ecology and environment engineering and geology, p.c.
Environmental Specialists

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November 26, 2018

Mr. Payson Long, Project Manager
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway, 12th Floor
Albany, New York 12233 - 7013

Re: Mr. C's Dry Cleaners Site, Contract # D007617, Site # 915157
September/October 2018 Operations, Maintenance, and Monitoring Report

Dear Mr. Long:

Ecology and Environment Engineering and Geology, P.C. (E&E) is pleased to provide the September/October 2018 Operations, Maintenance, and Monitoring (OM&M) Report for the Mr. C's Dry Cleaners Site, NYSDEC Site # 915157, located in the Village of East Aurora, New York.

During the September and October 2018 reporting periods, the treatment system was in operation from August 30 to September 28, 2018 and from October 18 to November 2, 2018. The September monthly OM&M sampling was performed on September 27, 2018, and the results were received from SAI on October 8, 2018 (See Attachment A). Influent/effluent samples showed that the discharge effluent concentrations for cis-1,2-dichloroethene and Tetrachloroethene exceeded the SPDES Equivalency permit requirements of 10 µg/L. As a result, corrective actions (i.e., cleaning of air stripper trays, adjusting differential pressures in the air stripper, etc.) were performed between September 28 and October 18, 2018 in accordance with the site approved SMP. On October 31, 2018, additional influent/effluent samples were taken from the treatment system to confirm whether or not corrective actions were effective in meeting SPDES Equivalency permit requirements (see Attachment B). A summary of field activities prepared by E&E's subcontractor, IYER Environmental Group, PLLC. (IEG), is provided in Attachment C. The current annual site utility cost information is provided in Attachment D.

In response to the 2017 Periodic Review Report, it was requested that testing of the groundwater from the pumping wells in operation be performed on a quarterly schedule. Samples were collected from pumping wells PW-4, PW-5, PW-6, PW-7, and PW-8 during the September/October 2018 reporting period on November 2, 2018. Results of this sampling can be found in Attachment E. The next round of quarterly testing of the pumping wells shall occur in January 2019.

In review of the on-site treatment system operations, monitoring and maintenance from IEG for September and October 2018, E&E offers the following comments and highlights:

Operational Summary:

- Based on inspection reports prepared by IEG, the remedial treatment system for the period of August 30 through November 2, 2018, had an approximate operational up-time of 72%, and the treatment of contaminated groundwater during that period totaled 143,578 gallons. The treated effluent water and operational up-time can be seen in Table 1.
- The original compliance samples from September 27, 2018 had discharge effluent concentrations for cis-1,2-dichloroethene and tetrachloroethene above the reportable detection limits. All other effluent results for September 27, 2018 met the SPDES Equivalency permit requirements, and these results are provided in Table 2.
- The compliance samples from October 31, 2018, which were taken following corrective actions, had discharge effluent concentrations for cis-1,2-dichloroethene, methyl tert-butyl ether, trichloroethene, tetrachloroethene, and vinyl chloride below the daily SPDES Equivalency permit requirements of 10 µg/L for each contaminant. All other requirements of the SPDES Equivalency permit were also met. The effluent results for October 31, 2018 are also provided in Table 2.
- The analytical summary results of the September 27, 2018 samples revealed the total volatile organic contaminant concentrations of the influent to be 3,097.70 µg/L and the concentration of total volatile organic contaminants in the effluent was 111.28 µg/L. The total volatile organic contaminant concentrations of the influent groundwater sampled on October 31, 2018 was 5,002 µg/L, and the total volatile organic contaminant concentrations of the effluent were 5.30 µg/L. The summary of influent and effluent contaminant concentrations for the September and October 2018 sampling are presented in Table 3. In both sampling events, Acetone was detected in the effluent sample, but not the influent sample. It is suspected that this is due to lab contamination. Figure 1 shows the influent and effluent VOC concentrations during each sampling event in 2017 and 2018.
- The Mr. C's treatment system, based on the total flows from the uptime operations, removed 2.24 lbs. of targeted contaminants from the groundwater between August 30 and September 27, 2018, and 2.23 lbs. of targeted contaminants from the groundwater between October 18 to November 2, 2018. The cleanup effectiveness for September and October 2018 were approximately 96% and 99% respectively. The calculations and data for these months are presented in Table 3. The mass of VOCs removed each month throughout 2017 and 2018 is shown in Figure 2.

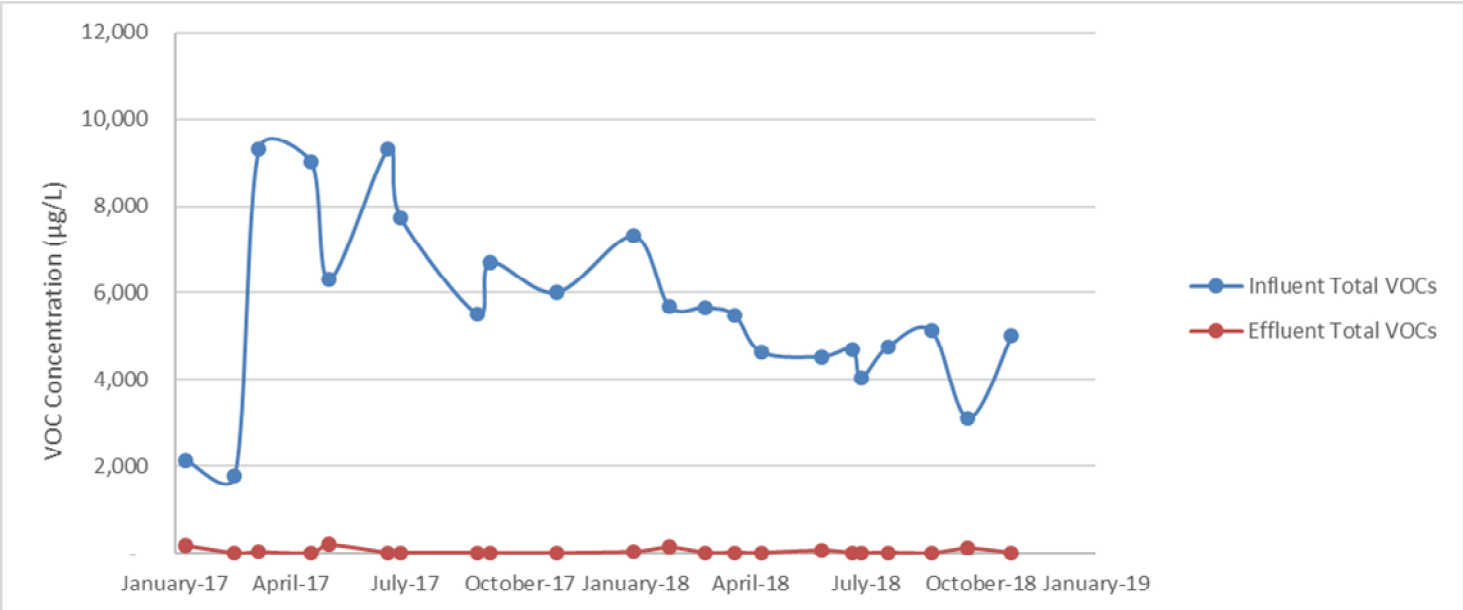


Figure 1: Monthly Influent and Effluent VOC concentrations - 2017 and 2018.

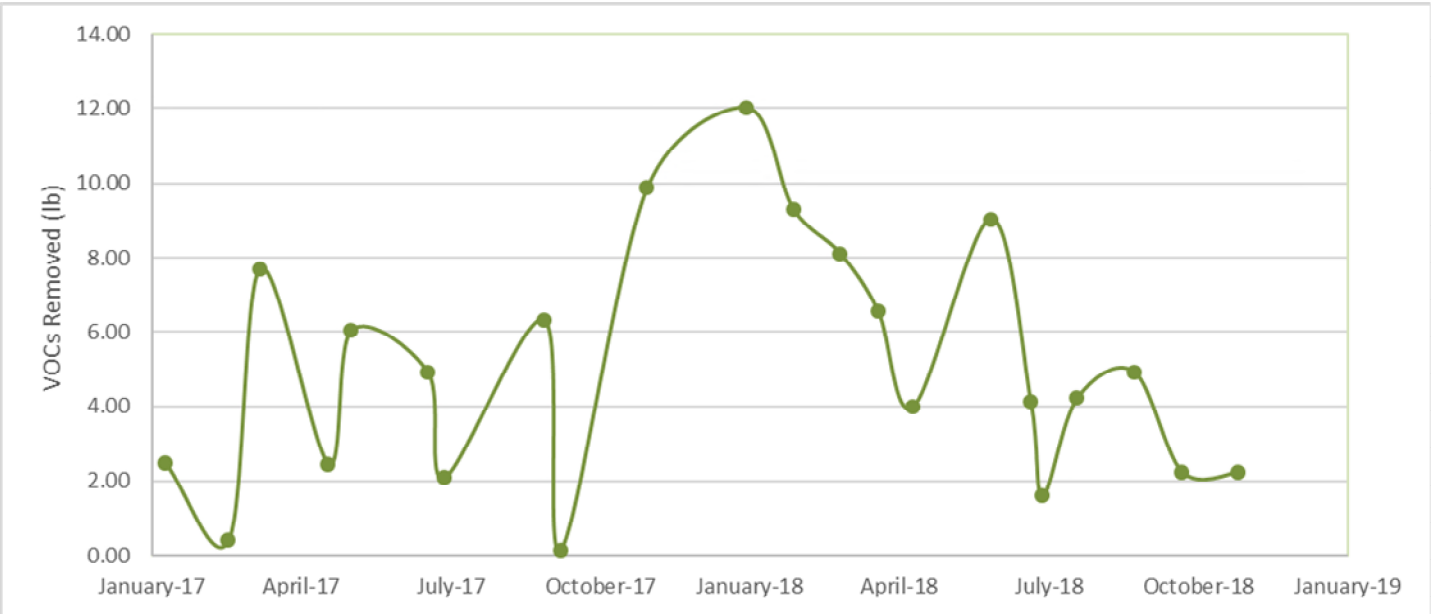


Figure 2: Mass of VOCs removed each month - 2017 and 2018.

