ANALYTICAL REPORT

Lab Number:	L1926113
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:	06/19/19

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

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508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926113
Report Date: 06/19/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1926113-01	S-1	SOIL	1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY	06/17/19 08:50	06/17/19
L1926113-02	S-2	SOIL	1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY	06/17/19 08:55	06/17/19
L1926113-03	S-3	SOIL	1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY	06/17/19 09:05	06/17/19
L1926113-04	S-4	SOIL	1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY	06/17/19 09:25	06/17/19
L1926113-05	S-5	SOIL	1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY	06/17/19 10:05	06/17/19
L1926113-06	S-6	SOIL	1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY	06/17/19 10:10	06/17/19
L1926113-07	B-1 (0-2.5')	SOIL	1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY	06/17/19 10:45	06/17/19
L1926113-08	S-7	SOIL	1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY	06/17/19 11:10	06/17/19
L1926113-09	B-2 (0-2')	SOIL	1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY	06/17/19 13:20	06/17/19
L1926113-10	B-2 (5-7')	SOIL	1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY	06/17/19 13:30	06/17/19
L1926113-11	S-8	SOIL	1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY	06/17/19 13:45	06/17/19
L1926113-12	B-4 (8-10')	SOIL	1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY	06/17/19 14:25	06/17/19

Project Name:	HVP-CASTLETON	**Lab Number:**	L1926113
Project Number:	19009EGP	**Report Date:**	06/19/19

Case Narrative

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

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

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

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

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

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

Project Name:	HVP-CASTLETON	**Lab Number:**	L1926113
Project Number:	19009EGP	**Report Date:**	06/19/19

Case Narrative (continued)

Report Submission

June 19, 2019: This final report includes the results of all requested analyses.

June 18, 2019: This is a preliminary report.

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.

L1926113-01: The internal standard (IS) response for 1,4-dichlorobenzene-d4 (39%) was outside the acceptance criteria; however, re-analysis achieved similar results: chlorobenzene-d5 (48%) and 1,4-dichlorobenzene-d4 (34%). The results of both analyses are reported.

L1926113-03: The internal standard (IS) responses for chlorobenzene-d5 (35%) and 1,4-dichlorobenzene-d4 (17%) and the surrogate recovery for 4-bromofluorobenzene (162%) were outside the acceptance criteria; however, re-analysis achieved similar results: fluorobenzene (39%), chlorobenzene-d5 (23%), and 1,4-dichlorobenzene-d4 (8%) and toluene-d8 (132%) and 4-bromofluorobenzene (197%). The results of both analyses are reported.

L1926113-04: The internal standard (IS) responses for chlorobenzene-d5 (39%), and 1,4-dichlorobenzene-d4 (21%) and the surrogate recovery for 4-bromofluorobenzene (158%) were outside the acceptance criteria; however, re-analysis achieved similar results: chlorobenzene-d5 (38%) and 1,4-dichlorobenzene-d4 (19%) and 4-bromofluorobenzene (146%). The results of both analyses are reported.

L1926113-06: The internal standard (IS) response for 1,4-dichlorobenzene-d4 (44%) was below the acceptance criteria; however, re-analysis achieved similar results: chlorobenzene-d5 (48%) and 1,4-dichlorobenzene-d4 (41). The results of both analyses are reported.

L1926113-07: The internal standard (IS) responses for fluorobenzene (32%), chlorobenzene-d5 (31%), and 1,4-dichlorobenzene-d4 (24%) and the surrogate recovery for 1,2-dichloroethane-d4 (163%) were outside the

Case Narrative (continued)

acceptance criteria. A second low-level vial was analyzed, but yielded no internal standard recoveries. A methanol analysis was performed, and those results are also reported.
L1926113-09: The internal standard (IS) responses for chlorobenzene-d5 (26%) and 1,4-dichlorobenzene-d4 (7%) and the surrogate recovery for toluene-d8 (182%) and 4-bromofluorobenzene (182%) were outside the acceptance criteria; however, re-analysis achieved similar results: chlorobenzene-d5 (36%), and 1,4-dichlorobenzene-d4 (10%) and toluene-d8 (173%) and 4-bromofluorobenzene (196%). The results of both analyses are reported.
L1926113-12: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (135%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report.

Semivolatile Organics
L1926113-01 and -03: The sample has elevated detection limits due to the limited sample volume utilized during extraction, as required by the sample matrix.
L1926113-01 through -06: The sample has elevated detection limits due to the dilution required by the matrix interferences encountered during the concentration of the sample and the analytical dilution required by the sample matrix.
L1926113-01 through -06: The surrogate recoveries are below the acceptance criteria for 2-fluorophenol (0%), phenol-d6 (0%), nitrobenzene-d5 (0%), 2-fluorobiphenyl (0%), 2,4,6-tribromophenol (0%) and 4-terphenyl-d14 (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

PCBs
L1926113-01, -03, -04, -05, and -06: The sample has elevated detection limits due to the dilution required by the matrix interferences encountered during the concentration of the sample and the analytical dilution required by the sample matrix.
L1926113-01, -03, -04, -05, and -06: The surrogate recoveries are below the acceptance criteria for 2,4,5,6-

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

Case Narrative (continued)

tetrachloro-m-xylene (0%) and decachlorobiphenyl (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

L1926113-03: The internal standard (IS) response for 1-bromo-2-nitrobenzene was above the acceptance criteria; however, the sample was not re-analyzed due to obvious interferences.

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

Authorized Signature: Melissa Cripps

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

ORGANICS

VOLATILES

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-01 Date Collected: 06/17/19 08:50

Client ID: S-1 Date Received: 06/17/19

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

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 06/18/19 11:25

Analyst: MV

Percent Solids: 80%

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	0.17	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	0.31	1
Tetrachloroethene	ND		ug/kg	0.57	0.22	1
Chlorobenzene	ND		ug/kg	0.57	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.80	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.30	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	4.6	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	0.25	J	ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.6	1.1	1
Bromomethane	ND		ug/kg	2.3	0.67	1
Vinyl chloride	ND		ug/kg	1.1	0.38	1
Chloroethane	ND		ug/kg	2.3	0.52	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:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-01 Date Collected: 06/17/19 08:50

Client ID: S-1 Date Received: 06/17/19

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

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.20	1
Methyl tert butyl ether	0.84	J	ug/kg	2.3	0.23	1
p/m-Xylene	1.1	J	ug/kg	2.3	0.64	1
o-Xylene	0.78	J	ug/kg	1.1	0.33	1
Xylenes, Total	1.9	J	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	290		ug/kg	11	5.5	1
Carbon disulfide	ND		ug/kg	11	5.2	1
2-Butanone	160		ug/kg	11	2.6	1
4-Methyl-2-pentanone	24		ug/kg	11	1.5	1
2-Hexanone	12		ug/kg	11	1.4	1
Bromochloromethane	ND		ug/kg	2.3	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.32	1
n-Butylbenzene	0.71	J	ug/kg	1.1	0.19	1
sec-Butylbenzene	0.46	J	ug/kg	1.1	0.17	1
tert-Butylbenzene	ND		ug/kg	2.3	0.14	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	0.42	J	ug/kg	1.1	0.12	1
Naphthalene	1.3	J	ug/kg	4.6	0.75	1
n-Propylbenzene	0.47	J	ug/kg	1.1	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.37	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.31	1
1,3,5-Trimethylbenzene	1.6	J	ug/kg	2.3	0.22	1
1,2,4-Trimethylbenzene	4.0		ug/kg	2.3	0.38	1
Methyl Acetate	ND		ug/kg	4.6	1.1	1
Cyclohexane	ND		ug/kg	11	0.62	1
1,4-Dioxane	ND		ug/kg	92	40.	1
Freon-113	ND		ug/kg	4.6	0.80	1
Methyl cyclohexane	ND		ug/kg	4.6	0.69	1

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-01 Date Collected: 06/17/19 08:50

Client ID: S-1 Date Received: 06/17/19

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

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	130		70-130
Dibromofluoromethane	102		70-130

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-01 R
Client ID: S-1
Sample Location: 1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY

Date Collected: 06/17/19 08:50
Date Received: 06/17/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/18/19 12:43
Analyst: MV
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.9	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.8	0.16	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	ND		ug/kg	0.59	0.23	1
Chlorobenzene	ND		ug/kg	0.59	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.7	0.82	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.59	0.20	1
Bromodichloromethane	ND		ug/kg	0.59	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.59	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.59	0.19	1
Bromoform	ND		ug/kg	4.7	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.59	0.20	1
Benzene	ND		ug/kg	0.59	0.20	1
Toluene	ND		ug/kg	1.2	0.64	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.7	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	0.53	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1
Trichloroethene	ND		ug/kg	0.59	0.16	1

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-01 R Date Collected: 06/17/19 08:50

Client ID: S-1 Date Received: 06/17/19

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

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.20	1
Methyl tert butyl ether	0.62	J	ug/kg	2.4	0.24	1
p/m-Xylene	0.67	J	ug/kg	2.4	0.66	1
o-Xylene	ND		ug/kg	1.2	0.34	1
Xylenes, Total	0.67	J	ug/kg	1.2	0.34	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	160		ug/kg	12	5.7	1
Carbon disulfide	ND		ug/kg	12	5.4	1
2-Butanone	63		ug/kg	12	2.6	1
4-Methyl-2-pentanone	7.8	J	ug/kg	12	1.5	1
2-Hexanone	4.8	J	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	0.40	J	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	3.5	1.2	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	1.3	J	ug/kg	4.7	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	0.74	J	ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	2.1	J	ug/kg	2.4	0.39	1
Methyl Acetate	ND		ug/kg	4.7	1.1	1
Cyclohexane	ND		ug/kg	12	0.64	1
1,4-Dioxane	ND		ug/kg	94	41.	1
Freon-113	ND		ug/kg	4.7	0.82	1
Methyl cyclohexane	ND		ug/kg	4.7	0.71	1

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-01 R
Client ID: S-1
Sample Location: 1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY

Date Collected: 06/17/19 08:50
Date Received: 06/17/19
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	79		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	125		70-130
Dibromofluoromethane	93		70-130

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-02 Date Collected: 06/17/19 08:55

Client ID: S-2 Date Received: 06/17/19

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

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 06/18/19 13:20

Analyst: JC

Percent Solids: 70%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	6.8	3.1	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.20	1
Chloroform	ND		ug/kg	2.0	0.19	1
Carbon tetrachloride	ND		ug/kg	1.4	0.31	1
1,2-Dichloropropane	ND		ug/kg	1.4	0.17	1
Dibromochloromethane	ND		ug/kg	1.4	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.36	1
Tetrachloroethene	ND		ug/kg	0.68	0.27	1
Chlorobenzene	ND		ug/kg	0.68	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.95	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.35	1
1,1,1-Trichloroethane	ND		ug/kg	0.68	0.23	1
Bromodichloromethane	ND		ug/kg	0.68	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.37	1
cis-1,3-Dichloropropene	ND		ug/kg	0.68	0.22	1
1,3-Dichloropropene, Total	ND		ug/kg	0.68	0.22	1
Bromoform	ND		ug/kg	5.4	0.34	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.68	0.23	1
Benzene	ND		ug/kg	0.68	0.23	1
Toluene	ND		ug/kg	1.4	0.74	1
Ethylbenzene	ND		ug/kg	1.4	0.19	1
Chloromethane	ND		ug/kg	5.4	1.3	1
Bromomethane	ND		ug/kg	2.7	0.79	1
Vinyl chloride	ND		ug/kg	1.4	0.46	1
Chloroethane	ND		ug/kg	2.7	0.62	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.19	1
Trichloroethene	ND		ug/kg	0.68	0.19	1

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-02 Date Collected: 06/17/19 08:55

Client ID: S-2 Date Received: 06/17/19

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

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	2.7	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	2.7	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.7	0.23	1
Methyl tert butyl ether	0.99	J	ug/kg	2.7	0.27	1
p/m-Xylene	ND		ug/kg	2.7	0.76	1
o-Xylene	ND		ug/kg	1.4	0.40	1
Xylenes, Total	ND		ug/kg	1.4	0.40	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.24	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.19	1
Styrene	ND		ug/kg	1.4	0.27	1
Dichlorodifluoromethane	ND		ug/kg	14	1.2	1
Acetone	50		ug/kg	14	6.6	1
Carbon disulfide	ND		ug/kg	14	6.2	1
2-Butanone	ND		ug/kg	14	3.0	1
4-Methyl-2-pentanone	ND		ug/kg	14	1.7	1
2-Hexanone	ND		ug/kg	14	1.6	1
Bromochloromethane	ND		ug/kg	2.7	0.28	1
1,2-Dibromoethane	ND		ug/kg	1.4	0.38	1
n-Butylbenzene	ND		ug/kg	1.4	0.23	1
sec-Butylbenzene	ND		ug/kg	1.4	0.20	1
tert-Butylbenzene	ND		ug/kg	2.7	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.1	1.4	1
Isopropylbenzene	ND		ug/kg	1.4	0.15	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.15	1
Naphthalene	ND		ug/kg	5.4	0.88	1
n-Propylbenzene	ND		ug/kg	1.4	0.23	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.7	0.44	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.7	0.37	1
1,3,5-Trimethylbenzene	0.27	J	ug/kg	2.7	0.26	1
1,2,4-Trimethylbenzene	0.57	J	ug/kg	2.7	0.46	1
Methyl Acetate	ND		ug/kg	5.4	1.3	1
Cyclohexane	ND		ug/kg	14	0.74	1
1,4-Dioxane	ND		ug/kg	110	48.	1
Freon-113	ND		ug/kg	5.4	0.94	1
Methyl cyclohexane	ND		ug/kg	5.4	0.82	1

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-02 Date Collected: 06/17/19 08:55

Client ID: S-2 Date Received: 06/17/19

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

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	105		70-130

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-03 Date Collected: 06/17/19 09:05

Client ID: S-3 Date Received: 06/17/19

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

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 06/18/19 09:08

Analyst: MV

Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	4.7	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.94	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.94	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.94	0.12	1
Dibromochloromethane	ND		ug/kg	0.94	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.94	0.25	1
Tetrachloroethene	ND		ug/kg	0.47	0.18	1
Chlorobenzene	ND		ug/kg	0.47	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.65	1
1,2-Dichloroethane	ND		ug/kg	0.94	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.47	0.16	1
Bromodichloromethane	ND		ug/kg	0.47	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.94	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.47	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.47	0.15	1
Bromoform	ND		ug/kg	3.8	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.47	0.16	1
Benzene	ND		ug/kg	0.47	0.16	1
Toluene	ND		ug/kg	0.94	0.51	1
Ethylbenzene	ND		ug/kg	0.94	0.13	1
Chloromethane	ND		ug/kg	3.8	0.88	1
Bromomethane	ND		ug/kg	1.9	0.55	1
Vinyl chloride	ND		ug/kg	0.94	0.32	1
Chloroethane	ND		ug/kg	1.9	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.94	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1
Trichloroethene	ND		ug/kg	0.47	0.13	1

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-03 Date Collected: 06/17/19 09:05

Client ID: S-3 Date Received: 06/17/19

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

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	0.75	J	ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.53	1
o-Xylene	ND		ug/kg	0.94	0.27	1
Xylenes, Total	ND		ug/kg	0.94	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.94	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.94	0.13	1
Styrene	ND		ug/kg	0.94	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.4	0.86	1
Acetone	130		ug/kg	9.4	4.5	1
Carbon disulfide	ND		ug/kg	9.4	4.3	1
2-Butanone	41		ug/kg	9.4	2.1	1
4-Methyl-2-pentanone	12		ug/kg	9.4	1.2	1
2-Hexanone	ND		ug/kg	9.4	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.94	0.26	1
n-Butylbenzene	ND		ug/kg	0.94	0.16	1
sec-Butylbenzene	ND		ug/kg	0.94	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.94	1
Isopropylbenzene	ND		ug/kg	0.94	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.94	0.10	1
Naphthalene	ND		ug/kg	3.8	0.61	1
n-Propylbenzene	ND		ug/kg	0.94	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	1.3	J	ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	2.3		ug/kg	1.9	0.31	1
Methyl Acetate	ND		ug/kg	3.8	0.89	1
Cyclohexane	0.68	J	ug/kg	9.4	0.51	1
1,4-Dioxane	ND		ug/kg	75	33.	1
Freon-113	ND		ug/kg	3.8	0.65	1
Methyl cyclohexane	0.57	J	ug/kg	3.8	0.57	1

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-03 Date Collected: 06/17/19 09:05

Client ID: S-3 Date Received: 06/17/19

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

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	120		70-130
4-Bromofluorobenzene	**162**	Q	70-130
Dibromofluoromethane	102		70-130

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-03 R
Client ID: S-3
Sample Location: 1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY

Date Collected: 06/17/19 09:05
Date Received: 06/17/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/18/19 13:08
Analyst: MV
Percent Solids: 94%

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	ND		ug/kg	0.51	0.20	1
Chlorobenzene	ND		ug/kg	0.51	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.70	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	4.0	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	4.0	0.94	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:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-03 R Date Collected: 06/17/19 09:05

Client ID: S-3 Date Received: 06/17/19

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

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	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	0.81	J	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	0.29	1
Xylenes, Total	ND		ug/kg	1.0	0.29	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	120		ug/kg	10	4.9	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	60		ug/kg	10	2.2	1
4-Methyl-2-pentanone	21		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	4.0	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	3.2		ug/kg	2.0	0.20	1
1,2,4-Trimethylbenzene	6.1		ug/kg	2.0	0.34	1
Methyl Acetate	ND		ug/kg	4.0	0.96	1
Cyclohexane	1.2	J	ug/kg	10	0.55	1
1,4-Dioxane	ND		ug/kg	81	36.	1
Freon-113	ND		ug/kg	4.0	0.70	1
Methyl cyclohexane	1.1	J	ug/kg	4.0	0.61	1

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-03 R
Client ID: S-3
Sample Location: 1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY

Date Collected: 06/17/19 09:05
Date Received: 06/17/19
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	106		70-130
Toluene-d8	**132**	Q	70-130
4-Bromofluorobenzene	**197**	Q	70-130
Dibromofluoromethane	107		70-130

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-04
Client ID: S-4
Sample Location: 1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY

Date Collected: 06/17/19 09:25
Date Received: 06/17/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/18/19 09:34
Analyst: MV
Percent Solids: 70%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	6.7	3.0	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.19	1
Chloroform	ND		ug/kg	2.0	0.19	1
Carbon tetrachloride	ND		ug/kg	1.3	0.31	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.17	1
Dibromochloromethane	ND		ug/kg	1.3	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.36	1
Tetrachloroethene	ND		ug/kg	0.67	0.26	1
Chlorobenzene	ND		ug/kg	0.67	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.3	0.93	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.34	1
1,1,1-Trichloroethane	ND		ug/kg	0.67	0.22	1
Bromodichloromethane	ND		ug/kg	0.67	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.36	1
cis-1,3-Dichloropropene	ND		ug/kg	0.67	0.21	1
1,3-Dichloropropene, Total	ND		ug/kg	0.67	0.21	1
Bromoform	ND		ug/kg	5.3	0.33	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.67	0.22	1
Benzene	ND		ug/kg	0.67	0.22	1
Toluene	12		ug/kg	1.3	0.72	1
Ethylbenzene	ND		ug/kg	1.3	0.19	1
Chloromethane	ND		ug/kg	5.3	1.2	1
Bromomethane	ND		ug/kg	2.7	0.78	1
Vinyl chloride	ND		ug/kg	1.3	0.45	1
Chloroethane	ND		ug/kg	2.7	0.60	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.18	1
Trichloroethene	ND		ug/kg	0.67	0.18	1

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-04 Date Collected: 06/17/19 09:25

Client ID: S-4 Date Received: 06/17/19

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

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	2.7	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	2.7	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.7	0.23	1
Methyl tert butyl ether	0.75	J	ug/kg	2.7	0.27	1
p/m-Xylene	ND		ug/kg	2.7	0.75	1
o-Xylene	ND		ug/kg	1.3	0.39	1
Xylenes, Total	ND		ug/kg	1.3	0.39	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.23	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.18	1
Styrene	ND		ug/kg	1.3	0.26	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	150		ug/kg	13	6.4	1
Carbon disulfide	ND		ug/kg	13	6.1	1
2-Butanone	18		ug/kg	13	3.0	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.7	1
2-Hexanone	ND		ug/kg	13	1.6	1
Bromochloromethane	ND		ug/kg	2.7	0.27	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.37	1
n-Butylbenzene	ND		ug/kg	1.3	0.22	1
sec-Butylbenzene	ND		ug/kg	1.3	0.19	1
tert-Butylbenzene	ND		ug/kg	2.7	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	1.3	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	5.1	J	ug/kg	5.3	0.87	1
n-Propylbenzene	ND		ug/kg	1.3	0.23	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.7	0.43	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.7	0.36	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.7	0.26	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.7	0.44	1
Methyl Acetate	ND		ug/kg	5.3	1.3	1
Cyclohexane	ND		ug/kg	13	0.72	1
1,4-Dioxane	ND		ug/kg	110	47.	1
Freon-113	ND		ug/kg	5.3	0.92	1
Methyl cyclohexane	ND		ug/kg	5.3	0.80	1

