33.         1           NDPA/DPA         ND         ug/kg         180         26.         1           n-Nitrosodi-n-propylamine         ND         ug/kg         220         35.         1           Bis(2-ethylhexyl)phthalate         ND         ug/kg         220         78.         1           Butyl benzyl phthalate         ND         ug/kg         220         57.         1           Di-n-butylphthalate         ND         ug/kg         220         43.         1	Bis(2-chloroisopropyl)ether	ND		ug/kg	270	38.	1
Hexachlorocyclopentadiene   ND   ug/kg   640   200   1     Hexachlorocethane   ND   ug/kg   180   36   1     Isophorone   ND   ug/kg   200   29   1     Naphthalene   1800   ug/kg   220   27   1     Nitrobenzene   ND   ug/kg   200   33   1     NDPA/DPA   ND   ug/kg   180   26   1     N-Nitrosodi-n-propylamine   ND   ug/kg   220   35   1     Bis(2-ethylhexyl)phthalate   ND   ug/kg   220   78   1     Butyl benzyl phthalate   ND   ug/kg   220   57   1     Di-n-butylphthalate   ND   ug/kg   220   43   1	Bis(2-chloroethoxy)methane	ND		ug/kg	240	23.	1
Hexachloroethane         ND         ug/kg         180         36.         1           Isophorone         ND         ug/kg         200         29.         1           Naphthalene         1800         ug/kg         220         27.         1           Nitrobenzene         ND         ug/kg         200         33.         1           NDPA/DPA         ND         ug/kg         180         26.         1           n-Nitrosodi-n-propylamine         ND         ug/kg         220         35.         1           Bis(2-ethylhexyl)phthalate         ND         ug/kg         220         78.         1           Butyl benzyl phthalate         ND         ug/kg         220         57.         1           Di-n-butylphthalate         ND         ug/kg         220         43.         1	Hexachlorobutadiene	ND		ug/kg	220	33.	1
Sophorone   ND   ug/kg   200   29.   1	Hexachlorocyclopentadiene	ND		ug/kg	640	200	1
Naphthalene         1800         ug/kg         220         27.         1           Nitrobenzene         ND         ug/kg         200         33.         1           NDPA/DPA         ND         ug/kg         180         26.         1           n-Nitrosodi-n-propylamine         ND         ug/kg         220         35.         1           Bis(2-ethylhexyl)phthalate         ND         ug/kg         220         78.         1           Butyl benzyl phthalate         ND         ug/kg         220         57.         1           Di-n-butylphthalate         ND         ug/kg         220         43.         1	Hexachloroethane	ND		ug/kg	180	36.	1
NITO         ug/kg         200         33.         1           NDPA/DPA         ND         ug/kg         180         26.         1           n-Nitrosodi-n-propylamine         ND         ug/kg         220         35.         1           Bis(2-ethylhexyl)phthalate         ND         ug/kg         220         78.         1           Butyl benzyl phthalate         ND         ug/kg         220         57.         1           Di-n-butylphthalate         ND         ug/kg         220         43.         1	Isophorone	ND		ug/kg	200	29.	1
NDPA/DPA         ND         ug/kg         180         26.         1           n-Nitrosodi-n-propylamine         ND         ug/kg         220         35.         1           Bis(2-ethylhexyl)phthalate         ND         ug/kg         220         78.         1           Butyl benzyl phthalate         ND         ug/kg         220         57.         1           Di-n-butylphthalate         ND         ug/kg         220         43.         1	Naphthalene	1800		ug/kg	220	27.	1
n-Nitrosodi-n-propylamine         ND         ug/kg         220         35.         1           Bis(2-ethylhexyl)phthalate         ND         ug/kg         220         78.         1           Butyl benzyl phthalate         ND         ug/kg         220         57.         1           Di-n-butylphthalate         ND         ug/kg         220         43.         1	Nitrobenzene	ND		ug/kg	200	33.	1
Bis(2-ethylhexyl)phthalate ND ug/kg 220 78. 1  Butyl benzyl phthalate ND ug/kg 220 57. 1  Di-n-butylphthalate ND ug/kg 220 43. 1	NDPA/DPA	ND		ug/kg	180	26.	1
Butyl benzyl phthalate ND ug/kg 220 57. 1  Di-n-butylphthalate ND ug/kg 220 43. 1	n-Nitrosodi-n-propylamine	ND		ug/kg	220	35.	1
Di-n-butylphthalate ND ug/kg 220 43. 1	Bis(2-ethylhexyl)phthalate	ND		ug/kg	220	78.	1
21	Butyl benzyl phthalate	ND		ug/kg	220	57.	1
Di-n-octylphthalate ND ug/kg 220 77. 1	Di-n-butylphthalate	ND		ug/kg	220	43.	1
	Di-n-octylphthalate	ND		ug/kg	220	77.	1



