ANALYTICAL REPORT

Lab Number:	L2029209
Client:	Haley & Aldrich 200 Town Centre Drive Suite 2 Rochester, NY 14623-4264
ATTN:	JIm Siegfried
Phone:	(585) 359-9000
Project Name:	CORNING HAUGHTON PARK-MVPP
Project Number:	130457-033 5101
Report Date:	07/16/20

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).

Project Name: CORNING HAUGHTON PARK-MVPP
Project Number: 130457-033 5101

Lab Number: L2029209
Report Date: 07/16/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2029209-01	R001-071020-1300	SOIL	CORNING, NY	07/10/20 13:00	07/10/20
L2029209-02	R002-071020-1315	SOIL	CORNING, NY	07/10/20 13:15	07/10/20
L2029209-03	R003-071020-1330	SOIL	CORNING, NY	07/10/20 13:30	07/10/20

Project Name:	CORNING HAUGHTON PARK-MVPP	**Lab Number:**	L2029209
Project Number:	130457-033 5101	**Report Date:**	07/16/20

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:	CORNING HAUGHTON PARK-MVPP	**Lab Number:**	L2029209
Project Number:	130457-033 5101	**Report Date:**	07/16/20

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

PCBs

L2029209-01 (R001-071020-1300): The sample has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

L2029209-01 (R001-071020-1300): The surrogate recoveries are below the acceptance criteria for 2,4,5,6-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.

TPH, HEM-SGT

WG1391534: A laboratory duplicate was performed; however, the result cannot be reported due to a laboratory oversight.

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: Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative Date: 07/16/20

ORGANICS

PCBS

Project Name: CORNING HAUGHTON PARK-MVPP **Lab Number:** L2029209

Project Number: 130457-033 5101 **Report Date:** 07/16/20

SAMPLE RESULTS

Lab ID: L2029209-01 D
Client ID: R001-071020-1300
Sample Location: CORNING, NY

Date Collected: 07/10/20 13:00
Date Received: 07/10/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/13/20 19:20
Analyst: JM
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 07/12/20 11:07
Cleanup Method: EPA 3665A
Cleanup Date: 07/12/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/13/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	698	61.9	20	A
Aroclor 1221	ND		ug/kg	698	69.9	20	A
Aroclor 1232	ND		ug/kg	698	148.	20	A
Aroclor 1242	ND		ug/kg	698	94.0	20	A
Aroclor 1248	ND		ug/kg	698	105.	20	A
Aroclor 1254	ND		ug/kg	698	76.3	20	A
Aroclor 1260	3300		ug/kg	698	129.	20	B
Aroclor 1262	ND		ug/kg	698	88.6	20	A
Aroclor 1268	ND		ug/kg	698	72.3	20	A
PCBs, Total	3300		ug/kg	698	61.9	20	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: CORNING HAUGHTON PARK-MVPP
Project Number: 130457-033 5101
Lab Number: L2029209
Report Date: 07/16/20

SAMPLE RESULTS

Lab ID: L2029209-02
Client ID: R002-071020-1315
Sample Location: CORNING, NY

Date Collected: 07/10/20 13:15
Date Received: 07/10/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/14/20 08:34
Analyst: JAW
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 07/14/20 01:54
Cleanup Method: EPA 3665A
Cleanup Date: 07/14/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/14/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.9	3.28	1	A
Aroclor 1221	ND		ug/kg	36.9	3.70	1	A
Aroclor 1232	ND		ug/kg	36.9	7.83	1	A
Aroclor 1242	ND		ug/kg	36.9	4.98	1	A
Aroclor 1248	ND		ug/kg	36.9	5.54	1	A
Aroclor 1254	146		ug/kg	36.9	4.04	1	A
Aroclor 1260	58.3		ug/kg	36.9	6.82	1	B
Aroclor 1262	ND		ug/kg	36.9	4.69	1	A
Aroclor 1268	ND		ug/kg	36.9	3.82	1	A
PCBs, Total	204		ug/kg	36.9	3.28	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: CORNING HAUGHTON PARK-MVPP
Project Number: 130457-033 5101
Lab Number: L2029209
Report Date: 07/16/20