Pumping Well Summary:

- Pumping wells PW-4, PW-5, PW-6, PW-7, and PW-8 were sampled on November 2, 2018. Results of the pumping well sampling event are provided in Table 4. Figures 3 through 7 show the historical concentrations of cis-1,2-dichloroethene (cis-1,2-DCE), tetrachloroethene (PCE), and trichloroethene (TCE) throughout 2017 and 2018.
- Individual pumping well sampling will continue to be completed on a quarterly basis to monitor VOC concentrations.

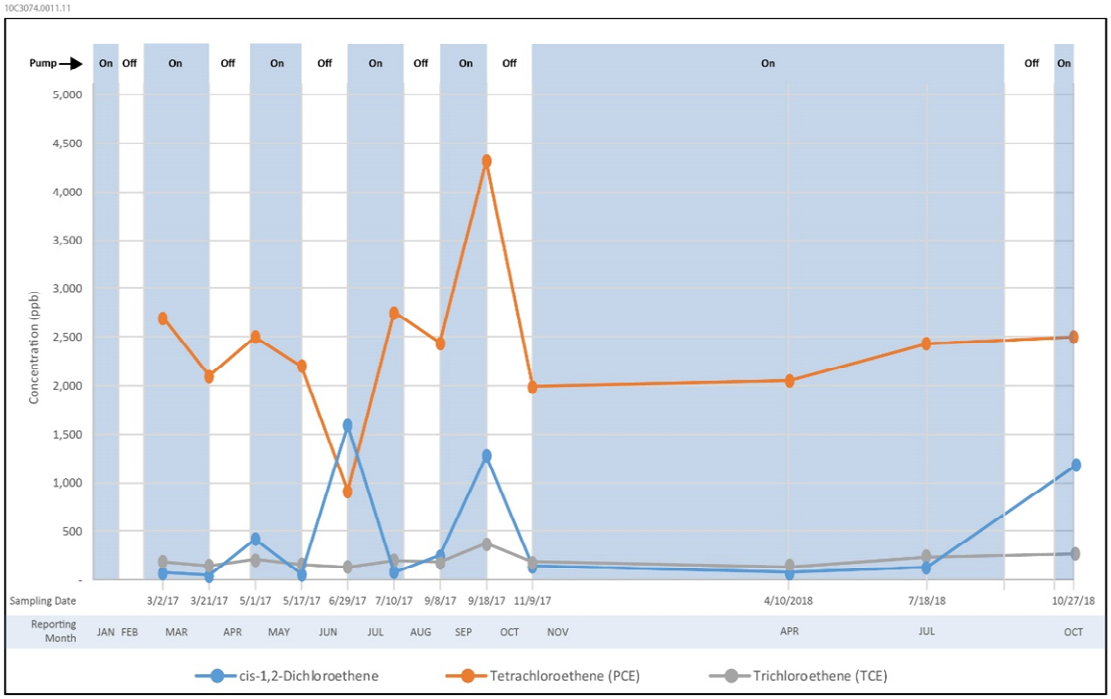


Figure 3: Influent concentrations of cis-1,2-DCE, PCE, and TCE - Pumping Well 4 (PW-4).

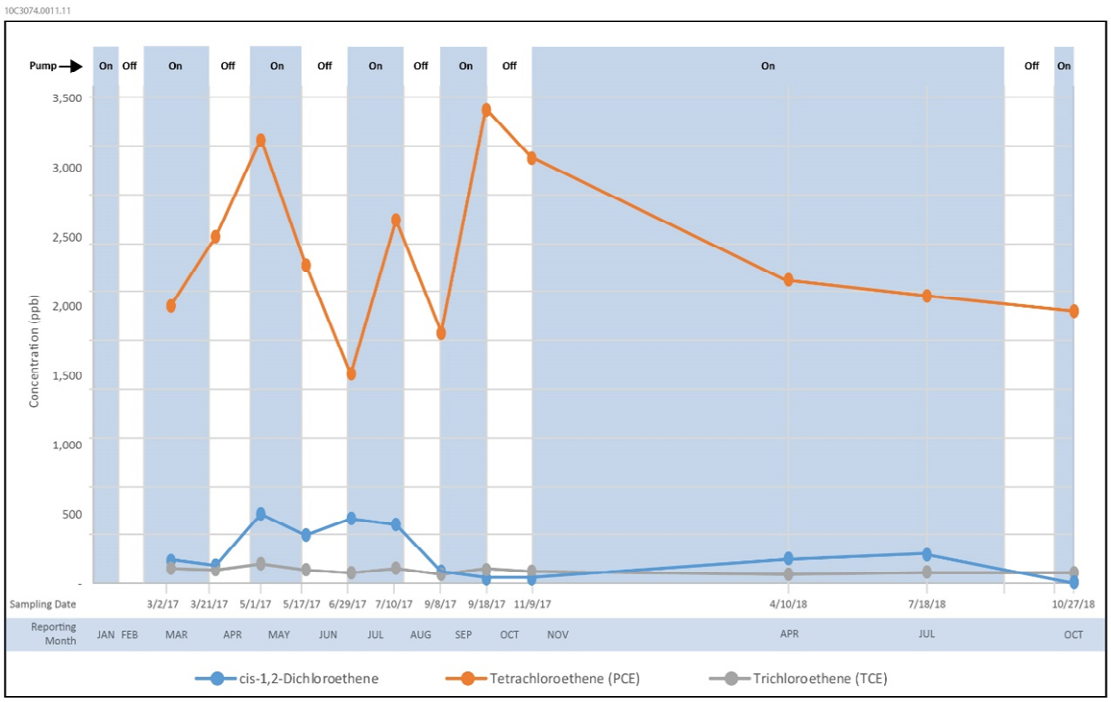


Figure 4: Influent concentrations of cis-1, 2-DCE, PCE, and TCE - Pumping Well 5 (PW-5).

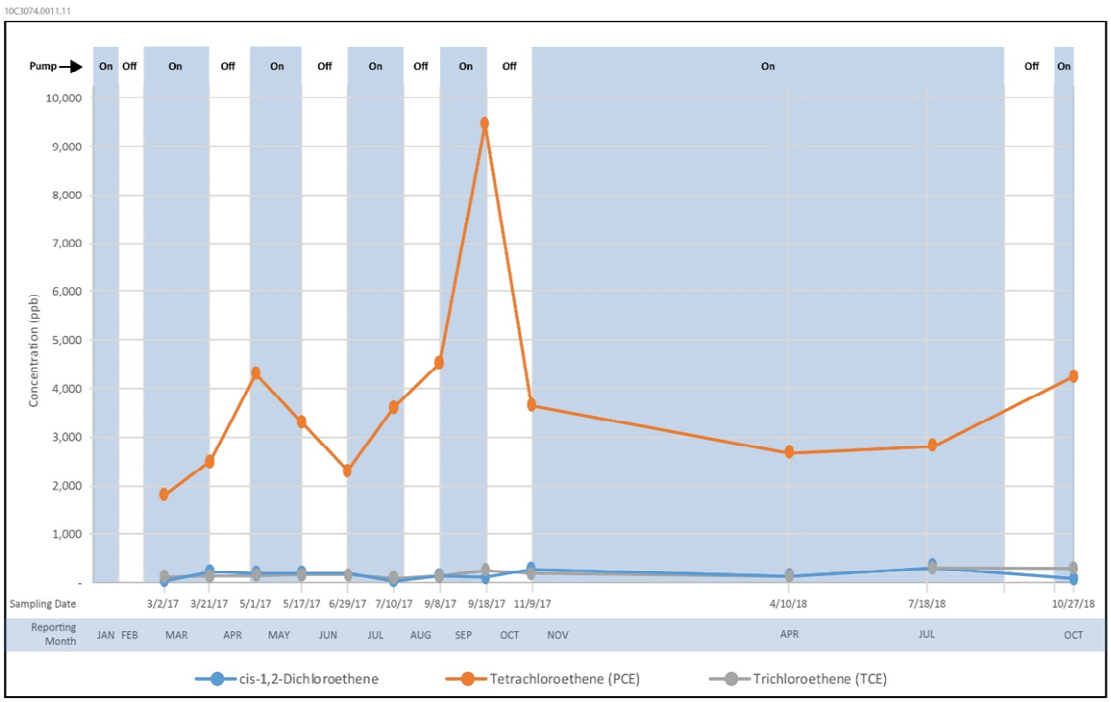


Figure 5: Influent concentrations of cis-1, 2-DCE, PCE, and TCE - Pumping Well 6 (PW-6).

