



ANALYTICAL REPORT

Lab Number:	L1926370
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:	06/20/19

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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: L1926370

Report Date: 06/20/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1926370-01	S-9	SOIL	1900 RIVER RD., CASTLETON-ON-HUDSON, NY	06/18/19 08:30	06/18/19
L1926370-02	S-10	SOIL	1900 RIVER RD., CASTLETON-ON-HUDSON, NY	06/18/19 08:50	06/18/19
L1926370-03	S-11	SOIL	1900 RIVER RD., CASTLETON-ON-HUDSON, NY	06/18/19 09:20	06/18/19
L1926370-04	TP-5 (6-7')	SOIL	1900 RIVER RD., CASTLETON-ON-HUDSON, NY	06/18/19 10:25	06/18/19
L1926370-05	TP-5 (13-14')	SOIL	1900 RIVER RD., CASTLETON-ON-HUDSON, NY	06/18/19 10:10	06/18/19
L1926370-06	B-9 (1-3')	SOIL	1900 RIVER RD., CASTLETON-ON-HUDSON, NY	06/18/19 11:25	06/18/19
L1926370-07	B-9 (6-8')	SOIL	1900 RIVER RD., CASTLETON-ON-HUDSON, NY	06/18/19 11:30	06/18/19
L1926370-08	B-10 (1-3')	SOIL	1900 RIVER RD., CASTLETON-ON-HUDSON, NY	06/18/19 11:45	06/18/19
L1926370-09	B-10 (5-7')	SOIL	1900 RIVER RD., CASTLETON-ON-HUDSON, NY	06/18/19 11:50	06/18/19
L1926370-10	TMW-1	WATER	1900 RIVER RD., CASTLETON-ON-HUDSON, NY	06/18/19 13:40	06/18/19
L1926370-11	TMW-2	WATER	1900 RIVER RD., CASTLETON-ON-HUDSON, NY	06/18/19 14:20	06/18/19
L1926370-12	TMW-3	WATER	1900 RIVER RD., CASTLETON-ON-HUDSON, NY	06/18/19 15:00	06/18/19
L1926370-13	TRIP BLANK	WATER	1900 RIVER RD., CASTLETON-ON-HUDSON, NY	06/18/19 00:00	06/18/19

Project Name: HVP-CASTLETON
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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-CASTLETON
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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.

L1926370-08: The internal standard (IS) response(s) for 1,4-dichlorobenzene-d4 (12%) and the surrogate recovery for toluene-d8 (142%) and 4-bromofluorobenzene (196%) were outside the acceptance criteria; however, re-analysis achieved similar results: 1,4-dichlorobenzene-d4 (20%) and 4-bromofluorobenzene (167%). The results of both analyses are reported; however, since the IS response was below method criteria, all associated compounds and surrogate recoveries are considered to have a potentially high bias.

L1926370-10: The sample has elevated detection limits due to the dilution required by the sample matrix (oily).

L1926370-13: The Trip Blank has a result for acetone present above the reporting limit. The sample vial was verified as being labeled correctly by the laboratory and the previous analysis showed there was no potential for carry over.

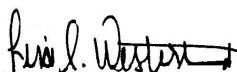
Total Metals

The WG1250267-3 MS recovery, performed on L1926370-10, is outside the acceptance criteria for antimony (140%), selenium (70%) and zinc (128%). A post digestion spike was performed and was within acceptance criteria.

The WG1250267-4 Laboratory Duplicate RPD for chromium (23%) and copper (66%), performed on L1926370-10, is outside the acceptance criteria. The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

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

Authorized Signature:

 Lisa Westerlind

Title: Technical Director/Representative

Date: 06/20/19

ORGANICS

VOLATILES

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS**

Lab ID: L1926370-01

Date Collected: 06/18/19 08:30

Client ID: S-9

Date Received: 06/18/19

Sample Location: 1900 RIVER RD., CASTLETON-ON-HUDSON, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 06/19/19 09:42

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	5.1	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	0.64		ug/kg	0.51	0.20	1
Chlorobenzene	ND		ug/kg	0.51	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.1	0.71	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.51	0.17	1
Bromodichloromethane	ND		ug/kg	0.51	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.51	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.51	0.16	1
Bromoform	ND		ug/kg	4.1	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.51	0.17	1
Benzene	ND		ug/kg	0.51	0.17	1
Toluene	ND		ug/kg	1.0	0.55	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.1	0.95	1
Bromomethane	ND		ug/kg	2.0	0.59	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1
Trichloroethene	ND		ug/kg	0.51	0.14	1

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS****Lab ID:** L1926370-01**Date Collected:** 06/18/19 08:30**Client ID:** S-9**Date Received:** 06/18/19**Sample Location:** 1900 RIVER RD., 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	2.0	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.57	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.93	1
Acetone	ND		ug/kg	10	4.9	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.1	0.66	1
n-Propylbenzene	ND		ug/kg	1.0	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.34	1
Methyl Acetate	ND		ug/kg	4.1	0.96	1
Cyclohexane	ND		ug/kg	10	0.55	1
1,4-Dioxane	ND		ug/kg	81	36.	1
Freon-113	ND		ug/kg	4.1	0.70	1
Methyl cyclohexane	ND		ug/kg	4.1	0.61	1

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS**

Lab ID: L1926370-01

Date Collected: 06/18/19 08:30

Client ID: S-9

Date Received: 06/18/19

Sample Location: 1900 RIVER RD., 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	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	101		70-130

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS**

Lab ID: L1926370-02

Date Collected: 06/18/19 08:50

Client ID: S-10

Date Received: 06/18/19

Sample Location: 1900 RIVER RD., CASTLETON-ON-HUDSON, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 06/19/19 10:08

Analyst: MKS

Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	6.0	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	ND		ug/kg	0.60	0.23	1
Chlorobenzene	ND		ug/kg	0.60	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.8	0.83	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.60	0.20	1
Bromodichloromethane	ND		ug/kg	0.60	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.60	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.60	0.19	1
Bromoform	ND		ug/kg	4.8	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.60	0.20	1
Benzene	ND		ug/kg	0.60	0.20	1
Toluene	ND		ug/kg	1.2	0.65	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.8	1.1	1
Bromomethane	ND		ug/kg	2.4	0.69	1
Vinyl chloride	ND		ug/kg	1.2	0.40	1
Chloroethane	ND		ug/kg	2.4	0.54	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1
Trichloroethene	ND		ug/kg	0.60	0.16	1

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS****Lab ID:** L1926370-02**Date Collected:** 06/18/19 08:50**Client ID:** S-10**Date Received:** 06/18/19**Sample Location:** 1900 RIVER RD., 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	2.4	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	ND		ug/kg	2.4	0.67	1
o-Xylene	ND		ug/kg	1.2	0.35	1
Xylenes, Total	ND		ug/kg	1.2	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.7	1
Carbon disulfide	ND		ug/kg	12	5.4	1
2-Butanone	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.33	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.6	1.2	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.8	0.77	1
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.38	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.40	1
Methyl Acetate	ND		ug/kg	4.8	1.1	1
Cyclohexane	ND		ug/kg	12	0.65	1
1,4-Dioxane	ND		ug/kg	95	42.	1
Freon-113	ND		ug/kg	4.8	0.82	1
Methyl cyclohexane	ND		ug/kg	4.8	0.72	1

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS**

Lab ID: L1926370-02

Date Collected: 06/18/19 08:50

Client ID: S-10

Date Received: 06/18/19

Sample Location: 1900 RIVER RD., 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	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	102		70-130

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS**

Lab ID: L1926370-03

Date Collected: 06/18/19 09:20

Client ID: S-11

Date Received: 06/18/19

Sample Location: 1900 RIVER RD., CASTLETON-ON-HUDSON, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 06/19/19 10:34

Analyst: MKS

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.7	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.1	0.26	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.30	1
Tetrachloroethene	17		ug/kg	0.57	0.22	1
Chlorobenzene	ND		ug/kg	0.57	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.5	0.79	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.29	1
1,1,1-Trichloroethane	ND		ug/kg	0.57	0.19	1
Bromodichloromethane	ND		ug/kg	0.57	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.31	1
cis-1,3-Dichloropropene	ND		ug/kg	0.57	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.57	0.18	1
Bromoform	ND		ug/kg	4.5	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.57	0.19	1
Benzene	ND		ug/kg	0.57	0.19	1
Toluene	ND		ug/kg	1.1	0.62	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.5	1.0	1
Bromomethane	ND		ug/kg	2.3	0.66	1
Vinyl chloride	ND		ug/kg	1.1	0.38	1
Chloroethane	ND		ug/kg	2.3	0.51	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.16	1
Trichloroethene	ND		ug/kg	0.57	0.16	1

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS****Lab ID:** L1926370-03**Date Collected:** 06/18/19 09:20**Client ID:** S-11**Date Received:** 06/18/19**Sample Location:** 1900 RIVER RD., 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	2.3	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.23	1
p/m-Xylene	ND		ug/kg	2.3	0.64	1
o-Xylene	ND		ug/kg	1.1	0.33	1
Xylenes, Total	ND		ug/kg	1.1	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.16	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.5	1
Carbon disulfide	ND		ug/kg	11	5.2	1
2-Butanone	ND		ug/kg	11	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.3	0.23	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.32	1
n-Butylbenzene	ND		ug/kg	1.1	0.19	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.3	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.4	1.1	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.5	0.74	1
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.36	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.31	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.3	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.3	0.38	1
Methyl Acetate	4.6		ug/kg	4.5	1.1	1
Cyclohexane	ND		ug/kg	11	0.62	1
1,4-Dioxane	ND		ug/kg	91	40.	1
Freon-113	ND		ug/kg	4.5	0.79	1
Methyl cyclohexane	ND		ug/kg	4.5	0.68	1

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS**

Lab ID: L1926370-03

Date Collected: 06/18/19 09:20

Client ID: S-11

Date Received: 06/18/19

Sample Location: 1900 RIVER RD., 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	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	114		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	103		70-130

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS**

Lab ID: L1926370-06

Date Collected: 06/18/19 11:25

Client ID: B-9 (1-3')

Date Received: 06/18/19

Sample Location: 1900 RIVER RD., CASTLETON-ON-HUDSON, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 06/19/19 11:00

Analyst: MKS

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.4	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.54	0.21	1
Chlorobenzene	ND		ug/kg	0.54	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.75	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.54	0.18	1
Bromodichloromethane	ND		ug/kg	0.54	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.54	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.54	0.17	1
Bromoform	ND		ug/kg	4.3	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.54	0.18	1
Benzene	ND		ug/kg	0.54	0.18	1
Toluene	ND		ug/kg	1.1	0.59	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	1.0	1
Bromomethane	ND		ug/kg	2.2	0.63	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.2	0.49	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1
Trichloroethene	ND		ug/kg	0.54	0.15	1

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS****Lab ID:** L1926370-06**Date Collected:** 06/18/19 11:25**Client ID:** B-9 (1-3')**Date Received:** 06/18/19**Sample Location:** 1900 RIVER RD., 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	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.61	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.99	1
Acetone	ND		ug/kg	11	5.2	1
Carbon disulfide	ND		ug/kg	11	4.9	1
2-Butanone	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.3	0.70	1
n-Propylbenzene	ND		ug/kg	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.36	1
Methyl Acetate	2.0	J	ug/kg	4.3	1.0	1
Cyclohexane	ND		ug/kg	11	0.59	1
1,4-Dioxane	ND		ug/kg	87	38.	1
Freon-113	ND		ug/kg	4.3	0.75	1
Methyl cyclohexane	ND		ug/kg	4.3	0.65	1

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS**

Lab ID: L1926370-06

Date Collected: 06/18/19 11:25

Client ID: B-9 (1-3')

Date Received: 06/18/19

Sample Location: 1900 RIVER RD., 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	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	103		70-130

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS**

Lab ID: L1926370-08
 Client ID: B-10 (1-3')
 Sample Location: 1900 RIVER RD., CASTLETON-ON-HUDSON, NY

Date Collected: 06/18/19 11:45
 Date Received: 06/18/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/19/19 11:26
 Analyst: MKS
 Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.3	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	ND		ug/kg	0.53	0.21	1
Chlorobenzene	ND		ug/kg	0.53	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.73	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.53	0.18	1
Bromodichloromethane	ND		ug/kg	0.53	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.53	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.53	0.17	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.53	0.18	1
Benzene	ND		ug/kg	0.53	0.18	1
Toluene	ND		ug/kg	1.0	0.57	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.98	1
Bromomethane	ND		ug/kg	2.1	0.61	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1
Trichloroethene	ND		ug/kg	0.53	0.14	1

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS****Lab ID:** L1926370-08**Date Collected:** 06/18/19 11:45**Client ID:** B-10 (1-3')**Date Received:** 06/18/19**Sample Location:** 1900 RIVER RD., 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	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.59	1
o-Xylene	ND		ug/kg	1.0	0.31	1
Xylenes, Total	ND		ug/kg	1.0	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Styrene	ND		ug/kg	1.0	0.21	1
Dichlorodifluoromethane	ND		ug/kg	10	0.97	1
Acetone	ND		ug/kg	10	5.1	1
Carbon disulfide	ND		ug/kg	10	4.8	1
2-Butanone	ND		ug/kg	10	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.4	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.30	1
n-Butylbenzene	ND		ug/kg	1.0	0.18	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.0	1
Isopropylbenzene	ND		ug/kg	1.0	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.12	1
Naphthalene	ND		ug/kg	4.2	0.69	1
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.35	1
Methyl Acetate	1.3	J	ug/kg	4.2	1.0	1
Cyclohexane	ND		ug/kg	10	0.58	1
1,4-Dioxane	ND		ug/kg	84	37.	1
Freon-113	ND		ug/kg	4.2	0.73	1
Methyl cyclohexane	ND		ug/kg	4.2	0.64	1

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS**

Lab ID: L1926370-08

Date Collected: 06/18/19 11:45

Client ID: B-10 (1-3')