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-04 Date Collected: 06/17/19 09:25

Client ID: S-4 Date Received: 06/17/19

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

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	113		70-130
4-Bromofluorobenzene	**158**	Q	70-130
Dibromofluoromethane	103		70-130

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-04 R
Client ID: S-4
Sample Location: 1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY

Date Collected: 06/17/19 09:25
Date Received: 06/17/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/18/19 13:48
Analyst: JC
Percent Solids: 70%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	6.4	2.9	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.18	1
Chloroform	ND		ug/kg	1.9	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.29	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.16	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.34	1
Tetrachloroethene	ND		ug/kg	0.64	0.25	1
Chlorobenzene	ND		ug/kg	0.64	0.16	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.89	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.33	1
1,1,1-Trichloroethane	ND		ug/kg	0.64	0.21	1
Bromodichloromethane	ND		ug/kg	0.64	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.35	1
cis-1,3-Dichloropropene	ND		ug/kg	0.64	0.20	1
1,3-Dichloropropene, Total	ND		ug/kg	0.64	0.20	1
Bromoform	ND		ug/kg	5.1	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.64	0.21	1
Benzene	ND		ug/kg	0.64	0.21	1
Toluene	8.4		ug/kg	1.3	0.70	1
Ethylbenzene	ND		ug/kg	1.3	0.18	1
Chloromethane	ND		ug/kg	5.1	1.2	1
Bromomethane	ND		ug/kg	2.6	0.74	1
Vinyl chloride	ND		ug/kg	1.3	0.43	1
Chloroethane	ND		ug/kg	2.6	0.58	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.18	1
Trichloroethene	ND		ug/kg	0.64	0.18	1

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-04 R Date Collected: 06/17/19 09:25

Client ID: S-4 Date Received: 06/17/19

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

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	2.6	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	0.22	1
Methyl tert butyl ether	1.1	J	ug/kg	2.6	0.26	1
p/m-Xylene	ND		ug/kg	2.6	0.72	1
o-Xylene	ND		ug/kg	1.3	0.37	1
Xylenes, Total	ND		ug/kg	1.3	0.37	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.22	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.18	1
Styrene	ND		ug/kg	1.3	0.25	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	380		ug/kg	13	6.2	1
Carbon disulfide	ND		ug/kg	13	5.8	1
2-Butanone	24		ug/kg	13	2.8	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.6	1
2-Hexanone	ND		ug/kg	13	1.5	1
Bromochloromethane	ND		ug/kg	2.6	0.26	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.36	1
n-Butylbenzene	ND		ug/kg	1.3	0.21	1
sec-Butylbenzene	ND		ug/kg	1.3	0.19	1
tert-Butylbenzene	ND		ug/kg	2.6	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.8	1.3	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	0.16	J	ug/kg	1.3	0.14	1
Naphthalene	4.2	J	ug/kg	5.1	0.83	1
n-Propylbenzene	ND		ug/kg	1.3	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.6	0.41	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	0.35	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.6	0.25	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.6	0.43	1
Methyl Acetate	ND		ug/kg	5.1	1.2	1
Cyclohexane	ND		ug/kg	13	0.70	1
1,4-Dioxane	ND		ug/kg	100	45.	1
Freon-113	ND		ug/kg	5.1	0.89	1
Methyl cyclohexane	ND		ug/kg	5.1	0.77	1

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-04 R
Client ID: S-4
Sample Location: 1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY

Date Collected: 06/17/19 09:25
Date Received: 06/17/19
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	121		70-130
Toluene-d8	121		70-130
4-Bromofluorobenzene	**146**	Q	70-130
Dibromofluoromethane	116		70-130

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-05
Client ID: S-5
Sample Location: 1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY

Date Collected: 06/17/19 10:05
Date Received: 06/17/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/18/19 10:01
Analyst: MV
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.6	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	ND		ug/kg	0.56	0.22	1
Chlorobenzene	ND		ug/kg	0.56	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.5	0.78	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.29	1
1,1,1-Trichloroethane	ND		ug/kg	0.56	0.19	1
Bromodichloromethane	ND		ug/kg	0.56	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.31	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	4.5	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.56	0.19	1
Benzene	ND		ug/kg	0.56	0.19	1
Toluene	ND		ug/kg	1.1	0.61	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.5	1.0	1
Bromomethane	ND		ug/kg	2.2	0.65	1
Vinyl chloride	ND		ug/kg	1.1	0.38	1
Chloroethane	ND		ug/kg	2.2	0.51	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.27	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:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-05 Date Collected: 06/17/19 10:05

Client ID: S-5 Date Received: 06/17/19

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

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	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	0.76	J	ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.63	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	0.15	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	62		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	0.19	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	3.4	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	0.73	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	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.37	1
Methyl Acetate	ND		ug/kg	4.5	1.1	1
Cyclohexane	ND		ug/kg	11	0.61	1
1,4-Dioxane	ND		ug/kg	90	39.	1
Freon-113	ND		ug/kg	4.5	0.78	1
Methyl cyclohexane	ND		ug/kg	4.5	0.68	1

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-05 Date Collected: 06/17/19 10:05

Client ID: S-5 Date Received: 06/17/19

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

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	101		70-130

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-06 Date Collected: 06/17/19 10:10

Client ID: S-6 Date Received: 06/17/19

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

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 06/18/19 10:59

Analyst: MV

Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.2	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	0.52	0.20	1
Chlorobenzene	ND		ug/kg	0.52	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	0.52	0.18	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.52	0.16	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	ND		ug/kg	0.52	0.17	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	0.47	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	0.52	0.14	1

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-06 Date Collected: 06/17/19 10:10

Client ID: S-6 Date Received: 06/17/19

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

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	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	0.70	J	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	0.30	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	0.96	1
Acetone	23		ug/kg	10	5.0	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	1.3	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	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	3.1	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	4.2	0.68	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	0.28	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	ND		ug/kg	4.2	1.0	1
Cyclohexane	ND		ug/kg	10	0.57	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	0.63	1

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-06 Date Collected: 06/17/19 10:10

Client ID: S-6 Date Received: 06/17/19

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

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	104		70-130

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-06 R
Client ID: S-6
Sample Location: 1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY

Date Collected: 06/17/19 10:10
Date Received: 06/17/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/18/19 13:34
Analyst: MV
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.2	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	0.52	0.20	1
Chlorobenzene	ND		ug/kg	0.52	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	0.52	0.18	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.52	0.16	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	ND		ug/kg	0.52	0.17	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	0.47	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	0.52	0.14	1

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-06 R Date Collected: 06/17/19 10:10

Client ID: S-6 Date Received: 06/17/19

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

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	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	0.79	J	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	0.30	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	0.96	1
Acetone	41		ug/kg	10	5.0	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	1.3	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	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	3.1	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	4.2	0.68	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	0.28	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	ND		ug/kg	4.2	1.0	1
Cyclohexane	ND		ug/kg	10	0.57	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	0.63	1

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-06 R
Client ID: S-6
Sample Location: 1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY

Date Collected: 06/17/19 10:10
Date Received: 06/17/19
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	105		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	104		70-130

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-07 Date Collected: 06/17/19 10:45

Client ID: B-1 (0-2.5') Date Received: 06/17/19

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

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 06/18/19 08:31

Analyst: MV

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	4.9	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.98	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	0.98	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.98	0.12	1
Dibromochloromethane	ND		ug/kg	0.98	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	0.98	0.26	1
Tetrachloroethene	1.1		ug/kg	0.49	0.19	1
Chlorobenzene	ND		ug/kg	0.49	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.9	0.68	1
1,2-Dichloroethane	ND		ug/kg	0.98	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	0.49	0.16	1
Bromodichloromethane	ND		ug/kg	0.49	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	0.98	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.49	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.49	0.16	1
Bromoform	ND		ug/kg	3.9	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.49	0.16	1
Benzene	ND		ug/kg	0.49	0.16	1
Toluene	ND		ug/kg	0.98	0.53	1
Ethylbenzene	ND		ug/kg	0.98	0.14	1
Chloromethane	ND		ug/kg	3.9	0.92	1
Bromomethane	ND		ug/kg	2.0	0.57	1
Vinyl chloride	ND		ug/kg	0.98	0.33	1
Chloroethane	ND		ug/kg	2.0	0.44	1
1,1-Dichloroethene	ND		ug/kg	0.98	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.13	1
Trichloroethene	ND		ug/kg	0.49	0.13	1

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-07 Date Collected: 06/17/19 10:45

Client ID: B-1 (0-2.5') Date Received: 06/17/19

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

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	0.45	J	ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.55	1
o-Xylene	ND		ug/kg	0.98	0.28	1
Xylenes, Total	ND		ug/kg	0.98	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.98	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	0.98	0.13	1
Styrene	ND		ug/kg	0.98	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.8	0.90	1
Acetone	93		ug/kg	9.8	4.7	1
Carbon disulfide	ND		ug/kg	9.8	4.5	1
2-Butanone	ND		ug/kg	9.8	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	9.8	1.2	1
2-Hexanone	ND		ug/kg	9.8	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	0.98	0.27	1
n-Butylbenzene	ND		ug/kg	0.98	0.16	1
sec-Butylbenzene	ND		ug/kg	0.98	0.14	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.9	0.98	1
Isopropylbenzene	ND		ug/kg	0.98	0.11	1
p-Isopropyltoluene	ND		ug/kg	0.98	0.11	1
Naphthalene	ND		ug/kg	3.9	0.64	1
n-Propylbenzene	ND		ug/kg	0.98	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33	1
Methyl Acetate	ND		ug/kg	3.9	0.93	1
Cyclohexane	ND		ug/kg	9.8	0.53	1
1,4-Dioxane	ND		ug/kg	78	34.	1
Freon-113	ND		ug/kg	3.9	0.68	1
Methyl cyclohexane	ND		ug/kg	3.9	0.59	1

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-07 Date Collected: 06/17/19 10:45

Client ID: B-1 (0-2.5') Date Received: 06/17/19

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

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	**163**	Q	70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	114		70-130

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-07 Date Collected: 06/17/19 10:45

Client ID: B-1 (0-2.5') Date Received: 06/17/19

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

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 06/18/19 14:00

Analyst: JC

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	300	140	1
1,1-Dichloroethane	ND		ug/kg	59	8.6	1
Chloroform	ND		ug/kg	88	8.3	1
Carbon tetrachloride	ND		ug/kg	59	14.	1
1,2-Dichloropropane	ND		ug/kg	59	7.4	1
Dibromochloromethane	ND		ug/kg	59	8.3	1
1,1,2-Trichloroethane	ND		ug/kg	59	16.	1
Tetrachloroethene	460		ug/kg	30	12.	1
Chlorobenzene	ND		ug/kg	30	7.5	1
Trichlorofluoromethane	ND		ug/kg	240	41.	1
1,2-Dichloroethane	ND		ug/kg	59	15.	1
1,1,1-Trichloroethane	ND		ug/kg	30	9.8	1
Bromodichloromethane	ND		ug/kg	30	6.4	1
trans-1,3-Dichloropropene	ND		ug/kg	59	16.	1
cis-1,3-Dichloropropene	ND		ug/kg	30	9.3	1
1,3-Dichloropropene, Total	ND		ug/kg	30	9.3	1
Bromoform	ND		ug/kg	240	14.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	30	9.8	1
Benzene	ND		ug/kg	30	9.8	1
Toluene	39	J	ug/kg	59	32.	1
Ethylbenzene	ND		ug/kg	59	8.3	1
Chloromethane	ND		ug/kg	240	55.	1
Bromomethane	ND		ug/kg	120	34.	1
Vinyl chloride	ND		ug/kg	59	20.	1
Chloroethane	ND		ug/kg	120	27.	1
1,1-Dichloroethene	ND		ug/kg	59	14.	1
trans-1,2-Dichloroethene	ND		ug/kg	88	8.1	1
Trichloroethene	ND		ug/kg	30	8.1	1

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-07 Date Collected: 06/17/19 10:45

Client ID: B-1 (0-2.5') Date Received: 06/17/19

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

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	120	8.5	1
1,3-Dichlorobenzene	ND		ug/kg	120	8.7	1
1,4-Dichlorobenzene	ND		ug/kg	120	10.	1
Methyl tert butyl ether	ND		ug/kg	120	12.	1
p/m-Xylene	ND		ug/kg	120	33.	1
o-Xylene	ND		ug/kg	59	17.	1
Xylenes, Total	ND		ug/kg	59	17.	1
cis-1,2-Dichloroethene	ND		ug/kg	59	10.	1
1,2-Dichloroethene, Total	ND		ug/kg	59	8.1	1
Styrene	ND		ug/kg	59	12.	1
Dichlorodifluoromethane	ND		ug/kg	590	54.	1
Acetone	ND		ug/kg	590	280	1
Carbon disulfide	ND		ug/kg	590	270	1
2-Butanone	ND		ug/kg	590	130	1
4-Methyl-2-pentanone	ND		ug/kg	590	76.	1
2-Hexanone	ND		ug/kg	590	70.	1
Bromochloromethane	ND		ug/kg	120	12.	1
1,2-Dibromoethane	ND		ug/kg	59	16.	1
n-Butylbenzene	ND		ug/kg	59	9.8	1
sec-Butylbenzene	ND		ug/kg	59	8.6	1
tert-Butylbenzene	ND		ug/kg	120	7.0	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	180	59.	1
Isopropylbenzene	ND		ug/kg	59	6.4	1
p-Isopropyltoluene	ND		ug/kg	59	6.4	1
Naphthalene	ND		ug/kg	240	38.	1
n-Propylbenzene	ND		ug/kg	59	10.	1
1,2,3-Trichlorobenzene	ND		ug/kg	120	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	120	16.	1
1,3,5-Trimethylbenzene	ND		ug/kg	120	11.	1
1,2,4-Trimethylbenzene	ND		ug/kg	120	20.	1
Methyl Acetate	ND		ug/kg	240	56.	1
Cyclohexane	ND		ug/kg	590	32.	1
1,4-Dioxane	ND		ug/kg	4700	2100	1
Freon-113	ND		ug/kg	240	41.	1
Methyl cyclohexane	ND		ug/kg	240	36.	1

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-07 Date Collected: 06/17/19 10:45

Client ID: B-1 (0-2.5') Date Received: 06/17/19

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

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	95		70-130

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-08 Date Collected: 06/17/19 11:10

Client ID: S-7 Date Received: 06/17/19

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

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 06/18/19 08:59

Analyst: MV

Percent Solids: 72%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	6.8	3.1	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.20	1
Chloroform	ND		ug/kg	2.0	0.19	1
Carbon tetrachloride	ND		ug/kg	1.4	0.31	1
1,2-Dichloropropane	ND		ug/kg	1.4	0.17	1
Dibromochloromethane	ND		ug/kg	1.4	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.36	1
Tetrachloroethene	ND		ug/kg	0.68	0.27	1
Chlorobenzene	ND		ug/kg	0.68	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.5	0.95	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.35	1
1,1,1-Trichloroethane	ND		ug/kg	0.68	0.23	1
Bromodichloromethane	ND		ug/kg	0.68	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.37	1
cis-1,3-Dichloropropene	ND		ug/kg	0.68	0.22	1
1,3-Dichloropropene, Total	ND		ug/kg	0.68	0.22	1
Bromoform	ND		ug/kg	5.5	0.34	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.68	0.23	1
Benzene	ND		ug/kg	0.68	0.23	1
Toluene	ND		ug/kg	1.4	0.74	1
Ethylbenzene	ND		ug/kg	1.4	0.19	1
Chloromethane	ND		ug/kg	5.5	1.3	1
Bromomethane	ND		ug/kg	2.7	0.79	1
Vinyl chloride	ND		ug/kg	1.4	0.46	1
Chloroethane	ND		ug/kg	2.7	0.62	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.19	1
Trichloroethene	ND		ug/kg	0.68	0.19	1

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-08 Date Collected: 06/17/19 11:10

Client ID: S-7 Date Received: 06/17/19

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

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	2.7	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	2.7	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.7	0.23	1
Methyl tert butyl ether	0.92	J	ug/kg	2.7	0.27	1
p/m-Xylene	ND		ug/kg	2.7	0.76	1
o-Xylene	ND		ug/kg	1.4	0.40	1
Xylenes, Total	ND		ug/kg	1.4	0.40	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.24	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.19	1
Styrene	ND		ug/kg	1.4	0.27	1
Dichlorodifluoromethane	ND		ug/kg	14	1.2	1
Acetone	52		ug/kg	14	6.6	1
Carbon disulfide	ND		ug/kg	14	6.2	1
2-Butanone	7.3	J	ug/kg	14	3.0	1
4-Methyl-2-pentanone	ND		ug/kg	14	1.7	1
2-Hexanone	ND		ug/kg	14	1.6	1
Bromochloromethane	ND		ug/kg	2.7	0.28	1
1,2-Dibromoethane	ND		ug/kg	1.4	0.38	1
n-Butylbenzene	ND		ug/kg	1.4	0.23	1
sec-Butylbenzene	ND		ug/kg	1.4	0.20	1
tert-Butylbenzene	ND		ug/kg	2.7	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.1	1.4	1
Isopropylbenzene	ND		ug/kg	1.4	0.15	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.15	1
Naphthalene	ND		ug/kg	5.5	0.89	1
n-Propylbenzene	ND		ug/kg	1.4	0.23	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.7	0.44	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.7	0.37	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.7	0.26	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.7	0.46	1
Methyl Acetate	ND		ug/kg	5.5	1.3	1
Cyclohexane	ND		ug/kg	14	0.74	1
1,4-Dioxane	ND		ug/kg	110	48.	1
Freon-113	ND		ug/kg	5.5	0.95	1
Methyl cyclohexane	ND		ug/kg	5.5	0.82	1

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-08 Date Collected: 06/17/19 11:10

Client ID: S-7 Date Received: 06/17/19

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

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	99		70-130

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-09 Date Collected: 06/17/19 13:20

Client ID: B-2 (0-2') Date Received: 06/17/19

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

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 06/18/19 09:26

Analyst: MV

Percent Solids: 85%

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	0.76	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	0.94	J	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:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-09 Date Collected: 06/17/19 13:20

Client ID: B-2 (0-2') Date Received: 06/17/19

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

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	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	1.0	J	ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.61	1
o-Xylene	0.53	J	ug/kg	1.1	0.32	1
Xylenes, Total	0.53	J	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	5.7	J	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	3.3	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	4.3	0.71	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	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	0.72	J	ug/kg	2.2	0.36	1
Methyl Acetate	ND		ug/kg	4.3	1.0	1
Cyclohexane	1.6	J	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	2.8	J	ug/kg	4.3	0.66	1

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-09 Date Collected: 06/17/19 13:20

Client ID: B-2 (0-2') Date Received: 06/17/19

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

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	**182**	Q	70-130
4-Bromofluorobenzene	**182**	Q	70-130
Dibromofluoromethane	109		70-130

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-09 R
Client ID: B-2 (0-2')
Sample Location: 1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY

Date Collected: 06/17/19 13:20
Date Received: 06/17/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/18/19 12:37
Analyst: MV
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.6	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	ND		ug/kg	0.56	0.22	1
Chlorobenzene	ND		ug/kg	0.56	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.5	0.78	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.29	1
1,1,1-Trichloroethane	ND		ug/kg	0.56	0.19	1
Bromodichloromethane	ND		ug/kg	0.56	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.31	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	4.5	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.56	0.19	1
Benzene	ND		ug/kg	0.56	0.19	1
Toluene	0.97	J	ug/kg	1.1	0.61	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.5	1.0	1
Bromomethane	ND		ug/kg	2.2	0.66	1
Vinyl chloride	ND		ug/kg	1.1	0.38	1
Chloroethane	ND		ug/kg	2.2	0.51	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.27	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:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-09 R Date Collected: 06/17/19 13:20

Client ID: B-2 (0-2') Date Received: 06/17/19

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

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	0.92	J	ug/kg	2.2	0.23	1
p/m-Xylene	0.68	J	ug/kg	2.2	0.63	1
o-Xylene	0.80	J	ug/kg	1.1	0.33	1
Xylenes, Total	1.5	J	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	0.15	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	24		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	0.32	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	2.2	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	0.73	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	0.31	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.22	1
1,2,4-Trimethylbenzene	0.93	J	ug/kg	2.2	0.38	1
Methyl Acetate	ND		ug/kg	4.5	1.1	1
Cyclohexane	1.6	J	ug/kg	11	0.61	1
1,4-Dioxane	ND		ug/kg	90	40.	1
Freon-113	ND		ug/kg	4.5	0.78	1
Methyl cyclohexane	2.9	J	ug/kg	4.5	0.68	1