SAMPLE RESULTS

Lab ID: L2029209-03
Client ID: R003-071020-1330
Sample Location: CORNING, NY

Date Collected: 07/10/20 13:30
Date Received: 07/10/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/13/20 12:11
Analyst: JM
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 07/12/20 11:08
Cleanup Method: EPA 3665A
Cleanup Date: 07/12/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/13/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.8	3.27	1	A
Aroclor 1221	ND		ug/kg	36.8	3.69	1	A
Aroclor 1232	ND		ug/kg	36.8	7.80	1	A
Aroclor 1242	ND		ug/kg	36.8	4.96	1	A
Aroclor 1248	ND		ug/kg	36.8	5.52	1	A
Aroclor 1254	ND		ug/kg	36.8	4.02	1	A
Aroclor 1260	498		ug/kg	36.8	6.80	1	B
Aroclor 1262	ND		ug/kg	36.8	4.67	1	A
Aroclor 1268	ND		ug/kg	36.8	3.81	1	A
PCBs, Total	498		ug/kg	36.8	3.27	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: CORNING HAUGHTON PARK-MVPP
Project Number: 130457-033 5101
Lab Number: L2029209
Report Date: 07/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 07/12/20 19:38
Analyst: HT

Extraction Method: EPA 3546
Extraction Date: 07/11/20 21:34
Cleanup Method: EPA 3665A
Cleanup Date: 07/12/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/12/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01,03 Batch: WG1391221-1						
Aroclor 1016	ND		ug/kg	32.6	2.90	A
Aroclor 1221	ND		ug/kg	32.6	3.27	A
Aroclor 1232	ND		ug/kg	32.6	6.92	A
Aroclor 1242	ND		ug/kg	32.6	4.40	A
Aroclor 1248	ND		ug/kg	32.6	4.90	A
Aroclor 1254	ND		ug/kg	32.6	3.57	A
Aroclor 1260	ND		ug/kg	32.6	6.04	A
Aroclor 1262	ND		ug/kg	32.6	4.15	A
Aroclor 1268	ND		ug/kg	32.6	3.38	A
PCBs, Total	ND		ug/kg	32.6	2.90	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	60		30-150	B

Project Name: CORNING HAUGHTON PARK-MVPP
Project Number: 130457-033 5101
Lab Number: L2029209
Report Date: 07/16/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 07/14/20 05:07
Analyst: HT

Extraction Method: EPA 3546
Extraction Date: 07/13/20 15:32
Cleanup Method: EPA 3665A
Cleanup Date: 07/14/20
Cleanup Method: EPA 3660B
Cleanup Date: 07/14/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02 Batch: WG1391588-1						
Aroclor 1016	ND		ug/kg	33.0	2.93	A
Aroclor 1221	ND		ug/kg	33.0	3.31	A
Aroclor 1232	ND		ug/kg	33.0	7.00	A
Aroclor 1242	ND		ug/kg	33.0	4.45	A
Aroclor 1248	ND		ug/kg	33.0	4.95	A
Aroclor 1254	ND		ug/kg	33.0	3.61	A
Aroclor 1260	ND		ug/kg	33.0	6.10	A
Aroclor 1262	ND		ug/kg	33.0	4.19	A
Aroclor 1268	ND		ug/kg	33.0	3.42	A
PCBs, Total	ND		ug/kg	33.0	2.93	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	64		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: CORNING HAUGHTON PARK-MVPP

Project Number: 130457-033 5101

Lab Number: L2029209

Report Date: 07/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01,03 Batch: WG1391221-2 WG1391221-3									
Aroclor 1016	62		64		40-140	3		50	A
Aroclor 1260	54		55		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		58		30-150	A
Decachlorobiphenyl	51		53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		64		30-150	B
Decachlorobiphenyl	62		64		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: CORNING HAUGHTON PARK-MVPP