Date Received: 06/18/19

Sample Location: 1900 RIVER RD., 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	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	129		70-130
Toluene-d8	142	Q	70-130
4-Bromofluorobenzene	196	Q	70-130
Dibromofluoromethane	116		70-130

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS**

Lab ID: L1926370-08 R
 Client ID: B-10 (1-3')
 Sample Location: 1900 RIVER RD., CASTLETON-ON-HUDSON, NY

Date Collected: 06/18/19 11:45
 Date Received: 06/18/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/19/19 12:18
 Analyst: MKS
 Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.6	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.1	0.26	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.30	1
Tetrachloroethene	ND		ug/kg	0.56	0.22	1
Chlorobenzene	ND		ug/kg	0.56	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.77	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.56	0.18	1
Bromodichloromethane	ND		ug/kg	0.56	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.56	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.56	0.18	1
Bromoform	ND		ug/kg	4.4	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.56	0.18	1
Benzene	ND		ug/kg	0.56	0.18	1
Toluene	ND		ug/kg	1.1	0.60	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.4	1.0	1
Bromomethane	ND		ug/kg	2.2	0.65	1
Vinyl chloride	ND		ug/kg	1.1	0.37	1
Chloroethane	ND		ug/kg	2.2	0.50	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.15	1
Trichloroethene	ND		ug/kg	0.56	0.15	1

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS**

Lab ID: L1926370-08 R

Date Collected: 06/18/19 11:45

Client ID: B-10 (1-3')

Date Received: 06/18/19

Sample Location: 1900 RIVER RD., 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	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.62	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.4	1
Carbon disulfide	ND		ug/kg	11	5.1	1
2-Butanone	ND		ug/kg	11	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.23	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.31	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.4	0.72	1
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.36	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.37	1
Methyl Acetate	ND		ug/kg	4.4	1.0	1
Cyclohexane	ND		ug/kg	11	0.60	1
1,4-Dioxane	ND		ug/kg	89	39.	1
Freon-113	ND		ug/kg	4.4	0.77	1
Methyl cyclohexane	ND		ug/kg	4.4	0.67	1

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS**

Lab ID: L1926370-08 R

Date Collected: 06/18/19 11:45

Client ID: B-10 (1-3')

Date Received: 06/18/19

Sample Location: 1900 RIVER RD., 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	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	130		70-130
4-Bromofluorobenzene	167	Q	70-130
Dibromofluoromethane	108		70-130

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS**

Lab ID: L1926370-10 D
 Client ID: TMW-1
 Sample Location: 1900 RIVER RD., CASTLETON-ON-HUDSON, NY

Date Collected: 06/18/19 13:40
 Date Received: 06/18/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 06/19/19 10:36

Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	6.2	1.8	2.5
1,1-Dichloroethane	ND		ug/l	6.2	1.8	2.5
Chloroform	ND		ug/l	6.2	1.8	2.5
Carbon tetrachloride	ND		ug/l	1.2	0.34	2.5
1,2-Dichloropropane	ND		ug/l	2.5	0.34	2.5
Dibromochloromethane	ND		ug/l	1.2	0.37	2.5
1,1,2-Trichloroethane	ND		ug/l	3.8	1.2	2.5
Tetrachloroethene	ND		ug/l	1.2	0.45	2.5
Chlorobenzene	ND		ug/l	6.2	1.8	2.5
Trichlorofluoromethane	ND		ug/l	6.2	1.8	2.5
1,2-Dichloroethane	ND		ug/l	1.2	0.33	2.5
1,1,1-Trichloroethane	ND		ug/l	6.2	1.8	2.5
Bromodichloromethane	ND		ug/l	1.2	0.48	2.5
trans-1,3-Dichloropropene	ND		ug/l	1.2	0.41	2.5
cis-1,3-Dichloropropene	ND		ug/l	1.2	0.36	2.5
1,3-Dichloropropene, Total	ND		ug/l	1.2	0.36	2.5
Bromoform	ND		ug/l	5.0	1.6	2.5
1,1,2,2-Tetrachloroethane	ND		ug/l	1.2	0.42	2.5
Benzene	1.8		ug/l	1.2	0.40	2.5
Toluene	1.8	J	ug/l	6.2	1.8	2.5
Ethylbenzene	8.3		ug/l	6.2	1.8	2.5
Chloromethane	ND		ug/l	6.2	1.8	2.5
Bromomethane	ND		ug/l	6.2	1.8	2.5
Vinyl chloride	ND		ug/l	2.5	0.18	2.5
Chloroethane	ND		ug/l	6.2	1.8	2.5
1,1-Dichloroethene	ND		ug/l	1.2	0.42	2.5
trans-1,2-Dichloroethene	ND		ug/l	6.2	1.8	2.5
Trichloroethene	ND		ug/l	1.2	0.44	2.5

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS**

Lab ID: L1926370-10 D

Date Collected: 06/18/19 13:40

Client ID: TMW-1

Date Received: 06/18/19

Sample Location: 1900 RIVER RD., 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/l	6.2	1.8	2.5
1,3-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,4-Dichlorobenzene	ND		ug/l	6.2	1.8	2.5
Methyl tert butyl ether	ND		ug/l	6.2	1.8	2.5
p/m-Xylene	7.8		ug/l	6.2	1.8	2.5
o-Xylene	ND		ug/l	6.2	1.8	2.5
Xylenes, Total	7.8		ug/l	6.2	1.8	2.5
cis-1,2-Dichloroethene	ND		ug/l	6.2	1.8	2.5
1,2-Dichloroethene, Total	ND		ug/l	6.2	1.8	2.5
Styrene	ND		ug/l	6.2	1.8	2.5
Dichlorodifluoromethane	ND		ug/l	12	2.5	2.5
Acetone	ND		ug/l	12	3.6	2.5
Carbon disulfide	ND		ug/l	12	2.5	2.5
2-Butanone	ND		ug/l	12	4.8	2.5
4-Methyl-2-pentanone	ND		ug/l	12	2.5	2.5
2-Hexanone	ND		ug/l	12	2.5	2.5
Bromochloromethane	ND		ug/l	6.2	1.8	2.5
1,2-Dibromoethane	ND		ug/l	5.0	1.6	2.5
n-Butylbenzene	3.6	J	ug/l	6.2	1.8	2.5
sec-Butylbenzene	6.8		ug/l	6.2	1.8	2.5
tert-Butylbenzene	1.9	J	ug/l	6.2	1.8	2.5
1,2-Dibromo-3-chloropropane	ND		ug/l	6.2	1.8	2.5
Isopropylbenzene	15		ug/l	6.2	1.8	2.5
p-Isopropyltoluene	ND		ug/l	6.2	1.8	2.5
Naphthalene	ND		ug/l	6.2	1.8	2.5
n-Propylbenzene	38		ug/l	6.2	1.8	2.5
1,2,3-Trichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,2,4-Trichlorobenzene	ND		ug/l	6.2	1.8	2.5
1,3,5-Trimethylbenzene	ND		ug/l	6.2	1.8	2.5
1,2,4-Trimethylbenzene	ND		ug/l	6.2	1.8	2.5
Methyl Acetate	ND		ug/l	5.0	0.58	2.5
Cyclohexane	23	J	ug/l	25	0.68	2.5
1,4-Dioxane	ND		ug/l	620	150	2.5
Freon-113	ND		ug/l	6.2	1.8	2.5
Methyl cyclohexane	14	J	ug/l	25	0.99	2.5

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS**

Lab ID: L1926370-10 D

Date Collected: 06/18/19 13:40

Client ID: TMW-1

Date Received: 06/18/19

Sample Location: 1900 RIVER RD., 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	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	97		70-130

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS**

Lab ID: L1926370-11

Date Collected: 06/18/19 14:20

Client ID: TMW-2

Date Received: 06/18/19

Sample Location: 1900 RIVER RD., CASTLETON-ON-HUDSON, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 06/19/19 10:08

Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.53		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS****Lab ID:** L1926370-11**Date Collected:** 06/18/19 14:20**Client ID:** TMW-2**Date Received:** 06/18/19**Sample Location:** 1900 RIVER RD., 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/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.7	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS**

Lab ID: L1926370-11

Date Collected: 06/18/19 14:20

Client ID: TMW-2

Date Received: 06/18/19

Sample Location: 1900 RIVER RD., 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	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	99		70-130

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS**

Lab ID: L1926370-12

Date Collected: 06/18/19 15:00

Client ID: TMW-3

Date Received: 06/18/19

Sample Location: 1900 RIVER RD., CASTLETON-ON-HUDSON, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 06/19/19 09:40

Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.75		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS****Lab ID:** L1926370-12**Date Collected:** 06/18/19 15:00**Client ID:** TMW-3**Date Received:** 06/18/19**Sample Location:** 1900 RIVER RD., 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/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	21		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	1.2	J	ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	2.1	J	ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS**

Lab ID: L1926370-12

Date Collected: 06/18/19 15:00

Client ID: TMW-3

Date Received: 06/18/19

Sample Location: 1900 RIVER RD., 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	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	103		70-130

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS**

Lab ID: L1926370-13
 Client ID: TRIP BLANK
 Sample Location: 1900 RIVER RD., CASTLETON-ON-HUDSON, NY

Date Collected: 06/18/19 00:00
 Date Received: 06/18/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water

Analytical Method: 1,8260C

Analytical Date: 06/19/19 09:12

Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS****Lab ID:** L1926370-13**Date Collected:** 06/18/19 00:00**Client ID:** TRIP BLANK**Date Received:** 06/18/19**Sample Location:** 1900 RIVER RD., 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/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	7.5		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS**

Lab ID: L1926370-13

Date Collected: 06/18/19 00:00

Client ID: TRIP BLANK

Date Received: 06/18/19

Sample Location: 1900 RIVER RD., 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	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	103		70-130

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926370
Report Date: 06/20/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/19/19 08:50
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03,06,08 Batch: WG1250373-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926370
Report Date: 06/20/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/19/19 08:50
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03,06,08 Batch: WG1250373-5					
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	0.21	J	ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926370
Report Date: 06/20/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/19/19 08:50
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-03,06,08 Batch: WG1250373-5					
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	97		70-130

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926370
Report Date: 06/20/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/19/19 08:24
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 10-13 Batch: WG1250404-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926370
Report Date: 06/20/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/19/19 08:24
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 10-13 Batch: WG1250404-5					
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926370
Report Date: 06/20/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/19/19 08:24
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 10-13 Batch: WG1250404-5					
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	107		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: HVP-CASTLETON

Lab Number: L1926370

Project Number: 19009EGP

Report Date: 06/20/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03,06,08 Batch: WG1250373-3 WG1250373-4								
Methylene chloride	94		100		70-130	6		30
1,1-Dichloroethane	105		110		70-130	5		30
Chloroform	108		110		70-130	2		30
Carbon tetrachloride	116		116		70-130	0		30
1,2-Dichloropropane	101		107		70-130	6		30
Dibromochloromethane	106		108		70-130	2		30
1,1,2-Trichloroethane	108		109		70-130	1		30
Tetrachloroethene	115		112		70-130	3		30
Chlorobenzene	108		106		70-130	2		30
Trichlorofluoromethane	103		117		70-139	13		30
1,2-Dichloroethane	106		109		70-130	3		30
1,1,1-Trichloroethane	113		112		70-130	1		30
Bromodichloromethane	101		109		70-130	8		30
trans-1,3-Dichloropropene	107		108		70-130	1		30
cis-1,3-Dichloropropene	104		108		70-130	4		30
Bromoform	103		106		70-130	3		30
1,1,2,2-Tetrachloroethane	106		107		70-130	1		30
Benzene	108		108		70-130	0		30
Toluene	110		109		70-130	1		30
Ethylbenzene	111		110		70-130	1		30
Chloromethane	98		111		52-130	12		30
Bromomethane	116		116		57-147	0		30
Vinyl chloride	118		118		67-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: HVP-CASTLETON

Project Number: 19009EGP

Lab Number: L1926370

Report Date: 06/20/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03,06,08 Batch: WG1250373-3 WG1250373-4								
Chloroethane	124		125		50-151	1		30
1,1-Dichloroethene	107		112		65-135	5		30
trans-1,2-Dichloroethene	104		111		70-130	7		30
Trichloroethene	105		109		70-130	4		30
1,2-Dichlorobenzene	108		108		70-130	0		30
1,3-Dichlorobenzene	110		109		70-130	1		30
1,4-Dichlorobenzene	107		106		70-130	1		30
Methyl tert butyl ether	101		107		66-130	6		30
p/m-Xylene	112		112		70-130	0		30
o-Xylene	113		111		70-130	2		30
cis-1,2-Dichloroethene	101		109		70-130	8		30
Styrene	116		114		70-130	2		30
Dichlorodifluoromethane	120		124		30-146	3		30
Acetone	102		106		54-140	4		30
Carbon disulfide	102		105		59-130	3		30
2-Butanone	107		110		70-130	3		30
4-Methyl-2-pentanone	104		104		70-130	0		30
2-Hexanone	108		107		70-130	1		30
Bromochloromethane	110		111		70-130	1		30
1,2-Dibromoethane	106		108		70-130	2		30
n-Butylbenzene	116		116		70-130	0		30
sec-Butylbenzene	114		114		70-130	0		30
tert-Butylbenzene	111		112		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: HVP-CASTLETON

Lab Number: L1926370

Project Number: 19009EGP

Report Date: 06/20/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-03,06,08 Batch: WG1250373-3 WG1250373-4								
1,2-Dibromo-3-chloropropane	107		106		68-130	1		30
Isopropylbenzene	111		112		70-130	1		30
p-Isopropyltoluene	114		113		70-130	1		30
Naphthalene	105		106		70-130	1		30
n-Propylbenzene	112		111		70-130	1		30
1,2,3-Trichlorobenzene	109		108		70-130	1		30
1,2,4-Trichlorobenzene	104		105		70-130	1		30
1,3,5-Trimethylbenzene	110		110		70-130	0		30
1,2,4-Trimethylbenzene	111		112		70-130	1		30
Methyl Acetate	99		104		51-146	5		30
Cyclohexane	115		115		59-142	0		30
1,4-Dioxane	114		118		65-136	3		30
Freon-113	114		120		50-139	5		30
Methyl cyclohexane	109		113		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		101		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	96		98		70-130
Dibromofluoromethane	99		100		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: HVP-CASTLETON