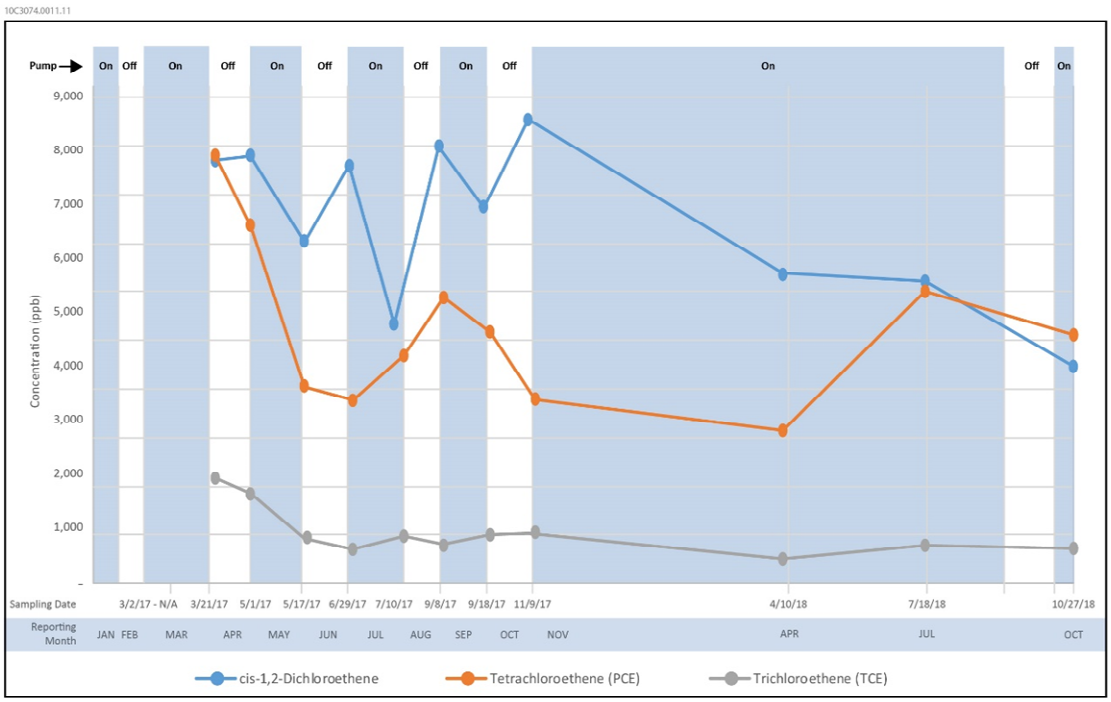
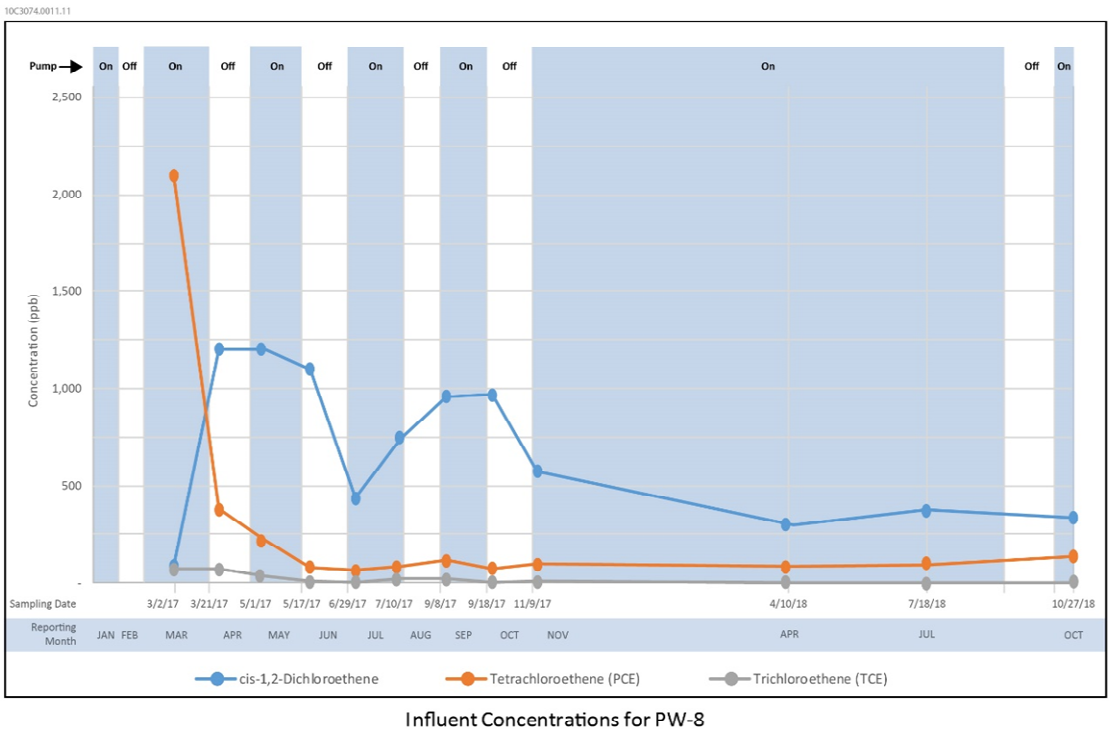


Figure 6: Influent concentrations of cis-1, 2-DCE, PCE, and TCE - Pumping Well 7 (PW-7).



Influent Concentrations for PW-8

Figure 7: Influent concentrations of cis-1, 2-DCE, PCE, and TCE - Pumping Well 8 (PW-8).

If you have questions regarding the September and October 2018 OM&M report summary, please do not hesitate to contact me at 716-684-8060.

Very Truly Yours,
Ecology and Environment Engineering and Geology, P. C.

Ashlee Smith
Project Manager

cc: D. Szymanski, Region 9, NYSDEC – Buffalo w/ attachments
D. Iyer, IEG w/ attachments
M. Mooney, E&E Buffalo w/ attachments
CTF - 10C3074.0011.11

Attachment A
Excerpts from the Groundwater Treatment System Analytical Report from Spectrum Analytical Laboratories

Analytical Data Package Work Order ID: SC50705
Sampled by IEG: September 27, 2018
Report Received: October 8, 2018

eurofins | Spectrum Analytical

☑ Final Report
☐ Revised Report

Report Date:
08-Oct-18 16:50

Laboratory Report
SC50705

Ecology and Environment, Inc.
368 Pleasant View Drive
Lancaster, NY 14086
Attn: Mary Kate Mooney

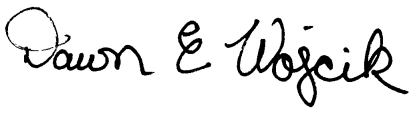
Project: Mr. C's - East Aurora, NY
Project #: [none]

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87936
Maine # MA138
New Hampshire # 2972/2538
New Jersey # MA011
New York # 11393
Pennsylvania # 68-04426/68-02924
Rhode Island # LAO00348
USDA # P330-15-00375
Vermont # VT-11393

Authorized by:

Dawn Wojcik
Laboratory Director



Eurofins Spectrum Analytical holds primary NELAC certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 25 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Eurofins Spectrum Analytical, Inc.

Eurofins Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Eurofins Spectrum Analytical, Inc. is currently accredited for the specific method or analyte indicated. Please refer to our 'Quality' web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Eurofins Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey, Pennsylvania and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (PA-68-04426).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

Sample Summary

Work Order: SC50705

Project: Mr. C's - East Aurora, NY

Project Number: [none]

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SC50705-01	Influent	Ground Water	27-Sep-18 15:00	28-Sep-18 14:20
SC50705-02	Effluent	Ground Water	27-Sep-18 15:00	28-Sep-18 14:20
SC50705-03	TB	Trip Blank	27-Sep-18 15:00	28-Sep-18 14:20

Summary of Hits

Lab ID: SC50705-01 **Client ID:** Influent

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Calcium	168		0.200	mg/l	EPA 200.7
Magnesium	28.7		0.0400	mg/l	EPA 200.7
Hardness	538		0.664	mg/l CaCO3	SM 2340B (11)
1,1-Dichloroethene	3.2		1.0	ug/L	SW8260C
cis-1,2-Dichloroethene	1500		100	ug/L	SW8260C
Methyl t-butyl ether (MTBE)	9.7		1.0	ug/L	SW8260C
Tetrachloroethene	1100		100	ug/L	SW8260C
trans-1,2-Dichloroethene	28		1.0	ug/L	SW8260C
Trichloroethene	290		20	ug/L	SW8260C
Vinyl chloride	170		20	ug/L	SW8260C