**Project Name:** Lab Number: **HVP-CASTLETON** L1926118

**Project Number:** Report Date: 19009EGP 06/18/19

**SAMPLE RESULTS** 

Lab ID: L1926118-03 Date Collected: 06/17/19 14:00

Client ID: Date Received: 06/17/19 TP-3 (8-9')

Sample Location: 1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - V	Westborough Lab					
Diethyl phthalate	ND		ug/kg	220	21.	1
Dimethyl phthalate	ND		ug/kg	220	47.	1
Benzo(a)anthracene	8400		ug/kg	140	25.	1
Benzo(a)pyrene	8400		ug/kg	180	55.	1
Benzo(b)fluoranthene	10000	Е	ug/kg	140	38.	1
Benzo(k)fluoranthene	2800		ug/kg	140	36.	1
Chrysene	6800		ug/kg	140	23.	1
Acenaphthylene	730		ug/kg	180	35.	1
Anthracene	2900		ug/kg	140	44.	1
Benzo(ghi)perylene	4900		ug/kg	180	26.	1
Fluorene	1200		ug/kg	220	22.	1
Phenanthrene	9800	Е	ug/kg	140	27.	1
Dibenzo(a,h)anthracene	1200		ug/kg	140	26.	1
Indeno(1,2,3-cd)pyrene	4600		ug/kg	180	31.	1
Pyrene	12000	Е	ug/kg	140	22.	1
Biphenyl	120	J	ug/kg	510	52.	1
4-Chloroaniline	ND		ug/kg	220	41.	1
2-Nitroaniline	ND		ug/kg	220	44.	1
3-Nitroaniline	ND		ug/kg	220	42.	1
4-Nitroaniline	ND		ug/kg	220	93.	1
Dibenzofuran	660		ug/kg	220	21.	1
2-Methylnaphthalene	880		ug/kg	270	27.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	24.	1
Acetophenone	ND		ug/kg	220	28.	1
2,4,6-Trichlorophenol	ND		ug/kg	140	43.	1
p-Chloro-m-cresol	ND		ug/kg	220	34.	1
2-Chlorophenol	ND		ug/kg	220	27.	1
2,4-Dichlorophenol	ND		ug/kg	200	36.	1
2,4-Dimethylphenol	ND		ug/kg	220	74.	1
2-Nitrophenol	ND		ug/kg	490	85.	1
4-Nitrophenol	ND		ug/kg	320	92.	1
2,4-Dinitrophenol	ND		ug/kg	1100	100	1
4,6-Dinitro-o-cresol	ND		ug/kg	590	110	1
Pentachlorophenol	ND		ug/kg	180	50.	1
Phenol	ND		ug/kg	220	34.	1
2-Methylphenol	ND		ug/kg	220	35.	1
3-Methylphenol/4-Methylphenol	86	J	ug/kg	320	35.	1



Project Name: HVP-CASTLETON Lab Number: L1926118

Project Number: 19009EGP Report Date: 06/18/19

**SAMPLE RESULTS** 

Lab ID: L1926118-03 Date Collected: 06/17/19 14:00

Client ID: TP-3 (8-9') Date Received: 06/17/19
Sample Location: 1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/M	S - Westborough Lab					
2,4,5-Trichlorophenol	ND		ug/kg	220	43.	1
Benzoic Acid	ND		ug/kg	730	230	1
Benzyl Alcohol	ND		ug/kg	220	69.	1
Carbazole	1000		ug/kg	220	22.	1
1,4-Dioxane	ND		ug/kg	34	10.	1