Project Number: 19009EGP

Lab Number: L1926370

Report Date: 06/20/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10-13 Batch: WG1250404-3 WG1250404-4								
Methylene chloride	100		110		70-130	10		20
1,1-Dichloroethane	110		100		70-130	10		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	100		110		70-130	10		20
Dibromochloromethane	98		100		63-130	2		20
1,1,2-Trichloroethane	96		100		70-130	4		20
Tetrachloroethene	98		98		70-130	0		20
Chlorobenzene	97		100		75-130	3		20
Trichlorofluoromethane	98		97		62-150	1		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	99		100		67-130	1		20
trans-1,3-Dichloropropene	98		100		70-130	2		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
Bromoform	91		98		54-136	7		20
1,1,2,2-Tetrachloroethane	94		96		67-130	2		20
Benzene	110		110		70-130	0		20
Toluene	96		100		70-130	4		20
Ethylbenzene	96		99		70-130	3		20
Chloromethane	91		92		64-130	1		20
Bromomethane	110		99		39-139	11		20
Vinyl chloride	95		93		55-140	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: HVP-CASTLETON

Project Number: 19009EGP

Lab Number: L1926370

Report Date: 06/20/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10-13 Batch: WG1250404-3 WG1250404-4								
Chloroethane	99		94		55-138	5		20
1,1-Dichloroethene	100		100		61-145	0		20
trans-1,2-Dichloroethene	110		110		70-130	0		20
Trichloroethene	100		110		70-130	10		20
1,2-Dichlorobenzene	93		99		70-130	6		20
1,3-Dichlorobenzene	96		100		70-130	4		20
1,4-Dichlorobenzene	94		97		70-130	3		20
Methyl tert butyl ether	110		110		63-130	0		20
p/m-Xylene	95		100		70-130	5		20
o-Xylene	95		100		70-130	5		20
cis-1,2-Dichloroethene	110		110		70-130	0		20
Styrene	95		100		70-130	5		20
Dichlorodifluoromethane	93		94		36-147	1		20
Acetone	130		120		58-148	8		20
Carbon disulfide	100		100		51-130	0		20
2-Butanone	110		120		63-138	9		20
4-Methyl-2-pentanone	93		100		59-130	7		20
2-Hexanone	95		98		57-130	3		20
Bromochloromethane	110		110		70-130	0		20
1,2-Dibromoethane	96		100		70-130	4		20
n-Butylbenzene	93		96		53-136	3		20
sec-Butylbenzene	84		87		70-130	4		20
tert-Butylbenzene	94		97		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: HVP-CASTLETON

Project Number: 19009EGP

Lab Number: L1926370

Report Date: 06/20/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10-13 Batch: WG1250404-3 WG1250404-4								
1,2-Dibromo-3-chloropropane	89		96		41-144	8		20
Isopropylbenzene	97		100		70-130	3		20
p-Isopropyltoluene	96		99		70-130	3		20
Naphthalene	88		96		70-130	9		20
n-Propylbenzene	94		96		69-130	2		20
1,2,3-Trichlorobenzene	91		95		70-130	4		20
1,2,4-Trichlorobenzene	95		97		70-130	2		20
1,3,5-Trimethylbenzene	96		99		64-130	3		20
1,2,4-Trimethylbenzene	96		100		70-130	4		20
Methyl Acetate	110		110		70-130	0		20
Cyclohexane	95		98		70-130	3		20
1,4-Dioxane	162		152		56-162	6		20
Freon-113	100		98		70-130	2		20
Methyl cyclohexane	89		93		70-130	4		20

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

SEMIVOLATILES

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS**

Lab ID: L1926370-01

Date Collected: 06/18/19 08:30

Client ID: S-9

Date Received: 06/18/19

Sample Location: 1900 RIVER RD., CASTLETON-ON-HUDSON, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270D

Extraction Date: 06/19/19 06:45

Analytical Date: 06/19/19 15:04

Analyst: EK

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	35.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	39.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	380		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	49	J	ug/kg	190	24.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	67.	1
Butyl benzyl phthalate	ND		ug/kg	190	49.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	66.	1

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS**

Lab ID: L1926370-01

Date Collected: 06/18/19 08:30

Client ID: S-9

Date Received: 06/18/19

Sample Location: 1900 RIVER RD., CASTLETON-ON-HUDSON, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	190		ug/kg	120	22.	1
Benzo(a)pyrene	190		ug/kg	150	47.	1
Benzo(b)fluoranthene	290		ug/kg	120	32.	1
Benzo(k)fluoranthene	100	J	ug/kg	120	31.	1
Chrysene	220		ug/kg	120	20.	1
Acenaphthylene	34	J	ug/kg	150	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	140	J	ug/kg	150	23.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	130		ug/kg	120	23.	1
Dibenzo(a,h)anthracene	32	J	ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	140	J	ug/kg	150	27.	1
Pyrene	300		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	45.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	76	J	ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	72.	1
4-Nitrophenol	ND		ug/kg	270	79.	1
2,4-Dinitrophenol	ND		ug/kg	930	90.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	93.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS****Lab ID:** L1926370-01**Date Collected:** 06/18/19 08:30**Client ID:** S-9**Date Received:** 06/18/19**Sample Location:** 1900 RIVER RD., CASTLETON-ON-HUDSON, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	620	200	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	ND		ug/kg	190	19.	1
1,4-Dioxane	ND		ug/kg	29	8.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	110		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	94		10-136
4-Terphenyl-d14	77		18-120

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS**

Lab ID: L1926370-02

Date Collected: 06/18/19 08:50

Client ID: S-10

Date Received: 06/18/19

Sample Location: 1900 RIVER RD., CASTLETON-ON-HUDSON, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8270D

Extraction Date: 06/19/19 06:45

Analytical Date: 06/19/19 15:30

Analyst: EK

Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	24.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	28.	1
2-Chloronaphthalene	ND		ug/kg	210	20.	1
1,2-Dichlorobenzene	ND		ug/kg	210	37.	1
1,3-Dichlorobenzene	ND		ug/kg	210	35.	1
1,4-Dichlorobenzene	ND		ug/kg	210	36.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	55.	1
2,4-Dinitrotoluene	ND		ug/kg	210	41.	1
2,6-Dinitrotoluene	ND		ug/kg	210	35.	1
Fluoranthene	620		ug/kg	120	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	35.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	21.	1
Hexachlorobutadiene	ND		ug/kg	210	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	590	190	1
Hexachloroethane	ND		ug/kg	160	33.	1
Isophorone	ND		ug/kg	180	27.	1
Naphthalene	87	J	ug/kg	210	25.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	32.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	71.	1
Butyl benzyl phthalate	ND		ug/kg	210	52.	1
Di-n-butylphthalate	ND		ug/kg	210	39.	1
Di-n-octylphthalate	ND		ug/kg	210	70.	1

Project Name: HVP-CASTLETON

Lab Number: L1926370

Project Number: 19009EGP

Report Date: 06/20/19

SAMPLE RESULTS

Lab ID: L1926370-02

Date Collected: 06/18/19 08:50

Client ID: S-10

Date Received: 06/18/19

Sample Location: 1900 RIVER RD., CASTLETON-ON-HUDSON, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	210	19.	1
Dimethyl phthalate	ND		ug/kg	210	43.	1
Benzo(a)anthracene	290		ug/kg	120	23.	1
Benzo(a)pyrene	340		ug/kg	160	50.	1
Benzo(b)fluoranthene	530		ug/kg	120	35.	1
Benzo(k)fluoranthene	160		ug/kg	120	33.	1
Chrysene	350		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	32.	1
Anthracene	66	J	ug/kg	120	40.	1
Benzo(ghi)perylene	240		ug/kg	160	24.	1
Fluorene	32	J	ug/kg	210	20.	1
Phenanthrene	330		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	61	J	ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	280		ug/kg	160	29.	1
Pyrene	560		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	470	48.	1
4-Chloroaniline	ND		ug/kg	210	38.	1
2-Nitroaniline	ND		ug/kg	210	40.	1
3-Nitroaniline	ND		ug/kg	210	39.	1
4-Nitroaniline	ND		ug/kg	210	85.	1
Dibenzofuran	ND		ug/kg	210	20.	1
2-Methylnaphthalene	88	J	ug/kg	250	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
p-Chloro-m-cresol	ND		ug/kg	210	31.	1
2-Chlorophenol	ND		ug/kg	210	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	33.	1
2,4-Dimethylphenol	ND		ug/kg	210	68.	1
2-Nitrophenol	ND		ug/kg	440	78.	1
4-Nitrophenol	ND		ug/kg	290	84.	1
2,4-Dinitrophenol	ND		ug/kg	990	96.	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	99.	1
Pentachlorophenol	ND		ug/kg	160	45.	1
Phenol	ND		ug/kg	210	31.	1
2-Methylphenol	ND		ug/kg	210	32.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	32.	1

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS**

Lab ID: L1926370-02

Date Collected: 06/18/19 08:50

Client ID: S-10

Date Received: 06/18/19

Sample Location: 1900 RIVER RD., CASTLETON-ON-HUDSON, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	210	40.	1
Benzoic Acid	ND		ug/kg	670	210	1
Benzyl Alcohol	ND		ug/kg	210	63.	1
Carbazole	40	J	ug/kg	210	20.	1
1,4-Dioxane	ND		ug/kg	31	9.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	128	Q	23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	134		10-136
4-Terphenyl-d14	100		18-120

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS**

Lab ID: L1926370-03
 Client ID: S-11
 Sample Location: 1900 RIVER RD., CASTLETON-ON-HUDSON, NY

Date Collected: 06/18/19 09:20
 Date Received: 06/18/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 06/19/19 15:56
 Analyst: EK
 Percent Solids: 84%

Extraction Method: EPA 3546
 Extraction Date: 06/19/19 06:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	60	J	ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	1800		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	190		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	65.	1

Project Name: HVP-CASTLETON

Lab Number: L1926370

Project Number: 19009EGP

Report Date: 06/20/19

SAMPLE RESULTS

Lab ID: L1926370-03

Date Collected: 06/18/19 09:20

Client ID: S-11

Date Received: 06/18/19

Sample Location: 1900 RIVER RD., CASTLETON-ON-HUDSON, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	1100		ug/kg	110	22.	1
Benzo(a)pyrene	1000		ug/kg	150	47.	1
Benzo(b)fluoranthene	1600		ug/kg	110	32.	1
Benzo(k)fluoranthene	490		ug/kg	110	31.	1
Chrysene	1200		ug/kg	110	20.	1
Acenaphthylene	280		ug/kg	150	30.	1
Anthracene	260		ug/kg	110	37.	1
Benzo(ghi)perylene	620		ug/kg	150	22.	1
Fluorene	65	J	ug/kg	190	19.	1
Phenanthrene	760		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	190		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	700		ug/kg	150	27.	1
Pyrene	1700		ug/kg	110	19.	1
Biphenyl	44	J	ug/kg	440	44.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	79.	1
Dibenzofuran	71	J	ug/kg	190	18.	1
2-Methylnaphthalene	210	J	ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	76	J	ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	410	72.	1
4-Nitrophenol	ND		ug/kg	270	78.	1
2,4-Dinitrophenol	ND		ug/kg	920	89.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS****Lab ID:** L1926370-03**Date Collected:** 06/18/19 09:20**Client ID:** S-11**Date Received:** 06/18/19**Sample Location:** 1900 RIVER RD., CASTLETON-ON-HUDSON, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	94	J	ug/kg	190	19.	1
1,4-Dioxane	ND		ug/kg	29	8.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		25-120
Phenol-d6	56		10-120
Nitrobenzene-d5	103		23-120
2-Fluorobiphenyl	103		30-120
2,4,6-Tribromophenol	85		10-136
4-Terphenyl-d14	79		18-120

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS**

Lab ID: L1926370-06
 Client ID: B-9 (1-3')
 Sample Location: 1900 RIVER RD., CASTLETON-ON-HUDSON, NY

Date Collected: 06/18/19 11:25
 Date Received: 06/18/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 06/19/19 16:21
 Analyst: EK
 Percent Solids: 90%

Extraction Method: EPA 3546
 Extraction Date: 06/19/19 06:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	38	J	ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	760		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	24	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: HVP-CASTLETON

Lab Number: L1926370

Project Number: 19009EGP

Report Date: 06/20/19

SAMPLE RESULTS

Lab ID: L1926370-06

Date Collected: 06/18/19 11:25

Client ID: B-9 (1-3')

Date Received: 06/18/19

Sample Location: 1900 RIVER RD., CASTLETON-ON-HUDSON, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	340		ug/kg	110	21.	1
Benzo(a)pyrene	330		ug/kg	150	45.	1
Benzo(b)fluoranthene	450		ug/kg	110	31.	1
Benzo(k)fluoranthene	140		ug/kg	110	29.	1
Chrysene	330		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	100	J	ug/kg	110	36.	1
Benzo(ghi)perylene	230		ug/kg	150	22.	1
Fluorene	36	J	ug/kg	180	18.	1
Phenanthrene	540		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	56	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	240		ug/kg	150	26.	1
Pyrene	640		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	24	J	ug/kg	180	17.	1
2-Methylnaphthalene	28	J	ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS****Lab ID:** L1926370-06**Date Collected:** 06/18/19 11:25**Client ID:** B-9 (1-3')**Date Received:** 06/18/19**Sample Location:** 1900 RIVER RD., CASTLETON-ON-HUDSON, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	600	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	46	J	ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	109		23-120
2-Fluorobiphenyl	58		30-120
2,4,6-Tribromophenol	128		10-136
4-Terphenyl-d14	84		18-120

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS**

Lab ID: L1926370-08
 Client ID: B-10 (1-3')
 Sample Location: 1900 RIVER RD., CASTLETON-ON-HUDSON, NY