Project Number: 130457-033 5101

Lab Number: L2029209

Report Date: 07/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02 Batch: WG1391588-2 WG1391588-3									
Aroclor 1016	74		80		40-140	8		50	A
Aroclor 1260	73		78		40-140	7		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		63		30-150	A
Decachlorobiphenyl	75		80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		64		30-150	B
Decachlorobiphenyl	57		67		30-150	B

METALS

Project Name: CORNING HAUGHTON PARK-MVPP **Lab Number:** L2029209

Project Number: 130457-033 5101 **Report Date:** 07/16/20

SAMPLE RESULTS

Lab ID: L2029209-01 Date Collected: 07/10/20 13:00

Client ID: R001-071020-1300 Date Received: 07/10/20

Sample Location: CORNING, NY Field Prep: Not Specified

Sample Depth: TCLP/SPLP Ext. Date: 07/11/20 15:07

Matrix: Soil

Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	0.029	J	mg/l	1.00	0.019	1	07/14/20 11:32	07/14/20 21:59	EPA 3015	1,6010D	BV
Barium, TCLP	0.905		mg/l	0.500	0.021	1	07/14/20 11:32	07/14/20 21:59	EPA 3015	1,6010D	BV
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	07/14/20 11:32	07/14/20 21:59	EPA 3015	1,6010D	BV
Chromium, TCLP	0.026	J	mg/l	0.200	0.021	1	07/14/20 11:32	07/14/20 21:59	EPA 3015	1,6010D	BV
Lead, TCLP	0.221	J	mg/l	0.500	0.027	1	07/14/20 11:32	07/14/20 21:59	EPA 3015	1,6010D	BV
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	07/14/20 12:17	07/15/20 04:14	EPA 7470A	1,7470A	AL
Selenium, TCLP	ND		mg/l	0.500	0.035	1	07/14/20 11:32	07/14/20 21:59	EPA 3015	1,6010D	BV
Silver, TCLP	ND		mg/l	0.100	0.028	1	07/14/20 11:32	07/14/20 21:59	EPA 3015	1,6010D	BV

Project Name: CORNING HAUGHTON PARK-MVPP **Lab Number:** L2029209

Project Number: 130457-033 5101 **Report Date:** 07/16/20

SAMPLE RESULTS

Lab ID: L2029209-02 Date Collected: 07/10/20 13:15

Client ID: R002-071020-1315 Date Received: 07/10/20

Sample Location: CORNING, NY Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 07/11/20 15:07

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	0.021	J	mg/l	1.00	0.019	1	07/14/20 11:32	07/14/20 22:04	EPA 3015	1,6010D	BV
Barium, TCLP	0.620		mg/l	0.500	0.021	1	07/14/20 11:32	07/14/20 22:04	EPA 3015	1,6010D	BV
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	07/14/20 11:32	07/14/20 22:04	EPA 3015	1,6010D	BV
Chromium, TCLP	ND		mg/l	0.200	0.021	1	07/14/20 11:32	07/14/20 22:04	EPA 3015	1,6010D	BV
Lead, TCLP	0.448	J	mg/l	0.500	0.027	1	07/14/20 11:32	07/14/20 22:04	EPA 3015	1,6010D	BV
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	07/14/20 12:17	07/15/20 04:27	EPA 7470A	1,7470A	AL
Selenium, TCLP	ND		mg/l	0.500	0.035	1	07/14/20 11:32	07/14/20 22:04	EPA 3015	1,6010D	BV
Silver, TCLP	ND		mg/l	0.100	0.028	1	07/14/20 11:32	07/14/20 22:04	EPA 3015	1,6010D	BV

Project Name: CORNING HAUGHTON PARK-MVPP **Lab Number:** L2029209

Project Number: 130457-033 5101 **Report Date:** 07/16/20

SAMPLE RESULTS

Lab ID: L2029209-03 Date Collected: 07/10/20 13:30

Client ID: R003-071020-1330 Date Received: 07/10/20

Sample Location: CORNING, NY Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 07/11/20 15:07