Surrogate	% Recovery	Acceptance Qualifier Criteria	
2-Fluorophenol	72	25-120	
Phenol-d6	67	10-120	
Nitrobenzene-d5	36	23-120	
2-Fluorobiphenyl	76	30-120	
2,4,6-Tribromophenol	84	10-136	
4-Terphenyl-d14	62	18-120	



Project Name: HVP-CASTLETON Lab Number: L1926118

Project Number: 19009EGP Report Date: 06/18/19

**SAMPLE RESULTS** 

Lab ID: L1926118-03 D Date Collected: 06/17/19 14:00

Client ID: TP-3 (8-9') Date Received: 06/17/19

Sample Location: 1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil Extraction Method: EPA 3546
Analytical Method: 1 8270D Extraction Date: 06/18/19 08:46

Analytical Method: 1,8270D Extraction Date: 06/18/19 08:46
Analytical Date: 06/18/19 17:41

Analyst: JG Percent Solids: 72%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS	S - Westborough Lab					
Fluoranthene	16000		ug/kg	680	130	5
Benzo(b)fluoranthene	11000		ug/kg	680	190	5
Phenanthrene	11000		ug/kg	680	140	5
Pyrene	14000		ug/kg	680	110	5



L1926118

Lab Number:

Project Name: HVP-CASTLETON

Project Number: 19009EGP Report Date: 06/18/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D Extraction Method: EPA 3546
Analytical Date: 06/18/19 15:26 Extraction Date: 06/17/19 11:22

Analyst: JG

Parameter	Result	Qualifier	Units		RL	MDL
Semivolatile Organics by GC/MS	- Westborough	Lab for s	ample(s):	03	Batch:	WG1249437-1
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	26.
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:** HVP-CASTLETON

Project Number: 19009EGP

Lab Number: L1926118

**Report Date:** 06/18/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D Analytical Date: 06/18/19 15:26

Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 06/17/19 11:22

arameter	Result	Qualifier	Units	F	RL	MDL	
emivolatile Organics by GC/N	/IS - Westboroug	h Lab for s	ample(s):	03	Batch:	WG1249437-1	
Dimethyl phthalate	ND		ug/kg	1	60	35.	
Benzo(a)anthracene	ND		ug/kg	(	99	19.	
Benzo(a)pyrene	ND		ug/kg	1	30	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	1	30	26.	
Anthracene	ND		ug/kg	(	99	32.	
Benzo(ghi)perylene	ND		ug/kg	1	30	19.	
Fluorene	ND		ug/kg	1	60	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	1	30	23.	
Pyrene	ND		ug/kg	(	99	16.	
Biphenyl	ND		ug/kg	3	80	38.	
4-Chloroaniline	ND		ug/kg	1	60	30.	
2-Nitroaniline	ND		ug/kg	1	60	32.	
3-Nitroaniline	ND		ug/kg	1	60	31.	
4-Nitroaniline	ND		ug/kg	1	60	68.	
Dibenzofuran	ND		ug/kg	1	60	16.	
2-Methylnaphthalene	ND		ug/kg	2	:00	20.	
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1	60	17.	
Acetophenone	ND		ug/kg	1	60	20.	
2,4,6-Trichlorophenol	ND		ug/kg	(	99	31.	
p-Chloro-m-cresol	ND		ug/kg	1	60	25.	
2-Chlorophenol	ND		ug/kg	1	60	20.	
2,4-Dichlorophenol	ND		ug/kg	1	50	26.	
2,4-Dimethylphenol	ND		ug/kg	1	60	54.	
2-Nitrophenol	ND		ug/kg	3	60	62.	