Date Collected: 06/18/19 11:45
 Date Received: 06/18/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 06/19/19 16:47
 Analyst: EK
 Percent Solids: 90%

Extraction Method: EPA 3546
 Extraction Date: 06/19/19 06:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	29	J	ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS****Lab ID:** L1926370-08**Date Collected:** 06/18/19 11:45**Client ID:** B-10 (1-3')**Date Received:** 06/18/19**Sample Location:** 1900 RIVER RD., CASTLETON-ON-HUDSON, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	27	J	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	75.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	870	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	87.	1
Pentachlorophenol	ND		ug/kg	140	40.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS**

Lab ID: L1926370-08

Date Collected: 06/18/19 11:45

Client ID: B-10 (1-3')

Date Received: 06/18/19

Sample Location: 1900 RIVER RD., CASTLETON-ON-HUDSON, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	124	Q	23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	134		10-136
4-Terphenyl-d14	93		18-120

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS**

Lab ID: L1926370-10

Date Collected: 06/18/19 13:40

Client ID: TMW-1

Date Received: 06/18/19

Sample Location: 1900 RIVER RD., CASTLETON-ON-HUDSON, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8270D

Extraction Date: 06/19/19 03:55

Analytical Date: 06/19/19 14:21

Analyst: JG

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	2.6	J	ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS****Lab ID:** L1926370-10**Date Collected:** 06/18/19 13:40**Client ID:** TMW-1**Date Received:** 06/18/19**Sample Location:** 1900 RIVER RD., CASTLETON-ON-HUDSON, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		21-120
Phenol-d6	53		10-120
Nitrobenzene-d5	112		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	59		10-120
4-Terphenyl-d14	70		41-149

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS**

Lab ID: L1926370-10

Date Collected: 06/18/19 13:40

Client ID: TMW-1

Date Received: 06/18/19

Sample Location: 1900 RIVER RD., CASTLETON-ON-HUDSON, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8270D-SIM

Extraction Date: 06/19/19 04:01

Analytical Date: 06/19/19 14:18

Analyst: DV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.31		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.23		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.71		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.12		ug/l	0.10	0.02	1
Benzo(a)pyrene	0.12		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.15		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.06	J	ug/l	0.10	0.01	1
Chrysene	0.12		ug/l	0.10	0.01	1
Acenaphthylene	0.48		ug/l	0.10	0.01	1
Anthracene	0.05	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.11		ug/l	0.10	0.01	1
Fluorene	0.78		ug/l	0.10	0.01	1
Phenanthrene	0.36		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	0.02	J	ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.11		ug/l	0.10	0.01	1
Pyrene	0.25		ug/l	0.10	0.02	1
2-Methylnaphthalene	1.6		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS**

Lab ID: L1926370-10

Date Collected: 06/18/19 13:40

Client ID: TMW-1

Date Received: 06/18/19

Sample Location: 1900 RIVER RD., CASTLETON-ON-HUDSON, NY

Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		21-120
Phenol-d6	39		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	82		15-120
2,4,6-Tribromophenol	85		10-120
4-Terphenyl-d14	79		41-149

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS**

Lab ID: L1926370-11

Date Collected: 06/18/19 14:20

Client ID: TMW-2

Date Received: 06/18/19

Sample Location: 1900 RIVER RD., CASTLETON-ON-HUDSON, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8270D

Extraction Date: 06/19/19 03:55

Analytical Date: 06/19/19 14:49

Analyst: JG

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	1.9	J	ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS****Lab ID:** L1926370-11**Date Collected:** 06/18/19 14:20**Client ID:** TMW-2**Date Received:** 06/18/19**Sample Location:** 1900 RIVER RD., CASTLETON-ON-HUDSON, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		21-120
Phenol-d6	57		10-120
Nitrobenzene-d5	96		23-120
2-Fluorobiphenyl	82		15-120
2,4,6-Tribromophenol	69		10-120
4-Terphenyl-d14	87		41-149

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS****Lab ID:** L1926370-11**Date Collected:** 06/18/19 14:20**Client ID:** TMW-2**Date Received:** 06/18/19**Sample Location:** 1900 RIVER RD., CASTLETON-ON-HUDSON, NY**Field Prep:** Not Specified**Sample Depth:****Matrix:** Water**Extraction Method:** EPA 3510C**Analytical Method:** 1,8270D-SIM**Extraction Date:** 06/19/19 04:01**Analytical Date:** 06/19/19 14:35**Analyst:** DV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.03	J	ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.30		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.09	J	ug/l	0.10	0.05	1
Benzo(a)anthracene	0.19		ug/l	0.10	0.02	1
Benzo(a)pyrene	0.26		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.37		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.12		ug/l	0.10	0.01	1
Chrysene	0.18		ug/l	0.10	0.01	1
Acenaphthylene	0.04	J	ug/l	0.10	0.01	1
Anthracene	0.06	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.22		ug/l	0.10	0.01	1
Fluorene	0.03	J	ug/l	0.10	0.01	1
Phenanthrene	0.13		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	0.06	J	ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.25		ug/l	0.10	0.01	1
Pyrene	0.30		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.03	J	ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS**

Lab ID: L1926370-11

Date Collected: 06/18/19 14:20

Client ID: TMW-2

Date Received: 06/18/19

Sample Location: 1900 RIVER RD., CASTLETON-ON-HUDSON, NY

Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		21-120
Phenol-d6	43		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	94		15-120
2,4,6-Tribromophenol	98		10-120
4-Terphenyl-d14	93		41-149

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS**

Lab ID: L1926370-12

Date Collected: 06/18/19 15:00

Client ID: TMW-3

Date Received: 06/18/19

Sample Location: 1900 RIVER RD., CASTLETON-ON-HUDSON, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8270D

Extraction Date: 06/19/19 03:55

Analytical Date: 06/19/19 15:17

Analyst: JG

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	2.6	J	ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	1.8	J	ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS****Lab ID:** L1926370-12**Date Collected:** 06/18/19 15:00**Client ID:** TMW-3**Date Received:** 06/18/19**Sample Location:** 1900 RIVER RD., CASTLETON-ON-HUDSON, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		21-120
Phenol-d6	64		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	70		10-120
4-Terphenyl-d14	84		41-149

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS**

Lab ID: L1926370-12

Date Collected: 06/18/19 15:00

Client ID: TMW-3

Date Received: 06/18/19

Sample Location: 1900 RIVER RD., CASTLETON-ON-HUDSON, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 3510C

Analytical Method: 1,8270D-SIM

Extraction Date: 06/19/19 04:01

Analytical Date: 06/19/19 14:51

Analyst: DV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.13		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.06	J	ug/l	0.10	0.05	1
Benzo(a)anthracene	0.08	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	0.07	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.09	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.03	J	ug/l	0.10	0.01	1
Chrysene	0.06	J	ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	0.03	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.05	J	ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	0.11		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	0.01	J	ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.05	J	ug/l	0.10	0.01	1
Pyrene	0.12		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.07	J	ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS**

Lab ID: L1926370-12

Date Collected: 06/18/19 15:00

Client ID: TMW-3

Date Received: 06/18/19

Sample Location: 1900 RIVER RD., CASTLETON-ON-HUDSON, NY

Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	88		15-120
2,4,6-Tribromophenol	99		10-120
4-Terphenyl-d14	91		41-149

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926370
Report Date: 06/20/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/19/19 12:57
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 06/19/19 03:55

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 10-12 Batch: WG1250190-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926370
Report Date: 06/20/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/19/19 12:57
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 06/19/19 03:55

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 10-12 Batch: WG1250190-1					
Dimethyl phthalate	2.0	J	ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926370
Report Date: 06/20/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/19/19 12:57
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 06/19/19 03:55

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 10-12 Batch: WG1250190-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		21-120
Phenol-d6	55		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	65		10-120
4-Terphenyl-d14	80		41-149

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926370
Report Date: 06/20/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 06/19/19 13:29
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 06/19/19 04:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 10-12 Batch: WG1250192-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	0.10	J	ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	0.05	J	ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926370
Report Date: 06/20/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 06/19/19 13:29
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 06/19/19 04:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 10-12 Batch: WG1250192-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		21-120
Phenol-d6	41		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	91		15-120
2,4,6-Tribromophenol	93		10-120
4-Terphenyl-d14	92		41-149

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926370
Report Date: 06/20/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/19/19 13:47
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 06/19/19 06:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,06,08 Batch: WG1250225-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	41.
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: L1926370
Report Date: 06/20/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/19/19 13:47
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 06/19/19 06:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,06,08 Batch: WG1250225-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	99	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926370
Report Date: 06/20/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/19/19 13:47
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 06/19/19 06:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,06,08 Batch: WG1250225-1					
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	530	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	103		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	71		10-136
4-Terphenyl-d14	55		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: HVP-CASTLETON

Project Number: 19009EGP

Lab Number: L1926370

Report Date: 06/20/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 10-12 Batch: WG1250190-2 WG1250190-3								
Acenaphthene	83		81		37-111	2		30
1,2,4-Trichlorobenzene	78		76		39-98	3		30
Hexachlorobenzene	76		71		40-140	7		30
Bis(2-chloroethyl)ether	89		86		40-140	3		30
2-Chloronaphthalene	86		83		40-140	4		30
1,2-Dichlorobenzene	74		72		40-140	3		30
1,3-Dichlorobenzene	69		68		40-140	1		30
1,4-Dichlorobenzene	71		70		36-97	1		30
3,3'-Dichlorobenzidine	91		83		40-140	9		30
2,4-Dinitrotoluene	99		95		48-143	4		30
2,6-Dinitrotoluene	96		95		40-140	1		30
Fluoranthene	96		93		40-140	3		30
4-Chlorophenyl phenyl ether	83		78		40-140	6		30
4-Bromophenyl phenyl ether	78		76		40-140	3		30
Bis(2-chloroisopropyl)ether	67		66		40-140	2		30
Bis(2-chloroethoxy)methane	98		95		40-140	3		30
Hexachlorobutadiene	67		66		40-140	2		30
Hexachlorocyclopentadiene	73		68		40-140	7		30
Hexachloroethane	75		72		40-140	4		30
Isophorone	103		101		40-140	2		30
Naphthalene	86		79		40-140	8		30
Nitrobenzene	95		92		40-140	3		30
NDPA/DPA	91		90		40-140	1		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: HVP-CASTLETON

Project Number: 19009EGP

Lab Number: L1926370

Report Date: 06/20/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 10-12 Batch: WG1250190-2 WG1250190-3								
n-Nitrosodi-n-propylamine	103		101		29-132	2		30
Bis(2-ethylhexyl)phthalate	103		93		40-140	10		30
Butyl benzyl phthalate	110		101		40-140	9		30
Di-n-butylphthalate	95		93		40-140	2		30
Di-n-octylphthalate	114		108		40-140	5		30
Diethyl phthalate	96		95		40-140	1		30
Dimethyl phthalate	113		107		40-140	5		30
Benzo(a)anthracene	99		102		40-140	3		30
Benzo(a)pyrene	85		82		40-140	4		30
Benzo(b)fluoranthene	96		93		40-140	3		30
Benzo(k)fluoranthene	95		94		40-140	1		30
Chrysene	86		85		40-140	1		30
Acenaphthylene	97		90		45-123	7		30
Anthracene	94		89		40-140	5		30
Benzo(ghi)perylene	96		93		40-140	3		30
Fluorene	90		87		40-140	3		30
Phenanthrene	86		82		40-140	5		30
Dibenzo(a,h)anthracene	91		87		40-140	4		30
Indeno(1,2,3-cd)pyrene	89		83		40-140	7		30
Pyrene	92		89		26-127	3		30
Biphenyl	85		86		40-140	1		30
4-Chloroaniline	81		70		40-140	15		30
2-Nitroaniline	101		97		52-143	4		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: HVP-CASTLETON

Project Number: 19009EGP

Lab Number: L1926370

Report Date: 06/20/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 10-12 Batch: WG1250190-2 WG1250190-3								
3-Nitroaniline	91		83		25-145	9		30
4-Nitroaniline	96		90		51-143	6		30
Dibenzofuran	85		81		40-140	5		30
2-Methylnaphthalene	86		79		40-140	8		30
1,2,4,5-Tetrachlorobenzene	76		71		2-134	7		30
Acetophenone	94		92		39-129	2		30
2,4,6-Trichlorophenol	97		95		30-130	2		30
p-Chloro-m-cresol	102	Q	99	Q	23-97	3		30
2-Chlorophenol	93		92		27-123	1		30
2,4-Dichlorophenol	101		97		30-130	4		30
2,4-Dimethylphenol	98		93		30-130	5		30
2-Nitrophenol	98		96		30-130	2		30
4-Nitrophenol	74		74		10-80	0		30
2,4-Dinitrophenol	95		96		20-130	1		30
4,6-Dinitro-o-cresol	103		105		20-164	2		30
Pentachlorophenol	95		91		9-103	4		30
Phenol	68		64		12-110	6		30
2-Methylphenol	91		90		30-130	1		30
3-Methylphenol/4-Methylphenol	91		88		30-130	3		30
2,4,5-Trichlorophenol	94		90		30-130	4		30
Benzoic Acid	103		107		10-164	4		30
Benzyl Alcohol	97		93		26-116	4		30
Carbazole	100		96		55-144	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: HVP-CASTLETON

Project Number: 19009EGP

Lab Number: L1926370

Report Date: 06/20/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 10-12 Batch: WG1250190-2 WG1250190-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	77		73		21-120
Phenol-d6	65		60		10-120
Nitrobenzene-d5	100		96		23-120
2-Fluorobiphenyl	83		81		15-120
2,4,6-Tribromophenol	76		74		10-120
4-Terphenyl-d14	87		82		41-149