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-09 R Date Collected: 06/17/19 13:20

Client ID: B-2 (0-2') Date Received: 06/17/19

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

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	**173**	Q	70-130
4-Bromofluorobenzene	**196**	Q	70-130
Dibromofluoromethane	100		70-130

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-12 Date Collected: 06/17/19 14:25

Client ID: B-4 (8-10') Date Received: 06/17/19

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

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 06/18/19 12:17

Analyst: MV

Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	340	160	1
1,1-Dichloroethane	ND		ug/kg	69	10.	1
Chloroform	ND		ug/kg	100	9.6	1
Carbon tetrachloride	ND		ug/kg	69	16.	1
1,2-Dichloropropane	ND		ug/kg	69	8.6	1
Dibromochloromethane	ND		ug/kg	69	9.6	1
1,1,2-Trichloroethane	ND		ug/kg	69	18.	1
Tetrachloroethene	ND		ug/kg	34	13.	1
Chlorobenzene	ND		ug/kg	34	8.7	1
Trichlorofluoromethane	ND		ug/kg	270	48.	1
1,2-Dichloroethane	ND		ug/kg	69	18.	1
1,1,1-Trichloroethane	ND		ug/kg	34	11.	1
Bromodichloromethane	ND		ug/kg	34	7.5	1
trans-1,3-Dichloropropene	ND		ug/kg	69	19.	1
cis-1,3-Dichloropropene	ND		ug/kg	34	11.	1
1,3-Dichloropropene, Total	ND		ug/kg	34	11.	1
Bromoform	ND		ug/kg	270	17.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	34	11.	1
Benzene	ND		ug/kg	34	11.	1
Toluene	ND		ug/kg	69	37.	1
Ethylbenzene	ND		ug/kg	69	9.7	1
Chloromethane	ND		ug/kg	270	64.	1
Bromomethane	ND		ug/kg	140	40.	1
Vinyl chloride	ND		ug/kg	69	23.	1
Chloroethane	ND		ug/kg	140	31.	1
1,1-Dichloroethene	ND		ug/kg	69	16.	1
trans-1,2-Dichloroethene	ND		ug/kg	100	9.4	1
Trichloroethene	ND		ug/kg	34	9.4	1

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-12 Date Collected: 06/17/19 14:25

Client ID: B-4 (8-10') Date Received: 06/17/19

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

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	140	9.9	1
1,3-Dichlorobenzene	ND		ug/kg	140	10.	1
1,4-Dichlorobenzene	ND		ug/kg	140	12.	1
Methyl tert butyl ether	ND		ug/kg	140	14.	1
p/m-Xylene	ND		ug/kg	140	38.	1
o-Xylene	28	J	ug/kg	69	20.	1
Xylenes, Total	28	J	ug/kg	69	20.	1
cis-1,2-Dichloroethene	ND		ug/kg	69	12.	1
1,2-Dichloroethene, Total	ND		ug/kg	69	9.4	1
Styrene	ND		ug/kg	69	13.	1
Dichlorodifluoromethane	ND		ug/kg	690	63.	1
Acetone	ND		ug/kg	690	330	1
Carbon disulfide	ND		ug/kg	690	310	1
2-Butanone	ND		ug/kg	690	150	1
4-Methyl-2-pentanone	ND		ug/kg	690	88.	1
2-Hexanone	ND		ug/kg	690	81.	1
Bromochloromethane	ND		ug/kg	140	14.	1
1,2-Dibromoethane	ND		ug/kg	69	19.	1
n-Butylbenzene	420		ug/kg	69	11.	1
sec-Butylbenzene	620		ug/kg	69	10.	1
tert-Butylbenzene	140		ug/kg	140	8.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	210	68.	1
Isopropylbenzene	120		ug/kg	69	7.5	1
p-Isopropyltoluene	ND		ug/kg	69	7.5	1
Naphthalene	ND		ug/kg	270	45.	1
n-Propylbenzene	320		ug/kg	69	12.	1
1,2,3-Trichlorobenzene	ND		ug/kg	140	22.	1
1,2,4-Trichlorobenzene	ND		ug/kg	140	19.	1
1,3,5-Trimethylbenzene	ND		ug/kg	140	13.	1
1,2,4-Trimethylbenzene	38	J	ug/kg	140	23.	1
Methyl Acetate	ND		ug/kg	270	65.	1
Cyclohexane	140	J	ug/kg	690	37.	1
1,4-Dioxane	ND		ug/kg	5500	2400	1
Freon-113	ND		ug/kg	270	48.	1
Methyl cyclohexane	260	J	ug/kg	270	41.	1

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-12 Date Collected: 06/17/19 14:25

Client ID: B-4 (8-10') Date Received: 06/17/19

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

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	**135**	Q	70-130
Dibromofluoromethane	95		70-130

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/18/19 09:04
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,04 Batch: WG1249832-5					
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 **Lab Number:** L1926113

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

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/18/19 09:04
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,04 Batch: WG1249832-5					
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Styrene	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: L1926113
Report Date: 06/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/18/19 09:04
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,04 Batch: WG1249832-5					
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	99		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	104		70-130

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/18/19 08:17
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07,12 Batch: WG1249922-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8
1,2-Dichlorobenzene	ND		ug/kg	100	7.2

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
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Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07,12 Batch: WG1249922-5					
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.

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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
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Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07,12 Batch: WG1249922-5					
Methyl Acetate	ND		ug/kg	200	48.
Cyclohexane	ND		ug/kg	500	27.
1,4-Dioxane	ND		ug/kg	4000	1800
Freon-113	ND		ug/kg	200	35.
Methyl cyclohexane	ND		ug/kg	200	30.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	95		70-130

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
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Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-06 Batch: WG1249925-5					
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 **Lab Number:** L1926113

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Batch Quality Control

Analytical Method: 1,8260C
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Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-06 Batch: WG1249925-5					
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Styrene	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

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Method Blank Analysis
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Analytical Method: 1,8260C
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Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03-06 Batch: WG1249925-5					
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	88		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	95		70-130

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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/18/19 08:04
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-09 Batch: WG1249945-5					
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
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/18/19 08:04
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-09 Batch: WG1249945-5					
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Styrene	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
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/18/19 08:04
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-09 Batch: WG1249945-5					
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	107		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	97		70-130

Lab Control Sample Analysis

Batch Quality Control

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Project Number: 19009EGP

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,04 Batch: WG1249832-3 WG1249832-4								
Methylene chloride	101		98		70-130	3		30
1,1-Dichloroethane	100		98		70-130	2		30
Chloroform	105		103		70-130	2		30
Carbon tetrachloride	117		114		70-130	3		30
1,2-Dichloropropane	96		94		70-130	2		30
Dibromochloromethane	103		103		70-130	0		30
1,1,2-Trichloroethane	97		98		70-130	1		30
Tetrachloroethene	117		114		70-130	3		30
Chlorobenzene	105		103		70-130	2		30
Trichlorofluoromethane	111		114		70-139	3		30
1,2-Dichloroethane	94		94		70-130	0		30
1,1,1-Trichloroethane	116		112		70-130	4		30
Bromodichloromethane	102		102		70-130	0		30
trans-1,3-Dichloropropene	98		98		70-130	0		30
cis-1,3-Dichloropropene	103		104		70-130	1		30
Bromoform	100		104		70-130	4		30
1,1,2,2-Tetrachloroethane	92		97		70-130	5		30
Benzene	104		101		70-130	3		30
Toluene	103		100		70-130	3		30
Ethylbenzene	107		104		70-130	3		30
Chloromethane	80		84		52-130	5		30
Bromomethane	103		113		57-147	9		30
Vinyl chloride	87		91		67-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: HVP-CASTLETON
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,04 Batch: WG1249832-3 WG1249832-4								
Chloroethane	80		91		50-151	13		30
1,1-Dichloroethene	91		87		65-135	4		30
trans-1,2-Dichloroethene	111		106		70-130	5		30
Trichloroethene	108		105		70-130	3		30
1,2-Dichlorobenzene	103		103		70-130	0		30
1,3-Dichlorobenzene	106		104		70-130	2		30
1,4-Dichlorobenzene	103		103		70-130	0		30
Methyl tert butyl ether	103		104		66-130	1		30
p/m-Xylene	108		106		70-130	2		30
o-Xylene	105		103		70-130	2		30
cis-1,2-Dichloroethene	106		103		70-130	3		30
Styrene	108		106		70-130	2		30
Dichlorodifluoromethane	119		116		30-146	3		30
Acetone	85		92		54-140	8		30
Carbon disulfide	80		78		59-130	3		30
2-Butanone	78		82		70-130	5		30
4-Methyl-2-pentanone	89		91		70-130	2		30
2-Hexanone	85		86		70-130	1		30
Bromochloromethane	106		106		70-130	0		30
1,2-Dibromoethane	100		101		70-130	1		30
n-Butylbenzene	110		108		70-130	2		30
sec-Butylbenzene	108		106		70-130	2		30
tert-Butylbenzene	107		105		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: HVP-CASTLETON
Project Number: 19009EGP

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Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,04 Batch: WG1249832-3 WG1249832-4								
1,2-Dibromo-3-chloropropane	100		106		68-130	6		30
Isopropylbenzene	106		105		70-130	1		30
p-Isopropyltoluene	110		109		70-130	1		30
Naphthalene	99		102		70-130	3		30
n-Propylbenzene	106		104		70-130	2		30
1,2,3-Trichlorobenzene	105		106		70-130	1		30
1,2,4-Trichlorobenzene	109		110		70-130	1		30
1,3,5-Trimethylbenzene	106		104		70-130	2		30
1,2,4-Trimethylbenzene	104		103		70-130	1		30
Methyl Acetate	84		84		51-146	0		30
Cyclohexane	106		102		59-142	4		30
1,4-Dioxane	98		109		65-136	11		30
Freon-113	95		93		50-139	2		30
Methyl cyclohexane	116		112		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		96		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	98		98		70-130
Dibromofluoromethane	105		104		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926113
Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07,12 Batch: WG1249922-3 WG1249922-4								
Methylene chloride	90		87		70-130	3		30
1,1-Dichloroethane	97		96		70-130	1		30
Chloroform	97		94		70-130	3		30
Carbon tetrachloride	96		92		70-130	4		30
1,2-Dichloropropane	102		99		70-130	3		30
Dibromochloromethane	99		96		70-130	3		30
1,1,2-Trichloroethane	108		105		70-130	3		30
Tetrachloroethene	103		99		70-130	4		30
Chlorobenzene	99		98		70-130	1		30
Trichlorofluoromethane	92		89		70-139	3		30
1,2-Dichloroethane	89		88		70-130	1		30
1,1,1-Trichloroethane	97		93		70-130	4		30
Bromodichloromethane	100		98		70-130	2		30
trans-1,3-Dichloropropene	104		102		70-130	2		30
cis-1,3-Dichloropropene	108		105		70-130	3		30
Bromoform	105		99		70-130	6		30
1,1,2,2-Tetrachloroethane	108		102		70-130	6		30
Benzene	103		100		70-130	3		30
Toluene	101		98		70-130	3		30
Ethylbenzene	101		98		70-130	3		30
Chloromethane	92		87		52-130	6		30
Bromomethane	100		93		57-147	7		30
Vinyl chloride	98		93		67-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926113
Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07,12 Batch: WG1249922-3 WG1249922-4								
Chloroethane	103		102		50-151	1		30
1,1-Dichloroethene	107		102		65-135	5		30
trans-1,2-Dichloroethene	104		100		70-130	4		30
Trichloroethene	102		99		70-130	3		30
1,2-Dichlorobenzene	101		97		70-130	4		30
1,3-Dichlorobenzene	102		98		70-130	4		30
1,4-Dichlorobenzene	101		98		70-130	3		30
Methyl tert butyl ether	99		97		66-130	2		30
p/m-Xylene	103		100		70-130	3		30
o-Xylene	103		100		70-130	3		30
cis-1,2-Dichloroethene	104		101		70-130	3		30
Styrene	105		103		70-130	2		30
Dichlorodifluoromethane	93		88		30-146	6		30
Acetone	84		84		54-140	0		30
Carbon disulfide	103		99		59-130	4		30
2-Butanone	104		96		70-130	8		30
4-Methyl-2-pentanone	103		100		70-130	3		30
2-Hexanone	94		90		70-130	4		30
Bromochloromethane	107		106		70-130	1		30
1,2-Dibromoethane	105		104		70-130	1		30
n-Butylbenzene	109		102		70-130	7		30
sec-Butylbenzene	107		100		70-130	7		30
tert-Butylbenzene	104		99		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926113
Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07,12 Batch: WG1249922-3 WG1249922-4								
1,2-Dibromo-3-chloropropane	96		92		68-130	4		30
Isopropylbenzene	107		100		70-130	7		30
p-Isopropyltoluene	106		100		70-130	6		30
Naphthalene	105		103		70-130	2		30
n-Propylbenzene	107		100		70-130	7		30
1,2,3-Trichlorobenzene	104		100		70-130	4		30
1,2,4-Trichlorobenzene	107		104		70-130	3		30
1,3,5-Trimethylbenzene	106		100		70-130	6		30
1,2,4-Trimethylbenzene	105		99		70-130	6		30
Methyl Acetate	100		97		51-146	3		30
Cyclohexane	106		100		59-142	6		30
1,4-Dioxane	105		100		65-136	5		30
Freon-113	99		97		50-139	2		30
Methyl cyclohexane	108		105		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	90		89		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	102		99		70-130
Dibromofluoromethane	97		97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926113
Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-06 Batch: WG1249925-3 WG1249925-4								
Methylene chloride	90		87		70-130	3		30
1,1-Dichloroethane	97		96		70-130	1		30
Chloroform	97		94		70-130	3		30
Carbon tetrachloride	96		92		70-130	4		30
1,2-Dichloropropane	102		99		70-130	3		30
Dibromochloromethane	99		96		70-130	3		30
1,1,2-Trichloroethane	108		105		70-130	3		30
Tetrachloroethene	103		99		70-130	4		30
Chlorobenzene	99		98		70-130	1		30
Trichlorofluoromethane	92		89		70-139	3		30
1,2-Dichloroethane	89		88		70-130	1		30
1,1,1-Trichloroethane	97		93		70-130	4		30
Bromodichloromethane	100		98		70-130	2		30
trans-1,3-Dichloropropene	104		102		70-130	2		30
cis-1,3-Dichloropropene	108		105		70-130	3		30
Bromoform	105		99		70-130	6		30
1,1,2,2-Tetrachloroethane	108		102		70-130	6		30
Benzene	103		100		70-130	3		30
Toluene	101		98		70-130	3		30
Ethylbenzene	101		98		70-130	3		30
Chloromethane	92		87		52-130	6		30
Bromomethane	100		93		57-147	7		30
Vinyl chloride	98		93		67-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926113
Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-06 Batch: WG1249925-3 WG1249925-4								
Chloroethane	103		102		50-151	1		30
1,1-Dichloroethene	107		102		65-135	5		30
trans-1,2-Dichloroethene	104		100		70-130	4		30
Trichloroethene	102		99		70-130	3		30
1,2-Dichlorobenzene	101		97		70-130	4		30
1,3-Dichlorobenzene	102		98		70-130	4		30
1,4-Dichlorobenzene	101		98		70-130	3		30
Methyl tert butyl ether	99		97		66-130	2		30
p/m-Xylene	103		100		70-130	3		30
o-Xylene	103		100		70-130	3		30
cis-1,2-Dichloroethene	104		101		70-130	3		30
Styrene	105		103		70-130	2		30
Dichlorodifluoromethane	93		88		30-146	6		30
Acetone	84		84		54-140	0		30
Carbon disulfide	103		99		59-130	4		30
2-Butanone	104		96		70-130	8		30
4-Methyl-2-pentanone	103		100		70-130	3		30
2-Hexanone	94		90		70-130	4		30
Bromochloromethane	107		106		70-130	1		30
1,2-Dibromoethane	105		104		70-130	1		30
n-Butylbenzene	109		102		70-130	7		30
sec-Butylbenzene	107		100		70-130	7		30
tert-Butylbenzene	104		99		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926113
Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03-06 Batch: WG1249925-3 WG1249925-4								
1,2-Dibromo-3-chloropropane	96		92		68-130	4		30
Isopropylbenzene	107		100		70-130	7		30
p-Isopropyltoluene	106		100		70-130	6		30
Naphthalene	105		103		70-130	2		30
n-Propylbenzene	107		100		70-130	7		30
1,2,3-Trichlorobenzene	104		100		70-130	4		30
1,2,4-Trichlorobenzene	107		104		70-130	3		30
1,3,5-Trimethylbenzene	106		100		70-130	6		30
1,2,4-Trimethylbenzene	105		99		70-130	6		30
Methyl Acetate	100		97		51-146	3		30
Cyclohexane	106		100		59-142	6		30
1,4-Dioxane	105		100		65-136	5		30
Freon-113	99		97		50-139	2		30
Methyl cyclohexane	108		105		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	90		89		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	102		99		70-130
Dibromofluoromethane	97		97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926113
Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-09 Batch: WG1249945-3 WG1249945-4								
Methylene chloride	88		83		70-130	6		30
1,1-Dichloroethane	102		97		70-130	5		30
Chloroform	103		96		70-130	7		30
Carbon tetrachloride	98		90		70-130	9		30
1,2-Dichloropropane	101		98		70-130	3		30
Dibromochloromethane	91		89		70-130	2		30
1,1,2-Trichloroethane	106		104		70-130	2		30
Tetrachloroethene	103		95		70-130	8		30
Chlorobenzene	106		102		70-130	4		30
Trichlorofluoromethane	129		112		70-139	14		30
1,2-Dichloroethane	97		93		70-130	4		30
1,1,1-Trichloroethane	101		93		70-130	8		30
Bromodichloromethane	98		94		70-130	4		30
trans-1,3-Dichloropropene	99		96		70-130	3		30
cis-1,3-Dichloropropene	96		93		70-130	3		30
Bromoform	87		86		70-130	1		30
1,1,2,2-Tetrachloroethane	105		106		70-130	1		30
Benzene	102		96		70-130	6		30
Toluene	106		102		70-130	4		30
Ethylbenzene	109		104		70-130	5		30
Chloromethane	94		89		52-130	5		30
Bromomethane	114		108		57-147	5		30
Vinyl chloride	115		105		67-130	9		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926113
Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-09 Batch: WG1249945-3 WG1249945-4								
Chloroethane	132		114		50-151	15		30
1,1-Dichloroethene	96		89		65-135	8		30
trans-1,2-Dichloroethene	96		88		70-130	9		30
Trichloroethene	107		99		70-130	8		30
1,2-Dichlorobenzene	104		102		70-130	2		30
1,3-Dichlorobenzene	106		102		70-130	4		30
1,4-Dichlorobenzene	105		102		70-130	3		30
Methyl tert butyl ether	81		80		66-130	1		30
p/m-Xylene	110		104		70-130	6		30
o-Xylene	109		104		70-130	5		30
cis-1,2-Dichloroethene	97		91		70-130	6		30
Styrene	108		105		70-130	3		30
Dichlorodifluoromethane	78		70		30-146	11		30
Acetone	80		76		54-140	5		30
Carbon disulfide	92		84		59-130	9		30
2-Butanone	79		**69**	Q	70-130	14		30
4-Methyl-2-pentanone	83		84		70-130	1		30
2-Hexanone	77		78		70-130	1		30
Bromochloromethane	91		88		70-130	3		30
1,2-Dibromoethane	94		94		70-130	0		30
n-Butylbenzene	124		116		70-130	7		30
sec-Butylbenzene	117		111		70-130	5		30
tert-Butylbenzene	111		106		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926113
Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-09 Batch: WG1249945-3 WG1249945-4								
1,2-Dibromo-3-chloropropane	81		78		68-130	4		30
Isopropylbenzene	111		106		70-130	5		30
p-Isopropyltoluene	114		107		70-130	6		30
Naphthalene	86		87		70-130	1		30
n-Propylbenzene	119		113		70-130	5		30
1,2,3-Trichlorobenzene	99		97		70-130	2		30
1,2,4-Trichlorobenzene	102		98		70-130	4		30
1,3,5-Trimethylbenzene	114		108		70-130	5		30
1,2,4-Trimethylbenzene	113		108		70-130	5		30
Methyl Acetate	78		75		51-146	4		30
Cyclohexane	107		99		59-142	8		30
1,4-Dioxane	85		85		65-136	0		30
Freon-113	103		95		50-139	8		30
Methyl cyclohexane	106		96		70-130	10		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		103		70-130
Toluene-d8	105		106		70-130
4-Bromofluorobenzene	100		101		70-130
Dibromofluoromethane	98		95		70-130