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	07/14/20 11:32	07/14/20 22:08	EPA 3015	1,6010D	BV
Barium, TCLP	0.709		mg/l	0.500	0.021	1	07/14/20 11:32	07/14/20 22:08	EPA 3015	1,6010D	BV
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	07/14/20 11:32	07/14/20 22:08	EPA 3015	1,6010D	BV
Chromium, TCLP	0.023	J	mg/l	0.200	0.021	1	07/14/20 11:32	07/14/20 22:08	EPA 3015	1,6010D	BV
Lead, TCLP	0.127	J	mg/l	0.500	0.027	1	07/14/20 11:32	07/14/20 22:08	EPA 3015	1,6010D	BV
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	07/14/20 12:17	07/15/20 04:30	EPA 7470A	1,7470A	AL
Selenium, TCLP	ND		mg/l	0.500	0.035	1	07/14/20 11:32	07/14/20 22:08	EPA 3015	1,6010D	BV
Silver, TCLP	ND		mg/l	0.100	0.028	1	07/14/20 11:32	07/14/20 22:08	EPA 3015	1,6010D	BV

Project Name: CORNING HAUGHTON PARK-MVPP **Lab Number:** L2029209

Project Number: 130457-033 5101 **Report Date:** 07/16/20

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01-03 Batch: WG1391890-1										
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	07/14/20 10:45	07/14/20 17:33	1,6010D	BV
Barium, TCLP	ND		mg/l	0.500	0.021	1	07/14/20 10:45	07/14/20 17:33	1,6010D	BV
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	07/14/20 10:45	07/14/20 17:33	1,6010D	BV
Chromium, TCLP	ND		mg/l	0.200	0.021	1	07/14/20 10:45	07/14/20 17:33	1,6010D	BV
Lead, TCLP	ND		mg/l	0.500	0.027	1	07/14/20 10:45	07/14/20 17:33	1,6010D	BV
Selenium, TCLP	ND		mg/l	0.500	0.035	1	07/14/20 10:45	07/14/20 17:33	1,6010D	BV
Silver, TCLP	ND		mg/l	0.100	0.028	1	07/14/20 10:45	07/14/20 17:33	1,6010D	BV

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 07/10/20 22:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01-03 Batch: WG1391893-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	07/14/20 12:17	07/15/20 04:07	1,7470A	AL

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 07/10/20 22:11

Lab Control Sample Analysis

Batch Quality Control

Project Name: CORNING HAUGHTON PARK-MVPP

Project Number: 130457-033 5101

Lab Number: L2029209

Report Date: 07/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1391890-2								
Arsenic, TCLP	105		-		75-125	-		20
Barium, TCLP	100		-		75-125	-		20
Cadmium, TCLP	102		-		75-125	-		20
Chromium, TCLP	100		-		75-125	-		20
Lead, TCLP	97		-		75-125	-		20
Selenium, TCLP	101		-		75-125	-		20
Silver, TCLP	99		-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 Batch: WG1391893-2								
Mercury, TCLP	97		-		80-120	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: CORNING HAUGHTON PARK-MVPP
Project Number: 130457-033 5101

Lab Number: L2029209
Report Date: 07/16/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1391890-3 QC Sample: L2028857-01 Client ID: MS Sample												
Arsenic, TCLP	0.025J	1.2	1.21	101		-	-		75-125	-		20
Barium, TCLP	0.279J	20	18.8	94		-	-		75-125	-		20
Cadmium, TCLP	ND	0.51	0.481	94		-	-		75-125	-		20
Chromium, TCLP	0.028J	2	1.85	92		-	-		75-125	-		20
Lead, TCLP	0.097J	5.1	4.65	91		-	-		75-125	-		20
Selenium, TCLP	ND	1.2	1.15	96		-	-		75-125	-		20
Silver, TCLP	ND	0.5	0.462	92		-	-		75-125	-		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1391893-3 QC Sample: L2029209-01 Client ID: R001-071020-1300												
Mercury, TCLP	ND	0.025	0.0229	92		-	-		80-120	-		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: CORNING HAUGHTON PARK-MVPP