Lab ID: SC50705-02 **Client ID:** Effluent

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Calcium	170		0.200	mg/l	EPA 200.7
Magnesium	29.0		0.0400	mg/l	EPA 200.7
Hardness	545		0.664	mg/l CaCO3	SM 2340B (11)
Acetone	3.7	J., S	25	ug/L	SW8260C
cis-1,2-Dichloroethene	77		5.0	ug/L	SW8260C
Methyl t-butyl ether (MTBE)	1.5		1.0	ug/L	SW8260C
Tetrachloroethene	23		1.0	ug/L	SW8260C
Trichloroethene	5.3		1.0	ug/L	SW8260C
Vinyl chloride	0.78	J.	1.0	ug/L	SW8260C

Lab ID: SC50705-03 **Client ID:** TB

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Chloroform	0.41	J.	1.0	ug/L	SW8260C

Please note that because there are no reporting limits associated with hazardous waste characterizations or micro analyses, this summary does not include hits from these analyses if included in this work order.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Influent SC50705-01	[none]	Ground Water	27-Sep-18 15:00	28-Sep-18

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Metals by EPA 200/6000 Series Methods													
Prepared by method General Prep-Metal													
	Preservation	**Field Preserved; pH<2 confirmed**		N/A			1	EPA 200/6000 methods	01-Oct-18		JS	1813145	
Total Metals by EPA 200 Series Methods													
7440-70-2	Calcium	**168**		mg/l	0.200	0.0679	1	EPA 200.7	01-Oct-18	02-Oct-18	SC/ED	1813115	X
7439-95-4	Magnesium	**28.7**		mg/l	0.0400	0.0147	1	"	"	"	"	"	X
General Chemistry Parameters													
	Hardness	**538**	HD	mg/l CaCO3	0.664	0.230	1	SM 2340B (11)	01-Oct-18	02-Oct-18	SC/ED	[CALC]	
	pH	**7.20**	pH	pH Units			1	ASTM D 1293-99B	28-Sep-18 15:00	28-Sep-18 17:15	BD	1813104	
Subcontracted Analyses													
Subcontracted Analyses													
Prepared by method SW8260C													
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
630-20-6	1,1,1,2-Tetrachloroethane	< 1.0		ug/L	1.0	0.25	1	SW8260C	27-Sep-18 15:00	01-Oct-18 20:41	11301	449882A	
71-55-6	1,1,1-Trichloroethane	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		ug/L	0.50	0.25	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	**3.2**		ug/L	1.0	0.25	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	< 1.0		ug/L	1.0	0.50	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 0.60		ug/L	0.60	0.25	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
591-78-6	2-Hexanone	< 5.0		ug/L	5.0	2.5	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone	< 5.0		ug/L	5.0	2.5	1	"	"	"	"	"	
67-64-1	Acetone	< 25		ug/L	25	2.5	1	"	"	"	"	"	
107-13-1	Acrylonitrile	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
71-43-2	Benzene	< 0.70		ug/L	0.70	0.25	1	"	"	"	"	"	
108-86-1	Bromobenzene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
74-97-5	Bromochloromethane	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Influent SC50705-01	[none]	Ground Water	27-Sep-18 15:00	28-Sep-18

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Subcontracted Analyses													
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
75-27-4	Bromodichloromethane	< 0.50		ug/L	0.50	0.25	1	SW8260C	27-Sep-18 15:00	01-Oct-18 20:41	11301	449882A	
75-25-2	Bromoform	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
74-83-9	Bromomethane	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
75-15-0	Carbon Disulfide	< 5.0		ug/L	5.0	0.25	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
108-90-7	Chlorobenzene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
75-00-3	Chloroethane	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
67-66-3	Chloroform	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
74-87-3	Chloromethane	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	**1,500**		ug/L	100	25	100	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	< 0.40		ug/L	0.40	0.25	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	< 0.50		ug/L	0.50	0.25	1	"	"	"	"	"	
74-95-3	Dibromomethane	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
100-41-4	Ethylbenzene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	< 0.40		ug/L	0.40	0.25	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
179601-23-1	m&p-Xylene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
78-93-3	Methyl ethyl ketone	< 5.0		ug/L	5.0	2.5	1	"	"	"	"	"	
1634-04-4	Methyl t-butyl ether (MTBE)	**9.7**		ug/L	1.0	0.25	1	"	"	"	"	"	
75-09-2	Methylene chloride	< 1.0		ug/L	1.0	1.0	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
91-20-3	Naphthalene	< 1.0		ug/L	1.0	1.0	1	"	"	"	"	"	
95-47-6	o-Xylene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
99-87-6	p-Isopropyltoluene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
100-42-5	Styrene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	**1,100**		ug/L	100	25	100	"	"	"	"	"	
109-99-9	Tetrahydrofuran (THF)	< 2.5		ug/L	2.5	2.5	1	"	"	"	"	"	
108-88-3	Toluene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	**28**		ug/L	1.0	0.25	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 0.40		ug/L	0.40	0.25	1	"	"	"	"	"	
110-57-6	trans-1,4-dichloro-2-butene	< 5.0		ug/L	5.0	2.5	1	"	"	"	"	"	
79-01-6	Trichloroethene	**290**		ug/L	20	5.0	20	"	"	"	"	"	
75-69-4	Trichlorofluoromethane	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
76-13-1	Trichlorotrifluoroethane	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
75-01-4	Vinyl chloride	**170**		ug/L	20	5.0	20	"	"	"	"	"	
Surrogate recoveries:													
2199-69-1	*% 1,2-dichlorobenzene-d4*	*100*			*70-130 %*			"	"	"	"	"	
460-00-4	*% Bromofluorobenzene*	*96*			*70-130 %*			"	"	"	"	"	

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Influent SC50705-01	[none]	Ground Water	27-Sep-18 15:00	28-Sep-18

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Subcontracted Analyses													
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
1868-53-7	% Dibromofluoromethane	101			70-130 %			SW8260C	27-Sep-18 15:00	-Oct-18 20:4	11301	449882A	
2037-26-5	% Toluene-d8	112			70-130 %			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Effluent SC50705-02	[none]	Ground Water	27-Sep-18 15:00	28-Sep-18

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Metals by EPA 200/6000 Series Methods													
Prepared by method General Prep-Metal													
	Preservation	**Field Preserved; pH<2 confirmed**		N/A			1	EPA 200/6000 methods	01-Oct-18		JS	1813145	
Total Metals by EPA 200 Series Methods													
7440-70-2	Calcium	**170**		mg/l	0.200	0.0679	1	EPA 200.7	01-Oct-18	02-Oct-18	SC/ED	1813115	X
7439-95-4	Magnesium	**29.0**		mg/l	0.0400	0.0147	1	"	"	"	"	"	X
General Chemistry Parameters													
	Hardness	**545**	HD	mg/l CaCO3	0.664	0.230	1	SM 2340B (11)	01-Oct-18	02-Oct-18	SC/ED	[CALC]	
	pH	**8.22**	pH	pH Units			1	ASTM D 1293-99B	28-Sep-18 15:00	28-Sep-18 17:15	BD	1813104	
Subcontracted Analyses													
Subcontracted Analyses													
Prepared by method SW8260C													
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
630-20-6	1,1,1,2-Tetrachloroethane	< 1.0		ug/L	1.0	0.25	1	SW8260C	27-Sep-18 15:00	02-Oct-18 11:34	11301	449950A	
71-55-6	1,1,1-Trichloroethane	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		ug/L	0.50	0.25	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	< 1.0		ug/L	1.0	0.50	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 0.60		ug/L	0.60	0.25	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
591-78-6	2-Hexanone	< 5.0		ug/L	5.0	2.5	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone	< 5.0		ug/L	5.0	2.5	1	"	"	"	"	"	
67-64-1	Acetone	**3.7**	J., S	ug/L	25	2.5	1	"	"	"	"	"	
107-13-1	Acrylonitrile	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
71-43-2	Benzene	< 0.70		ug/L	0.70	0.25	1	"	"	"	"	"	
108-86-1	Bromobenzene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
74-97-5	Bromochloromethane	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Effluent SC50705-02	[none]	Ground Water	27-Sep-18 15:00	28-Sep-18

Subcontracted Analyses

Subcontracted Analyses

*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
75-27-4	Bromodichloromethane	< 0.50		ug/L	0.50	0.25	1	SW8260C	27-Sep-18 15:00	02-Oct-18 11:34	11301	449950A	
75-25-2	Bromoform	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
74-83-9	Bromomethane	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
75-15-0	Carbon Disulfide	< 5.0		ug/L	5.0	0.25	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
108-90-7	Chlorobenzene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
75-00-3	Chloroethane	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
67-66-3	Chloroform	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
74-87-3	Chloromethane	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	**77**		ug/L	5.0	1.3	5	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	< 0.40		ug/L	0.40	0.25	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	< 0.50		ug/L	0.50	0.25	1	"	"	"	"	"	
74-95-3	Dibromomethane	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
100-41-4	Ethylbenzene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	< 0.40		ug/L	0.40	0.25	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
179601-23-1	m&p-Xylene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
78-93-3	Methyl ethyl ketone	< 5.0		ug/L	5.0	2.5	1	"	"	"	"	"	
1634-04-4	Methyl t-butyl ether (MTBE)	**1.5**		ug/L	1.0	0.25	1	"	"	"	"	"	
75-09-2	Methylene chloride	< 1.0		ug/L	1.0	1.0	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
91-20-3	Naphthalene	< 1.0		ug/L	1.0	1.0	1	"	"	"	"	"	
95-47-6	o-Xylene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
99-87-6	p-Isopropyltoluene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
100-42-5	Styrene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	**23**		ug/L	1.0	0.25	1	"	"	"	"	"	
109-99-9	Tetrahydrofuran (THF)	< 2.5		ug/L	2.5	2.5	1	"	"	"	"	"	
108-88-3	Toluene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 0.40		ug/L	0.40	0.25	1	"	"	"	"	"	
110-57-6	trans-1,4-dichloro-2-butene	< 5.0		ug/L	5.0	2.5	1	"	"	"	"	"	
79-01-6	Trichloroethene	**5.3**		ug/L	1.0	0.25	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
76-13-1	Trichlorotrifluoroethane	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
75-01-4	Vinyl chloride	**0.78**	J.	ug/L	1.0	0.25	1	"	"	"	"	"	