SEMIVOLATILES

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-01 D
Client ID: S-1
Sample Location: 1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY

Date Collected: 06/17/19 08:50
Date Received: 06/17/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/19/19 14:25
Analyst: CB
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 06/18/19 16:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	15000	J	ug/kg	24000	3100	50
1,2,4-Trichlorobenzene	ND		ug/kg	30000	3400	50
Hexachlorobenzene	ND		ug/kg	18000	3400	50
Bis(2-chloroethyl)ether	ND		ug/kg	27000	4100	50
2-Chloronaphthalene	ND		ug/kg	30000	3000	50
1,2-Dichlorobenzene	ND		ug/kg	30000	5400	50
1,3-Dichlorobenzene	ND		ug/kg	30000	5200	50
1,4-Dichlorobenzene	ND		ug/kg	30000	5300	50
3,3'-Dichlorobenzidine	ND		ug/kg	30000	8000	50
2,4-Dinitrotoluene	ND		ug/kg	30000	6000	50
2,6-Dinitrotoluene	ND		ug/kg	30000	5200	50
Fluoranthene	50000		ug/kg	18000	3500	50
4-Chlorophenyl phenyl ether	ND		ug/kg	30000	3200	50
4-Bromophenyl phenyl ether	ND		ug/kg	30000	4600	50
Bis(2-chloroisopropyl)ether	ND		ug/kg	36000	5200	50
Bis(2-chloroethoxy)methane	ND		ug/kg	32000	3000	50
Hexachlorobutadiene	ND		ug/kg	30000	4400	50
Hexachlorocyclopentadiene	ND		ug/kg	86000	27000	50
Hexachloroethane	ND		ug/kg	24000	4900	50
Isophorone	ND		ug/kg	27000	3900	50
Naphthalene	ND		ug/kg	30000	3700	50
Nitrobenzene	ND		ug/kg	27000	4500	50
NDPA/DPA	ND		ug/kg	24000	3400	50
n-Nitrosodi-n-propylamine	ND		ug/kg	30000	4600	50
Bis(2-ethylhexyl)phthalate	59000		ug/kg	30000	10000	50
Butyl benzyl phthalate	ND		ug/kg	30000	7600	50
Di-n-butylphthalate	ND		ug/kg	30000	5700	50
Di-n-octylphthalate	ND		ug/kg	30000	10000	50

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-01 D Date Collected: 06/17/19 08:50

Client ID: S-1 Date Received: 06/17/19

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

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	30000	2800	50
Dimethyl phthalate	ND		ug/kg	30000	6300	50
Benzo(a)anthracene	13000	J	ug/kg	18000	3400	50
Benzo(a)pyrene	9200	J	ug/kg	24000	7400	50
Benzo(b)fluoranthene	21000		ug/kg	18000	5100	50
Benzo(k)fluoranthene	6000	J	ug/kg	18000	4800	50
Chrysene	22000		ug/kg	18000	3100	50
Acenaphthylene	ND		ug/kg	24000	4600	50
Anthracene	17000	J	ug/kg	18000	5900	50
Benzo(ghi)perylene	8300	J	ug/kg	24000	3500	50
Fluorene	30000		ug/kg	30000	2900	50
Phenanthrene	180000		ug/kg	18000	3700	50
Dibenzo(a,h)anthracene	ND		ug/kg	18000	3500	50
Indeno(1,2,3-cd)pyrene	9500	J	ug/kg	24000	4200	50
Pyrene	62000		ug/kg	18000	3000	50
Biphenyl	ND		ug/kg	69000	7000	50
4-Chloroaniline	ND		ug/kg	30000	5500	50
2-Nitroaniline	ND		ug/kg	30000	5800	50
3-Nitroaniline	ND		ug/kg	30000	5700	50
4-Nitroaniline	ND		ug/kg	30000	12000	50
Dibenzofuran	4800	J	ug/kg	30000	2800	50
2-Methylnaphthalene	ND		ug/kg	36000	3600	50
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	30000	3100	50
Acetophenone	ND		ug/kg	30000	3700	50
2,4,6-Trichlorophenol	ND		ug/kg	18000	5700	50
p-Chloro-m-cresol	ND		ug/kg	30000	4500	50
2-Chlorophenol	ND		ug/kg	30000	3600	50
2,4-Dichlorophenol	ND		ug/kg	27000	4800	50
2,4-Dimethylphenol	ND		ug/kg	30000	10000	50
2-Nitrophenol	ND		ug/kg	65000	11000	50
4-Nitrophenol	ND		ug/kg	42000	12000	50
2,4-Dinitrophenol	ND		ug/kg	140000	14000	50
4,6-Dinitro-o-cresol	ND		ug/kg	78000	14000	50
Pentachlorophenol	ND		ug/kg	24000	6600	50
Phenol	ND		ug/kg	30000	4600	50
2-Methylphenol	ND		ug/kg	30000	4700	50
3-Methylphenol/4-Methylphenol	ND		ug/kg	43000	4700	50

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-01 D Date Collected: 06/17/19 08:50

Client ID: S-1 Date Received: 06/17/19

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

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	30000	5800	50
Benzoic Acid	ND		ug/kg	98000	30000	50
Benzyl Alcohol	ND		ug/kg	30000	9200	50
Carbazole	ND		ug/kg	30000	2900	50
1,4-Dioxane	ND		ug/kg	4500	1400	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**0**	Q	25-120
Phenol-d6	**0**	Q	10-120
Nitrobenzene-d5	**0**	Q	23-120
2-Fluorobiphenyl	**0**	Q	30-120
2,4,6-Tribromophenol	**0**	Q	10-136
4-Terphenyl-d14	**0**	Q	18-120

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-02 D
Client ID: S-2
Sample Location: 1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY

Date Collected: 06/17/19 08:55
Date Received: 06/17/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/18/19 16:33
Analyst: SZ
Percent Solids: 70%

Extraction Method: EPA 3546
Extraction Date: 06/18/19 05:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	11000		ug/kg	7500	970	40
1,2,4-Trichlorobenzene	ND		ug/kg	9400	1100	40
Hexachlorobenzene	ND		ug/kg	5600	1000	40
Bis(2-chloroethyl)ether	ND		ug/kg	8500	1300	40
2-Chloronaphthalene	ND		ug/kg	9400	930	40
1,2-Dichlorobenzene	ND		ug/kg	9400	1700	40
1,3-Dichlorobenzene	ND		ug/kg	9400	1600	40
1,4-Dichlorobenzene	ND		ug/kg	9400	1600	40
3,3'-Dichlorobenzidine	ND		ug/kg	9400	2500	40
2,4-Dinitrotoluene	ND		ug/kg	9400	1900	40
2,6-Dinitrotoluene	ND		ug/kg	9400	1600	40
Fluoranthene	310000		ug/kg	5600	1100	40
4-Chlorophenyl phenyl ether	ND		ug/kg	9400	1000	40
4-Bromophenyl phenyl ether	ND		ug/kg	9400	1400	40
Bis(2-chloroisopropyl)ether	ND		ug/kg	11000	1600	40
Bis(2-chloroethoxy)methane	ND		ug/kg	10000	940	40
Hexachlorobutadiene	ND		ug/kg	9400	1400	40
Hexachlorocyclopentadiene	ND		ug/kg	27000	8500	40
Hexachloroethane	ND		ug/kg	7500	1500	40
Isophorone	ND		ug/kg	8500	1200	40
Naphthalene	3900	J	ug/kg	9400	1100	40
Nitrobenzene	ND		ug/kg	8500	1400	40
NDPA/DPA	ND		ug/kg	7500	1100	40
n-Nitrosodi-n-propylamine	ND		ug/kg	9400	1400	40
Bis(2-ethylhexyl)phthalate	11000		ug/kg	9400	3200	40
Butyl benzyl phthalate	ND		ug/kg	9400	2400	40
Di-n-butylphthalate	2000	J	ug/kg	9400	1800	40
Di-n-octylphthalate	ND		ug/kg	9400	3200	40

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-02 D Date Collected: 06/17/19 08:55

Client ID: S-2 Date Received: 06/17/19

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

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	9400	870	40
Dimethyl phthalate	ND		ug/kg	9400	2000	40
Benzo(a)anthracene	180000		ug/kg	5600	1000	40
Benzo(a)pyrene	200000		ug/kg	7500	2300	40
Benzo(b)fluoranthene	270000		ug/kg	5600	1600	40
Benzo(k)fluoranthene	88000		ug/kg	5600	1500	40
Chrysene	190000		ug/kg	5600	980	40
Acenaphthylene	18000		ug/kg	7500	1400	40
Anthracene	59000		ug/kg	5600	1800	40
Benzo(ghi)perylene	180000		ug/kg	7500	1100	40
Fluorene	14000		ug/kg	9400	910	40
Phenanthrene	210000		ug/kg	5600	1100	40
Dibenzo(a,h)anthracene	32000		ug/kg	5600	1100	40
Indeno(1,2,3-cd)pyrene	170000		ug/kg	7500	1300	40
Pyrene	260000		ug/kg	5600	940	40
Biphenyl	ND		ug/kg	21000	2200	40
4-Chloroaniline	ND		ug/kg	9400	1700	40
2-Nitroaniline	ND		ug/kg	9400	1800	40
3-Nitroaniline	ND		ug/kg	9400	1800	40
4-Nitroaniline	ND		ug/kg	9400	3900	40
Dibenzofuran	10000		ug/kg	9400	890	40
2-Methylnaphthalene	2200	J	ug/kg	11000	1100	40
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	9400	980	40
Acetophenone	ND		ug/kg	9400	1200	40
2,4,6-Trichlorophenol	ND		ug/kg	5600	1800	40
p-Chloro-m-cresol	ND		ug/kg	9400	1400	40
2-Chlorophenol	ND		ug/kg	9400	1100	40
2,4-Dichlorophenol	ND		ug/kg	8500	1500	40
2,4-Dimethylphenol	ND		ug/kg	9400	3100	40
2-Nitrophenol	ND		ug/kg	20000	3500	40
4-Nitrophenol	ND		ug/kg	13000	3800	40
2,4-Dinitrophenol	ND		ug/kg	45000	4400	40
4,6-Dinitro-o-cresol	ND		ug/kg	24000	4500	40
Pentachlorophenol	ND		ug/kg	7500	2100	40
Phenol	ND		ug/kg	9400	1400	40
2-Methylphenol	ND		ug/kg	9400	1400	40
3-Methylphenol/4-Methylphenol	ND		ug/kg	14000	1500	40

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-02 D Date Collected: 06/17/19 08:55

Client ID: S-2 Date Received: 06/17/19

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

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	9400	1800	40
Benzoic Acid	ND		ug/kg	30000	9500	40
Benzyl Alcohol	ND		ug/kg	9400	2900	40
Carbazole	49000		ug/kg	9400	910	40
1,4-Dioxane	ND		ug/kg	1400	430	40

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**0**	Q	25-120
Phenol-d6	**0**	Q	10-120
Nitrobenzene-d5	**0**	Q	23-120
2-Fluorobiphenyl	**0**	Q	30-120
2,4,6-Tribromophenol	**0**	Q	10-136
4-Terphenyl-d14	**0**	Q	18-120

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-03 D
Client ID: S-3
Sample Location: 1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY

Date Collected: 06/17/19 09:05
Date Received: 06/17/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/19/19 14:52
Analyst: CB
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 06/18/19 16:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	28000	3700	70
1,2,4-Trichlorobenzene	ND		ug/kg	36000	4100	70
Hexachlorobenzene	ND		ug/kg	21000	4000	70
Bis(2-chloroethyl)ether	ND		ug/kg	32000	4800	70
2-Chloronaphthalene	ND		ug/kg	36000	3500	70
1,2-Dichlorobenzene	ND		ug/kg	36000	6400	70
1,3-Dichlorobenzene	ND		ug/kg	36000	6100	70
1,4-Dichlorobenzene	ND		ug/kg	36000	6200	70
3,3'-Dichlorobenzidine	ND		ug/kg	36000	9400	70
2,4-Dinitrotoluene	ND		ug/kg	36000	7100	70
2,6-Dinitrotoluene	ND		ug/kg	36000	6100	70
Fluoranthene	7300	J	ug/kg	21000	4100	70
4-Chlorophenyl phenyl ether	ND		ug/kg	36000	3800	70
4-Bromophenyl phenyl ether	ND		ug/kg	36000	5400	70
Bis(2-chloroisopropyl)ether	ND		ug/kg	43000	6100	70
Bis(2-chloroethoxy)methane	ND		ug/kg	38000	3600	70
Hexachlorobutadiene	ND		ug/kg	36000	5200	70
Hexachlorocyclopentadiene	ND		ug/kg	100000	32000	70
Hexachloroethane	ND		ug/kg	28000	5700	70
Isophorone	ND		ug/kg	32000	4600	70
Naphthalene	ND		ug/kg	36000	4300	70
Nitrobenzene	ND		ug/kg	32000	5200	70
NDPA/DPA	ND		ug/kg	28000	4000	70
n-Nitrosodi-n-propylamine	ND		ug/kg	36000	5500	70
Bis(2-ethylhexyl)phthalate	79000		ug/kg	36000	12000	70
Butyl benzyl phthalate	ND		ug/kg	36000	9000	70
Di-n-butylphthalate	ND		ug/kg	36000	6700	70
Di-n-octylphthalate	ND		ug/kg	36000	12000	70

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-03 D Date Collected: 06/17/19 09:05

Client ID: S-3 Date Received: 06/17/19

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

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	36000	3300	70
Dimethyl phthalate	ND		ug/kg	36000	7500	70
Benzo(a)anthracene	ND		ug/kg	21000	4000	70
Benzo(a)pyrene	ND		ug/kg	28000	8700	70
Benzo(b)fluoranthene	ND		ug/kg	21000	6000	70
Benzo(k)fluoranthene	ND		ug/kg	21000	5700	70
Chrysene	ND		ug/kg	21000	3700	70
Acenaphthylene	ND		ug/kg	28000	5500	70
Anthracene	ND		ug/kg	21000	6900	70
Benzo(ghi)perylene	ND		ug/kg	28000	4200	70
Fluorene	ND		ug/kg	36000	3400	70
Phenanthrene	9100	J	ug/kg	21000	4300	70
Dibenzo(a,h)anthracene	ND		ug/kg	21000	4100	70
Indeno(1,2,3-cd)pyrene	ND		ug/kg	28000	5000	70
Pyrene	5000	J	ug/kg	21000	3500	70
Biphenyl	ND		ug/kg	81000	8200	70
4-Chloroaniline	ND		ug/kg	36000	6500	70
2-Nitroaniline	ND		ug/kg	36000	6800	70
3-Nitroaniline	ND		ug/kg	36000	6700	70
4-Nitroaniline	ND		ug/kg	36000	15000	70
Dibenzofuran	ND		ug/kg	36000	3400	70
2-Methylnaphthalene	ND		ug/kg	43000	4300	70
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	36000	3700	70
Acetophenone	ND		ug/kg	36000	4400	70
2,4,6-Trichlorophenol	ND		ug/kg	21000	6700	70
p-Chloro-m-cresol	ND		ug/kg	36000	5300	70
2-Chlorophenol	ND		ug/kg	36000	4200	70
2,4-Dichlorophenol	ND		ug/kg	32000	5700	70
2,4-Dimethylphenol	ND		ug/kg	36000	12000	70
2-Nitrophenol	ND		ug/kg	77000	13000	70
4-Nitrophenol	ND		ug/kg	50000	14000	70
2,4-Dinitrophenol	ND		ug/kg	170000	16000	70
4,6-Dinitro-o-cresol	ND		ug/kg	92000	17000	70
Pentachlorophenol	ND		ug/kg	28000	7800	70
Phenol	ND		ug/kg	36000	5400	70
2-Methylphenol	ND		ug/kg	36000	5500	70
3-Methylphenol/4-Methylphenol	ND		ug/kg	51000	5600	70

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-03 D Date Collected: 06/17/19 09:05

Client ID: S-3 Date Received: 06/17/19

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

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	36000	6800	70
Benzoic Acid	ND		ug/kg	120000	36000	70
Benzyl Alcohol	ND		ug/kg	36000	11000	70
Carbazole	ND		ug/kg	36000	3400	70
1,4-Dioxane	ND		ug/kg	5300	1600	70

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**0**	Q	25-120
Phenol-d6	**0**	Q	10-120
Nitrobenzene-d5	**0**	Q	23-120
2-Fluorobiphenyl	**0**	Q	30-120
2,4,6-Tribromophenol	**0**	Q	10-136
4-Terphenyl-d14	**0**	Q	18-120

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-04 D
Client ID: S-4
Sample Location: 1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY

Date Collected: 06/17/19 09:25
Date Received: 06/17/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/18/19 15:42
Analyst: SZ
Percent Solids: 70%

Extraction Method: EPA 3546
Extraction Date: 06/18/19 05:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	6600	860	35
1,2,4-Trichlorobenzene	ND		ug/kg	8300	950	35
Hexachlorobenzene	ND		ug/kg	5000	930	35
Bis(2-chloroethyl)ether	ND		ug/kg	7400	1100	35
2-Chloronaphthalene	ND		ug/kg	8300	820	35
1,2-Dichlorobenzene	ND		ug/kg	8300	1500	35
1,3-Dichlorobenzene	ND		ug/kg	8300	1400	35
1,4-Dichlorobenzene	ND		ug/kg	8300	1400	35
3,3'-Dichlorobenzidine	ND		ug/kg	8300	2200	35
2,4-Dinitrotoluene	ND		ug/kg	8300	1600	35
2,6-Dinitrotoluene	ND		ug/kg	8300	1400	35
Fluoranthene	ND		ug/kg	5000	950	35
4-Chlorophenyl phenyl ether	ND		ug/kg	8300	890	35
4-Bromophenyl phenyl ether	ND		ug/kg	8300	1300	35
Bis(2-chloroisopropyl)ether	ND		ug/kg	9900	1400	35
Bis(2-chloroethoxy)methane	ND		ug/kg	8900	830	35
Hexachlorobutadiene	ND		ug/kg	8300	1200	35
Hexachlorocyclopentadiene	ND		ug/kg	24000	7500	35
Hexachloroethane	ND		ug/kg	6600	1300	35
Isophorone	ND		ug/kg	7400	1100	35
Naphthalene	ND		ug/kg	8300	1000	35
Nitrobenzene	ND		ug/kg	7400	1200	35
NDPA/DPA	ND		ug/kg	6600	940	35
n-Nitrosodi-n-propylamine	ND		ug/kg	8300	1300	35
Bis(2-ethylhexyl)phthalate	ND		ug/kg	8300	2900	35
Butyl benzyl phthalate	ND		ug/kg	8300	2100	35
Di-n-butylphthalate	ND		ug/kg	8300	1600	35
Di-n-octylphthalate	ND		ug/kg	8300	2800	35

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-04 D Date Collected: 06/17/19 09:25

Client ID: S-4 Date Received: 06/17/19

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

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	8300	770	35
Dimethyl phthalate	ND		ug/kg	8300	1700	35
Benzo(a)anthracene	ND		ug/kg	5000	930	35
Benzo(a)pyrene	ND		ug/kg	6600	2000	35
Benzo(b)fluoranthene	ND		ug/kg	5000	1400	35
Benzo(k)fluoranthene	ND		ug/kg	5000	1300	35
Chrysene	ND		ug/kg	5000	860	35
Acenaphthylene	ND		ug/kg	6600	1300	35
Anthracene	ND		ug/kg	5000	1600	35
Benzo(ghi)perylene	ND		ug/kg	6600	970	35
Fluorene	ND		ug/kg	8300	800	35
Phenanthrene	1600	J	ug/kg	5000	1000	35
Dibenzo(a,h)anthracene	ND		ug/kg	5000	960	35
Indeno(1,2,3-cd)pyrene	ND		ug/kg	6600	1200	35
Pyrene	ND		ug/kg	5000	820	35
Biphenyl	ND		ug/kg	19000	1900	35
4-Chloroaniline	ND		ug/kg	8300	1500	35
2-Nitroaniline	ND		ug/kg	8300	1600	35
3-Nitroaniline	ND		ug/kg	8300	1600	35
4-Nitroaniline	ND		ug/kg	8300	3400	35
Dibenzofuran	ND		ug/kg	8300	780	35
2-Methylnaphthalene	ND		ug/kg	9900	1000	35
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	8300	860	35
Acetophenone	ND		ug/kg	8300	1000	35
2,4,6-Trichlorophenol	ND		ug/kg	5000	1600	35
p-Chloro-m-cresol	ND		ug/kg	8300	1200	35
2-Chlorophenol	ND		ug/kg	8300	980	35
2,4-Dichlorophenol	ND		ug/kg	7400	1300	35
2,4-Dimethylphenol	ND		ug/kg	8300	2700	35
2-Nitrophenol	ND		ug/kg	18000	3100	35
4-Nitrophenol	ND		ug/kg	12000	3400	35
2,4-Dinitrophenol	ND		ug/kg	40000	3900	35
4,6-Dinitro-o-cresol	ND		ug/kg	22000	4000	35
Pentachlorophenol	ND		ug/kg	6600	1800	35
Phenol	ND		ug/kg	8300	1200	35
2-Methylphenol	ND		ug/kg	8300	1300	35
3-Methylphenol/4-Methylphenol	ND		ug/kg	12000	1300	35