Project Number: 130457-033 5101

Lab Number: L2029209

Report Date: 07/16/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1391890-4 QC Sample: L2028857-01 Client ID: DUP Sample						
Lead, TCLP	0.097J	0.083J	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1391893-4 QC Sample: L2029209-01 Client ID: R001-071020-1300						
Mercury, TCLP	ND	ND	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: CORNING HAUGHTON PARK-MVPP
Project Number: 130457-033 5101
Lab Number: L2029209
Report Date: 07/16/20

SAMPLE RESULTS

Lab ID: L2029209-01
Client ID: R001-071020-1300
Sample Location: CORNING, NY
Sample Depth:
Matrix: Soil

Date Collected: 07/10/20 13:00
Date Received: 07/10/20
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	07/13/20 04:48	1,1030	BR

Project Name: CORNING HAUGHTON PARK-MVPP
Project Number: 130457-033 5101
Lab Number: L2029209
Report Date: 07/16/20

SAMPLE RESULTS

Lab ID: L2029209-02
Client ID: R002-071020-1315
Sample Location: CORNING, NY
Sample Depth:
Matrix: Soil

Date Collected: 07/10/20 13:15
Date Received: 07/10/20
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	07/13/20 04:48	1,1030	BR

Project Name: CORNING HAUGHTON PARK-MVPP
Project Number: 130457-033 5101
Lab Number: L2029209
Report Date: 07/16/20

SAMPLE RESULTS

Lab ID: L2029209-03
Client ID: R003-071020-1330
Sample Location: CORNING, NY

Date Collected: 07/10/20 13:30
Date Received: 07/10/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	07/13/20 04:48	1,1030	BR

Project Name: CORNING HAUGHTON PARK-MVPP
Project Number: 130457-033 5101
Lab Number: L2029209
Report Date: 07/16/20

SAMPLE RESULTS

Lab ID: L2029209-01
Client ID: R001-071020-1300
Sample Location: CORNING, NY
Sample Depth:
Matrix: Soil

Date Collected: 07/10/20 13:00
Date Received: 07/10/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.2		%	0.100	NA	1	-	07/11/20 14:11	121,2540G	RI
pH (H)	8.0		SU	-	NA	1	-	07/13/20 18:22	1,9045D	AS
TPH, HEM-SGT	ND		mg/kg	219	219.	1	07/13/20 09:50	07/14/20 09:50	1,9071B	DR
Cyanide, Reactive	ND		mg/kg	10	10.	1	07/12/20 18:48	07/12/20 20:09	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	10.	1	07/12/20 18:48	07/12/20 20:00	125,7.3	KF

Project Name: CORNING HAUGHTON PARK-MVPP
Project Number: 130457-033 5101
Lab Number: L2029209
Report Date: 07/16/20

SAMPLE RESULTS

Lab ID: L2029209-02
Client ID: R002-071020-1315
Sample Location: CORNING, NY
Sample Depth:
Matrix: Soil

Date Collected: 07/10/20 13:15
Date Received: 07/10/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.7		%	0.100	NA	1	-	07/11/20 14:11	121,2540G	RI
pH (H)	7.7		SU	-	NA	1	-	07/13/20 18:22	1,9045D	AS
TPH, HEM-SGT	586		mg/kg	225	225.	1	07/13/20 09:50	07/14/20 09:50	1,9071B	DR
Cyanide, Reactive	ND		mg/kg	10	10.	1	07/12/20 18:48	07/12/20 20:09	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	10.	1	07/12/20 18:48	07/12/20 20:01	125,7.3	KF

Project Name: CORNING HAUGHTON PARK-MVPP
Project Number: 130457-033 5101
Lab Number: L2029209
Report Date: 07/16/20

SAMPLE RESULTS

Lab ID: L2029209-03
Client ID: R003-071020-1330
Sample Location: CORNING, NY
Sample Depth:
Matrix: Soil