Surrogate recoveries:

2199-69-1	*% 1,2-dichlorobenzene-d4*	*103*			*70-130 %*			"	"	"	"	"	
460-00-4	*% Bromofluorobenzene*	*97*			*70-130 %*			"	"	"	"	"	

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Effluent SC50705-02	[none]	Ground Water	27-Sep-18 15:00	28-Sep-18

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Subcontracted Analyses													
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
1868-53-7	% Dibromofluoromethane	99			70-130 %			SW8260C	27-Sep-18 15:00	-Oct-18 11::	11301	449950A	
2037-26-5	% Toluene-d8	99			70-130 %			"	"	"	"	"	

SC50705

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CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:

- [x] Standard TAT - 7 to 10 business days
- [ ] Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 30 days unless otherwise instructed.

Report To: E & E Inc
368 Pleasantview Dr
Lancaster, NY 14086

Telephone #: (716) 684-8060
Project Mgr: Mary Kate Mooney

Invoice To: E & E, Inc

P.O No.: _____ Quote #: _____

Project No: _____
Site Name: Mr Cs O M & M
Location: East Aurora State: NY
Sampler(s): R. Allen

F=Field Filtered 1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

DW=Drinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1=_____ X2=_____ X3=_____

G= Grab C=Composite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: List Preservative Code below: 1	4	2						Check if chlorinated	QA/QC Reporting Notes: * additional charges may appply.
										pH	Hardness	VOCs							
SC50705	INFLUENT	9/27/18	3:00P	G	GW				1	✓								☐	MA DEP MCP CAM Report? ☐ Yes ☐ No; CT DPH RCP Report? ☐ Yes ☐ No; ☐ Standard ☐ No QC ☐ DQA* ☐ ASP A* ☐ ASP B* ☐ NJ Reduced* ☐ NJ Full* ☐ Tier II* ☐ Tier IV* ☒ Other: CAT A; State-specific reporting standards:
	INFLUENT			G	GW				1		✓							☐	Please send
	INFLUENT			G	GW	3						✓						☐	another Sample
02	EFFLUENT			G	GW				1	✓								☐	kit
	EFFLUENT			G	GW				1		✓							☐	
	EFFLUENT	✓	✓	G	GW	3						✓						☐	(Do not send
03	TB	"	"	G	W	2						✓						☐	smallest coolers)
																		☐	
																		☐	
																		☐	

Relinquished by:	Received by:	Date:	Time:	Temp °C
Richard C Allen Jr				Observed 1.6
Fedex		9/28/18	1420	Correction Factor 0
				Corrected 1.6
				IR ID # 01

☒ EDD format: PDF
☒ E-mail to: mmooney@ene.com

Condition upon receipt: Custody Seals: ☐ Present ☒ Intact ☐ Broken
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

Attachment B
Excerpts from the Groundwater Treatment System Analytical Report from Spectrum Analytical Laboratories

Analytical Data Package Work Order ID: SC51595
Sampled by IEG: October 31, 2018
Report Received: November 9, 2018

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☑ Final Report
☐ Revised Report

Report Date:
09-Nov-18 17:53

Laboratory Report
SC51595

Ecology and Environment, Inc.
368 Pleasant View Drive
Lancaster, NY 14086
Attn: Mary Kate Mooney

Project: Mr. C's - East Aurora, NY
Project #: 1703074.0011

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87936
Maine # MA138
New Hampshire # 2972/2538
New Jersey # MA011
New York # 11393
Pennsylvania # 68-04426/68-02924
Rhode Island # LAO00348
USDA # P330-15-00375
Vermont # VT-11393

Authorized by:

Dawn Wojcik
Laboratory Director

Eurofins Spectrum Analytical holds primary NELAC certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 27 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Eurofins Spectrum Analytical, Inc.

Eurofins Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Eurofins Spectrum Analytical, Inc. is currently accredited for the specific method or analyte indicated. Please refer to our 'Quality' web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Eurofins Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey, Pennsylvania and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (PA-68-04426).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

Sample Summary

Work Order: SC51595

Project: Mr. C's - East Aurora, NY

Project Number: 1703074.0011

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SC51595-01	Influent	Ground Water	31-Oct-18 12:30	01-Nov-18 12:12
SC51595-02	Effluent	Ground Water	31-Oct-18 12:30	01-Nov-18 12:12
SC51595-03	HCL TB	Trip Blank	31-Oct-18 12:30	01-Nov-18 12:12

Summary of Hits

Lab ID: SC51595-01 **Client ID:** Influent

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Calcium	153		0.200	mg/l	EPA 200.7
Magnesium	25.8		0.0400	mg/l	EPA 200.7
Hardness	487		0.664	mg/l CaCO3	SM 2340B (11)
cis-1,2-Dichloroethene	2700		400	ug/L	SW8260C
Methyl t-butyl ether (MTBE)	11	J	20	ug/L	SW8260C
Tetrachloroethene	1700		400	ug/L	SW8260C
trans-1,2-Dichloroethene	11	J	20	ug/L	SW8260C
Trichloroethene	340		20	ug/L	SW8260C
Vinyl chloride	240		20	ug/L	SW8260C

Lab ID: SC51595-02 **Client ID:** Effluent

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Calcium	144		0.200	mg/l	EPA 200.7
Magnesium	27.2		0.0400	mg/l	EPA 200.7
Hardness	472		0.664	mg/l CaCO3	SM 2340B (11)
Acetone	5.3	JS	25	ug/L	SW8260C

Please note that because there are no reporting limits associated with hazardous waste characterizations or micro analyses, this summary does not include hits from these analyses if included in this work order.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Influent	1703074.0011	Ground Water	31-Oct-18 12:30	01-Nov-18
SC51595-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Metals by EPA 200/6000 Series Methods													
Prepared by method General Prep-Metal													
	Preservation	**Field Preserved; pH<2 confirmed**		N/A			1	EPA 200/6000 methods	01-Nov-18		KT	1814510	
Total Metals by EPA 200 Series Methods													
7440-70-2	Calcium	**153**		mg/l	0.200	0.0679	1	EPA 200.7	02-Nov-18	05-Nov-18	SC/ED	1814529	X
7439-95-4	Magnesium	**25.8**		mg/l	0.0400	0.0147	1	"	"	"	"	"	X
General Chemistry Parameters													
	Hardness	**487**	HD	mg/l CaCO3	0.664	0.230	1	SM 2340B (11)	02-Nov-18	05-Nov-18	SC/ED	[CALC]	
	pH	**7.11**	pH	pH Units			1	ASTM D 1293-99B	01-Nov-18 17:00	01-Nov-18 18:34	TN	1814512	
Subcontracted Analyses													
Subcontracted Analyses													
Prepared by method SW8260C													
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
630-20-6	1,1,1,2-Tetrachloroethane	< 20		ug/L	20	5.0	20	SW8260C	31-Oct-18 12:30	06-Nov-18 11:11	11301	455284A	
71-55-6	1,1,1-Trichloroethane	< 20		ug/L	20	5.0	20	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	< 10		ug/L	10	5.0	20	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	< 20		ug/L	20	5.0	20	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	< 20		ug/L	20	5.0	20	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	< 20		ug/L	20	5.0	20	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	< 20		ug/L	20	5.0	20	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	< 20		ug/L	20	5.0	20	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	< 20		ug/L	20	5.0	20	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 20		ug/L	20	5.0	20	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 20		ug/L	20	5.0	20	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	< 20		ug/L	20	10	20	"	"	"	"	"	
106-93-4	1,2-Dibromoethane	< 20		ug/L	20	5.0	20	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 20		ug/L	20	5.0	20	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 12		ug/L	12	5.0	20	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	< 20		ug/L	20	5.0	20	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 20		ug/L	20	5.0	20	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 20		ug/L	20	5.0	20	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	< 20		ug/L	20	5.0	20	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 20		ug/L	20	5.0	20	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	< 20		ug/L	20	5.0	20	"	"	"	"	"	
95-49-8	2-Chlorotoluene	< 20		ug/L	20	5.0	20	"	"	"	"	"	
591-78-6	2-Hexanone	< 100		ug/L	100	50	20	"	"	"	"	"	
106-43-4	4-Chlorotoluene	< 20		ug/L	20	5.0	20	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone	< 100		ug/L	100	50	20	"	"	"	"	"	
67-64-1	Acetone	< 500		ug/L	500	50	20	"	"	"	"	"	
107-13-1	Acrylonitrile	< 20		ug/L	20	5.0	20	"	"	"	"	"	
71-43-2	Benzene	< 14		ug/L	14	5.0	20	"	"	"	"	"	
108-86-1	Bromobenzene	< 20		ug/L	20	5.0	20	"	"	"	"	"	
74-97-5	Bromochloromethane	< 20		ug/L	20	5.0	20	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Influent SC51595-01	1703074.0011	Ground Water	31-Oct-18 12:30	01-Nov-18