Lab Control Sample Analysis Batch Quality Control

Project Name: HVP-CASTLETON

Project Number: 19009EGP

Lab Number: L1926370

Report Date: 06/20/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 10-12 Batch: WG1250192-2 WG1250192-3								
Acenaphthene	86		83		40-140	4		40
2-Chloronaphthalene	90		89		40-140	1		40
Fluoranthene	90		86		40-140	5		40
Hexachlorobutadiene	95		93		40-140	2		40
Naphthalene	83		81		40-140	2		40
Benzo(a)anthracene	88		85		40-140	3		40
Benzo(a)pyrene	98		94		40-140	4		40
Benzo(b)fluoranthene	95		91		40-140	4		40
Benzo(k)fluoranthene	94		90		40-140	4		40
Chrysene	89		84		40-140	6		40
Acenaphthylene	90		84		40-140	7		40
Anthracene	91		87		40-140	4		40
Benzo(ghi)perylene	96		96		40-140	0		40
Fluorene	87		85		40-140	2		40
Phenanthrene	87		84		40-140	4		40
Dibenzo(a,h)anthracene	106		106		40-140	0		40
Indeno(1,2,3-cd)pyrene	101		103		40-140	2		40
Pyrene	90		87		40-140	3		40
2-Methylnaphthalene	88		86		40-140	2		40
Pentachlorophenol	96		96		40-140	0		40
Hexachlorobenzene	95		92		40-140	3		40
Hexachloroethane	74		72		40-140	3		40

Lab Control Sample Analysis Batch Quality Control

Project Name: HVP-CASTLETON

Lab Number: L1926370

Project Number: 19009EGP

Report Date: 06/20/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 10-12 Batch: WG1250192-2 WG1250192-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	57		56		21-120
Phenol-d6	42		42		10-120
Nitrobenzene-d5	81		80		23-120
2-Fluorobiphenyl	88		87		15-120
2,4,6-Tribromophenol	93		92		10-120
4-Terphenyl-d14	89		87		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: HVP-CASTLETON

Project Number: 19009EGP

Lab Number: L1926370

Report Date: 06/20/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,06,08 Batch: WG1250225-2 WG1250225-3								
Acenaphthene	76		72		31-137	5		50
1,2,4-Trichlorobenzene	58		78		38-107	29		50
Hexachlorobenzene	104		80		40-140	26		50
Bis(2-chloroethyl)ether	66		67		40-140	2		50
2-Chloronaphthalene	68		48		40-140	34		50
1,2-Dichlorobenzene	67		64		40-140	5		50
1,3-Dichlorobenzene	62		63		40-140	2		50
1,4-Dichlorobenzene	66		64		28-104	3		50
3,3'-Dichlorobenzidine	58		52		40-140	11		50
2,4-Dinitrotoluene	86		81		40-132	6		50
2,6-Dinitrotoluene	68		53		40-140	25		50
Fluoranthene	82		75		40-140	9		50
4-Chlorophenyl phenyl ether	82		75		40-140	9		50
4-Bromophenyl phenyl ether	113		83		40-140	31		50
Bis(2-chloroisopropyl)ether	73		68		40-140	7		50
Bis(2-chloroethoxy)methane	62		74		40-117	18		50
Hexachlorobutadiene	84		61		40-140	32		50
Hexachlorocyclopentadiene	84		60		40-140	33		50
Hexachloroethane	69		71		40-140	3		50
Isophorone	80		84		40-140	5		50
Naphthalene	72		68		40-140	6		50
Nitrobenzene	80		100		40-140	22		50
NDPA/DPA	106		77		36-157	32		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: HVP-CASTLETON

Project Number: 19009EGP

Lab Number: L1926370

Report Date: 06/20/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,06,08 Batch: WG1250225-2 WG1250225-3								
n-Nitrosodi-n-propylamine	80		81		32-121	1		50
Bis(2-ethylhexyl)phthalate	75		72		40-140	4		50
Butyl benzyl phthalate	86		96		40-140	11		50
Di-n-butylphthalate	94		75		40-140	22		50
Di-n-octylphthalate	70		72		40-140	3		50
Diethyl phthalate	85		78		40-140	9		50
Dimethyl phthalate	67		50		40-140	29		50
Benzo(a)anthracene	77		71		40-140	8		50
Benzo(a)pyrene	84		72		40-140	15		50
Benzo(b)fluoranthene	80		66		40-140	19		50
Benzo(k)fluoranthene	80		68		40-140	16		50
Chrysene	74		70		40-140	6		50
Acenaphthylene	63		51		40-140	21		50
Anthracene	83		70		40-140	17		50
Benzo(ghi)perylene	87		75		40-140	15		50
Fluorene	82		76		40-140	8		50
Phenanthrene	77		68		40-140	12		50
Dibenzo(a,h)anthracene	84		72		40-140	15		50
Indeno(1,2,3-cd)pyrene	91		77		40-140	17		50
Pyrene	86		83		35-142	4		50
Biphenyl	66		46	Q	54-104	36		50
4-Chloroaniline	79		86		40-140	8		50
2-Nitroaniline	84		60		47-134	33		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: HVP-CASTLETON

Project Number: 19009EGP

Lab Number: L1926370

Report Date: 06/20/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,06,08 Batch: WG1250225-2 WG1250225-3								
3-Nitroaniline	68		64		26-129	6		50
4-Nitroaniline	86		82		41-125	5		50
Dibenzofuran	80		74		40-140	8		50
2-Methylnaphthalene	68		46		40-140	39		50
1,2,4,5-Tetrachlorobenzene	65		46		40-117	34		50
Acetophenone	70		70		14-144	0		50
2,4,6-Trichlorophenol	75		58		30-130	26		50
p-Chloro-m-cresol	83		56		26-103	39		50
2-Chlorophenol	69		73		25-102	6		50
2,4-Dichlorophenol	69		92		30-130	29		50
2,4-Dimethylphenol	72		84		30-130	15		50
2-Nitrophenol	82		92		30-130	11		50
4-Nitrophenol	85		85		11-114	0		50
2,4-Dinitrophenol	94		81		4-130	15		50
4,6-Dinitro-o-cresol	106		94		10-130	12		50
Pentachlorophenol	115	Q	88		17-109	27		50
Phenol	74		77		26-90	4		50
2-Methylphenol	80		77		30-130	4		50
3-Methylphenol/4-Methylphenol	77		78		30-130	1		50
2,4,5-Trichlorophenol	80		59		30-130	30		50
Benzoic Acid	53		25		10-110	72	Q	50
Benzyl Alcohol	93		84		40-140	10		50
Carbazole	89		72		54-128	21		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: HVP-CASTLETON

Lab Number: L1926370

Project Number: 19009EGP

Report Date: 06/20/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,06,08 Batch: WG1250225-2 WG1250225-3								
1,4-Dioxane	45		54		40-140	18		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	69		74		25-120
Phenol-d6	74		75		10-120
Nitrobenzene-d5	89		93		23-120
2-Fluorobiphenyl	74		50		30-120
2,4,6-Tribromophenol	130		102		10-136
4-Terphenyl-d14	90		85		18-120

PCBS

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS****Lab ID:** L1926370-01**Date Collected:** 06/18/19 08:30**Client ID:** S-9**Date Received:** 06/18/19**Sample Location:** 1900 RIVER RD., CASTLETON-ON-HUDSON, NY**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil**Extraction Method:** EPA 3546**Analytical Method:** 1,8082A**Extraction Date:** 06/19/19 05:54**Analytical Date:** 06/19/19 16:26**Cleanup Method:** EPA 3665A**Analyst:** KEG**Cleanup Date:** 06/19/19**Percent Solids:** 86%**Cleanup Method:** EPA 3660B**Cleanup Date:** 06/19/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.9	3.37	1	A
Aroclor 1221	ND		ug/kg	37.9	3.80	1	A
Aroclor 1232	ND		ug/kg	37.9	8.04	1	A
Aroclor 1242	ND		ug/kg	37.9	5.11	1	A
Aroclor 1248	ND		ug/kg	37.9	5.69	1	A
Aroclor 1254	32.8	J	ug/kg	37.9	4.15	1	A
Aroclor 1260	30.4	J	ug/kg	37.9	7.01	1	A
Aroclor 1262	ND		ug/kg	37.9	4.82	1	A
Aroclor 1268	9.42	J	ug/kg	37.9	3.93	1	A
PCBs, Total	72.6	J	ug/kg	37.9	3.37	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS****Lab ID:** L1926370-02**Date Collected:** 06/18/19 08:50**Client ID:** S-10**Date Received:** 06/18/19**Sample Location:** 1900 RIVER RD., CASTLETON-ON-HUDSON, NY**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil**Extraction Method:** EPA 3546**Analytical Method:** 1,8082A**Extraction Date:** 06/19/19 05:54**Analytical Date:** 06/19/19 16:39**Cleanup Method:** EPA 3665A**Analyst:** KEG**Cleanup Date:** 06/19/19**Percent Solids:** 79%**Cleanup Method:** EPA 3660B**Cleanup Date:** 06/19/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.7	3.70	1	A
Aroclor 1221	ND		ug/kg	41.7	4.18	1	A
Aroclor 1232	ND		ug/kg	41.7	8.84	1	A
Aroclor 1242	ND		ug/kg	41.7	5.62	1	A
Aroclor 1248	ND		ug/kg	41.7	6.26	1	A
Aroclor 1254	23.4	J	ug/kg	41.7	4.56	1	B
Aroclor 1260	11.8	J	ug/kg	41.7	7.71	1	B
Aroclor 1262	ND		ug/kg	41.7	5.30	1	A
Aroclor 1268	ND		ug/kg	41.7	4.32	1	A
PCBs, Total	35.2	J	ug/kg	41.7	3.70	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	56		30-150	B

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS**

Lab ID: L1926370-03

Date Collected: 06/18/19 09:20

Client ID: S-11

Date Received: 06/18/19

Sample Location: 1900 RIVER RD., CASTLETON-ON-HUDSON, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Extraction Method: EPA 3546

Analytical Method: 1,8082A

Extraction Date: 06/19/19 05:54

Analytical Date: 06/19/19 16:51

Cleanup Method: EPA 3665A

Analyst: KEG

Cleanup Date: 06/19/19

Percent Solids: 84%

Cleanup Method: EPA 3660B

Cleanup Date: 06/19/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.5	3.42	1	A
Aroclor 1221	ND		ug/kg	38.5	3.86	1	A
Aroclor 1232	ND		ug/kg	38.5	8.16	1	A
Aroclor 1242	ND		ug/kg	38.5	5.19	1	A
Aroclor 1248	ND		ug/kg	38.5	5.77	1	A
Aroclor 1254	ND		ug/kg	38.5	4.21	1	A
Aroclor 1260	12.9	J	ug/kg	38.5	7.11	1	B
Aroclor 1262	ND		ug/kg	38.5	4.89	1	A
Aroclor 1268	5.66	J	ug/kg	38.5	3.99	1	A
PCBs, Total	18.6	J	ug/kg	38.5	3.42	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	52		30-150	B

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS**

Lab ID: L1926370-06
 Client ID: B-9 (1-3')
 Sample Location: 1900 RIVER RD., CASTLETON-ON-HUDSON, NY

Date Collected: 06/18/19 11:25
 Date Received: 06/18/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 06/19/19 17:03
 Analyst: KEG
 Percent Solids: 90%

Extraction Method: EPA 3546
 Extraction Date: 06/19/19 05:54
 Cleanup Method: EPA 3665A
 Cleanup Date: 06/19/19
 Cleanup Method: EPA 3660B
 Cleanup Date: 06/19/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.0	3.20	1	A
Aroclor 1221	ND		ug/kg	36.0	3.61	1	A
Aroclor 1232	ND		ug/kg	36.0	7.63	1	A
Aroclor 1242	ND		ug/kg	36.0	4.85	1	A
Aroclor 1248	ND		ug/kg	36.0	5.40	1	A
Aroclor 1254	ND		ug/kg	36.0	3.94	1	A
Aroclor 1260	112		ug/kg	36.0	6.65	1	B
Aroclor 1262	ND		ug/kg	36.0	4.57	1	A
Aroclor 1268	ND		ug/kg	36.0	3.73	1	A
PCBs, Total	112		ug/kg	36.0	3.20	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	52		30-150	B

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS**

Lab ID: L1926370-08
 Client ID: B-10 (1-3')
 Sample Location: 1900 RIVER RD., CASTLETON-ON-HUDSON, NY

Date Collected: 06/18/19 11:45
 Date Received: 06/18/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 06/19/19 17:16
 Analyst: KEG
 Percent Solids: 90%

Extraction Method: EPA 3546
 Extraction Date: 06/19/19 05:54
 Cleanup Method: EPA 3665A
 Cleanup Date: 06/19/19
 Cleanup Method: EPA 3660B
 Cleanup Date: 06/19/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.7	3.17	1	A
Aroclor 1221	ND		ug/kg	35.7	3.58	1	A
Aroclor 1232	ND		ug/kg	35.7	7.57	1	A
Aroclor 1242	ND		ug/kg	35.7	4.82	1	A
Aroclor 1248	ND		ug/kg	35.7	5.36	1	A
Aroclor 1254	ND		ug/kg	35.7	3.91	1	A
Aroclor 1260	ND		ug/kg	35.7	6.60	1	A
Aroclor 1262	ND		ug/kg	35.7	4.54	1	A
Aroclor 1268	ND		ug/kg	35.7	3.70	1	A
PCBs, Total	ND		ug/kg	35.7	3.17	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS**

Lab ID: L1926370-10
 Client ID: TMW-1
 Sample Location: 1900 RIVER RD., CASTLETON-ON-HUDSON, NY

Date Collected: 06/18/19 13:40
 Date Received: 06/18/19
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8082A
 Analytical Date: 06/19/19 14:17
 Analyst: KB