Date Collected: 07/10/20 13:30
Date Received: 07/10/20
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.4		%	0.100	NA	1	-	07/11/20 14:11	121,2540G	RI
pH (H)	8.8		SU	-	NA	1	-	07/13/20 18:22	1,9045D	AS
TPH, HEM-SGT	ND		mg/kg	231	231.	1	07/13/20 09:50	07/14/20 09:50	1,9071B	DR
Cyanide, Reactive	ND		mg/kg	10	10.	1	07/12/20 18:48	07/12/20 20:09	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	10.	1	07/12/20 18:48	07/12/20 20:01	125,7.3	KF

Project Name: CORNING HAUGHTON PARK-MVPP **Lab Number:** L2029209

Project Number: 130457-033 5101 **Report Date:** 07/16/20

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1391327-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	07/12/20 18:48	07/12/20 19:56	125,7.3	KF
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1391328-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	07/12/20 18:48	07/12/20 20:05	125,7.3	KF
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1391534-1										
TPH, HEM-SGT	ND		mg/kg	200	200.	1	07/13/20 09:50	07/14/20 09:50	1,9071B	DR

Lab Control Sample Analysis

Batch Quality Control

Project Name: CORNING HAUGHTON PARK-MVPP

Project Number: 130457-033 5101

Lab Number: L2029209

Report Date: 07/16/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1391327-2								
Sulfide, Reactive	104		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1391328-2								
Cyanide, Reactive	100		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1391534-2								
TPH, HEM-SGT	94		-		64-132	-		34
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1391635-1								
pH	100		-		99-101	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: CORNING HAUGHTON PARK-MVPP
Project Number: 130457-033 5101

Lab Number: L2029209
Report Date: 07/16/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1391534-4 QC Sample: L2028987-01 Client ID: MS Sample												
TPH, HEM-SGT	323	2490	1570	**63**	Q	-	-		64-132	-		34

Lab Duplicate Analysis

Batch Quality Control

Project Name: CORNING HAUGHTON PARK-MVPP

Project Number: 130457-033 5101

Lab Number: L2029209

Report Date: 07/16/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1391172-1 QC Sample: L2029324-02 Client ID: DUP Sample						
Solids, Total	82.6	81.6	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1391327-3 QC Sample: L2029238-13 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1391328-3 QC Sample: L2029238-13 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1391635-2 QC Sample: L2029184-02 Client ID: DUP Sample						
pH	10.5	12	SU	**13**	Q	5

Project Name: CORNING HAUGHTON PARK-MVPP
Project Number: 130457-033 5101

Lab Number: L2029209
Report Date: 07/16/20

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(*)
L2029209-01A	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		TS(7)
L2029209-01B	Glass 250ml/8oz unpreserved	A	NA		2.3	Y	Absent		IGNIT-1030(14),REACTS(14),TPH-9071(28),PH-9045(1),NYTCL-8082(14),REACTCN(14)
L2029209-01C	Glass 500ml/16oz unpreserved	A	NA		2.3	Y	Absent		REACTS(14),IGNIT-1030(14),TPH-9071(28),PH-9045(1),NYTCL-8082(14),REACTCN(14)
L2029209-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.3	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2029209-01X9	Tumble Vessel	A	NA		2.3	Y	Absent		-
L2029209-02A	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		TS(7)
L2029209-02B	Glass 250ml/8oz unpreserved	A	NA		2.3	Y	Absent		IGNIT-1030(14),REACTS(14),TPH-9071(28),PH-9045(1),REACTCN(14),NYTCL-8082(14)
L2029209-02C	Glass 500ml/16oz unpreserved	A	NA		2.3	Y	Absent		IGNIT-1030(14),REACTS(14),TPH-9071(28),PH-9045(1),REACTCN(14),NYTCL-8082(14)
L2029209-02X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.3	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2029209-02X9	Tumble Vessel	A	NA		2.3	Y	Absent		-
L2029209-03A	Plastic 2oz unpreserved for TS	A	NA		2.3	Y	Absent		TS(7)
L2029209-03B	Glass 250ml/8oz unpreserved	A	NA		2.3	Y	Absent		IGNIT-1030(14),REACTS(14),TPH-9071(28),PH-9045(1),NYTCL-8082(14),REACTCN(14)
L2029209-03C	Glass 500ml/16oz unpreserved	A	NA		2.3	Y	Absent		IGNIT-1030(14),REACTS(14),TPH-9071(28),PH-9045(1),NYTCL-8082(14),REACTCN(14)
L2029209-03X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.3	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2029209-03X9	Tumble Vessel	A	NA		2.3	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name: CORNING HAUGHTON PARK-MVPP
Project Number: 130457-033 5101