L1926118

Lab Number:

Project Name: HVP-CASTLETON

Project Number: 19009EGP Report Date: 06/18/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D Analytical Date: 06/18/19 15:26

Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 06/17/19 11:22

Parameter	Result	Qualifier	Units		RL	MDL	
Semivolatile Organics by GC/MS -	Westboroug	gh Lab for s	ample(s):	03	Batch:	WG1249437-1	
4-Nitrophenol	ND		ug/kg		230	67.	
2,4-Dinitrophenol	ND		ug/kg		790	77.	
4,6-Dinitro-o-cresol	ND		ug/kg		430	79.	
Pentachlorophenol	ND		ug/kg		130	36.	
Phenol	ND		ug/kg		160	25.	
2-Methylphenol	ND		ug/kg		160	26.	
3-Methylphenol/4-Methylphenol	ND		ug/kg		240	26.	
2,4,5-Trichlorophenol	ND		ug/kg		160	32.	
Benzoic Acid	ND		ug/kg		540	170	
Benzyl Alcohol	ND		ug/kg		160	50.	
Carbazole	ND		ug/kg		160	16.	
1,4-Dioxane	ND		ug/kg		25	7.6	

%Recovery Quali	Acceptance fier Criteria
75	25-120
74	10-120
87	23-120
69	30-120
78	10-136
72	18-120
	75 74 87 69 78



**Project Name:** HVP-CASTLETON

Project Number: 19009EGP

Lab Number: L1926118

arameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	RPD Qual Limits
emivolatile Organics by GC/MS - West	tborough Lab Associ	ated sample(s):	03 Batch:	WG1249437-2	2 WG1249437-3		
Acenaphthene	74		72		31-137	3	50
1,2,4-Trichlorobenzene	75		72		38-107	4	50
Hexachlorobenzene	77		75		40-140	3	50
Bis(2-chloroethyl)ether	78		74		40-140	5	50
2-Chloronaphthalene	77		75		40-140	3	50
1,2-Dichlorobenzene	72		66		40-140	9	50
1,3-Dichlorobenzene	70		66		40-140	6	50
1,4-Dichlorobenzene	70		66		28-104	6	50
3,3'-Dichlorobenzidine	75		71		40-140	5	50
2,4-Dinitrotoluene	85		85		40-132	0	50
2,6-Dinitrotoluene	92		91		40-140	1	50
Fluoranthene	77		74		40-140	4	50
4-Chlorophenyl phenyl ether	72		72		40-140	0	50
4-Bromophenyl phenyl ether	76		75		40-140	1	50
Bis(2-chloroisopropyl)ether	83		78		40-140	6	50
Bis(2-chloroethoxy)methane	83		79		40-117	5	50
Hexachlorobutadiene	72		69		40-140	4	50
Hexachlorocyclopentadiene	39	Q	42		40-140	7	50
Hexachloroethane	70		66		40-140	6	50
Isophorone	82		79		40-140	4	50
Naphthalene	74		71		40-140	4	50
Nitrobenzene	94		90		40-140	4	50
NDPA/DPA	77		76		36-157	1	50



**Project Name:** HVP-CASTLETON

Project Number: 19009EGP

Lab Number: L1926118

arameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	RPD Qual Limits
Semivolatile Organics by GC/MS	- Westborough Lab Associ	ated sample(s):	03 Batch:	WG1249437-2	2 WG1249437-3		
n-Nitrosodi-n-propylamine	84		81		32-121	4	50
Bis(2-ethylhexyl)phthalate	89		87		40-140	2	50
Butyl benzyl phthalate	84		81		40-140	4	50
Di-n-butylphthalate	82		78		40-140	5	50
Di-n-octylphthalate	88		86		40-140	2	50
Diethyl phthalate	76		75		40-140	1	50
Dimethyl phthalate	77		77		40-140	0	50
Benzo(a)anthracene	75		72		40-140	4	50
Benzo(a)pyrene	81		79		40-140	3	50
Benzo(b)fluoranthene	79		76		40-140	4	50
Benzo(k)fluoranthene	76		76		40-140	0	50
Chrysene	74		71		40-140	4	50
Acenaphthylene	78		77		40-140	1	50
Anthracene	75		72		40-140	4	50
Benzo(ghi)perylene	73		71		40-140	3	50
Fluorene	74		73		40-140	1	50
Phenanthrene	73		70		40-140	4	50
Dibenzo(a,h)anthracene	74		71		40-140	4	50
Indeno(1,2,3-cd)pyrene	77		74		40-140	4	50
Pyrene	77		73		35-142	5	50
Biphenyl	72		70		54-104	3	50
4-Chloroaniline	74		70		40-140	6	50
2-Nitroaniline	96		97		47-134	1	50