Extraction Method: EPA 3510C
 Extraction Date: 06/19/19 05:42
 Cleanup Method: EPA 3665A
 Cleanup Date: 06/19/19
 Cleanup Method: EPA 3660B
 Cleanup Date: 06/19/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.034	1	A
Aroclor 1221	ND		ug/l	0.083	0.067	1	A
Aroclor 1232	ND		ug/l	0.083	0.046	1	A
Aroclor 1242	ND		ug/l	0.083	0.039	1	A
Aroclor 1248	ND		ug/l	0.083	0.049	1	A
Aroclor 1254	ND		ug/l	0.083	0.039	1	A
Aroclor 1260	0.211		ug/l	0.083	0.032	1	B
Aroclor 1262	ND		ug/l	0.083	0.035	1	A
Aroclor 1268	ND		ug/l	0.083	0.034	1	A
PCBs, Total	0.211		ug/l	0.083	0.032	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS****Lab ID:** L1926370-11**Date Collected:** 06/18/19 14:20**Client ID:** TMW-2**Date Received:** 06/18/19**Sample Location:** 1900 RIVER RD., CASTLETON-ON-HUDSON, NY**Field Prep:** Not Specified**Sample Depth:****Matrix:** Water**Extraction Method:** EPA 3510C**Analytical Method:** 1,8082A**Extraction Date:** 06/19/19 05:42**Analytical Date:** 06/19/19 14:30**Cleanup Method:** EPA 3665A**Analyst:** KB**Cleanup Date:** 06/19/19**Cleanup Method:** EPA 3660B**Cleanup Date:** 06/19/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.034	1	A
Aroclor 1221	ND		ug/l	0.083	0.067	1	A
Aroclor 1232	ND		ug/l	0.083	0.046	1	A
Aroclor 1242	ND		ug/l	0.083	0.039	1	A
Aroclor 1248	ND		ug/l	0.083	0.049	1	A
Aroclor 1254	ND		ug/l	0.083	0.039	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.035	1	A
Aroclor 1268	ND		ug/l	0.083	0.034	1	A
PCBs, Total	ND		ug/l	0.083	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	39		30-150	A
Decachlorobiphenyl	31		30-150	A
2,4,5,6-Tetrachloro-m-xylene	38		30-150	B
Decachlorobiphenyl	32		30-150	B

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926370
Report Date: 06/20/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 06/19/19 13:36
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 06/19/19 05:42
Cleanup Method: EPA 3665A
Cleanup Date: 06/19/19
Cleanup Method: EPA 3660B
Cleanup Date: 06/19/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 10-11 Batch: WG1250216-1						
Aroclor 1016	ND		ug/l	0.083	0.034	A
Aroclor 1221	ND		ug/l	0.083	0.067	A
Aroclor 1232	ND		ug/l	0.083	0.046	A
Aroclor 1242	ND		ug/l	0.083	0.039	A
Aroclor 1248	ND		ug/l	0.083	0.049	A
Aroclor 1254	ND		ug/l	0.083	0.039	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.035	A
Aroclor 1268	ND		ug/l	0.083	0.034	A
PCBs, Total	ND		ug/l	0.083	0.032	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926370
Report Date: 06/20/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 06/19/19 15:37
Analyst: KEG

Extraction Method: EPA 3546
Extraction Date: 06/19/19 05:38
Cleanup Method: EPA 3665A
Cleanup Date: 06/19/19
Cleanup Method: EPA 3660B
Cleanup Date: 06/19/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-03,06,08 Batch: WG1250219-1						
Aroclor 1016	ND		ug/kg	33.2	2.94	A
Aroclor 1221	ND		ug/kg	33.2	3.32	A
Aroclor 1232	ND		ug/kg	33.2	7.03	A
Aroclor 1242	ND		ug/kg	33.2	4.47	A
Aroclor 1248	ND		ug/kg	33.2	4.97	A
Aroclor 1254	ND		ug/kg	33.2	3.63	A
Aroclor 1260	ND		ug/kg	33.2	6.13	A
Aroclor 1262	ND		ug/kg	33.2	4.21	A
Aroclor 1268	ND		ug/kg	33.2	3.44	A
PCBs, Total	ND		ug/kg	33.2	2.94	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	80		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: HVP-CASTLETON

Lab Number: L1926370

Project Number: 19009EGP

Report Date: 06/20/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 10-11 Batch: WG1250216-2 WG1250216-3									
Aroclor 1016	75		79		40-140	5		50	A
Aroclor 1260	69		73		40-140	6		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		70		30-150	A
Decachlorobiphenyl	65		56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		70		30-150	B
Decachlorobiphenyl	64		61		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: HVP-CASTLETON

Lab Number: L1926370

Project Number: 19009EGP

Report Date: 06/20/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-03,06,08 Batch: WG1250219-2 WG1250219-3									
Aroclor 1016	82		84		40-140	2		50	A
Aroclor 1260	78		80		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		87		30-150	A
Decachlorobiphenyl	76		75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		84		30-150	B
Decachlorobiphenyl	85		82		30-150	B

METALS

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS**

Lab ID: L1926370-01

Date Collected: 06/18/19 08:30

Client ID: S-9

Date Received: 06/18/19

Sample Location: 1900 RIVER RD., CASTLETON-ON-HUDSON,
NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Antimony, Total	1.69	J	mg/kg	2.27	0.173	1	06/19/19 10:35	06/19/19 15:01	EPA 3050B	1,6010D	LC
Arsenic, Total	7.01		mg/kg	0.454	0.095	1	06/19/19 10:35	06/19/19 15:01	EPA 3050B	1,6010D	LC
Beryllium, Total	0.386		mg/kg	0.227	0.015	1	06/19/19 10:35	06/19/19 15:01	EPA 3050B	1,6010D	LC
Cadmium, Total	0.114	J	mg/kg	0.454	0.045	1	06/19/19 10:35	06/19/19 15:01	EPA 3050B	1,6010D	LC
Chromium, Total	12.4		mg/kg	0.454	0.044	1	06/19/19 10:35	06/19/19 15:01	EPA 3050B	1,6010D	LC
Copper, Total	20.0		mg/kg	0.454	0.117	1	06/19/19 10:35	06/19/19 15:01	EPA 3050B	1,6010D	LC
Lead, Total	47.7		mg/kg	2.27	0.122	1	06/19/19 10:35	06/19/19 15:01	EPA 3050B	1,6010D	LC
Mercury, Total	0.093		mg/kg	0.082	0.054	1	06/19/19 13:25	06/19/19 15:16	EPA 7471B	1,7471B	GD
Nickel, Total	16.5		mg/kg	1.14	0.110	1	06/19/19 10:35	06/19/19 15:01	EPA 3050B	1,6010D	LC
Selenium, Total	ND		mg/kg	0.908	0.117	1	06/19/19 10:35	06/19/19 15:01	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.454	0.128	1	06/19/19 10:35	06/19/19 15:01	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	0.908	0.143	1	06/19/19 10:35	06/19/19 15:01	EPA 3050B	1,6010D	LC
Zinc, Total	117		mg/kg	2.27	0.133	1	06/19/19 10:35	06/19/19 15:01	EPA 3050B	1,6010D	LC



Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS**

Lab ID: L1926370-02

Date Collected: 06/18/19 08:50

Client ID: S-10

Date Received: 06/18/19

Sample Location: 1900 RIVER RD., CASTLETON-ON-HUDSON,
NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Antimony, Total	2.74		mg/kg	2.46	0.187	1	06/19/19 10:35	06/19/19 15:45	EPA 3050B	1,6010D	LC
Arsenic, Total	11.8		mg/kg	0.493	0.102	1	06/19/19 10:35	06/19/19 15:45	EPA 3050B	1,6010D	LC
Beryllium, Total	0.547		mg/kg	0.246	0.016	1	06/19/19 10:35	06/19/19 15:45	EPA 3050B	1,6010D	LC
Cadmium, Total	ND		mg/kg	0.493	0.048	1	06/19/19 10:35	06/19/19 15:45	EPA 3050B	1,6010D	LC
Chromium, Total	12.7		mg/kg	0.493	0.047	1	06/19/19 10:35	06/19/19 15:45	EPA 3050B	1,6010D	LC
Copper, Total	26.4		mg/kg	0.493	0.127	1	06/19/19 10:35	06/19/19 15:45	EPA 3050B	1,6010D	LC
Lead, Total	52.0		mg/kg	2.46	0.132	1	06/19/19 10:35	06/19/19 15:45	EPA 3050B	1,6010D	LC
Mercury, Total	0.218		mg/kg	0.080	0.052	1	06/19/19 13:25	06/19/19 15:18	EPA 7471B	1,7471B	GD
Nickel, Total	17.3		mg/kg	1.23	0.119	1	06/19/19 10:35	06/19/19 15:45	EPA 3050B	1,6010D	LC
Selenium, Total	ND		mg/kg	0.986	0.127	1	06/19/19 10:35	06/19/19 15:45	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.493	0.140	1	06/19/19 10:35	06/19/19 15:45	EPA 3050B	1,6010D	LC
Thallium, Total	0.222	J	mg/kg	0.986	0.155	1	06/19/19 10:35	06/19/19 15:45	EPA 3050B	1,6010D	LC
Zinc, Total	64.5		mg/kg	2.46	0.144	1	06/19/19 10:35	06/19/19 15:45	EPA 3050B	1,6010D	LC



Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS**

Lab ID: L1926370-03

Date Collected: 06/18/19 09:20

Client ID: S-11

Date Received: 06/18/19

Sample Location: 1900 RIVER RD., CASTLETON-ON-HUDSON,
NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Antimony, Total	3.42		mg/kg	2.32	0.176	1	06/19/19 10:35	06/19/19 15:50	EPA 3050B	1,6010D	LC
Arsenic, Total	18.8		mg/kg	0.464	0.096	1	06/19/19 10:35	06/19/19 15:50	EPA 3050B	1,6010D	LC
Beryllium, Total	0.464		mg/kg	0.232	0.015	1	06/19/19 10:35	06/19/19 15:50	EPA 3050B	1,6010D	LC
Cadmium, Total	ND		mg/kg	0.464	0.045	1	06/19/19 10:35	06/19/19 15:50	EPA 3050B	1,6010D	LC
Chromium, Total	8.64		mg/kg	0.464	0.045	1	06/19/19 10:35	06/19/19 15:50	EPA 3050B	1,6010D	LC
Copper, Total	43.8		mg/kg	0.464	0.120	1	06/19/19 10:35	06/19/19 15:50	EPA 3050B	1,6010D	LC
Lead, Total	88.6		mg/kg	2.32	0.124	1	06/19/19 10:35	06/19/19 15:50	EPA 3050B	1,6010D	LC
Mercury, Total	0.132		mg/kg	0.075	0.049	1	06/19/19 13:25	06/19/19 15:20	EPA 7471B	1,7471B	GD
Nickel, Total	11.2		mg/kg	1.16	0.112	1	06/19/19 10:35	06/19/19 15:50	EPA 3050B	1,6010D	LC
Selenium, Total	ND		mg/kg	0.927	0.120	1	06/19/19 10:35	06/19/19 15:50	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.464	0.131	1	06/19/19 10:35	06/19/19 15:50	EPA 3050B	1,6010D	LC
Thallium, Total	0.325	J	mg/kg	0.927	0.146	1	06/19/19 10:35	06/19/19 15:50	EPA 3050B	1,6010D	LC
Zinc, Total	78.3		mg/kg	2.32	0.136	1	06/19/19 10:35	06/19/19 15:50	EPA 3050B	1,6010D	LC



Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS**

Lab ID: L1926370-06

Date Collected: 06/18/19 11:25

Client ID: B-9 (1-3')

Date Received: 06/18/19

Sample Location: 1900 RIVER RD., CASTLETON-ON-HUDSON,
NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Antimony, Total	1.28	J	mg/kg	2.16	0.164	1	06/19/19 10:35	06/19/19 15:54	EPA 3050B	1,6010D	LC
Arsenic, Total	5.00		mg/kg	0.431	0.090	1	06/19/19 10:35	06/19/19 15:54	EPA 3050B	1,6010D	LC
Beryllium, Total	0.380		mg/kg	0.216	0.014	1	06/19/19 10:35	06/19/19 15:54	EPA 3050B	1,6010D	LC
Cadmium, Total	ND		mg/kg	0.431	0.042	1	06/19/19 10:35	06/19/19 15:54	EPA 3050B	1,6010D	LC
Chromium, Total	10.1		mg/kg	0.431	0.041	1	06/19/19 10:35	06/19/19 15:54	EPA 3050B	1,6010D	LC
Copper, Total	23.4		mg/kg	0.431	0.111	1	06/19/19 10:35	06/19/19 15:54	EPA 3050B	1,6010D	LC
Lead, Total	24.9		mg/kg	2.16	0.116	1	06/19/19 10:35	06/19/19 15:54	EPA 3050B	1,6010D	LC
Mercury, Total	0.072		mg/kg	0.070	0.046	1	06/19/19 13:25	06/19/19 15:22	EPA 7471B	1,7471B	GD
Nickel, Total	14.2		mg/kg	1.08	0.104	1	06/19/19 10:35	06/19/19 15:54	EPA 3050B	1,6010D	LC
Selenium, Total	ND		mg/kg	0.863	0.111	1	06/19/19 10:35	06/19/19 15:54	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.431	0.122	1	06/19/19 10:35	06/19/19 15:54	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	0.863	0.136	1	06/19/19 10:35	06/19/19 15:54	EPA 3050B	1,6010D	LC
Zinc, Total	69.5		mg/kg	2.16	0.126	1	06/19/19 10:35	06/19/19 15:54	EPA 3050B	1,6010D	LC



Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS**

Lab ID: L1926370-08

Date Collected: 06/18/19 11:45

Client ID: B-10 (1-3')