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-04 D Date Collected: 06/17/19 09:25

Client ID: S-4 Date Received: 06/17/19

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

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	8300	1600	35
Benzoic Acid	ND		ug/kg	27000	8400	35
Benzyl Alcohol	ND		ug/kg	8300	2500	35
Carbazole	ND		ug/kg	8300	800	35
1,4-Dioxane	ND		ug/kg	1200	380	35

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**0**	Q	25-120
Phenol-d6	**0**	Q	10-120
Nitrobenzene-d5	**0**	Q	23-120
2-Fluorobiphenyl	**0**	Q	30-120
2,4,6-Tribromophenol	**0**	Q	10-136
4-Terphenyl-d14	**0**	Q	18-120

Project Name: HVP-CASTLETON
Project Number: 19009EGP
Lab Number: L1926113
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1926113-05 D
Client ID: S-5
Sample Location: 1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY

Date Collected: 06/17/19 10:05
Date Received: 06/17/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/18/19 16:07
Analyst: SZ
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 06/18/19 05:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	5900	760	40
1,2,4-Trichlorobenzene	ND		ug/kg	7300	840	40
Hexachlorobenzene	ND		ug/kg	4400	820	40
Bis(2-chloroethyl)ether	ND		ug/kg	6600	990	40
2-Chloronaphthalene	ND		ug/kg	7300	730	40
1,2-Dichlorobenzene	ND		ug/kg	7300	1300	40
1,3-Dichlorobenzene	ND		ug/kg	7300	1300	40
1,4-Dichlorobenzene	ND		ug/kg	7300	1300	40
3,3'-Dichlorobenzidine	ND		ug/kg	7300	2000	40
2,4-Dinitrotoluene	ND		ug/kg	7300	1500	40
2,6-Dinitrotoluene	ND		ug/kg	7300	1200	40
Fluoranthene	ND		ug/kg	4400	840	40
4-Chlorophenyl phenyl ether	ND		ug/kg	7300	780	40
4-Bromophenyl phenyl ether	ND		ug/kg	7300	1100	40
Bis(2-chloroisopropyl)ether	ND		ug/kg	8800	1200	40
Bis(2-chloroethoxy)methane	ND		ug/kg	7900	740	40
Hexachlorobutadiene	ND		ug/kg	7300	1100	40
Hexachlorocyclopentadiene	ND		ug/kg	21000	6600	40
Hexachloroethane	ND		ug/kg	5900	1200	40
Isophorone	ND		ug/kg	6600	950	40
Naphthalene	ND		ug/kg	7300	890	40
Nitrobenzene	ND		ug/kg	6600	1100	40
NDPA/DPA	ND		ug/kg	5900	830	40
n-Nitrosodi-n-propylamine	ND		ug/kg	7300	1100	40
Bis(2-ethylhexyl)phthalate	ND		ug/kg	7300	2500	40
Butyl benzyl phthalate	ND		ug/kg	7300	1800	40
Di-n-butylphthalate	ND		ug/kg	7300	1400	40
Di-n-octylphthalate	ND		ug/kg	7300	2500	40

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-05 D Date Collected: 06/17/19 10:05

Client ID: S-5 Date Received: 06/17/19

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

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	7300	680	40
Dimethyl phthalate	ND		ug/kg	7300	1500	40
Benzo(a)anthracene	ND		ug/kg	4400	830	40
Benzo(a)pyrene	ND		ug/kg	5900	1800	40
Benzo(b)fluoranthene	ND		ug/kg	4400	1200	40
Benzo(k)fluoranthene	ND		ug/kg	4400	1200	40
Chrysene	ND		ug/kg	4400	760	40
Acenaphthylene	ND		ug/kg	5900	1100	40
Anthracene	ND		ug/kg	4400	1400	40
Benzo(ghi)perylene	ND		ug/kg	5900	860	40
Fluorene	ND		ug/kg	7300	710	40
Phenanthrene	ND		ug/kg	4400	890	40
Dibenzo(a,h)anthracene	ND		ug/kg	4400	850	40
Indeno(1,2,3-cd)pyrene	ND		ug/kg	5900	1000	40
Pyrene	1800	J	ug/kg	4400	730	40
Biphenyl	ND		ug/kg	17000	1700	40
4-Chloroaniline	ND		ug/kg	7300	1300	40
2-Nitroaniline	ND		ug/kg	7300	1400	40
3-Nitroaniline	ND		ug/kg	7300	1400	40
4-Nitroaniline	ND		ug/kg	7300	3000	40
Dibenzofuran	ND		ug/kg	7300	690	40
2-Methylnaphthalene	ND		ug/kg	8800	890	40
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	7300	760	40
Acetophenone	ND		ug/kg	7300	910	40
2,4,6-Trichlorophenol	ND		ug/kg	4400	1400	40
p-Chloro-m-cresol	ND		ug/kg	7300	1100	40
2-Chlorophenol	ND		ug/kg	7300	870	40
2,4-Dichlorophenol	ND		ug/kg	6600	1200	40
2,4-Dimethylphenol	ND		ug/kg	7300	2400	40
2-Nitrophenol	ND		ug/kg	16000	2800	40
4-Nitrophenol	ND		ug/kg	10000	3000	40
2,4-Dinitrophenol	ND		ug/kg	35000	3400	40
4,6-Dinitro-o-cresol	ND		ug/kg	19000	3500	40
Pentachlorophenol	ND		ug/kg	5900	1600	40
Phenol	ND		ug/kg	7300	1100	40
2-Methylphenol	ND		ug/kg	7300	1100	40
3-Methylphenol/4-Methylphenol	ND		ug/kg	10000	1100	40

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-05 D Date Collected: 06/17/19 10:05

Client ID: S-5 Date Received: 06/17/19

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

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	7300	1400	40
Benzoic Acid	ND		ug/kg	24000	7400	40
Benzyl Alcohol	ND		ug/kg	7300	2200	40
Carbazole	ND		ug/kg	7300	710	40
1,4-Dioxane	ND		ug/kg	1100	340	40

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**0**	Q	25-120
Phenol-d6	**0**	Q	10-120
Nitrobenzene-d5	**0**	Q	23-120
2-Fluorobiphenyl	**0**	Q	30-120
2,4,6-Tribromophenol	**0**	Q	10-136
4-Terphenyl-d14	**0**	Q	18-120

Project Name: HVP-CASTLETON
Project Number: 19009EGP
Lab Number: L1926113
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1926113-06 D
Client ID: S-6
Sample Location: 1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY

Date Collected: 06/17/19 10:10
Date Received: 06/17/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/18/19 15:07
Analyst: JG
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 06/18/19 05:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	5600	720	40
1,2,4-Trichlorobenzene	ND		ug/kg	7000	800	40
Hexachlorobenzene	ND		ug/kg	4200	780	40
Bis(2-chloroethyl)ether	ND		ug/kg	6300	950	40
2-Chloronaphthalene	ND		ug/kg	7000	690	40
1,2-Dichlorobenzene	ND		ug/kg	7000	1200	40
1,3-Dichlorobenzene	ND		ug/kg	7000	1200	40
1,4-Dichlorobenzene	ND		ug/kg	7000	1200	40
3,3'-Dichlorobenzidine	ND		ug/kg	7000	1900	40
2,4-Dinitrotoluene	ND		ug/kg	7000	1400	40
2,6-Dinitrotoluene	ND		ug/kg	7000	1200	40
Fluoranthene	ND		ug/kg	4200	800	40
4-Chlorophenyl phenyl ether	ND		ug/kg	7000	750	40
4-Bromophenyl phenyl ether	ND		ug/kg	7000	1100	40
Bis(2-chloroisopropyl)ether	ND		ug/kg	8400	1200	40
Bis(2-chloroethoxy)methane	ND		ug/kg	7600	700	40
Hexachlorobutadiene	ND		ug/kg	7000	1000	40
Hexachlorocyclopentadiene	ND		ug/kg	20000	6300	40
Hexachloroethane	ND		ug/kg	5600	1100	40
Isophorone	ND		ug/kg	6300	910	40
Naphthalene	ND		ug/kg	7000	850	40
Nitrobenzene	ND		ug/kg	6300	1000	40
NDPA/DPA	ND		ug/kg	5600	800	40
n-Nitrosodi-n-propylamine	ND		ug/kg	7000	1100	40
Bis(2-ethylhexyl)phthalate	ND		ug/kg	7000	2400	40
Butyl benzyl phthalate	ND		ug/kg	7000	1800	40
Di-n-butylphthalate	ND		ug/kg	7000	1300	40
Di-n-octylphthalate	ND		ug/kg	7000	2400	40

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-06 D Date Collected: 06/17/19 10:10

Client ID: S-6 Date Received: 06/17/19

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

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	7000	650	40
Dimethyl phthalate	ND		ug/kg	7000	1500	40
Benzo(a)anthracene	ND		ug/kg	4200	790	40
Benzo(a)pyrene	ND		ug/kg	5600	1700	40
Benzo(b)fluoranthene	ND		ug/kg	4200	1200	40
Benzo(k)fluoranthene	ND		ug/kg	4200	1100	40
Chrysene	ND		ug/kg	4200	730	40
Acenaphthylene	ND		ug/kg	5600	1100	40
Anthracene	ND		ug/kg	4200	1400	40
Benzo(ghi)perylene	ND		ug/kg	5600	820	40
Fluorene	ND		ug/kg	7000	680	40
Phenanthrene	ND		ug/kg	4200	850	40
Dibenzo(a,h)anthracene	ND		ug/kg	4200	810	40
Indeno(1,2,3-cd)pyrene	ND		ug/kg	5600	980	40
Pyrene	ND		ug/kg	4200	700	40
Biphenyl	ND		ug/kg	16000	1600	40
4-Chloroaniline	ND		ug/kg	7000	1300	40
2-Nitroaniline	ND		ug/kg	7000	1300	40
3-Nitroaniline	ND		ug/kg	7000	1300	40
4-Nitroaniline	ND		ug/kg	7000	2900	40
Dibenzofuran	ND		ug/kg	7000	660	40
2-Methylnaphthalene	ND		ug/kg	8400	840	40
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	7000	730	40
Acetophenone	ND		ug/kg	7000	870	40
2,4,6-Trichlorophenol	ND		ug/kg	4200	1300	40
p-Chloro-m-cresol	ND		ug/kg	7000	1000	40
2-Chlorophenol	ND		ug/kg	7000	830	40
2,4-Dichlorophenol	ND		ug/kg	6300	1100	40
2,4-Dimethylphenol	ND		ug/kg	7000	2300	40
2-Nitrophenol	ND		ug/kg	15000	2600	40
4-Nitrophenol	ND		ug/kg	9800	2800	40
2,4-Dinitrophenol	ND		ug/kg	34000	3300	40
4,6-Dinitro-o-cresol	ND		ug/kg	18000	3400	40
Pentachlorophenol	ND		ug/kg	5600	1500	40
Phenol	ND		ug/kg	7000	1000	40
2-Methylphenol	ND		ug/kg	7000	1100	40
3-Methylphenol/4-Methylphenol	ND		ug/kg	10000	1100	40

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-06 D Date Collected: 06/17/19 10:10

Client ID: S-6 Date Received: 06/17/19

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

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	7000	1300	40
Benzoic Acid	ND		ug/kg	23000	7100	40
Benzyl Alcohol	ND		ug/kg	7000	2100	40
Carbazole	ND		ug/kg	7000	680	40
1,4-Dioxane	ND		ug/kg	1000	320	40

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**0**	Q	25-120
Phenol-d6	**0**	Q	10-120
Nitrobenzene-d5	**0**	Q	23-120
2-Fluorobiphenyl	**0**	Q	30-120
2,4,6-Tribromophenol	**0**	Q	10-136
4-Terphenyl-d14	**0**	Q	18-120

Project Name: HVP-CASTLETON
Project Number: 19009EGP
Lab Number: L1926113
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1926113-07
Client ID: B-1 (0-2.5')
Sample Location: 1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY

Date Collected: 06/17/19 10:45
Date Received: 06/17/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/18/19 14:25
Analyst: SZ
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 06/18/19 05:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	44	J	ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	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	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	620		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	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	67	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	560		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-07 Date Collected: 06/17/19 10:45

Client ID: B-1 (0-2.5') Date Received: 06/17/19

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

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	340		ug/kg	110	21.	1
Benzo(a)pyrene	270		ug/kg	150	46.	1
Benzo(b)fluoranthene	350		ug/kg	110	32.	1
Benzo(k)fluoranthene	120		ug/kg	110	30.	1
Chrysene	310		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	130		ug/kg	110	37.	1
Benzo(ghi)perylene	150		ug/kg	150	22.	1
Fluorene	61	J	ug/kg	190	18.	1
Phenanthrene	520		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	42	J	ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	170		ug/kg	150	26.	1
Pyrene	510		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	44.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	43	J	ug/kg	190	18.	1
2-Methylnaphthalene	61	J	ug/kg	220	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	900	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-07 Date Collected: 06/17/19 10:45

Client ID: B-1 (0-2.5') Date Received: 06/17/19

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

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	57.	1
Carbazole	57	J	ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	73		10-136
4-Terphenyl-d14	69		18-120

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-08
Client ID: S-7
Sample Location: 1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY

Date Collected: 06/17/19 11:10
Date Received: 06/17/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/18/19 14:50
Analyst: SZ
Percent Solids: 72%

Extraction Method: EPA 3546
Extraction Date: 06/18/19 05:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	180	23.	1
1,2,4-Trichlorobenzene	ND		ug/kg	220	26.	1
Hexachlorobenzene	ND		ug/kg	140	25.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	31.	1
2-Chloronaphthalene	ND		ug/kg	220	22.	1
1,2-Dichlorobenzene	ND		ug/kg	220	40.	1
1,3-Dichlorobenzene	ND		ug/kg	220	39.	1
1,4-Dichlorobenzene	ND		ug/kg	220	39.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	60.	1
2,4-Dinitrotoluene	ND		ug/kg	220	45.	1
2,6-Dinitrotoluene	ND		ug/kg	220	39.	1
Fluoranthene	280		ug/kg	140	26.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	24.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	34.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	270	38.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	240	23.	1
Hexachlorobutadiene	ND		ug/kg	220	33.	1
Hexachlorocyclopentadiene	ND		ug/kg	650	200	1
Hexachloroethane	ND		ug/kg	180	36.	1
Isophorone	ND		ug/kg	200	29.	1
Naphthalene	77	J	ug/kg	220	28.	1
Nitrobenzene	ND		ug/kg	200	33.	1
NDPA/DPA	ND		ug/kg	180	26.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	35.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	220	78.	1
Butyl benzyl phthalate	ND		ug/kg	220	57.	1
Di-n-butylphthalate	ND		ug/kg	220	43.	1
Di-n-octylphthalate	ND		ug/kg	220	77.	1

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-08 Date Collected: 06/17/19 11:10

Client ID: S-7 Date Received: 06/17/19

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

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	220	21.	1
Dimethyl phthalate	ND		ug/kg	220	47.	1
Benzo(a)anthracene	130	J	ug/kg	140	25.	1
Benzo(a)pyrene	110	J	ug/kg	180	55.	1
Benzo(b)fluoranthene	170		ug/kg	140	38.	1
Benzo(k)fluoranthene	39	J	ug/kg	140	36.	1
Chrysene	120	J	ug/kg	140	23.	1
Acenaphthylene	ND		ug/kg	180	35.	1
Anthracene	ND		ug/kg	140	44.	1
Benzo(ghi)perylene	81	J	ug/kg	180	26.	1
Fluorene	24	J	ug/kg	220	22.	1
Phenanthrene	230		ug/kg	140	27.	1
Dibenzo(a,h)anthracene	ND		ug/kg	140	26.	1
Indeno(1,2,3-cd)pyrene	83	J	ug/kg	180	31.	1
Pyrene	230		ug/kg	140	22.	1
Biphenyl	ND		ug/kg	520	52.	1
4-Chloroaniline	ND		ug/kg	220	41.	1
2-Nitroaniline	ND		ug/kg	220	44.	1
3-Nitroaniline	ND		ug/kg	220	43.	1
4-Nitroaniline	ND		ug/kg	220	94.	1
Dibenzofuran	29	J	ug/kg	220	21.	1
2-Methylnaphthalene	76	J	ug/kg	270	27.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	24.	1
Acetophenone	ND		ug/kg	220	28.	1
2,4,6-Trichlorophenol	ND		ug/kg	140	43.	1
p-Chloro-m-cresol	ND		ug/kg	220	34.	1
2-Chlorophenol	ND		ug/kg	220	27.	1
2,4-Dichlorophenol	ND		ug/kg	200	36.	1
2,4-Dimethylphenol	ND		ug/kg	220	74.	1
2-Nitrophenol	ND		ug/kg	490	85.	1
4-Nitrophenol	ND		ug/kg	320	92.	1
2,4-Dinitrophenol	ND		ug/kg	1100	100	1
4,6-Dinitro-o-cresol	ND		ug/kg	590	110	1
Pentachlorophenol	ND		ug/kg	180	50.	1
Phenol	ND		ug/kg	220	34.	1
2-Methylphenol	ND		ug/kg	220	35.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	320	35.	1

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-08 Date Collected: 06/17/19 11:10

Client ID: S-7 Date Received: 06/17/19

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

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	76		10-136
4-Terphenyl-d14	55		18-120

Project Name: HVP-CASTLETON
Project Number: 19009EGP
Lab Number: L1926113
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1926113-09
Client ID: B-2 (0-2')
Sample Location: 1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY

Date Collected: 06/17/19 13:20
Date Received: 06/17/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/18/19 15:16
Analyst: SZ
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 06/18/19 05:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	39	J	ug/kg	160	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	26.	1
2-Chloronaphthalene	ND		ug/kg	200	19.	1
1,2-Dichlorobenzene	ND		ug/kg	200	35.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	39.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	380		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	25.	1
Naphthalene	1300		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	30.	1
Bis(2-ethylhexyl)phthalate	75	J	ug/kg	200	68.	1
Butyl benzyl phthalate	ND		ug/kg	200	49.	1
Di-n-butylphthalate	ND		ug/kg	200	37.	1
Di-n-octylphthalate	ND		ug/kg	200	66.	1

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-09 Date Collected: 06/17/19 13:20

Client ID: B-2 (0-2') Date Received: 06/17/19

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

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	41.	1
Benzo(a)anthracene	340		ug/kg	120	22.	1
Benzo(a)pyrene	270		ug/kg	160	48.	1
Benzo(b)fluoranthene	290		ug/kg	120	33.	1
Benzo(k)fluoranthene	60	J	ug/kg	120	31.	1
Chrysene	500		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	75	J	ug/kg	120	38.	1
Benzo(ghi)perylene	220		ug/kg	160	23.	1
Fluorene	140	J	ug/kg	200	19.	1
Phenanthrene	1300		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	84	J	ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	140	J	ug/kg	160	27.	1
Pyrene	450		ug/kg	120	19.	1
Biphenyl	220	J	ug/kg	440	45.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	37.	1
4-Nitroaniline	ND		ug/kg	200	81.	1
Dibenzofuran	500		ug/kg	200	18.	1
2-Methylnaphthalene	2100		ug/kg	230	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	20.	1
Acetophenone	ND		ug/kg	200	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	200	29.	1
2-Chlorophenol	ND		ug/kg	200	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	31.	1
2,4-Dimethylphenol	ND		ug/kg	200	64.	1
2-Nitrophenol	ND		ug/kg	420	73.	1
4-Nitrophenol	ND		ug/kg	270	80.	1
2,4-Dinitrophenol	ND		ug/kg	940	91.	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	94.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	29.	1
2-Methylphenol	31	J	ug/kg	200	30.	1
3-Methylphenol/4-Methylphenol	35	J	ug/kg	280	30.	1

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-09 Date Collected: 06/17/19 13:20

Client ID: B-2 (0-2') Date Received: 06/17/19

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

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	37.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	85	J	ug/kg	200	19.	1
1,4-Dioxane	ND		ug/kg	29	9.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	79		30-120
2,4,6-Tribromophenol	78		10-136
4-Terphenyl-d14	72		18-120

Project Name: HVP-CASTLETON
Project Number: 19009EGP
Lab Number: L1926113
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1926113-12
Client ID: B-4 (8-10')
Sample Location: 1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY

Date Collected: 06/17/19 14:25
Date Received: 06/17/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/18/19 14:42
Analyst: JG
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 06/18/19 10:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	110	J	ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	24.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	28.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	37.	1
1,3-Dichlorobenzene	ND		ug/kg	200	35.	1
1,4-Dichlorobenzene	ND		ug/kg	200	36.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	55.	1
2,4-Dinitrotoluene	ND		ug/kg	200	41.	1
2,6-Dinitrotoluene	ND		ug/kg	200	35.	1
Fluoranthene	ND		ug/kg	120	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	35.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	21.	1
Hexachlorobutadiene	ND		ug/kg	200	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	590	190	1
Hexachloroethane	ND		ug/kg	160	33.	1
Isophorone	ND		ug/kg	180	27.	1
Naphthalene	220		ug/kg	200	25.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	32.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	71.	1
Butyl benzyl phthalate	ND		ug/kg	200	52.	1
Di-n-butylphthalate	ND		ug/kg	200	39.	1
Di-n-octylphthalate	ND		ug/kg	200	70.	1

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-12 Date Collected: 06/17/19 14:25

Client ID: B-4 (8-10') Date Received: 06/17/19

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

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	19.	1
Dimethyl phthalate	ND		ug/kg	200	43.	1
Benzo(a)anthracene	ND		ug/kg	120	23.	1
Benzo(a)pyrene	ND		ug/kg	160	50.	1
Benzo(b)fluoranthene	ND		ug/kg	120	35.	1
Benzo(k)fluoranthene	ND		ug/kg	120	33.	1
Chrysene	ND		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	32.	1
Anthracene	ND		ug/kg	120	40.	1
Benzo(ghi)perylene	ND		ug/kg	160	24.	1
Fluorene	360		ug/kg	200	20.	1
Phenanthrene	98	J	ug/kg	120	25.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	29.	1
Pyrene	ND		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	470	48.	1
4-Chloroaniline	ND		ug/kg	200	37.	1
2-Nitroaniline	ND		ug/kg	200	40.	1
3-Nitroaniline	ND		ug/kg	200	39.	1
4-Nitroaniline	ND		ug/kg	200	85.	1
Dibenzofuran	240		ug/kg	200	19.	1
2-Methylnaphthalene	480		ug/kg	250	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
p-Chloro-m-cresol	ND		ug/kg	200	31.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	33.	1
2,4-Dimethylphenol	ND		ug/kg	200	68.	1
2-Nitrophenol	ND		ug/kg	440	77.	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	200	31.	1
2-Methylphenol	ND		ug/kg	200	32.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	32.	1

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-12 Date Collected: 06/17/19 14:25

Client ID: B-4 (8-10') Date Received: 06/17/19

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

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	39.	1
Benzoic Acid	ND		ug/kg	670	210	1
Benzyl Alcohol	ND		ug/kg	200	63.	1
Carbazole	ND		ug/kg	200	20.	1
1,4-Dioxane	ND		ug/kg	31	9.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	70		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	79		30-120
2,4,6-Tribromophenol	105		10-136
4-Terphenyl-d14	79		18-120

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926113
Report Date: 06/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/18/19 09:31
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 06/18/19 00:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03 Batch: WG1249653-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	18.
Hexachlorobenzene	ND		ug/kg	97	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	32.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	97	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	460	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926113
Report Date: 06/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/18/19 09:31
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 06/18/19 00:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03 Batch: WG1249653-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	97	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	97	27.
Benzo(k)fluoranthene	ND		ug/kg	97	26.
Chrysene	ND		ug/kg	97	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	97	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	97	20.
Dibenzo(a,h)anthracene	ND		ug/kg	97	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	97	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	190	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	97	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926113
Report Date: 06/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/18/19 09:31
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 06/18/19 00:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03 Batch: WG1249653-1					
4-Nitrophenol	ND		ug/kg	230	66.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	24.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	25.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	92		10-136
4-Terphenyl-d14	87		18-120

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926113
Report Date: 06/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/18/19 13:08
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 06/18/19 05:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04-09,12 Batch: WG1249717-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	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	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926113
Report Date: 06/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/18/19 13:08
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 06/18/19 05:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04-09,12 Batch: WG1249717-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	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	15.
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	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926113
Report Date: 06/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/18/19 13:08
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 06/18/19 05:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04-09,12 Batch: WG1249717-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	89		10-136
4-Terphenyl-d14	78		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926113
Report Date: 06/19/19

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 Batch: WG1249653-2 WG1249653-3								
Acenaphthene	86		70		31-137	21		50
1,2,4-Trichlorobenzene	81		66		38-107	20		50
Hexachlorobenzene	91		75		40-140	19		50
Bis(2-chloroethyl)ether	85		69		40-140	21		50
2-Chloronaphthalene	89		72		40-140	21		50
1,2-Dichlorobenzene	74		62		40-140	18		50
1,3-Dichlorobenzene	72		60		40-140	18		50
1,4-Dichlorobenzene	73		61		28-104	18		50
3,3'-Dichlorobenzidine	74		60		40-140	21		50
2,4-Dinitrotoluene	104		87		40-132	18		50
2,6-Dinitrotoluene	112		94		40-140	17		50
Fluoranthene	90		75		40-140	18		50
4-Chlorophenyl phenyl ether	87		71		40-140	20		50
4-Bromophenyl phenyl ether	88		74		40-140	17		50
Bis(2-chloroisopropyl)ether	90		74		40-140	20		50
Bis(2-chloroethoxy)methane	93		78		40-117	18		50
Hexachlorobutadiene	78		64		40-140	20		50
Hexachlorocyclopentadiene	66		53		40-140	22		50
Hexachloroethane	76		63		40-140	19		50
Isophorone	94		77		40-140	20		50
Naphthalene	81		67		40-140	19		50
Nitrobenzene	103		85		40-140	19		50
NDPA/DPA	92		76		36-157	19		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: HVP-CASTLETON

Project Number: 19009EGP

Lab Number: L1926113

Report Date: 06/19/19

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 Batch: WG1249653-2 WG1249653-3								
n-Nitrosodi-n-propylamine	93		77		32-121	19		50
Bis(2-ethylhexyl)phthalate	107		85		40-140	23		50
Butyl benzyl phthalate	99		84		40-140	16		50
Di-n-butylphthalate	98		80		40-140	20		50
Di-n-octylphthalate	106		84		40-140	23		50
Diethyl phthalate	92		76		40-140	19		50
Dimethyl phthalate	93		78		40-140	18		50
Benzo(a)anthracene	90		73		40-140	21		50
Benzo(a)pyrene	98		83		40-140	17		50
Benzo(b)fluoranthene	92		77		40-140	18		50
Benzo(k)fluoranthene	94		79		40-140	17		50
Chrysene	88		72		40-140	20		50
Acenaphthylene	92		76		40-140	19		50
Anthracene	89		73		40-140	20		50
Benzo(ghi)perylene	87		73		40-140	18		50
Fluorene	88		73		40-140	19		50
Phenanthrene	86		71		40-140	19		50
Dibenzo(a,h)anthracene	88		72		40-140	20		50
Indeno(1,2,3-cd)pyrene	91		75		40-140	19		50
Pyrene	90		74		35-142	20		50
Biphenyl	84		68		54-104	21		50
4-Chloroaniline	84		68		40-140	21		50
2-Nitroaniline	113		96		47-134	16		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: HVP-CASTLETON

Project Number: 19009EGP

Lab Number: L1926113

Report Date: 06/19/19

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 Batch: WG1249653-2 WG1249653-3								
3-Nitroaniline	93		76		26-129	20		50
4-Nitroaniline	118		96		41-125	21		50
Dibenzofuran	86		71		40-140	19		50
2-Methylnaphthalene	86		70		40-140	21		50
1,2,4,5-Tetrachlorobenzene	77		63		40-117	20		50
Acetophenone	84		70		14-144	18		50
2,4,6-Trichlorophenol	101		83		30-130	20		50
p-Chloro-m-cresol	**106**	Q	86		26-103	21		50
2-Chlorophenol	90		75		25-102	18		50
2,4-Dichlorophenol	99		82		30-130	19		50
2,4-Dimethylphenol	102		85		30-130	18		50
2-Nitrophenol	125		103		30-130	19		50
4-Nitrophenol	110		91		11-114	19		50
2,4-Dinitrophenol	120		94		4-130	24		50
4,6-Dinitro-o-cresol	**135**	Q	114		10-130	17		50
Pentachlorophenol	85		72		17-109	17		50
Phenol	87		72		26-90	19		50
2-Methylphenol	95		80		30-130.	17		50
3-Methylphenol/4-Methylphenol	99		82		30-130	19		50
2,4,5-Trichlorophenol	102		84		30-130	19		50
Benzoic Acid	62		53		10-110	16		50
Benzyl Alcohol	93		78		40-140	18		50
Carbazole	90		75		54-128	18		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: HVP-CASTLETON

Project Number: 19009EGP

Lab Number: L1926113

Report Date: 06/19/19

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 Batch: WG1249653-2 WG1249653-3								
1,4-Dioxane	53		44		40-140	19		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	83		69		25-120
Phenol-d6	85		71		10-120
Nitrobenzene-d5	104		85		23-120
2-Fluorobiphenyl	83		67		30-120
2,4,6-Tribromophenol	97		79		10-136
4-Terphenyl-d14	84		69		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: HVP-CASTLETON

Project Number: 19009EGP

Lab Number: L1926113

Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04-09,12 Batch: WG1249717-2 WG1249717-3								
Acenaphthene	84		83		31-137	1		50
1,2,4-Trichlorobenzene	79		82		38-107	4		50
Hexachlorobenzene	88		86		40-140	2		50
Bis(2-chloroethyl)ether	79		78		40-140	1		50
2-Chloronaphthalene	83		82		40-140	1		50
1,2-Dichlorobenzene	81		76		40-140	6		50
1,3-Dichlorobenzene	76		73		40-140	4		50
1,4-Dichlorobenzene	77		75		28-104	3		50
3,3'-Dichlorobenzidine	96		94		40-140	2		50
2,4-Dinitrotoluene	96		96		40-132	0		50
2,6-Dinitrotoluene	94		94		40-140	0		50
Fluoranthene	89		87		40-140	2		50
4-Chlorophenyl phenyl ether	84		83		40-140	1		50
4-Bromophenyl phenyl ether	87		87		40-140	0		50
Bis(2-chloroisopropyl)ether	79		76		40-140	4		50
Bis(2-chloroethoxy)methane	84		83		40-117	1		50
Hexachlorobutadiene	78		82		40-140	5		50
Hexachlorocyclopentadiene	**18**	Q	**21**	Q	40-140	15		50
Hexachloroethane	67		67		40-140	0		50
Isophorone	90		87		40-140	3		50
Naphthalene	82		82		40-140	0		50
Nitrobenzene	87		85		40-140	2		50
NDPA/DPA	87		86		36-157	1		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926113
Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04-09,12 Batch: WG1249717-2 WG1249717-3								
n-Nitrosodi-n-propylamine	90		86		32-121	5		50
Bis(2-ethylhexyl)phthalate	97		96		40-140	1		50
Butyl benzyl phthalate	97		93		40-140	4		50
Di-n-butylphthalate	95		97		40-140	2		50
Di-n-octylphthalate	102		105		40-140	3		50
Diethyl phthalate	85		83		40-140	2		50
Dimethyl phthalate	87		85		40-140	2		50
Benzo(a)anthracene	93		90		40-140	3		50
Benzo(a)pyrene	85		92		40-140	8		50
Benzo(b)fluoranthene	89		93		40-140	4		50
Benzo(k)fluoranthene	79		85		40-140	7		50
Chrysene	85		87		40-140	2		50
Acenaphthylene	89		88		40-140	1		50
Anthracene	91		88		40-140	3		50
Benzo(ghi)perylene	91		84		40-140	8		50
Fluorene	87		87		40-140	0		50
Phenanthrene	84		85		40-140	1		50
Dibenzo(a,h)anthracene	91		88		40-140	3		50
Indeno(1,2,3-cd)pyrene	96		92		40-140	4		50
Pyrene	86		85		35-142	1		50
Biphenyl	79		78		54-104	1		50
4-Chloroaniline	67		69		40-140	3		50
2-Nitroaniline	101		98		47-134	3		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926113
Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04-09,12 Batch: WG1249717-2 WG1249717-3								
3-Nitroaniline	74		73		26-129	1		50
4-Nitroaniline	86		86		41-125	0		50
Dibenzofuran	86		86		40-140	0		50
2-Methylnaphthalene	82		83		40-140	1		50
1,2,4,5-Tetrachlorobenzene	82		81		40-117	1		50
Acetophenone	84		81		14-144	4		50
2,4,6-Trichlorophenol	98		96		30-130	2		50
p-Chloro-m-cresol	94		95		26-103	1		50
2-Chlorophenol	92		90		25-102	2		50
2,4-Dichlorophenol	95		96		30-130	1		50
2,4-Dimethylphenol	92		93		30-130	1		50
2-Nitrophenol	98		95		30-130	3		50
4-Nitrophenol	109		107		11-114	2		50
2,4-Dinitrophenol	32		36		4-130	12		50
4,6-Dinitro-o-cresol	42		48		10-130	13		50
Pentachlorophenol	91		94		17-109	3		50
Phenol	84		82		26-90	2		50
2-Methylphenol	95		91		30-130.	4		50
3-Methylphenol/4-Methylphenol	94		93		30-130	1		50
2,4,5-Trichlorophenol	100		97		30-130	3		50
Benzoic Acid	51		50		10-110	2		50
Benzyl Alcohol	95		90		40-140	5		50
Carbazole	93		91		54-128	2		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926113
Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04-09,12 Batch: WG1249717-2 WG1249717-3								
1,4-Dioxane	57		55		40-140	4		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	89		87		25-120
Phenol-d6	90		87		10-120
Nitrobenzene-d5	90		89		23-120
2-Fluorobiphenyl	84		83		30-120
2,4,6-Tribromophenol	96		94		10-136
4-Terphenyl-d14	83		79		18-120

PCBS

Project Name: HVP-CASTLETON
Lab Number: L1926113
Project Number: 19009EGP
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1926113-01 D
Client ID: S-1
Sample Location: 1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY

Date Collected: 06/17/19 08:50
Date Received: 06/17/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/18/19 16:10
Analyst: WR
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 06/18/19 03:27
Cleanup Method: EPA 3665A
Cleanup Date: 06/18/19
Cleanup Method: EPA 3660B
Cleanup Date: 06/18/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	813	72.2	20	A
Aroclor 1221	ND		ug/kg	813	81.4	20	A
Aroclor 1232	ND		ug/kg	813	172.	20	A
Aroclor 1242	ND		ug/kg	813	110.	20	A
Aroclor 1248	371	JP	ug/kg	813	122.	20	A
Aroclor 1254	433	J	ug/kg	813	88.9	20	A
Aroclor 1260	ND		ug/kg	813	150.	20	A
Aroclor 1262	ND		ug/kg	813	103.	20	A
Aroclor 1268	ND		ug/kg	813	84.2	20	A
PCBs, Total	804	J	ug/kg	813	72.2	20	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: HVP-CASTLETON
Project Number: 19009EGP
Lab Number: L1926113
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1926113-02
Client ID: S-2
Sample Location: 1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY

Date Collected: 06/17/19 08:55
Date Received: 06/17/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/18/19 15:18
Analyst: WR
Percent Solids: 70%

Extraction Method: EPA 3546
Extraction Date: 06/18/19 03:27
Cleanup Method: EPA 3665A
Cleanup Date: 06/18/19
Cleanup Method: EPA 3660B
Cleanup Date: 06/18/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	47.2	4.19	1	A
Aroclor 1221	ND		ug/kg	47.2	4.72	1	A
Aroclor 1232	ND		ug/kg	47.2	10.0	1	A
Aroclor 1242	ND		ug/kg	47.2	6.36	1	A
Aroclor 1248	107		ug/kg	47.2	7.07	1	A
Aroclor 1254	498		ug/kg	47.2	5.16	1	A
Aroclor 1260	197		ug/kg	47.2	8.72	1	A
Aroclor 1262	ND		ug/kg	47.2	5.99	1	A
Aroclor 1268	ND		ug/kg	47.2	4.89	1	A
PCBs, Total	802		ug/kg	47.2	4.19	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		30-150	B
Decachlorobiphenyl	85		30-150	B

Project Name: HVP-CASTLETON
Project Number: 19009EGP
Lab Number: L1926113
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1926113-03 D
Client ID: S-3
Sample Location: 1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY

Date Collected: 06/17/19 09:05
Date Received: 06/17/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/18/19 16:23
Analyst: WR
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 06/18/19 03:27
Cleanup Method: EPA 3665A
Cleanup Date: 06/18/19
Cleanup Method: EPA 3660B
Cleanup Date: 06/18/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	343	30.5	10	A
Aroclor 1221	ND		ug/kg	343	34.4	10	A
Aroclor 1232	ND		ug/kg	343	72.8	10	A
Aroclor 1242	ND		ug/kg	343	46.3	10	A
Aroclor 1248	274	JP	ug/kg	343	51.5	10	A
Aroclor 1254	466	P	ug/kg	343	37.6	10	A
Aroclor 1260	ND		ug/kg	343	63.4	10	A
Aroclor 1262	ND		ug/kg	343	43.6	10	A
Aroclor 1268	ND		ug/kg	343	35.6	10	A
PCBs, Total	740	J	ug/kg	343	30.5	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: HVP-CASTLETON
Project Number: 19009EGP
Lab Number: L1926113
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1926113-04 D
Client ID: S-4
Sample Location: 1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY

Date Collected: 06/17/19 09:25
Date Received: 06/17/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/18/19 16:36
Analyst: WR
Percent Solids: 70%

Extraction Method: EPA 3546
Extraction Date: 06/18/19 03:27
Cleanup Method: EPA 3665A
Cleanup Date: 06/18/19
Cleanup Method: EPA 3660B
Cleanup Date: 06/18/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	464	41.2	10	A
Aroclor 1221	ND		ug/kg	464	46.5	10	A
Aroclor 1232	ND		ug/kg	464	98.5	10	A
Aroclor 1242	ND		ug/kg	464	62.6	10	A
Aroclor 1248	ND		ug/kg	464	69.7	10	A
Aroclor 1254	ND		ug/kg	464	50.8	10	A
Aroclor 1260	ND		ug/kg	464	85.8	10	A
Aroclor 1262	ND		ug/kg	464	59.0	10	A
Aroclor 1268	ND		ug/kg	464	48.1	10	A
PCBs, Total	ND		ug/kg	464	41.2	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: HVP-CASTLETON
Project Number: 19009EGP
Lab Number: L1926113
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1926113-05 D
Client ID: S-5
Sample Location: 1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY

Date Collected: 06/17/19 10:05
Date Received: 06/17/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/18/19 16:49
Analyst: WR
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 06/18/19 03:27
Cleanup Method: EPA 3665A
Cleanup Date: 06/18/19
Cleanup Method: EPA 3660B
Cleanup Date: 06/18/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	372	33.1	10	A
Aroclor 1221	ND		ug/kg	372	37.3	10	A
Aroclor 1232	ND		ug/kg	372	79.0	10	A
Aroclor 1242	ND		ug/kg	372	50.2	10	A
Aroclor 1248	ND		ug/kg	372	55.9	10	A
Aroclor 1254	ND		ug/kg	372	40.8	10	A
Aroclor 1260	266	J	ug/kg	372	68.8	5	B
Aroclor 1262	ND		ug/kg	372	47.3	10	A
Aroclor 1268	ND		ug/kg	372	38.6	10	A
PCBs, Total	266	J	ug/kg	372	33.1	5	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: HVP-CASTLETON
Lab Number: L1926113
Project Number: 19009EGP
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1926113-06 D
Client ID: S-6
Sample Location: 1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY

Date Collected: 06/17/19 10:10
Date Received: 06/17/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/18/19 17:02
Analyst: WR
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 06/18/19 03:27
Cleanup Method: EPA 3665A
Cleanup Date: 06/18/19
Cleanup Method: EPA 3660B
Cleanup Date: 06/18/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	346	30.7	10	A
Aroclor 1221	ND		ug/kg	346	34.6	10	A
Aroclor 1232	ND		ug/kg	346	73.3	10	A
Aroclor 1242	ND		ug/kg	346	46.6	10	A
Aroclor 1248	ND		ug/kg	346	51.9	10	A
Aroclor 1254	ND		ug/kg	346	37.8	10	A
Aroclor 1260	ND		ug/kg	346	63.9	10	A
Aroclor 1262	ND		ug/kg	346	43.9	10	A
Aroclor 1268	ND		ug/kg	346	35.8	10	A
PCBs, Total	ND		ug/kg	346	30.7	10	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	A
Decachlorobiphenyl	**0**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150	B
Decachlorobiphenyl	**0**	Q	30-150	B

Project Name: HVP-CASTLETON
Project Number: 19009EGP
Lab Number: L1926113
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1926113-07
Client ID: B-1 (0-2.5')
Sample Location: 1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY

Date Collected: 06/17/19 10:45
Date Received: 06/17/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/18/19 17:54
Analyst: WR
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 06/18/19 03:27
Cleanup Method: EPA 3665A
Cleanup Date: 06/18/19
Cleanup Method: EPA 3660B
Cleanup Date: 06/18/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.9	3.27	1	A
Aroclor 1221	ND		ug/kg	36.9	3.69	1	A
Aroclor 1232	ND		ug/kg	36.9	7.82	1	A
Aroclor 1242	ND		ug/kg	36.9	4.97	1	A
Aroclor 1248	ND		ug/kg	36.9	5.53	1	A
Aroclor 1254	ND		ug/kg	36.9	4.03	1	A
Aroclor 1260	ND		ug/kg	36.9	6.81	1	A
Aroclor 1262	ND		ug/kg	36.9	4.68	1	A
Aroclor 1268	25.4	J	ug/kg	36.9	3.82	1	B
PCBs, Total	25.4	J	ug/kg	36.9	3.27	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	85		30-150	B

Project Name: HVP-CASTLETON
Lab Number: L1926113
Project Number: 19009EGP
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1926113-08
Client ID: S-7
Sample Location: 1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY

Date Collected: 06/17/19 11:10
Date Received: 06/17/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/18/19 15:44
Analyst: WR
Percent Solids: 72%

Extraction Method: EPA 3546
Extraction Date: 06/18/19 03:27
Cleanup Method: EPA 3665A
Cleanup Date: 06/18/19
Cleanup Method: EPA 3660B
Cleanup Date: 06/18/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	44.4	3.94	1	A
Aroclor 1221	ND		ug/kg	44.4	4.44	1	A
Aroclor 1232	ND		ug/kg	44.4	9.40	1	A
Aroclor 1242	ND		ug/kg	44.4	5.98	1	A
Aroclor 1248	ND		ug/kg	44.4	6.65	1	A
Aroclor 1254	ND		ug/kg	44.4	4.85	1	A
Aroclor 1260	ND		ug/kg	44.4	8.20	1	A
Aroclor 1262	ND		ug/kg	44.4	5.63	1	A
Aroclor 1268	ND		ug/kg	44.4	4.59	1	A
PCBs, Total	ND		ug/kg	44.4	3.94	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	49		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	45		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: HVP-CASTLETON
Project Number: 19009EGP
Lab Number: L1926113
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1926113-09
Client ID: B-2 (0-2')
Sample Location: 1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY

Date Collected: 06/17/19 13:20
Date Received: 06/17/19
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/18/19 15:57
Analyst: WR
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 06/18/19 03:27
Cleanup Method: EPA 3665A
Cleanup Date: 06/18/19
Cleanup Method: EPA 3660B
Cleanup Date: 06/18/19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.4	3.32	1	A
Aroclor 1221	ND		ug/kg	37.4	3.75	1	A
Aroclor 1232	ND		ug/kg	37.4	7.94	1	A
Aroclor 1242	ND		ug/kg	37.4	5.05	1	A
Aroclor 1248	ND		ug/kg	37.4	5.62	1	A
Aroclor 1254	ND		ug/kg	37.4	4.10	1	A
Aroclor 1260	ND		ug/kg	37.4	6.92	1	B
Aroclor 1262	ND		ug/kg	37.4	4.76	1	A
Aroclor 1268	ND		ug/kg	37.4	3.88	1	A
PCBs, Total	ND		ug/kg	37.4	3.32	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	106		30-150	B

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926113
Report Date: 06/19/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 06/18/19 13:56
Analyst: AWS

Extraction Method: EPA 3546
Extraction Date: 06/17/19 22:32
Cleanup Method: EPA 3665A
Cleanup Date: 06/18/19
Cleanup Method: EPA 3660B
Cleanup Date: 06/18/19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-09 Batch: WG1249623-1						
Aroclor 1016	ND		ug/kg	31.8	2.83	A
Aroclor 1221	ND		ug/kg	31.8	3.19	A
Aroclor 1232	ND		ug/kg	31.8	6.75	A
Aroclor 1242	ND		ug/kg	31.8	4.29	A
Aroclor 1248	ND		ug/kg	31.8	4.78	A
Aroclor 1254	ND		ug/kg	31.8	3.48	A
Aroclor 1260	ND		ug/kg	31.8	5.88	A
Aroclor 1262	ND		ug/kg	31.8	4.04	A
Aroclor 1268	ND		ug/kg	31.8	3.30	A
PCBs, Total	ND		ug/kg	31.8	2.83	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	86		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926113
Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-09 Batch: WG1249623-2 WG1249623-3									
Aroclor 1016	75		74		40-140	1		50	A
Aroclor 1260	69		68		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		73		30-150	A
Decachlorobiphenyl	83		83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		76		30-150	B
Decachlorobiphenyl	89		88		30-150	B

METALS

Project Name: HVP-CASTLETON
Lab Number: L1926113
Project Number: 19009EGP
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1926113-01
Client ID: S-1
Sample Location: 1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY
Sample Depth:
Matrix: Soil
Percent Solids: 80%

Date Collected: 06/17/19 08:50
Date Received: 06/17/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Antimony, Total	4.98		mg/kg	2.44	0.186	1	06/18/19 11:16	06/18/19 14:16	EPA 3050B	1,6010D	LC
Arsenic, Total	4.40		mg/kg	0.488	0.102	1	06/18/19 11:16	06/18/19 14:16	EPA 3050B	1,6010D	LC
Beryllium, Total	0.630		mg/kg	0.244	0.016	1	06/18/19 11:16	06/18/19 14:16	EPA 3050B	1,6010D	LC
Cadmium, Total	3.09		mg/kg	0.488	0.048	1	06/18/19 11:16	06/18/19 14:16	EPA 3050B	1,6010D	LC
Chromium, Total	46.0		mg/kg	0.488	0.047	1	06/18/19 11:16	06/18/19 14:16	EPA 3050B	1,6010D	LC
Copper, Total	263		mg/kg	0.488	0.126	1	06/18/19 11:16	06/18/19 14:16	EPA 3050B	1,6010D	LC
Lead, Total	188		mg/kg	2.44	0.131	1	06/18/19 11:16	06/18/19 14:16	EPA 3050B	1,6010D	LC
Mercury, Total	0.135		mg/kg	0.097	0.064	1	06/18/19 16:16	06/18/19 17:24	EPA 7471B	1,7471B	GD
Nickel, Total	15.4		mg/kg	1.22	0.118	1	06/18/19 11:16	06/18/19 14:16	EPA 3050B	1,6010D	LC
Selenium, Total	0.224	J	mg/kg	0.976	0.126	1	06/18/19 11:16	06/18/19 14:16	EPA 3050B	1,6010D	LC
Silver, Total	0.410	J	mg/kg	0.488	0.138	1	06/18/19 11:16	06/18/19 14:16	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	0.976	0.154	1	06/18/19 11:16	06/18/19 14:16	EPA 3050B	1,6010D	LC
Zinc, Total	957		mg/kg	2.44	0.143	1	06/18/19 11:16	06/18/19 14:16	EPA 3050B	1,6010D	LC

Project Name: HVP-CASTLETON
Lab Number: L1926113
Project Number: 19009EGP
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1926113-02
Client ID: S-2
Sample Location: 1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY
Sample Depth:
Matrix: Soil
Percent Solids: 70%

Date Collected: 06/17/19 08:55
Date Received: 06/17/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Antimony, Total	7.47		mg/kg	2.74	0.208	1	06/18/19 11:16	06/18/19 14:20	EPA 3050B	1,6010D	LC
Arsenic, Total	6.06		mg/kg	0.548	0.114	1	06/18/19 11:16	06/18/19 14:20	EPA 3050B	1,6010D	LC
Beryllium, Total	0.236	J	mg/kg	0.274	0.018	1	06/18/19 11:16	06/18/19 14:20	EPA 3050B	1,6010D	LC
Cadmium, Total	4.94		mg/kg	0.548	0.054	1	06/18/19 11:16	06/18/19 14:20	EPA 3050B	1,6010D	LC
Chromium, Total	45.3		mg/kg	0.548	0.053	1	06/18/19 11:16	06/18/19 14:20	EPA 3050B	1,6010D	LC
Copper, Total	107		mg/kg	0.548	0.141	1	06/18/19 11:16	06/18/19 14:20	EPA 3050B	1,6010D	LC
Lead, Total	321		mg/kg	2.74	0.147	1	06/18/19 11:16	06/18/19 14:20	EPA 3050B	1,6010D	LC
Mercury, Total	2.20		mg/kg	0.097	0.064	1	06/18/19 16:16	06/18/19 17:26	EPA 7471B	1,7471B	GD
Nickel, Total	18.4		mg/kg	1.37	0.133	1	06/18/19 11:16	06/18/19 14:20	EPA 3050B	1,6010D	LC
Selenium, Total	0.400	J	mg/kg	1.10	0.141	1	06/18/19 11:16	06/18/19 14:20	EPA 3050B	1,6010D	LC
Silver, Total	0.822		mg/kg	0.548	0.155	1	06/18/19 11:16	06/18/19 14:20	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.10	0.173	1	06/18/19 11:16	06/18/19 14:20	EPA 3050B	1,6010D	LC
Zinc, Total	541		mg/kg	2.74	0.160	1	06/18/19 11:16	06/18/19 14:20	EPA 3050B	1,6010D	LC

Project Name: HVP-CASTLETON
Lab Number: L1926113
Project Number: 19009EGP
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1926113-03
Client ID: S-3
Sample Location: 1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY
Sample Depth:
Matrix: Soil
Percent Solids: 94%

Date Collected: 06/17/19 09:05
Date Received: 06/17/19
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Antimony, Total	2.32		mg/kg	2.11	0.160	1	06/18/19 11:16	06/18/19 14:25	EPA 3050B	1,6010D	LC
Arsenic, Total	2.79		mg/kg	0.422	0.088	1	06/18/19 11:16	06/18/19 14:25	EPA 3050B	1,6010D	LC
Beryllium, Total	0.093	J	mg/kg	0.211	0.014	1	06/18/19 11:16	06/18/19 14:25	EPA 3050B	1,6010D	LC
Cadmium, Total	4.66		mg/kg	0.422	0.041	1	06/18/19 11:16	06/18/19 14:25	EPA 3050B	1,6010D	LC
Chromium, Total	35.1		mg/kg	0.422	0.041	1	06/18/19 11:16	06/18/19 14:25	EPA 3050B	1,6010D	LC
Copper, Total	95.0		mg/kg	0.422	0.109	1	06/18/19 11:16	06/18/19 14:25	EPA 3050B	1,6010D	LC
Lead, Total	148		mg/kg	2.11	0.113	1	06/18/19 11:16	06/18/19 14:25	EPA 3050B	1,6010D	LC
Mercury, Total	ND		mg/kg	0.078	0.051	1	06/18/19 16:16	06/18/19 17:29	EPA 7471B	1,7471B	GD
Nickel, Total	9.80		mg/kg	1.06	0.102	1	06/18/19 11:16	06/18/19 14:25	EPA 3050B	1,6010D	LC
Selenium, Total	0.211	J	mg/kg	0.844	0.109	1	06/18/19 11:16	06/18/19 14:25	EPA 3050B	1,6010D	LC
Silver, Total	0.333	J	mg/kg	0.422	0.119	1	06/18/19 11:16	06/18/19 14:25	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	0.844	0.133	1	06/18/19 11:16	06/18/19 14:25	EPA 3050B	1,6010D	LC
Zinc, Total	916		mg/kg	2.11	0.124	1	06/18/19 11:16	06/18/19 14:25	EPA 3050B	1,6010D	LC

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-04 Date Collected: 06/17/19 09:25

Client ID: S-4 Date Received: 06/17/19

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

Sample Depth:

Matrix: Soil

Percent Solids: 70%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Antimony, Total	0.349	J	mg/kg	2.77	0.210	1	06/18/19 11:16	06/18/19 14:29	EPA 3050B	1,6010D	LC
Arsenic, Total	2.60		mg/kg	0.554	0.115	1	06/18/19 11:16	06/18/19 14:29	EPA 3050B	1,6010D	LC
Beryllium, Total	0.781		mg/kg	0.277	0.018	1	06/18/19 11:16	06/18/19 14:29	EPA 3050B	1,6010D	LC
Cadmium, Total	3.73		mg/kg	0.554	0.054	1	06/18/19 11:16	06/18/19 14:29	EPA 3050B	1,6010D	LC
Chromium, Total	35.6		mg/kg	0.554	0.053	1	06/18/19 11:16	06/18/19 14:29	EPA 3050B	1,6010D	LC
Copper, Total	22.3		mg/kg	0.554	0.143	1	06/18/19 11:16	06/18/19 14:29	EPA 3050B	1,6010D	LC
Lead, Total	27.5		mg/kg	2.77	0.148	1	06/18/19 11:16	06/18/19 14:29	EPA 3050B	1,6010D	LC
Mercury, Total	0.136		mg/kg	0.110	0.072	1	06/18/19 16:16	06/18/19 17:30	EPA 7471B	1,7471B	GD
Nickel, Total	3.91		mg/kg	1.38	0.134	1	06/18/19 11:16	06/18/19 14:29	EPA 3050B	1,6010D	LC
Selenium, Total	0.183	J	mg/kg	1.11	0.143	1	06/18/19 11:16	06/18/19 14:29	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.554	0.157	1	06/18/19 11:16	06/18/19 14:29	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.11	0.174	1	06/18/19 11:16	06/18/19 14:29	EPA 3050B	1,6010D	LC
Zinc, Total	1130		mg/kg	2.77	0.162	1	06/18/19 11:16	06/18/19 14:29	EPA 3050B	1,6010D	LC

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-05 Date Collected: 06/17/19 10:05

Client ID: S-5 Date Received: 06/17/19

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

Sample Depth:

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Antimony, Total	3.14		mg/kg	2.12	0.161	1	06/18/19 11:16	06/18/19 14:33	EPA 3050B	1,6010D	LC
Arsenic, Total	5.37		mg/kg	0.425	0.088	1	06/18/19 11:16	06/18/19 14:33	EPA 3050B	1,6010D	LC
Beryllium, Total	0.773		mg/kg	0.212	0.014	1	06/18/19 11:16	06/18/19 14:33	EPA 3050B	1,6010D	LC
Cadmium, Total	2.51		mg/kg	0.425	0.042	1	06/18/19 11:16	06/18/19 14:33	EPA 3050B	1,6010D	LC
Chromium, Total	35.2		mg/kg	0.425	0.041	1	06/18/19 11:16	06/18/19 14:33	EPA 3050B	1,6010D	LC
Copper, Total	136		mg/kg	0.425	0.110	1	06/18/19 11:16	06/18/19 14:33	EPA 3050B	1,6010D	LC
Lead, Total	368		mg/kg	2.12	0.114	1	06/18/19 11:16	06/18/19 14:33	EPA 3050B	1,6010D	LC
Mercury, Total	0.062	J	mg/kg	0.088	0.057	1	06/18/19 16:16	06/18/19 17:32	EPA 7471B	1,7471B	GD
Nickel, Total	21.7		mg/kg	1.06	0.103	1	06/18/19 11:16	06/18/19 14:33	EPA 3050B	1,6010D	LC
Selenium, Total	ND		mg/kg	0.849	0.110	1	06/18/19 11:16	06/18/19 14:33	EPA 3050B	1,6010D	LC
Silver, Total	0.178	J	mg/kg	0.425	0.120	1	06/18/19 11:16	06/18/19 14:33	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	0.849	0.134	1	06/18/19 11:16	06/18/19 14:33	EPA 3050B	1,6010D	LC
Zinc, Total	342		mg/kg	2.12	0.124	1	06/18/19 11:16	06/18/19 14:33	EPA 3050B	1,6010D	LC

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-06 Date Collected: 06/17/19 10:10

Client ID: S-6 Date Received: 06/17/19

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

Sample Depth:

Matrix: Soil

Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Antimony, Total	1.83	J	mg/kg	2.03	0.154	1	06/18/19 11:16	06/18/19 14:51	EPA 3050B	1,6010D	LC
Arsenic, Total	4.03		mg/kg	0.406	0.085	1	06/18/19 11:16	06/18/19 14:51	EPA 3050B	1,6010D	LC
Beryllium, Total	0.748		mg/kg	0.203	0.013	1	06/18/19 11:16	06/18/19 14:51	EPA 3050B	1,6010D	LC
Cadmium, Total	1.21		mg/kg	0.406	0.040	1	06/18/19 11:16	06/18/19 14:51	EPA 3050B	1,6010D	LC
Chromium, Total	36.9		mg/kg	0.406	0.039	1	06/18/19 11:16	06/18/19 14:51	EPA 3050B	1,6010D	LC
Copper, Total	101		mg/kg	0.406	0.105	1	06/18/19 11:16	06/18/19 14:51	EPA 3050B	1,6010D	LC
Lead, Total	84.8		mg/kg	2.03	0.109	1	06/18/19 11:16	06/18/19 14:51	EPA 3050B	1,6010D	LC
Mercury, Total	ND		mg/kg	0.078	0.051	1	06/18/19 16:16	06/18/19 17:34	EPA 7471B	1,7471B	GD
Nickel, Total	15.4		mg/kg	1.02	0.098	1	06/18/19 11:16	06/18/19 14:51	EPA 3050B	1,6010D	LC
Selenium, Total	ND		mg/kg	0.812	0.105	1	06/18/19 11:16	06/18/19 14:51	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.406	0.115	1	06/18/19 11:16	06/18/19 14:51	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	0.812	0.128	1	06/18/19 11:16	06/18/19 14:51	EPA 3050B	1,6010D	LC
Zinc, Total	614		mg/kg	2.03	0.119	1	06/18/19 11:16	06/18/19 14:51	EPA 3050B	1,6010D	LC

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-07 Date Collected: 06/17/19 10:45

Client ID: B-1 (0-2.5') Date Received: 06/17/19

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

Sample Depth:

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Antimony, Total	0.618	J	mg/kg	2.24	0.170	1	06/18/19 11:16	06/18/19 14:56	EPA 3050B	1,6010D	LC
Arsenic, Total	3.89		mg/kg	0.448	0.093	1	06/18/19 11:16	06/18/19 14:56	EPA 3050B	1,6010D	LC
Beryllium, Total	0.233		mg/kg	0.224	0.015	1	06/18/19 11:16	06/18/19 14:56	EPA 3050B	1,6010D	LC
Cadmium, Total	0.403	J	mg/kg	0.448	0.044	1	06/18/19 11:16	06/18/19 14:56	EPA 3050B	1,6010D	LC
Chromium, Total	4.53		mg/kg	0.448	0.043	1	06/18/19 11:16	06/18/19 14:56	EPA 3050B	1,6010D	LC
Copper, Total	18.8		mg/kg	0.448	0.115	1	06/18/19 11:16	06/18/19 14:56	EPA 3050B	1,6010D	LC
Lead, Total	29.3		mg/kg	2.24	0.120	1	06/18/19 11:16	06/18/19 14:56	EPA 3050B	1,6010D	LC
Mercury, Total	ND		mg/kg	0.080	0.052	1	06/18/19 16:16	06/18/19 17:36	EPA 7471B	1,7471B	GD
Nickel, Total	8.25		mg/kg	1.12	0.108	1	06/18/19 11:16	06/18/19 14:56	EPA 3050B	1,6010D	LC
Selenium, Total	0.184	J	mg/kg	0.895	0.115	1	06/18/19 11:16	06/18/19 14:56	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.448	0.127	1	06/18/19 11:16	06/18/19 14:56	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	0.895	0.141	1	06/18/19 11:16	06/18/19 14:56	EPA 3050B	1,6010D	LC
Zinc, Total	56.6		mg/kg	2.24	0.131	1	06/18/19 11:16	06/18/19 14:56	EPA 3050B	1,6010D	LC

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-08 Date Collected: 06/17/19 11:10

Client ID: S-7 Date Received: 06/17/19

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

Sample Depth:

Matrix: Soil

Percent Solids: 72%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Antimony, Total	1.30	J	mg/kg	2.62	0.199	1	06/18/19 11:16	06/18/19 15:00	EPA 3050B	1,6010D	LC
Arsenic, Total	5.72		mg/kg	0.524	0.109	1	06/18/19 11:16	06/18/19 15:00	EPA 3050B	1,6010D	LC
Beryllium, Total	0.660		mg/kg	0.262	0.017	1	06/18/19 11:16	06/18/19 15:00	EPA 3050B	1,6010D	LC
Cadmium, Total	1.14		mg/kg	0.524	0.051	1	06/18/19 11:16	06/18/19 15:00	EPA 3050B	1,6010D	LC
Chromium, Total	11.7		mg/kg	0.524	0.050	1	06/18/19 11:16	06/18/19 15:00	EPA 3050B	1,6010D	LC
Copper, Total	30.9		mg/kg	0.524	0.135	1	06/18/19 11:16	06/18/19 15:00	EPA 3050B	1,6010D	LC
Lead, Total	35.3		mg/kg	2.62	0.140	1	06/18/19 11:16	06/18/19 15:00	EPA 3050B	1,6010D	LC
Mercury, Total	0.099	J	mg/kg	0.114	0.074	1	06/18/19 16:16	06/18/19 17:38	EPA 7471B	1,7471B	GD
Nickel, Total	16.7		mg/kg	1.31	0.127	1	06/18/19 11:16	06/18/19 15:00	EPA 3050B	1,6010D	LC
Selenium, Total	0.183	J	mg/kg	1.05	0.135	1	06/18/19 11:16	06/18/19 15:00	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.524	0.148	1	06/18/19 11:16	06/18/19 15:00	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.05	0.165	1	06/18/19 11:16	06/18/19 15:00	EPA 3050B	1,6010D	LC
Zinc, Total	69.5		mg/kg	2.62	0.153	1	06/18/19 11:16	06/18/19 15:00	EPA 3050B	1,6010D	LC

Project Name: HVP-CASTLETON **Lab Number:** L1926113

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

SAMPLE RESULTS

Lab ID: L1926113-09 Date Collected: 06/17/19 13:20

Client ID: B-2 (0-2') Date Received: 06/17/19

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

Sample Depth:

Matrix: Soil

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Antimony, Total	1.72	J	mg/kg	2.30	0.175	1	06/18/19 11:16	06/18/19 15:04	EPA 3050B	1,6010D	LC
Arsenic, Total	17.3		mg/kg	0.460	0.096	1	06/18/19 11:16	06/18/19 15:04	EPA 3050B	1,6010D	LC
Beryllium, Total	0.400		mg/kg	0.230	0.015	1	06/18/19 11:16	06/18/19 15:04	EPA 3050B	1,6010D	LC
Cadmium, Total	1.35		mg/kg	0.460	0.045	1	06/18/19 11:16	06/18/19 15:04	EPA 3050B	1,6010D	LC
Chromium, Total	18.4		mg/kg	0.460	0.044	1	06/18/19 11:16	06/18/19 15:04	EPA 3050B	1,6010D	LC
Copper, Total	37.7		mg/kg	0.460	0.119	1	06/18/19 11:16	06/18/19 15:04	EPA 3050B	1,6010D	LC
Lead, Total	67.0		mg/kg	2.30	0.123	1	06/18/19 11:16	06/18/19 15:04	EPA 3050B	1,6010D	LC
Mercury, Total	0.163		mg/kg	0.091	0.059	1	06/18/19 16:16	06/18/19 17:44	EPA 7471B	1,7471B	GD
Nickel, Total	16.7		mg/kg	1.15	0.111	1	06/18/19 11:16	06/18/19 15:04	EPA 3050B	1,6010D	LC
Selenium, Total	0.759	J	mg/kg	0.920	0.119	1	06/18/19 11:16	06/18/19 15:04	EPA 3050B	1,6010D	LC
Silver, Total	0.313	J	mg/kg	0.460	0.130	1	06/18/19 11:16	06/18/19 15:04	EPA 3050B	1,6010D	LC
Thallium, Total	0.202	J	mg/kg	0.920	0.145	1	06/18/19 11:16	06/18/19 15:04	EPA 3050B	1,6010D	LC
Zinc, Total	61.1		mg/kg	2.30	0.135	1	06/18/19 11:16	06/18/19 15:04	EPA 3050B	1,6010D	LC

Project Name: HVP-CASTLETON
Project Number: 19009EGP
Lab Number: L1926113
Report Date: 06/19/19

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): 01-09 Batch: WG1249814-1										
Antimony, Total	ND		mg/kg	2.00	0.152	1	06/18/19 11:16	06/18/19 13:06	1,6010D	LC
Arsenic, Total	ND		mg/kg	0.400	0.083	1	06/18/19 11:16	06/18/19 13:06	1,6010D	LC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	06/18/19 11:16	06/18/19 13:06	1,6010D	LC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	06/18/19 11:16	06/18/19 13:06	1,6010D	LC
Chromium, Total	0.052	J	mg/kg	0.400	0.038	1	06/18/19 11:16	06/18/19 13:06	1,6010D	LC
Copper, Total	ND		mg/kg	0.400	0.103	1	06/18/19 11:16	06/18/19 13:06	1,6010D	LC
Lead, Total	ND		mg/kg	2.00	0.107	1	06/18/19 11:16	06/18/19 13:06	1,6010D	LC
Nickel, Total	ND		mg/kg	1.00	0.097	1	06/18/19 11:16	06/18/19 13:06	1,6010D	LC
Selenium, Total	ND		mg/kg	0.800	0.103	1	06/18/19 11:16	06/18/19 13:06	1,6010D	LC
Silver, Total	ND		mg/kg	0.400	0.113	1	06/18/19 11:16	06/18/19 13:06	1,6010D	LC
Thallium, Total	ND		mg/kg	0.800	0.126	1	06/18/19 11:16	06/18/19 13:06	1,6010D	LC
Zinc, Total	ND		mg/kg	2.00	0.117	1	06/18/19 11:16	06/18/19 13:06	1,6010D	LC

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-09 Batch: WG1249980-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	06/18/19 16:16	06/18/19 17:06	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: L1926113

Report Date: 06/19/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-09 Batch: WG1249814-2 SRM Lot Number: D105-540								
Antimony, Total	159		-		19-249	-		
Arsenic, Total	94		-		70-130	-		
Beryllium, Total	96		-		75-125	-		
Cadmium, Total	97		-		75-125	-		
Chromium, Total	87		-		70-130	-		
Copper, Total	95		-		75-125	-		
Lead, Total	87		-		71-128	-		
Nickel, Total	92		-		70-131	-		
Selenium, Total	93		-		63-137	-		
Silver, Total	88		-		69-131	-		
Thallium, Total	91		-		68-132	-		
Zinc, Total	92		-		70-130	-		
Total Metals - Mansfield Lab Associated sample(s): 01-09 Batch: WG1249980-2 SRM Lot Number: D105-540								
Mercury, Total	89		-		60-141	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926113
Report Date: 06/19/19

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): 01-09 QC Batch ID: WG1249814-3 QC Sample: L1925787-01 Client ID: MS Sample												
Antimony, Total	1.96J	42	36.0	86		-	-		75-125	-		20
Arsenic, Total	2.32	10.1	12.4	100		-	-		75-125	-		20
Beryllium, Total	0.116J	4.2	3.75	89		-	-		75-125	-		20
Cadmium, Total	0.903	4.28	4.64	87		-	-		75-125	-		20
Chromium, Total	9.11	16.8	23.0	83		-	-		75-125	-		20
Copper, Total	64.2	21	81.4	82		-	-		75-125	-		20
Lead, Total	22.7	42.8	61.2	90		-	-		75-125	-		20
Nickel, Total	10.5	42	44.8	82		-	-		75-125	-		20
Selenium, Total	ND	10.1	9.04	90		-	-		75-125	-		20
Silver, Total	ND	25.2	23.0	91		-	-		75-125	-		20
Thallium, Total	ND	10.1	7.62	76		-	-		75-125	-		20
Zinc, Total	42.1	42	75.4	79		-	-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG1249980-3 QC Sample: L1924816-01 Client ID: MS Sample												
Mercury, Total	1.23	0.186	1.24	**5**	Q	-	-		80-120	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926113
Report Date: 06/19/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG1249814-4 QC Sample: L1925787-01 Client ID: DUP Sample						
Antimony, Total	1.96J	0.763J	mg/kg	NC		20
Arsenic, Total	2.32	4.36	mg/kg	**61**	Q	20
Beryllium, Total	0.116J	0.115J	mg/kg	NC		20
Cadmium, Total	0.903	0.886	mg/kg	2		20
Chromium, Total	9.11	10.2	mg/kg	11		20
Copper, Total	64.2	78.0	mg/kg	19		20
Lead, Total	22.7	26.8	mg/kg	17		20
Nickel, Total	10.5	11.2	mg/kg	6		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Thallium, Total	ND	ND	mg/kg	NC		20
Zinc, Total	42.1	44.3	mg/kg	5		20
Total Metals - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG1249980-4 QC Sample: L1924816-01 Client ID: DUP Sample						
Mercury, Total	1.23	0.489	mg/kg	**86**	Q	20

INORGANICS
&
MISCELLANEOUS

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926113
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1926113-01
Client ID: S-1
Sample Location: 1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY

Date Collected: 06/17/19 08:50
Date Received: 06/17/19
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	79.7		%	0.100	NA	1	-	06/18/19 02:53	121,2540G	YA

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926113
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1926113-02
Client ID: S-2
Sample Location: 1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY

Date Collected: 06/17/19 08:55
Date Received: 06/17/19
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	70.3		%	0.100	NA	1	-	06/18/19 02:53	121,2540G	YA

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926113
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1926113-03
Client ID: S-3
Sample Location: 1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY

Date Collected: 06/17/19 09:05
Date Received: 06/17/19
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	93.8		%	0.100	NA	1	-	06/18/19 02:53	121,2540G	YA

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926113
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1926113-04
Client ID: S-4
Sample Location: 1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY

Date Collected: 06/17/19 09:25
Date Received: 06/17/19
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	70.3		%	0.100	NA	1	-	06/18/19 02:53	121,2540G	YA

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926113
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1926113-05
Client ID: S-5
Sample Location: 1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY

Date Collected: 06/17/19 10:05
Date Received: 06/17/19
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	89.0		%	0.100	NA	1	-	06/18/19 02:53	121,2540G	YA

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926113
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1926113-06
Client ID: S-6
Sample Location: 1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY

Date Collected: 06/17/19 10:10
Date Received: 06/17/19
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	92.6		%	0.100	NA	1	-	06/18/19 02:53	121,2540G	YA

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926113
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1926113-07
Client ID: B-1 (0-2.5')
Sample Location: 1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY

Date Collected: 06/17/19 10:45
Date Received: 06/17/19
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	86.6		%	0.100	NA	1	-	06/18/19 02:53	121,2540G	YA

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926113
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1926113-08
Client ID: S-7
Sample Location: 1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY

Date Collected: 06/17/19 11:10
Date Received: 06/17/19
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	71.9		%	0.100	NA	1	-	06/18/19 02:53	121,2540G	YA

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926113
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1926113-09
Client ID: B-2 (0-2')
Sample Location: 1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY

Date Collected: 06/17/19 13:20
Date Received: 06/17/19
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	85.0		%	0.100	NA	1	-	06/18/19 02:53	121,2540G	YA

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926113
Report Date: 06/19/19

SAMPLE RESULTS

Lab ID: L1926113-12
Client ID: B-4 (8-10')
Sample Location: 1900 RIVER ROAD, CASTLETON-ON-HUDSON, NY

Date Collected: 06/17/19 14:25
Date Received: 06/17/19
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	80.4		%	0.100	NA	1	-	06/18/19 02:53	121,2540G	YA

Lab Duplicate Analysis

Batch Quality Control

Project Name: HVP-CASTLETON

Project Number: 19009EGP

Lab Number: L1926113

Report Date: 06/19/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-09,12 QC Batch ID: WG1249687-1 QC Sample: L1925072-01 Client ID: DUP Sample						
Solids, Total	41.7	40.0	%	4		20

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926113
Report Date: 06/19/19

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(*)
L1926113-01A	Glass 60mL/2oz unpreserved	A	NA		3.6	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)
L1926113-01B	Vial Large Septa unpreserved (4oz)	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L1926113-01D	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(14)
L1926113-01X	Vial MeOH preserved split	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L1926113-01Y	Vial Water preserved split	A	NA		3.6	Y	Absent	18-JUN-19 03:30	NYTCL-8260-R2(14)
L1926113-01Z	Vial Water preserved split	A	NA		3.6	Y	Absent	18-JUN-19 03:30	NYTCL-8260-R2(14)
L1926113-02A	Glass 60mL/2oz unpreserved	A	NA		3.6	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)
L1926113-02B	Vial Large Septa unpreserved (4oz)	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L1926113-02D	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(14)
L1926113-02X	Vial MeOH preserved split	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L1926113-02Y	Vial Water preserved split	A	NA		3.6	Y	Absent	18-JUN-19 03:30	NYTCL-8260-R2(14)
L1926113-02Z	Vial Water preserved split	A	NA		3.6	Y	Absent	18-JUN-19 03:30	NYTCL-8260-R2(14)
L1926113-03A	Glass 60mL/2oz unpreserved	A	NA		3.6	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)
L1926113-03B	Vial Large Septa unpreserved (4oz)	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L1926113-03D	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(14)
L1926113-03X	Vial MeOH preserved split	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L1926113-03Y	Vial Water preserved split	A	NA		3.6	Y	Absent	18-JUN-19 07:29	NYTCL-8260-R2(14)
L1926113-03Z	Vial Water preserved split	A	NA		3.6	Y	Absent	18-JUN-19 03:30	NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926113
Report Date: 06/19/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1926113-04A	Glass 60mL/2oz unpreserved	A	NA		3.6	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)
L1926113-04B	Vial Large Septa unpreserved (4oz)	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L1926113-04D	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(14)
L1926113-04X	Vial MeOH preserved split	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L1926113-04Y	Vial Water preserved split	A	NA		3.6	Y	Absent	18-JUN-19 03:30	NYTCL-8260-R2(14)
L1926113-04Z	Vial Water preserved split	A	NA		3.6	Y	Absent	18-JUN-19 03:30	NYTCL-8260-R2(14)
L1926113-05A	Glass 60mL/2oz unpreserved	A	NA		3.6	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)
L1926113-05B	Vial Large Septa unpreserved (4oz)	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L1926113-05D	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(14)
L1926113-05X	Vial MeOH preserved split	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L1926113-05Y	Vial Water preserved split	A	NA		3.6	Y	Absent	18-JUN-19 03:30	NYTCL-8260-R2(14)
L1926113-05Z	Vial Water preserved split	A	NA		3.6	Y	Absent	18-JUN-19 03:30	NYTCL-8260-R2(14)
L1926113-06A	Glass 60mL/2oz unpreserved	A	NA		3.6	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)
L1926113-06B	Vial Large Septa unpreserved (4oz)	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L1926113-06D	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(14)
L1926113-06X	Vial MeOH preserved split	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L1926113-06Y	Vial Water preserved split	A	NA		3.6	Y	Absent	18-JUN-19 03:30	NYTCL-8260-R2(14)
L1926113-06Z	Vial Water preserved split	A	NA		3.6	Y	Absent	18-JUN-19 03:30	NYTCL-8260-R2(14)
L1926113-07A	Glass 60mL/2oz unpreserved	A	NA		3.6	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)
L1926113-07B	Vial Large Septa unpreserved (4oz)	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L1926113-07D	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(14)
L1926113-07X	Vial MeOH preserved split	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L1926113-07Y	Vial Water preserved split	A	NA		3.6	Y	Absent	18-JUN-19 03:30	NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: HVP-CASTLETON
Project Number: 19009EGP

Lab Number: L1926113
Report Date: 06/19/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1926113-07Z	Vial Water preserved split	A	NA		3.6	Y	Absent	18-JUN-19 03:30	NYTCL-8260-R2(14)
L1926113-08A	Glass 60mL/2oz unpreserved	A	NA		3.6	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)
L1926113-08B	Vial Large Septa unpreserved (4oz)	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L1926113-08D	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(14)
L1926113-08X	Vial MeOH preserved split	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L1926113-08Y	Vial Water preserved split	A	NA		3.6	Y	Absent	18-JUN-19 03:30	NYTCL-8260-R2(14)
L1926113-08Z	Vial Water preserved split	A	NA		3.6	Y	Absent	18-JUN-19 03:30	NYTCL-8260-R2(14)
L1926113-09A	Glass 60mL/2oz unpreserved	A	NA		3.6	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)
L1926113-09B	Vial Large Septa unpreserved (4oz)	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L1926113-09D	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14),TS(7),NYTCL-8082(14)
L1926113-09X	Vial MeOH preserved split	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L1926113-09Y	Vial Water preserved split	A	NA		3.6	Y	Absent	18-JUN-19 03:30	NYTCL-8260-R2(14)
L1926113-09Z	Vial Water preserved split	A	NA		3.6	Y	Absent	18-JUN-19 03:30	NYTCL-8260-R2(14)
L1926113-10A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		ARCHIVE()
L1926113-10B	Vial Large Septa unpreserved (4oz)	A	NA		3.6	Y	Absent		ARCHIVE()
L1926113-10C	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		ARCHIVE()
L1926113-11A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		ARCHIVE()
L1926113-11B	Vial Large Septa unpreserved (4oz)	A	NA		3.6	Y	Absent		ARCHIVE()
L1926113-11C	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		ARCHIVE()
L1926113-12A	Glass 60mL/2oz unpreserved	A	NA		3.6	Y	Absent		HOLD-METAL(180)
L1926113-12B	Vial Large Septa unpreserved (4oz)	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L1926113-12C	Glass 250ml/8oz unpreserved	A	NA		3.6	Y	Absent		NYTCL-8270(14),TS(7),HOLD-8082()
L1926113-12X	Vial MeOH preserved split	A	NA		3.6	Y	Absent		NYTCL-8260-R2(14)
L1926113-12Y	Vial Water preserved split	A	NA		3.6	Y	Absent	18-JUN-19 03:30	NYTCL-8260-R2(14)
L1926113-12Z	Vial Water preserved split	A	NA		3.6	Y	Absent	18-JUN-19 03:30	NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name:	HVP-CASTLETON	**Lab Number:**	L1926113
Project Number:	19009EGP	**Report Date:**	06/19/19

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:**	L1926113
Project Number:	19009EGP	**Report Date:**	06/19/19

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	**Lab Number:**	L1926113
Project Number:	19009EGP	**Report Date:**	06/19/19

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.

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, SM4500Cl-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.

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Page 1 of 2

Date Rec'd in Lab: 6/14/19

ALPHA Job #: L1926113

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Phone: 518 378-3512
Fax:
Email: bjacot@greystone-eng.com

Project Information

Project Name: HVP - Castleton
Project Location: 1900 River Road, Castleton-on-Hudson NY
Project #: 19009EGP
(Use Project name as Project #) ☐
Project Manager: Scott Bryant
ALPHAQuote #:

Turn-Around Time

Standard ☐ Due Date: 6/18/19 COB
Rush (only if pre approved) ☑ # of Days: 24 hour

Deliverables

☑ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☑ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☑ Same as Client Info
PO #

Disposal Site Information

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs 8260	SVOCs 8270	PCBs	PP Metals	Sample Specific Comments	Total Bottle
26113-01	S-1	6/19/19	0850	SOIL	SKB	✓	✓	✓	✓		3
02	S-2		0855								
03	S-3		0905								
04	S-4		0925								
05	S-5		1005								
06	S-6		1010								
07	B-1 (0-2.5')		1045								
08	S-7		1110								
09	B-2 (0-2')		1320								
10	B-2 (5-7')		1330							ARCHIVE	

Container Type	4G 03	8G 03	8G 03	2G 03				
Preservative	A	A	A	A				

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Scott K/Eng	6/17/19 1550		6/17/19 1550
	6/17/19 2245		6/18/19 0115

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.)

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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

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: 2 of 2

Date Rec'd in Lab: 6/18/19

ALPHA Job #: L1926113

Client Information
Client:
Address: SAME
Phone:
Fax:
Email:

Project Information
Project Name: HVP - CASTLETON
Project Location:
Project #
(Use Project name as Project #) ☐ SAME
Project Manager:
ALPHAQuote #:

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☑ # of Days:

Deliverables
☑ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☑ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☑ Same as Client Info
PO #

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs 8260	SVOCs 8270	PCBs	PP Metals	Sample Specific Comments	Total Bottle
26113-1	S-8	6/17/19	1345	SOIL	SKB	✓	✓	✓	✓	ARCHIVE	3
26113-2	B-4 (8-10')	↓	1425	↓	↓	✓	✓	✓	✓	HOLD PCBs + Metals	3

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	4G 03	8G 03	8G 03	2G 03				
Preservative	A	A	A	A				

Relinquished By:	Date/Time	Received By:	Date/Time
Scott K Brown	6/17/19 1550		6/17/19 1550
	6/17/19 2245		6/18/19 0145

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.)

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

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA100\2019\190618A\
Data File : V00190618A14.D
Acq On : 18 Jun 2019 12:17 pm
Operator : VOA100:MV
Sample : l1926113-12,31H,5.50,5,0.100,,x
Misc : WG1249922,ICAL15879
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 18 12:46:33 2019
Quant Method : I:\VOLATILES\VOA100\2019\190618A\V100_190614N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Jun 17 12:25:42 2019
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox8A\V00190618A01.D•