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Subcontracted Analyses													
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
75-27-4	Bromodichloromethane	< 10		ug/L	10	5.0	20	SW8260C	31-Oct-18 12:30	06-Nov-18 11:11	11301	455284A	
75-25-2	Bromoform	< 20		ug/L	20	5.0	20	"	"	"	"	"	
74-83-9	Bromomethane	< 20		ug/L	20	5.0	20	"	"	"	"	"	
75-15-0	Carbon Disulfide	< 100		ug/L	100	5.0	20	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 20		ug/L	20	5.0	20	"	"	"	"	"	
108-90-7	Chlorobenzene	< 20		ug/L	20	5.0	20	"	"	"	"	"	
75-00-3	Chloroethane	< 20		ug/L	20	5.0	20	"	"	"	"	"	
67-66-3	Chloroform	< 20		ug/L	20	5.0	20	"	"	"	"	"	
74-87-3	Chloromethane	< 20		ug/L	20	5.0	20	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	**2,700**		ug/L	400	100	400	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	< 8.0		ug/L	8.0	5.0	20	"	"	"	"	"	
110-82-7	Cyclohexane	< 20		ug/L	20	5.0	20	"	"	"	"	"	
124-48-1	Dibromochloromethane	< 10		ug/L	10	5.0	20	"	"	"	"	"	
74-95-3	Dibromomethane	< 20		ug/L	20	5.0	20	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane	< 20		ug/L	20	5.0	20	"	"	"	"	"	
100-41-4	Ethylbenzene	< 20		ug/L	20	5.0	20	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	< 8.0		ug/L	8.0	5.0	20	"	"	"	"	"	
98-82-8	Isopropylbenzene	< 20		ug/L	20	5.0	20	"	"	"	"	"	
179601-23-1	m&p-Xylene	< 20		ug/L	20	5.0	20	"	"	"	"	"	
78-93-3	Methyl ethyl ketone	< 100		ug/L	100	50	20	"	"	"	"	"	
1634-04-4	Methyl t-butyl ether (MTBE)	**11**	J	ug/L	20	5.0	20	"	"	"	"	"	
108-87-2	Methylcyclohexane	< 100		ug/L	100	10	20	"	"	"	"	"	
75-09-2	Methylene chloride	< 20		ug/L	20	20	20	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 20		ug/L	20	5.0	20	"	"	"	"	"	
103-65-1	n-Propylbenzene	< 20		ug/L	20	5.0	20	"	"	"	"	"	
91-20-3	Naphthalene	< 20		ug/L	20	20	20	"	"	"	"	"	
95-47-6	o-Xylene	< 20		ug/L	20	5.0	20	"	"	"	"	"	
99-87-6	p-Isopropyltoluene	< 20		ug/L	20	5.0	20	"	"	"	"	"	
135-98-8	sec-Butylbenzene	< 20		ug/L	20	5.0	20	"	"	"	"	"	
100-42-5	Styrene	< 20		ug/L	20	5.0	20	"	"	"	"	"	
98-06-6	tert-Butylbenzene	< 20		ug/L	20	5.0	20	"	"	"	"	"	
127-18-4	Tetrachloroethene	**1,700**		ug/L	400	100	400	"	"	"	"	"	
109-99-9	Tetrahydrofuran (THF)	< 50		ug/L	50	50	20	"	"	"	"	"	
108-88-3	Toluene	< 20		ug/L	20	5.0	20	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	**11**	J	ug/L	20	5.0	20	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 8.0		ug/L	8.0	5.0	20	"	"	"	"	"	
110-57-6	trans-1,4-dichloro-2-buten e	< 100		ug/L	100	50	20	"	"	"	"	"	
79-01-6	Trichloroethene	**340**		ug/L	20	5.0	20	"	"	"	"	"	
75-69-4	Trichlorofluoromethane	< 20		ug/L	20	5.0	20	"	"	"	"	"	
76-13-1	Trichlorotrifluoroethane	< 20		ug/L	20	5.0	20	"	"	"	"	"	
75-01-4	Vinyl chloride	**240**		ug/L	20	5.0	20	"	"	"	"	"	

Surrogate recoveries:

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Influent SC51595-01	1703074.0011	Ground Water	31-Oct-18 12:30	01-Nov-18

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Subcontracted Analyses													
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
2199-69-1	% 1,2-dichlorobenzene-d4	102			70-130 %			SW8260C	31-Oct-18 12:30	1-Nov-18 11:	11301	455284A	
460-00-4	% Bromofluorobenzene	98			70-130 %			"	"	"	"	"	
1868-53-7	% Dibromofluoromethane	100			70-130 %			"	"	"	"	"	
2037-26-5	% Toluene-d8	98			70-130 %			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Effluent SC51595-02	1703074.0011	Ground Water	31-Oct-18 12:30	01-Nov-18

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Total Metals by EPA 200/6000 Series Methods													
Prepared by method General Prep-Metal													
	Preservation	**Field Preserved; pH<2 confirmed**		N/A			1	EPA 200/6000 methods	01-Nov-18		KT	1814510	
Total Metals by EPA 200 Series Methods													
7440-70-2	Calcium	**144**		mg/l	0.200	0.0679	1	EPA 200.7	02-Nov-18	02-Nov-18	SC/TB	1814529	X
7439-95-4	Magnesium	**27.2**		mg/l	0.0400	0.0147	1	"	"	"	"	"	X
General Chemistry Parameters													
	Hardness	**472**	HD	mg/l CaCO3	0.664	0.230	1	SM 2340B (11)	02-Nov-18	02-Nov-18	SC/TB	[CALC]	
	pH	**8.41**	pH	pH Units			1	ASTM D 1293-99B	01-Nov-18 17:00	01-Nov-18 18:34	TN	1814512	
Subcontracted Analyses													
Subcontracted Analyses													
Prepared by method SW8260C													
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
630-20-6	1,1,1,2-Tetrachloroethane	< 1.0		ug/L	1.0	0.25	1	SW8260C	31-Oct-18 12:30	05-Nov-18 22:43	11301	455086A	
71-55-6	1,1,1-Trichloroethane	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50		ug/L	0.50	0.25	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	< 1.0		ug/L	1.0	0.50	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 0.60		ug/L	0.60	0.25	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
591-78-6	2-Hexanone	< 5.0		ug/L	5.0	2.5	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone	< 5.0		ug/L	5.0	2.5	1	"	"	"	"	"	
67-64-1	Acetone	**5.3**	JS	ug/L	25	2.5	1	"	"	"	"	"	
107-13-1	Acrylonitrile	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
71-43-2	Benzene	< 0.70		ug/L	0.70	0.25	1	"	"	"	"	"	
108-86-1	Bromobenzene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
74-97-5	Bromochloromethane	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Effluent SC51595-02	1703074.0011	Ground Water	31-Oct-18 12:30	01-Nov-18

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Subcontracted Analyses													
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
75-27-4	Bromodichloromethane	< 0.50		ug/L	0.50	0.25	1	SW8260C	31-Oct-18 12:30	05-Nov-18 22:43	11301	455086A	
75-25-2	Bromoform	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
74-83-9	Bromomethane	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
75-15-0	Carbon Disulfide	< 5.0		ug/L	5.0	0.25	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
108-90-7	Chlorobenzene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
75-00-3	Chloroethane	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
67-66-3	Chloroform	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
74-87-3	Chloromethane	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	< 0.40		ug/L	0.40	0.25	1	"	"	"	"	"	
110-82-7	Cyclohexane	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	< 0.50		ug/L	0.50	0.25	1	"	"	"	"	"	
74-95-3	Dibromomethane	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
100-41-4	Ethylbenzene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	< 0.40		ug/L	0.40	0.25	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
179601-23-1	m&p-Xylene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
78-93-3	Methyl ethyl ketone	< 5.0		ug/L	5.0	2.5	1	"	"	"	"	"	
1634-04-4	Methyl t-butyl ether (MTBE)	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
108-87-2	Methylcyclohexane	< 5.0		ug/L	5.0	0.50	1	"	"	"	"	"	
75-09-2	Methylene chloride	< 1.0		ug/L	1.0	1.0	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
91-20-3	Naphthalene	< 1.0		ug/L	1.0	1.0	1	"	"	"	"	"	
95-47-6	o-Xylene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
99-87-6	p-Isopropyltoluene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
100-42-5	Styrene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
109-99-9	Tetrahydrofuran (THF)	< 2.5		ug/L	2.5	2.5	1	"	"	"	"	"	
108-88-3	Toluene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 0.40		ug/L	0.40	0.25	1	"	"	"	"	"	
110-57-6	trans-1,4-dichloro-2-buten e	< 5.0		ug/L	5.0	2.5	1	"	"	"	"	"	
79-01-6	Trichloroethene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
76-13-1	Trichlorotrifluoroethane	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
75-01-4	Vinyl chloride	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	

Surrogate recoveries:

This laboratory report is not valid without an authorized signature on the cover page.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Effluent SC51595-02	1703074.0011	Ground Water	31-Oct-18 12:30	01-Nov-18

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Subcontracted Analyses													
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
2199-69-1	% 1,2-dichlorobenzene-d4	100			70-130 %			SW8260C	31-Oct-18 12:30	-Nov-18 22:	11301	455086A	
460-00-4	% Bromofluorobenzene	99			70-130 %			"	"	"	"	"	
1868-53-7	% Dibromofluoromethane	95			70-130 %			"	"	"	"	"	
2037-26-5	% Toluene-d8	99			70-130 %			"	"	"	"	"	

SC515951

eurofins | Spectrum Analytical

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- [x] Standard TAT - 7 to 10 business days
- [ ] Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 60 days unless otherwise instructed.