Project Name: HVP-CASTLETON

Project Number: 19009EGP

Lab Number: L1926118

Parameter	LCS %Recovery	Qual	LCSD %Recovery	9 Qual	%Recovery Limits	RPD	RPD Qual Limits
Semivolatile Organics by GC/MS - Westbord	ough Lab Associ	ated sample(s):	03 Batch:	WG1249437-2	WG1249437-3		
3-Nitroaniline	86		84		26-129	2	50
4-Nitroaniline	98		97		41-125	1	50
Dibenzofuran	74		72		40-140	3	50
2-Methylnaphthalene	76		73		40-140	4	50
1,2,4,5-Tetrachlorobenzene	69		67		40-117	3	50
Acetophenone	77		73		14-144	5	50
2,4,6-Trichlorophenol	86		84		30-130	2	50
p-Chloro-m-cresol	89		87		26-103	2	50
2-Chlorophenol	83		80		25-102	4	50
2,4-Dichlorophenol	89		86		30-130	3	50
2,4-Dimethylphenol	88		86		30-130	2	50
2-Nitrophenol	104		105		30-130	1	50
4-Nitrophenol	86		87		11-114	1	50
2,4-Dinitrophenol	43		68		4-130	45	50
4,6-Dinitro-o-cresol	62		84		10-130	30	50
Pentachlorophenol	71		72		17-109	1	50
Phenol	79		76		26-90	4	50
2-Methylphenol	87		83		30-130.	5	50
3-Methylphenol/4-Methylphenol	87		83		30-130	5	50
2,4,5-Trichlorophenol	88		87		30-130	1	50
Benzoic Acid	47		59		10-110	23	50
Benzyl Alcohol	84		82		40-140	2	50
Carbazole	76		74		54-128	3	50



**Project Name: HVP-CASTLETON** 

Lab Number:

L1926118

**Project Number:** 19009EGP

Report Date:

06/18/19

Parameter	LCS %Recovery Qual		LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborou	ugh Lab Associat	ed sample(s):	03 Batch:	WG1249437-2	2 WG1249437-3			
1,4-Dioxane	57		54		40-140	5		50

Surrogate	LCS %Recovery Qua	LCSD I %Recovery Qual	Acceptance Criteria
2-Fluorophenol	87	78	25-120
Phenol-d6	86	79	10-120
Nitrobenzene-d5	106	96	23-120
2-Fluorobiphenyl	78	73	30-120
2,4,6-Tribromophenol	93	87	10-136
4-Terphenyl-d14	80	74	18-120



# INORGANICS & MISCELLANEOUS



Project Name: HVP-CASTLETON Lab Number: L1926118

Project Number: 19009EGP Report Date: 06/18/19

**SAMPLE RESULTS** 

 Lab ID:
 L1926118-03
 Date Collected:
 06/17/19 14:00

 Client ID:
 TP-3 (8-9')
 Date Received:
 06/17/19

Sample Location: 1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY 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	72.3		%	0.100	NA	1	-	06/18/19 03:27	121,2540G	YA



Lab Duplicate Analysis

Batch Quality Control

Lab Number: **Project Name: HVP-CASTLETON** L1926118

06/18/19 Project Number: 19009EGP Report Date:

Parameter	Native Sample	Duplicate Samp	ple Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab	Associated sample(s): 03 QC Batch ID:	WG1249699-1	QC Sample: I	_1926078-11	Client ID:	DUP Sample
Solids, Total	85.9	86.0	%	0		20



Project Name: HVP-CASTLETON

Project Number: 19009EGP

YES

Lab Number: L1926118
Report Date: 06/18/19

### Sample Receipt and Container Information

Were project specific reporting limits specified?