Lab Number: L2029209
Report Date: 07/16/20

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)

*Values in parentheses indicate holding time in days

Project Name:	CORNING HAUGHTON PARK-MVPP	**Lab Number:**	L2029209
Project Number:	130457-033 5101	**Report Date:**	07/16/20

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:	CORNING HAUGHTON PARK-MVPP	**Lab Number:**	L2029209
Project Number:	130457-033 5101	**Report Date:**	07/16/20

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

Terms

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration. (DoD and NYSDEC Part 375 PFAS only.)

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.

Report Format: DU Report with 'J' Qualifiers

Project Name:	CORNING HAUGHTON PARK-MVPP	**Lab Number:**	L2029209
Project Number:	130457-033 5101	**Report Date:**	07/16/20

Data Qualifiers

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.

Project Name:	CORNING HAUGHTON PARK-MVPP	**Lab Number:**	L2029209
Project Number:	130457-033 5101	**Report Date:**	07/16/20

REFERENCES

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

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

125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

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

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
EPA TO-12 Non-methane organics
EPA 3C Fixed gases
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

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

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

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.

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

CHAIN OF CUSTODY

Service Centers
Brewer, ME 04412 Portsmouth, NH 03801 Mahwah, NJ 07430
Albany, NY 12205
Tonawanda, NY 14150 Holmes, PA 19043

Page 1 of 1

Date Rec'd in Lab: 7/11/20

ALPHA Job #: L2029209

Project Information
Project Name: Corning MVPP - Houghton Park - MVPP
Project Location: Corning, NY
Project # 130457-0033 SID 1
(Use Project name as Project #) ☐
Project Manager: Jim Siegfried
ALPHAQuote #:

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

Deliverables
☐ Email ☐ Fax
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other:

Billing Information
☐ Same as Client Info
PO #

Regulatory Requirements (Program/Criteria)
Note: Select State from menu & identify criteria.

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

H&A Information
H&A Client: Haley Aldrich
H&A Address: 200 Town Centre Drive Rochester, New York, 14623
H&A Phone: 585-321-4249
H&A Fax:
H&A Email: JSiegfried@HaleyAldrich.com

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

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	TPH EPA 1671B	Reactivity (Cyanide, Sulfide)	Total solids SM2540G	pH EPA 1045	TCLP RCRA Metals	Ignitability 1030	TCL PCBs 8082A	Sample Specific Comments
29209 01	R001-071020-1300	7/10/20	1300	SO	JMS	X	X	X	X	X	X	X	~~RO 331~~ RO 331
02	R002-071020-1315	7/10/20	1315	SO	JMS	X	X	X	X	X	X	X	RO 297
03	R003-071020-1330	7/10/20	1330	SO	JMS	X	X	X	X	X	X	X	RO 292

Total Bottles

Container Type: A A P A A A A
Preservative: 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
	7/10/20 14:10	R Cunningham AAL	7/10/20 17:00
R Cunningham AAL	7/10/20 17:00		7/11/20 08:40

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. Alpha Analytical's services under this Chain of Custody shall be performed in accordance with terms and conditions within Blanket Service Agreement# 2015-18-Alpha Analytical by and between Haley & Aldrich, Inc., its subsidiaries and affiliates and Alpha Analytical.

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