Report To: E & E, Inc
368 Pleasantview Dr
Lancaster, NY 14086

Telephone #: (716) 684-8060
Project Mgr: Mary Kate Mooney

Invoice To: E & E, Inc

P.O No.: _____ Quote #: _____

Project No: _____
Site Name: MrCs OM & M
Location: East Aurora State: NY
Sampler(s): R. Allen

F=Field Filtered 1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

DW=Dinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1=_____ X2=_____ X3=_____

G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	List Preservative Code below: —	4	2						Analysis: pH	Hardness	VOCs	Check if chlorinated
SC515951 01	INFLUENT	10/31/18	12:30 P	G	GW				1									✓			☐
	INFLUENT			G	GW				1										✓		☐
	INFLUENT			G	GW	3														✓	☐
02	EFFLUENT			G	GW				1									✓			☐
	EFFLUENT			G	GW				1										✓		☐
	EFFLUENT			G	GW	3														✓	☐
03	HCL TB			G	W	2														✓	☐
																					☐
																					☐
																					☐

Check if chlorinated

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☒ No
CT DPH RCP Report? ☐ Yes ☒ No
☒ Standard ☐ No QC ☐ DQA*
☒ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☒ Other: ~~CAT A~~
State-specific reporting standards:

Please send another Sample Kit. (Do not send smallest coolers)

Relinquished by:	Received by:	Date:	Time:
Richard C Allen Jr	Fedex		
Fedex		11/1/18	12:12

Temp °C
Observed: 3.3
Correction Factor: 0
Corrected: 3.3
IR ID #: 1

☒ EDD format: PDF
☒ E-mail to: mmooneye@ene.com

Condition upon receipt: Custody Seals: ☒ Present ☒ Intact ☐ Broken
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

Attachment C
IEG Summary of Field Activities
September and October 2018

09/06/2018
09/17/2018
09/24/2018
10/26/2018
10/31/2018

MR. C's DRY CLEANERS SITE
NYSDEC Site #9-15-157
OM&M: SITE INSPECTION FORM

DATE: 6-Sep-18 **ACTIVITIES:** Site Inspection

INSPECTION PERSONNEL: R. Allen **OTHER PERSONNEL:** Blackstone Construction

WEATHER CONDITIONS: Partly cloudy, hot **OUTSIDE TEMPERATURE (°F):** 78

ARE WELL PUMPS OPERATING IN AUTO: YES: NO: √ If "NO", provide explanation below

RW-1, PW-2 and PW-3 are manually set to OFF position; PW-4 through PW-8 are in AUTO

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: √	OFF:	13	ft	PW-5	ON:	OFF: √	7	ft
PW-2	ON:	OFF: √	9	ft	PW-6	ON:	OFF: √	5	ft
PW-3	ON: √	OFF:	11	ft	PW-7	ON:	OFF: √	3	ft
PW-4	ON: √	OFF:	6	ft	PW-8	ON:	OFF: √	5	ft

EQUALIZATION TANK: 3 ft **Last Alarm D/T/Condition:** 6/12/2018 Air Stripper Lo Pressure

NOTES:

INFLUENT FLOW RATE: 20 gpm **INFLUENT TOTALIZER READING:** 16339376 gallons

SEQUESTERING AGENT DRUM LEVEL: 21 inches *(x 1.7=)* **AMOUNT OF AGENT REMAINING:** 36 gallons

SEQUESTERING AGENT FEED RATE: ----- ml/min **METERING PUMP PRESSURE:** ----- psi

	Top	Bottom		Top	Bottom	
BAG FILTER PRESSURES: LEFT:	0	0	psi	RIGHT: 6	0	psi

INFLUENT FEED PUMP IN USE: #1 √ #2 **INFLUENT PUMP PRESSURE:** 8 psi

AIR STRIPPER BLOWER IN USE: #1 √ #2 **AIR STRIPPER PRESSURE:** 29 in. H_2O

AIR STRIPPER DIFFERENTIAL PRESSURE: broken in. H_2O **DISCHARGE PRESSURE:** 9.7 in. H_2O

AIR FLOW : 1400 fpm X 1.4 = 1960 CFM **AIR SPARGER** LEFT 6.2 RIGHT 3.1 CFM

AIR TEMP: 107 °F

EFFLUENT PUMP IN USE: #1 #2 √ **EFFLUENT FEED PUMP PRESSURE:** 9 psi

EFFLUENT FLOW RATE: 134 gpm **EFFLUENT TOTALIZER READING:** 84,207,282 | 869600 gallons

ARE BUILDING HEATERS IN USE? YES: NO: √ **INSIDE TEMPERATURE (°F):** 89

IS SUMP PUMP IN USE: YES: √ NO: **ARE ANY LEAKS PRESENT?** YES: NO: √

WATER LEVEL IN SUMP: 6.5 in. **TREATMENT BUILDING CLEAN & ORGANIZED?** YES: √ NO:

MR. C's DRY CLEANERS SITE
NYSDEC Site #90150157
SITE INSPECTION FORM

6-Sep-18

SAMPLES COLLECTED? **YES:** ____ **NO:** √

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
AIR STRIPPER INFLUENT:						
AIR STRIPPER EFFLUENT:						

IS THERE EVIDENCE OF TAMPERING/VANDALISM OF WELLS: ? **YES:** ____ **NO:** √

WERE MANHOLES INSPECTED? **YES:** √ **NO:** ____

WERE ELECTRICAL BOXES INSPECTED? **YES:** √ **NO:** ____

IS WATER PRESENT IN ANY MANHOLES OR ELECTRICAL BOXES? **YES:** ____ **NO:** √

If yes, provide manhole/electric box ID and description of any corrective measures below:

RW-1 inner ring is corroded.

SUBSLAB SYSTEMS

TREATMENT ROOM

MANOMETER: **1.5** **in. WC** west east ***NOTES:*** cfm = 0.05 x fpm (3" PVC)

(Fan Inlet) **FLOW (fpm):**

CONDENSATE **-----** **gallon** **FLOW (cfm):**

DRAINED **No** **VACUUM GAUGE (in WC)**

OTHER LOCATIONS

586 Building SVE CONDENSATE drained: **NO**____ VOLUME: **------** gallon

INCLUDE REMARKS & DESCRIBE ANY OTHER SYSTEM MAINTENANCE PERFORMED ON MR. C's SITE

Remarks:

Other Actions: Intrepid Automotive excavated the sink hole at 574 Main St parking lot. Found a collapsing old wooden septic basin.

Excavated and disposed of old basin and surrounding material. Backfilled with stone and crusher run.

Changed bag filters.

AGWAY

Remarks: Site is empty of materials and has been graded and graveled.

Other Actions:

MR. C's DRY CLEANERS SITE
NYSDEC Site #9-15-157
OM&M: SITE INSPECTION FORM

DATE: 17-Sep-18 *ACTIVITIES:* Site Inspection

INSPECTION PERSONNEL: R. Allen *OTHER PERSONNEL:* ----------

WEATHER CONDITIONS: Partly cloudy, warm *OUTSIDE TEMPERATURE (°F):* 78

ARE WELL PUMPS OPERATING IN AUTO: YES: NO: √ If "NO", provide explanation below

RW-1, PW-2 and PW-3 are manually set to OFF position; PW-4 through PW-8 are in AUTO

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: √	OFF:	13	ft	PW-5	ON:	OFF: √	5	ft
PW-2	ON:	OFF: √	9	ft	PW-6	ON:	OFF: √	6	ft
PW-3	ON: √	OFF:	11	ft	PW-7	ON:	OFF: √	4	ft
PW-4	ON:	OFF: √	4	ft	PW-8	ON:	OFF: √	7	ft

EQUALIZATION TANK: 4 ft Last Alarm D/T/Condition: 6/12/2018 Air Stripper Low Pressure

NOTES:

INFLUENT FLOW RATE: 10 gpm INFLUENT TOTALIZER READING: 16401243 gallons

SEQUESTERING AGENT DRUM LEVEL: 12 inches *(x 1.7=)* *AMOUNT OF AGENT REMAINING:* 21 gallons