Date Received: 06/18/19

Sample Location: 1900 RIVER RD., CASTLETON-ON-HUDSON,
NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Antimony, Total	1.02	J	mg/kg	2.17	0.165	1	06/19/19 10:35	06/19/19 15:58	EPA 3050B	1,6010D	LC
Arsenic, Total	5.01		mg/kg	0.434	0.090	1	06/19/19 10:35	06/19/19 15:58	EPA 3050B	1,6010D	LC
Beryllium, Total	0.382		mg/kg	0.217	0.014	1	06/19/19 10:35	06/19/19 15:58	EPA 3050B	1,6010D	LC
Cadmium, Total	ND		mg/kg	0.434	0.043	1	06/19/19 10:35	06/19/19 15:58	EPA 3050B	1,6010D	LC
Chromium, Total	11.0		mg/kg	0.434	0.042	1	06/19/19 10:35	06/19/19 15:58	EPA 3050B	1,6010D	LC
Copper, Total	21.8		mg/kg	0.434	0.112	1	06/19/19 10:35	06/19/19 15:58	EPA 3050B	1,6010D	LC
Lead, Total	12.9		mg/kg	2.17	0.116	1	06/19/19 10:35	06/19/19 15:58	EPA 3050B	1,6010D	LC
Mercury, Total	ND		mg/kg	0.083	0.054	1	06/19/19 13:25	06/19/19 15:41	EPA 7471B	1,7471B	GD
Nickel, Total	14.5		mg/kg	1.08	0.105	1	06/19/19 10:35	06/19/19 15:58	EPA 3050B	1,6010D	LC
Selenium, Total	ND		mg/kg	0.868	0.112	1	06/19/19 10:35	06/19/19 15:58	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.434	0.123	1	06/19/19 10:35	06/19/19 15:58	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	0.868	0.137	1	06/19/19 10:35	06/19/19 15:58	EPA 3050B	1,6010D	LC
Zinc, Total	58.0		mg/kg	2.17	0.127	1	06/19/19 10:35	06/19/19 15:58	EPA 3050B	1,6010D	LC



Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS**

Lab ID: L1926370-10

Date Collected: 06/18/19 13:40

Client ID: TMW-1

Date Received: 06/18/19

Sample Location: 1900 RIVER RD., CASTLETON-ON-HUDSON,
NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Antimony, Total	0.00318	J	mg/l	0.00400	0.00042	1	06/19/19 09:14	06/19/19 12:51	EPA 3005A	1,6020B	AM
Arsenic, Total	0.02103		mg/l	0.00050	0.00016	1	06/19/19 09:14	06/19/19 12:51	EPA 3005A	1,6020B	AM
Beryllium, Total	0.00473		mg/l	0.00050	0.00010	1	06/19/19 09:14	06/19/19 12:51	EPA 3005A	1,6020B	AM
Cadmium, Total	0.00108		mg/l	0.00020	0.00005	1	06/19/19 09:14	06/19/19 12:51	EPA 3005A	1,6020B	AM
Chromium, Total	0.03348		mg/l	0.00100	0.00017	1	06/19/19 09:14	06/19/19 12:51	EPA 3005A	1,6020B	AM
Copper, Total	0.03797		mg/l	0.00100	0.00038	1	06/19/19 09:14	06/19/19 12:51	EPA 3005A	1,6020B	AM
Lead, Total	0.8022		mg/l	0.00100	0.00034	1	06/19/19 09:14	06/19/19 12:51	EPA 3005A	1,6020B	AM
Mercury, Total	0.00325		mg/l	0.00020	0.00009	1	06/19/19 10:48	06/19/19 16:38	EPA 7470A	1,7470A	GD
Nickel, Total	0.04309		mg/l	0.00200	0.00055	1	06/19/19 09:14	06/19/19 12:51	EPA 3005A	1,6020B	AM
Selenium, Total	0.0258		mg/l	0.00500	0.00173	1	06/19/19 09:14	06/19/19 12:51	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	06/19/19 09:14	06/19/19 12:51	EPA 3005A	1,6020B	AM
Thallium, Total	0.00018	J	mg/l	0.00050	0.00014	1	06/19/19 09:14	06/19/19 12:51	EPA 3005A	1,6020B	AM
Zinc, Total	0.3491		mg/l	0.01000	0.00341	1	06/19/19 09:14	06/19/19 12:51	EPA 3005A	1,6020B	AM



Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19**SAMPLE RESULTS**

Lab ID: L1926370-11

Date Collected: 06/18/19 14:20

Client ID: TMW-2

Date Received: 06/18/19

Sample Location: 1900 RIVER RD., CASTLETON-ON-HUDSON,
NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Antimony, Total	0.00509		mg/l	0.00400	0.00042	1	06/19/19 09:14	06/19/19 12:56	EPA 3005A	1,6020B	AM
Arsenic, Total	0.00492		mg/l	0.00050	0.00016	1	06/19/19 09:14	06/19/19 12:56	EPA 3005A	1,6020B	AM
Beryllium, Total	0.00033	J	mg/l	0.00050	0.00010	1	06/19/19 09:14	06/19/19 12:56	EPA 3005A	1,6020B	AM
Cadmium, Total	0.00037		mg/l	0.00020	0.00005	1	06/19/19 09:14	06/19/19 12:56	EPA 3005A	1,6020B	AM
Chromium, Total	0.00195		mg/l	0.00100	0.00017	1	06/19/19 09:14	06/19/19 12:56	EPA 3005A	1,6020B	AM
Copper, Total	0.03972		mg/l	0.00100	0.00038	1	06/19/19 09:14	06/19/19 12:56	EPA 3005A	1,6020B	AM
Lead, Total	0.1370		mg/l	0.00100	0.00034	1	06/19/19 09:14	06/19/19 12:56	EPA 3005A	1,6020B	AM
Mercury, Total	0.00288		mg/l	0.00020	0.00009	1	06/19/19 10:48	06/19/19 16:52	EPA 7470A	1,7470A	GD
Nickel, Total	0.00523		mg/l	0.00200	0.00055	1	06/19/19 09:14	06/19/19 12:56	EPA 3005A	1,6020B	AM
Selenium, Total	0.00287	J	mg/l	0.00500	0.00173	1	06/19/19 09:14	06/19/19 12:56	EPA 3005A	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	06/19/19 09:14	06/19/19 12:56	EPA 3005A	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	06/19/19 09:14	06/19/19 12:56	EPA 3005A	1,6020B	AM
Zinc, Total	0.08920		mg/l	0.01000	0.00341	1	06/19/19 09:14	06/19/19 12:56	EPA 3005A	1,6020B	AM



Project Name: HVP-CASTLETON

Lab Number: L1926370

Project Number: 19009EGP

Report Date: 06/20/19

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): 10-11 Batch: WG1250267-1										
Antimony, Total	0.00121	J	mg/l	0.00400	0.00042	1	06/19/19 09:14	06/19/19 12:28	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	06/19/19 09:14	06/19/19 12:28	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	06/19/19 09:14	06/19/19 12:28	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	06/19/19 09:14	06/19/19 12:28	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	06/19/19 09:14	06/19/19 12:28	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	06/19/19 09:14	06/19/19 12:28	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	06/19/19 09:14	06/19/19 12:28	1,6020B	AM
Nickel, Total	ND		mg/l	0.00200	0.00055	1	06/19/19 09:14	06/19/19 12:28	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	06/19/19 09:14	06/19/19 12:28	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	06/19/19 09:14	06/19/19 12:28	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	06/19/19 09:14	06/19/19 12:28	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	06/19/19 09:14	06/19/19 12:28	1,6020B	AM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03,06,08 Batch: WG1250358-1										
Antimony, Total	ND		mg/kg	2.00	0.152	1	06/19/19 10:35	06/19/19 14:36	1,6010D	LC
Arsenic, Total	ND		mg/kg	0.400	0.083	1	06/19/19 10:35	06/19/19 14:36	1,6010D	LC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	06/19/19 10:35	06/19/19 14:36	1,6010D	LC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	06/19/19 10:35	06/19/19 14:36	1,6010D	LC
Chromium, Total	ND		mg/kg	0.400	0.038	1	06/19/19 10:35	06/19/19 14:36	1,6010D	LC
Copper, Total	ND		mg/kg	0.400	0.103	1	06/19/19 10:35	06/19/19 14:36	1,6010D	LC
Lead, Total	ND		mg/kg	2.00	0.107	1	06/19/19 10:35	06/19/19 14:36	1,6010D	LC
Nickel, Total	ND		mg/kg	1.00	0.097	1	06/19/19 10:35	06/19/19 14:36	1,6010D	LC
Selenium, Total	ND		mg/kg	0.800	0.103	1	06/19/19 10:35	06/19/19 14:36	1,6010D	LC
Silver, Total	ND		mg/kg	0.400	0.113	1	06/19/19 10:35	06/19/19 14:36	1,6010D	LC
Thallium, Total	ND		mg/kg	0.800	0.126	1	06/19/19 10:35	06/19/19 14:36	1,6010D	LC
Zinc, Total	ND		mg/kg	2.00	0.117	1	06/19/19 10:35	06/19/19 14:36	1,6010D	LC



Project Name: HVP-CASTLETON

Lab Number: L1926370

Project Number: 19009EGP

Report Date: 06/20/19

Method Blank Analysis Batch Quality Control

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): 10-11 Batch: WG1250361-1									
Mercury, Total	ND	mg/l	0.00020	0.00009	1	06/19/19 10:48	06/19/19 16:35	1,7470A	GD

Prep Information

Digestion Method: EPA 7470A

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03,06,08 Batch: WG1250446-1									
Mercury, Total	ND	mg/kg	0.083	0.054	1	06/19/19 13:25	06/19/19 14:33	1,7471B	GD

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis Batch Quality Control

Project Name: HVP-CASTLETON

Project Number: 19009EGP

Lab Number: L1926370

Report Date: 06/20/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 10-11 Batch: WG1250267-2								
Antimony, Total	105		-		80-120	-		
Arsenic, Total	115		-		80-120	-		
Beryllium, Total	107		-		80-120	-		
Cadmium, Total	113		-		80-120	-		
Chromium, Total	112		-		80-120	-		
Copper, Total	108		-		80-120	-		
Lead, Total	115		-		80-120	-		
Nickel, Total	112		-		80-120	-		
Selenium, Total	111		-		80-120	-		
Silver, Total	116		-		80-120	-		
Thallium, Total	116		-		80-120	-		
Zinc, Total	115		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: HVP-CASTLETON

Project Number: 19009EGP

Lab Number: L1926370

Report Date: 06/20/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03,06,08 Batch: WG1250358-2 SRM Lot Number: D105-540					
Antimony, Total	160	-	19-249	-	
Arsenic, Total	96	-	70-130	-	
Beryllium, Total	97	-	75-125	-	
Cadmium, Total	91	-	75-125	-	
Chromium, Total	88	-	70-130	-	
Copper, Total	85	-	75-125	-	
Lead, Total	91	-	71-128	-	
Nickel, Total	91	-	70-131	-	
Selenium, Total	91	-	63-137	-	
Silver, Total	90	-	69-131	-	
Thallium, Total	90	-	68-132	-	
Zinc, Total	92	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 10-11 Batch: WG1250361-2					
Mercury, Total	105	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-03,06,08 Batch: WG1250446-2 SRM Lot Number: D105-540					
Mercury, Total	92	-	60-141	-	

Matrix Spike Analysis **Batch Quality Control**

Project Name: HVP-CASTLETON

Lab Number: L1926370

Project Number: 19009EGP

Report Date: 06/20/19

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): 10-11			QC Batch ID: WG1250267-3			QC Sample: L1926370-10			Client ID: TMW-1			
Antimony, Total	0.00318J	0.5	0.6983	140	Q	-	-		75-125	-		20
Arsenic, Total	0.02103	0.12	0.1673	122		-	-		75-125	-		20
Beryllium, Total	0.00473	0.05	0.05840	107		-	-		75-125	-		20
Cadmium, Total	0.00108	0.051	0.06130	118		-	-		75-125	-		20
Chromium, Total	0.03348	0.2	0.2683	117		-	-		75-125	-		20
Copper, Total	0.03797	0.25	0.3316	117		-	-		75-125	-		20
Lead, Total	0.8022	0.51	1.411	119		-	-		75-125	-		20
Nickel, Total	0.04309	0.5	0.6127	114		-	-		75-125	-		20
Selenium, Total	0.0258	0.12	0.110	70	Q	-	-		75-125	-		20
Silver, Total	ND	0.05	0.05794	116		-	-		75-125	-		20
Thallium, Total	0.00018J	0.12	0.1332	111		-	-		75-125	-		20
Zinc, Total	0.3491	0.5	0.9918	128	Q	-	-		75-125	-		20

Matrix Spike Analysis **Batch Quality Control**

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926370
Report Date: 06/20/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03,06,08 QC Batch ID: WG1250358-3 QC Sample: L1926258-05 Client ID: MS Sample									
Antimony, Total	2.97	52.5	49.6	89	-	-	75-125	-	20
Arsenic, Total	7.77	12.6	23.5	125	-	-	75-125	-	20
Beryllium, Total	0.192J	5.25	5.30	101	-	-	75-125	-	20
Cadmium, Total	ND	5.35	4.94	92	-	-	75-125	-	20
Chromium, Total	8.40	21	35.6	130	Q	-	75-125	-	20
Copper, Total	44.0	26.2	45.8	7	Q	-	75-125	-	20
Lead, Total	99.4	53.5	127	52	Q	-	75-125	-	20
Nickel, Total	5.10	52.5	52.7	91	-	-	75-125	-	20
Selenium, Total	ND	12.6	11.5	91	-	-	75-125	-	20
Silver, Total	1.00	31.5	31.2	96	-	-	75-125	-	20
Thallium, Total	0.261J	12.6	9.96	79	-	-	75-125	-	20
Zinc, Total	67.4	52.5	121	102	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 10-11 QC Batch ID: WG1250361-3 QC Sample: L1926370-10 Client ID: TMW-1									
Mercury, Total	0.00325	0.005	0.00759	87	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-03,06,08 QC Batch ID: WG1250446-3 QC Sample: L1925275-04 Client ID: MS Sample									
Mercury, Total	0.240	0.178	0.280	22	Q	-	80-120	-	20