**Cooler Information** 

Cooler Custody Seal

A Absent

Container Information			Initial	Final	Temp			Frozen			
	Container ID	Container Type	Cooler	рН	рН		Pres	Seal	Date/Time	Analysis(*)	
	L1926118-01A	Glass 60mL/2oz unpreserved	Α	NA		3.6	Υ	Absent		ARCHIVE()	
	L1926118-01B	Vial Large Septa unpreserved (4oz)	Α	NA		3.6	Υ	Absent		ARCHIVE()	
	L1926118-01C	Glass 250ml/8oz unpreserved	Α	NA		3.6	Υ	Absent		ARCHIVE()	
	L1926118-02A	Glass 60mL/2oz unpreserved	Α	NA		3.6	Υ	Absent		ARCHIVE()	
	L1926118-02B	Vial Large Septa unpreserved (4oz)	Α	NA		3.6	Υ	Absent		ARCHIVE()	
	L1926118-02C	Glass 250ml/8oz unpreserved	Α	NA		3.6	Υ	Absent		ARCHIVE()	
	L1926118-03A	Glass 60mL/2oz unpreserved	Α	NA		3.6	Υ	Absent		HOLD-METAL(180)	
	L1926118-03B	Vial Large Septa unpreserved (4oz)	Α	NA		3.6	Υ	Absent		NYTCL-8260-R2(14)	
	L1926118-03C	Glass 250ml/8oz unpreserved	Α	NA		3.6	Υ	Absent		NYTCL-8270(14),TS(7),HOLD-8082()	
	L1926118-03X	Vial MeOH preserved split	Α	NA		3.6	Υ	Absent		NYTCL-8260-R2(14)	
	L1926118-03Y	Vial Water preserved split	Α	NA		3.6	Υ	Absent	18-JUN-19 03:30	NYTCL-8260-R2(14)	
	L1926118-03Z	Vial Water preserved split	Α	NA		3.6	Υ	Absent	18-JUN-19 03:30	NYTCL-8260-R2(14)	
	L1926118-04A	Glass 60mL/2oz unpreserved	Α	NA		3.6	Υ	Absent		ARCHIVE()	
	L1926118-04B	Vial Large Septa unpreserved (4oz)	Α	NA		3.6	Υ	Absent		ARCHIVE()	
	L1926118-04C	Glass 250ml/8oz unpreserved	Α	NA		3.6	Υ	Absent		ARCHIVE()	



**Project Name:** Lab Number: **HVP-CASTLETON** L1926118 **Project Number:** 19009EGP **Report Date:** 

06/18/19

#### GLOSSARY

#### Acronyms

**EDL** 

**EPA** 

LOD

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.)

- 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.

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.

Environmental Protection Agency.

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.

- 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

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

MDI - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any

adjustments from dilutions, concentrations or moisture content, where applicable.

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

using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

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

reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

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

RL- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL

includes any adjustments from dilutions, concentrations or moisture content, where applicable.

- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the RPD

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.

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

TEO - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF

and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound

list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

#### **Footnotes**

Report Format: DU Report with 'J' Qualifiers



Project Name:HVP-CASTLETONLab Number:L1926118Project Number:19009EGPReport Date:06/18/19

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

#### Terms

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

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

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

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

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

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

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

#### **Data Qualifiers**

- A Spectra identified as "Aldol Condensation Product".
- 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 concentrations of the analyte at less than ten times (10x) the 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).
- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- 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.
- The lower value for the two columns has been reported due to obvious interference.
- Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- **NJ** Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P The RPD between the results for the two columns exceeds the method-specified criteria.
- Q The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- $\boldsymbol{R}$  Analytical results are from sample re-analysis.
- **RE** Analytical results are from sample re-extraction.
- S Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers



Project Name:HVP-CASTLETONLab Number:L1926118Project Number:19009EGPReport Date:06/18/19

#### REFERENCES

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

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

#### **LIMITATION OF LIABILITIES**

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

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



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ID No.:17873

Revision 12

Page 1 of 1

Alpha Analytical, Inc. Facility: Company-wide

Department: Quality Assurance

Title: Certificate/Approval Program Summary

### Certification Information

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

Westborough Facility

EPA 624/624.1: m/p-xylene, o-xylene

EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: lodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-

Tetramethylbenzene: 4-Ethyltoluene

EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

EPA 6860: SCM: Perchlorate

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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B

EPA 332: Perchlorate; EPA 524.2: THMs and VOCs; EPA 504.1: EDB, DBCP.

Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D.

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, EPA 350.1: Ammonia-N, LACHAT 10-107-06-1-B: Ammonia-N, EPA 351.1, SM4500NO3-F, EPA 353.2: Nitrate-N, 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 II, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), EPA 600/4-81-045: PCB-Oil.

Microbiology: SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.

**Mansfield Facility:** 

**Drinking Water** 

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

EPA 522.

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

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

Pre-Qualtrax Document ID: 08-113 Document Type: Form

Дена	NEW YORK CHAIN OF CUSTODY	Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105						Date I in L	Rec'd	6	/18/	ALPHA 100# 26/18			
Westborough, MA 01581 8 Walkup Dr.	Mansfield, MA 02048 320 Forbes Blvd	Project Information										Billing Information			
TEL: 508-898-9220 FAX: 508-898-9193	20 TEL: 508-822-9300 Project Name: HVP - Costleto							ASP-	1		ASF	Same as Client Info			
FAX: 500-896-9193	FAX: 508-822-3288	Project Location: 100 6	ver Ad.	astleton-e	in-Hudsi	a.M		EQui5	(1 F	le)	EQ	IS (4 File)	PO#		
Client Information		Project # 1900 9 EO				,		Other							
Client Greyston	e Engheering		Use Project name as Project #)					Regulatory Requirement					Disposal Site I	nformation	
Address: 9 Blue		Project Manager: Sca	H Rac	xt				NY TO	GS		NY F	Please identify be	elow location of		
	ings, NY 17866	ALPHAQuote #:	139	13.1			1 🗖	AWQ S	Standa	rds	applicable disposal facilities.				
Phone: 518-37		Turn-Around Time		AL INCH	100		V	NY Re	stricted	Use	Othe	Disposal Facility:		*******	
Fax:		Standard		Due Date:	C/18/8	7 CoB				ed Use	NIS.		□ NJ	☐ NY	
	grevstene-enally	Rush (only if pre approved)		# of Days:	6/18/8 29 h	,		NYC S	ewer D	ischarg	e		Other:		
These samples have	been previously analyz	ed by Alpha	Name of the last o				ANAL						Sample Filtration		
	c requirements/comm														0
Please specify Metal	s or TAL.						0928 s	5 8270	S	Metals			☐ Lab to do Preservation ☐ Lab to do (Please Special	ž.	a   Bot
ALPHA Lab ID (Lab Use Only)	Sa	ample ID	nple ID Collection		ection Sample Sampler's Matrix Initials		8	Sec	RE	PP			Sample Specific Comments		1
26114-4	TP-2 (3	-4)	6/7/19	13:15	5:1	PK	V	1	1	1			Archi	re	3
2	TP-3(0	(77)	1	13150	1			1	/	1			Archi		3
03	TP-31	8-95		14:00				1	1	1			Hold PCE	3s+Metale	
04	TP-4/2		V	15:20	V	-		/	1				Archi	V-P	3
													111-		
											-				
											_		1		
							$\vdash$	_			_	+	+		
							H	=			_	+			
							$\vdash$				-	1	- Contraction		$\vdash$
Preservative Code: A = None B = HCI C = HNO <sub>3</sub> D = H <sub>2</sub> SO <sub>4</sub>	Container Code P = Plastic A = Amber Glass V = Vial G = Glass	Westboro: Certification No: MA935 Mansfield: Certification No: MA015				Container Type Preservative			05 05 05				Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will no		can
E = NaOH F = MeOH	M-OU C = Cubo													ny ambiguities	
G = NaHSO <sub>4</sub>	O = Other	Relinquished I	Ву:	Date/			Receiv	ed By		-		te/Time	TING 000	Y EXECUTING THE CLIENT	
H = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	E = Encore D = BOD Bottle	1		(4/17/14)	1550	Mm	21.	10	-4	_	6/17			AND AGREES	
K/E = Zn Ac/NaOH O = Other	5 - BOD Bottle	Thursy Like	=7	6/17/19	7245	1111	111	u	#	-	61619	01:15	TO BE BOU	JND BY ALPH	A'S
Form No: 01-25 HC (rev. 3	30-Sept-2013)	,				/		_(	)	$\dashv$			(See revers		