Lab Duplicate Analysis *Batch Quality Control*

Project Name: HVP-CASTLETON

Project Number: 19009EGP

Lab Number: L1926370

Report Date: 06/20/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 10-11 QC Batch ID: WG1250267-4 QC Sample: L1926370-10 Client ID: TMW-1						
Antimony, Total	0.00318J	0.00916	mg/l	NC		20
Arsenic, Total	0.02103	0.02497	mg/l	17		20
Beryllium, Total	0.00473	0.00469	mg/l	1		20
Cadmium, Total	0.00108	0.00122	mg/l	13		20
Chromium, Total	0.03348	0.04222	mg/l	23	Q	20
Copper, Total	0.03797	0.07556	mg/l	66	Q	20
Lead, Total	0.8022	0.7972	mg/l	1		20
Nickel, Total	0.04309	0.05221	mg/l	19		20
Selenium, Total	0.0258	0.0266	mg/l	3		20
Silver, Total	ND	ND	mg/l	NC		20
Thallium, Total	0.00018J	0.00048J	mg/l	NC		20
Zinc, Total	0.3491	0.3914	mg/l	11		20
Total Metals - Mansfield Lab Associated sample(s): 01-03,06,08 QC Batch ID: WG1250358-4 QC Sample: L1926258-05 Client ID: DUP Sample						
Arsenic, Total	7.77	13.3	mg/kg	52	Q	20
Cadmium, Total	ND	0.159J	mg/kg	NC		20
Chromium, Total	8.40	7.74	mg/kg	8		20
Lead, Total	99.4	99.5	mg/kg	0		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	1.00	0.561	mg/kg	56	Q	20

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Duplicate Analysis

Batch Quality Control

Lab Number: L1926370
Report Date: 06/20/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 10-11 QC Batch ID: WG1250361-4 QC Sample: L1926370-10 Client ID: TMW-1					
Mercury, Total	0.00325	0.00387	mg/l	17	20
Total Metals - Mansfield Lab Associated sample(s): 01-03,06,08 QC Batch ID: WG1250446-4 QC Sample: L1925275-04 Client ID: DUP Sample					
Mercury, Total	0.240	0.232	mg/kg	3	20

INORGANICS & MISCELLANEOUS

Project Name: HVP-CASTLETON**Project Number:** 19009EGP**Lab Number:** L1926370**Report Date:** 06/20/19**SAMPLE RESULTS****Lab ID:** L1926370-01**Client ID:** S-9**Sample Location:** 1900 RIVER RD., CASTLETON-ON-HUDSON, NY**Date Collected:** 06/18/19 08:30**Date Received:** 06/18/19**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	86.0		%	0.100	NA	1	-	06/19/19 02:57	121,2540G	YA



Project Name: HVP-CASTLETON**Project Number:** 19009EGP**Lab Number:** L1926370**Report Date:** 06/20/19**SAMPLE RESULTS****Lab ID:** L1926370-02**Client ID:** S-10**Sample Location:** 1900 RIVER RD., CASTLETON-ON-HUDSON, NY**Date Collected:** 06/18/19 08:50**Date Received:** 06/18/19**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	79.1		%	0.100	NA	1	-	06/19/19 02:57	121,2540G	YA



Project Name: HVP-CASTLETON**Project Number:** 19009EGP**Lab Number:** L1926370**Report Date:** 06/20/19**SAMPLE RESULTS****Lab ID:** L1926370-03**Client ID:** S-11**Sample Location:** 1900 RIVER RD., CASTLETON-ON-HUDSON, NY**Date Collected:** 06/18/19 09:20**Date Received:** 06/18/19**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	84.3		%	0.100	NA	1	-	06/19/19 02:57	121,2540G	YA



Project Name: HVP-CASTLETON**Project Number:** 19009EGP**Lab Number:** L1926370**Report Date:** 06/20/19**SAMPLE RESULTS****Lab ID:** L1926370-06**Client ID:** B-9 (1-3')**Sample Location:** 1900 RIVER RD., CASTLETON-ON-HUDSON, NY**Date Collected:** 06/18/19 11:25**Date Received:** 06/18/19**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	89.5		%	0.100	NA	1	-	06/19/19 02:57	121,2540G	YA



Project Name: HVP-CASTLETON**Project Number:** 19009EGP**Lab Number:** L1926370**Report Date:** 06/20/19**SAMPLE RESULTS****Lab ID:** L1926370-08**Client ID:** B-10 (1-3')**Sample Location:** 1900 RIVER RD., CASTLETON-ON-HUDSON, NY**Date Collected:** 06/18/19 11:45**Date Received:** 06/18/19**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	89.9		%	0.100	NA	1	-	06/19/19 02:57	121,2540G	YA



Lab Duplicate Analysis
*Batch Quality Control***Project Name:** HVP-CASTLETON**Project Number:** 19009EGP**Lab Number:** L1926370**Report Date:** 06/20/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03,06,08 QC Batch ID: WG1250177-1 QC Sample: L1926422-03 Client ID: DUP Sample						
Solids, Total	85.7	85.4	%	0		20

Project Name: HVP-CASTLETON
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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(*)
L1926370-01A	Vial Large Septa unpreserved (4oz)	A	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L1926370-01B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.4	Y	Absent		BE-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)
L1926370-01C	Glass 250ml/8oz unpreserved	A	NA		2.4	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(14)
L1926370-01X	Vial MeOH preserved split	A	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L1926370-01Y	Vial Water preserved split	A	NA		2.4	Y	Absent	19-JUN-19 03:49	NYTCL-8260-R2(14)
L1926370-01Z	Vial Water preserved split	A	NA		2.4	Y	Absent	19-JUN-19 03:49	NYTCL-8260-R2(14)
L1926370-02A	Vial Large Septa unpreserved (4oz)	A	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L1926370-02B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.4	Y	Absent		BE-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)
L1926370-02C	Glass 250ml/8oz unpreserved	A	NA		2.4	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(14)
L1926370-02X	Vial MeOH preserved split	A	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L1926370-02Y	Vial Water preserved split	A	NA		2.4	Y	Absent	19-JUN-19 03:49	NYTCL-8260-R2(14)
L1926370-02Z	Vial Water preserved split	A	NA		2.4	Y	Absent	19-JUN-19 03:49	NYTCL-8260-R2(14)
L1926370-03A	Vial Large Septa unpreserved (4oz)	A	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L1926370-03B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.4	Y	Absent		BE-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)
L1926370-03C	Glass 250ml/8oz unpreserved	A	NA		2.4	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(14)
L1926370-03X	Vial MeOH preserved split	A	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L1926370-03Y	Vial Water preserved split	A	NA		2.4	Y	Absent	19-JUN-19 03:49	NYTCL-8260-R2(14)
L1926370-03Z	Vial Water preserved split	A	NA		2.4	Y	Absent	19-JUN-19 12:56	NYTCL-8260-R2(14)
L1926370-04A	Vial Large Septa unpreserved (4oz)	A	NA		2.4	Y	Absent		ARCHIVE()

Project Name: HVP-CASTLETON
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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1926370-04B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.4	Y	Absent		ARCHIVE()
L1926370-04C	Glass 250ml/8oz unpreserved	A	NA		2.4	Y	Absent		ARCHIVE()
L1926370-05A	Vial Large Septa unpreserved (4oz)	A	NA		2.4	Y	Absent		ARCHIVE()
L1926370-05B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.4	Y	Absent		ARCHIVE()
L1926370-05C	Glass 250ml/8oz unpreserved	A	NA		2.4	Y	Absent		ARCHIVE()
L1926370-06A	Vial Large Septa unpreserved (4oz)	A	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L1926370-06B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.4	Y	Absent		BE-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)
L1926370-06C	Glass 250ml/8oz unpreserved	A	NA		2.4	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(14)
L1926370-06X	Vial MeOH preserved split	A	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L1926370-06Y	Vial Water preserved split	A	NA		2.4	Y	Absent	19-JUN-19 03:49	NYTCL-8260-R2(14)
L1926370-06Z	Vial Water preserved split	A	NA		2.4	Y	Absent	19-JUN-19 03:49	NYTCL-8260-R2(14)
L1926370-07A	Vial Large Septa unpreserved (4oz)	A	NA		2.4	Y	Absent		ARCHIVE()
L1926370-07B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.4	Y	Absent		ARCHIVE()
L1926370-07C	Glass 250ml/8oz unpreserved	A	NA		2.4	Y	Absent		ARCHIVE()
L1926370-08A	Vial Large Septa unpreserved (4oz)	A	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L1926370-08B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.4	Y	Absent		BE-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),HG-T(28),CD-TI(180)
L1926370-08C	Glass 250ml/8oz unpreserved	A	NA		2.4	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(14)
L1926370-08X	Vial MeOH preserved split	A	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L1926370-08Y	Vial Water preserved split	A	NA		2.4	Y	Absent	19-JUN-19 03:49	NYTCL-8260-R2(14)
L1926370-08Z	Vial Water preserved split	A	NA		2.4	Y	Absent	19-JUN-19 03:49	NYTCL-8260-R2(14)
L1926370-09A	Vial Large Septa unpreserved (4oz)	A	NA		2.4	Y	Absent		ARCHIVE()
L1926370-09B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.4	Y	Absent		ARCHIVE()
L1926370-09C	Glass 250ml/8oz unpreserved	A	NA		2.4	Y	Absent		ARCHIVE()
L1926370-10A	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L1926370-10B	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260-R2(14)

Project Name: HVP-CASTLETON
Project Number: 19009EGP

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Lab Number: L1926370
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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1926370-10C	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L1926370-10D	Plastic 250ml HNO3 preserved	A	<2	<2	2.4	Y	Absent		SE-6020T(180),TL-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),AS-6020T(180),SB-6020T(180),AG-6020T(180),CD-6020T(180),HG-T(28)
L1926370-10E	Amber 120ml unpreserved	A	7	7	2.4	Y	Absent		NYTCL-8082-LVI(7)
L1926370-10F	Amber 120ml unpreserved	A	7	7	2.4	Y	Absent		NYTCL-8082-LVI(7)
L1926370-10G	Amber 250ml unpreserved	A	7	7	2.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1926370-10H	Amber 250ml unpreserved	A	7	7	2.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1926370-11A	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L1926370-11B	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L1926370-11C	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L1926370-11D	Plastic 250ml HNO3 preserved	A	<2	<2	2.4	Y	Absent		SE-6020T(180),TL-6020T(180),CR-6020T(180),NI-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),AS-6020T(180),SB-6020T(180),AG-6020T(180),CD-6020T(180),HG-T(28)
L1926370-11E	Amber 120ml unpreserved	A	7	7	2.4	Y	Absent		NYTCL-8082-LVI(7)
L1926370-11F	Amber 120ml unpreserved	A	7	7	2.4	Y	Absent		NYTCL-8082-LVI(7)
L1926370-11G	Amber 250ml unpreserved	A	7	7	2.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1926370-11H	Amber 250ml unpreserved	A	7	7	2.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1926370-12A	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L1926370-12B	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L1926370-12C	Amber 250ml unpreserved	A	7	7	2.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1926370-13A	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260-R2(14)
L1926370-13B	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260-R2(14)

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers

Project Name: HVP-CASTLETON**Lab Number:** L1926370**Project Number:** 19009EGP**Report Date:** 06/20/19

- 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".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers



Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926370
Report Date: 06/20/19

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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



Alpha Analytical, Inc.

ID No.:17873

Facility: **Company-wide**

Revision 12

Department: **Quality Assurance**

Published Date: 10/9/2018 4:58:19 PM

Title: **Certificate/Approval Program Summary**

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Certification Information

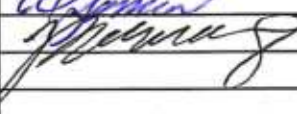
The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 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 I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg. EPA 522.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

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

 NEW YORK CHAIN OF CUSTODY		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page 1 of 2		Date Rec'd in Lab 6/19/19		ALPHA Job # L1926370									
		Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		Project Information Project Name: HVP-Castleton Project Location: 1900 River Rd., Castleton - Castleton, NY Project # 19009EGP (Use Project name as Project #) ☐		Deliverables ☒ ASP-A ☐ ASP-B ☐ EQUIS (1 File) ☐ EQUIS (4 File) ☐ Other		Billing Information ☒ Same as Client Info PO #							
Client Information Client: Grey Stone Engineering Address: 9 Bluebird St. Saratoga Springs, NY 12866 Phone: 518-578-3512 Fax: Email: bjacot@greystone-eng.com		Project Manager: Scott Bryant ALPHAQuote #: Turn-Around Time Standard ☐ Rush (only if pre approved) ☒ Due Date: 6/19/19 COB # of Days: 24h		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWW Standards ☐ NY CP-51 ☒ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:											
These samples have been previously analyzed by Alpha ☐						ANALYSIS				Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below)		Total Bottle					
Other project specific requirements/comments:						VOCs 8260 SVOCs 8270 PCBs PP Metals				Sample Specific Comments							
Please specify Metals or TAL.																	
ALPHA Lab ID (Lab Use Only)		Sample ID		Collection Date Time		Sample Matrix		Sampler's Initials									
26370-01		S-9		6/18/19 08:30		Soil		DK		✓		✓		✓		Archive	
-02		S-10		6/18/19 08:50		Soil		DK		✓		✓		✓		Archive	
-03		S-11		6/18/19 09:20		Soil		DK		✓		✓		✓		Archive	
-04		TP-S (6-7')		6/18/19 10:25		Soil		DK		✓		✓		✓		Archive	
-05		TP-S (13-14')		6/18/19 10:10		Soil		DK		✓		✓		✓		Archive	
-06		B-9 (1-3')		6/18/19 11:25		Soil		DK		✓		✓		✓			
-07		B-9 (6-8')		6/18/19 11:30		Soil		DK		✓		✓		✓		Archive	
-08		B-10 (1-3')		6/18/19 11:45		Soil		DK		✓		✓		✓			
-09		B-10 (5-7')		6/18/19 11:50		Soil		DK		✓		✓		✓		Archive	
-10		TMW-1		6/18/19 13:40		GW		DK		✓		✓		✓		8	
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type Preservative		402 802 802 202 G G G G A A A A B A A C		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)							
Relinquished By:		Date/Time		Received By:		Date/Time											
		6/18/19 15:50				6/18/19 15:50											
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