SEQUESTERING AGENT FEED RATE: ----- ml/min *METERING PUMP PRESSURE:* ----- psi

	Top	Bottom			Top	Bottom	
BAG FILTER PRESSURES: LEFT:	0	0	psi	RIGHT:	6	0	psi

INFLUENT FEED PUMP IN USE: #1 √ #2 *INFLUENT PUMP PRESSURE:* 8 psi

AIR STRIPPER BLOWER IN USE: #1 √ #2 *AIR STRIPPER PRESSURE:* 29 in. H_2O

AIR STRIPPER DIFFERENTIAL PRESSURE: broken in. H_2O *DISCHARGE PRESSURE:* 9.8 in. H_2O

AIR FLOW : 1050 fpm X 1.4 = 1470 CFM *AIR SPARGER* *LEFT* 6.4 *RIGHT* 3.1 CFM

AIR TEMP: 107 °F

EFFLUENT PUMP IN USE: #1 #2 √ *EFFLUENT FEED PUMP PRESSURE:* 9 psi

EFFLUENT FLOW RATE: 134 gpm *EFFLUENT TOTALIZER READING:* 84,248,222 | 911330 gallons

ARE BUILDING HEATERS IN USE? YES: NO: √ *INSIDE TEMPERATURE (°F):* 89

IS SUMP PUMP IN USE: YES: √ NO: *ARE ANY LEAKS PRESENT?* YES: √ NO:

WATER LEVEL IN SUMP: 7.5 in. *TREATMENT BUILDING CLEAN & ORGANIZED?* YES: √ NO:

MR. C's DRY CLEANERS SITE
NYSDEC Site #90150157
SITE INSPECTION FORM

17-Sep-18

SAMPLES COLLECTED? **YES:** ____ **NO:** √

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
AIR STRIPPER INFLUENT:						
AIR STRIPPER EFFLUENT:						

IS THERE EVIDENCE OF TAMPERING/VANDALISM OF WELLS: ? **YES:** ____ **NO:** √

WERE MANHOLES INSPECTED? **YES:** √ **NO:** ____

WERE ELECTRICAL BOXES INSPECTED? **YES:** √ **NO:** ____

IS WATER PRESENT IN ANY MANHOLES OR ELECTRICAL BOXES? **YES:** ____ **NO:** √

If yes, provide manhole/electric box ID and description of any corrective measures below:

RW-1 inner ring is corroded.

SUBSLAB SYSTEMS

TREATMENT ROOM

MANOMETER: 1.5 **in. WC** west east ***NOTES:*** cfm = 0.05 x fpm (3" PVC)

(Fan Inlet) **FLOW (fpm):**

CONDENSATE ------ **gallon** **FLOW (cfm):**

DRAINED No **VACUUM GAUGE (in WC)**

OTHER LOCATIONS

586 Building SVE CONDENSATE drained: **NO**____ VOLUME: ----- gallon

INCLUDE REMARKS & DESCRIBE ANY OTHER SYSTEM MAINTENANCE PERFORMED ON MR. C's SITE

Remarks: Slow drip from Effluent Pipe at EQ Tank fittings.

Other Actions: IAE had Baughman Magic Seal pave over the sink hole at 574 Main St parking lot.

AGWAY

Remarks: Site is empty of materials and has been graded and graveled.

Other Actions:

MR. C's DRY CLEANERS SITE
NYSDEC Site #9-15-157
OM&M: SITE INSPECTION FORM

DATE: 24-Sep-18 **ACTIVITIES:** Site Inspection

INSPECTION PERSONNEL: R. Allen **OTHER PERSONNEL:** Caroll Heating

WEATHER CONDITIONS: Partly cloudy, warm **OUTSIDE TEMPERATURE (°F):** 67

ARE WELL PUMPS OPERATING IN AUTO: YES: NO: √ **If "NO", provide explanation below**

RW-1, PW-2 and PW-3 are manually set to OFF position; PW-4 through PW-8 are in AUTO

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: √	OFF:	13	ft	PW-5	ON:	OFF: √	4	ft
PW-2	ON:	OFF: √	9	ft	PW-6	ON:	OFF: √	6	ft
PW-3	ON: √	OFF:	11	ft	PW-7	ON:	OFF: √	7	ft
PW-4	ON:	OFF: √	4	ft	PW-8	ON:	OFF: √	6	ft

EQUALIZATION TANK: 4 ft **Last Alarm D/T/Condition:** 9/21/18 Air Stripper Low Pressure

NOTES:

INFLUENT FLOW RATE: 0 gpm **INFLUENT TOTALIZER READING:** 16424267 gallons

SEQUESTERING AGENT DRUM LEVEL: 9 inches (x 1.7=) **AMOUNT OF AGENT REMAINING:** 16 gallons

SEQUESTERING AGENT FEED RATE: ----- ml/min **METERING PUMP PRESSURE:** ----- psi

	Top	Bottom			Top	Bottom	
BAG FILTER PRESSURES: LEFT:	0	0	psi	RIGHT:	6	0	psi

INFLUENT FEED PUMP IN USE: #1 √ #2 **INFLUENT PUMP PRESSURE:** 8 psi

AIR STRIPPER BLOWER IN USE: #1 √ #2 **AIR STRIPPER PRESSURE:** 28 in. H_2O

AIR STRIPPER DIFFERENTIAL PRESSURE: broken in. H_2O **DISCHARGE PRESSURE:** 9.7 in. H_2O

AIR FLOW : 1200 fpm X 1.4 = 1680 CFM **AIR SPARGER** LEFT 6.4 RIGHT 3.1 CFM

AIR TEMP: 86 °F

EFFLUENT PUMP IN USE: #1 #2 √ **EFFLUENT FEED PUMP PRESSURE:** 2 psi

EFFLUENT FLOW RATE: 12 gpm **EFFLUENT TOTALIZER READING:** 84,263,953 | 927230 gallons

ARE BUILDING HEATERS IN USE? YES: NO: √ **INSIDE TEMPERATURE (°F):** 77

IS SUMP PUMP IN USE: YES: √ NO: **ARE ANY LEAKS PRESENT?** YES: √ NO:

WATER LEVEL IN SUMP: 6.0 in. **TREATMENT BUILDING CLEAN & ORGANIZED?** YES: √ NO:

MR. C's DRY CLEANERS SITE
NYSDEC Site #90150157
SITE INSPECTION FORM

24-Sep-18

SAMPLES COLLECTED? **YES:** √ **NO:** _____ (Samples 9/29)

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
AIR STRIPPER INFLUENT:	INF	2:30 pm	9.1	11.5	17.6	1822
AIR STRIPPER EFFLUENT:	EFF	2:30 pm	8.8	11.9	18.3	2086

IS THERE EVIDENCE OF TAMPERING/VANDALISM OF WELLS: ? **YES:** _____ **NO:** √

WERE MANHOLES INSPECTED? **YES:** √ **NO:** _____

WERE ELECTRICAL BOXES INSPECTED? **YES:** √ **NO:** _____

IS WATER PRESENT IN ANY MANHOLES OR ELECTRICAL BOXES? **YES:** _____ **NO:** √

If yes, provide manhole/electric box ID and description of any corrective measures below:

RW-1 inner ring is corroded.

SUBSLAB SYSTEMS

TREATMENT ROOM

MANOMETER: **1.4** **in. WC** west east ***NOTES:*** cfm = 0.05 x fpm (3" PVC)

(Fan Inlet) **FLOW (fpm):**

CONDENSATE **------** **gallon** **FLOW (cfm):**

DRAINED **No** **VACUUM GAUGE (in WC)**

OTHER LOCATIONS

586 Building SVE CONDENSATE drained: **NO**____ VOLUME: **------** gallon

INCLUDE REMARKS & DESCRIBE ANY OTHER SYSTEM MAINTENANCE PERFORMED ON MR. C's SITE

Remarks: Slow drip from Effluent Pipe at EQ Tank fittings.

Other Actions: AutoDialer Codes: 03, 12 are ON. Reset Air Stripper Panel and AutoDialer.

Emptied old remainder of old Redux drum into present drum. Rinse old drum.

Tested both Effluent Pumps after observing cavitation and slow pumping with Effluent Pump #2. Disassemble both Effluent Pumps from system and take to S&S Electric for inspection and repair.

AGWAY

Remarks: Site is empty of materials and has been graded and graveled.

Other Actions:

MR. C's DRY CLEANERS SITE
NYSDEC Site #9-15-157
OM&M: SITE INSPECTION FORM

DATE: 26-Oct-18 *ACTIVITIES:* Site Inspection

INSPECTION PERSONNEL: D. Iyer *OTHER PERSONNEL:* ----------

WEATHER CONDITIONS: Cloudy, cold *OUTSIDE TEMPERATURE (°F):* 47

ARE WELL PUMPS OPERATING IN AUTO: YES: NO: √ If "NO", provide explanation below

RW-1, PW-2 and PW-3 are manually set to OFF position; PW-4 through PW-8 are in AUTO

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON:		OFF:	√	13 ft	PW-5	ON:	OFF:	√	7 ft
PW-2	ON:		OFF:	√	10 ft	PW-6	ON:	OFF:	√	4 ft
PW-3	ON:		OFF:	√	11 ft	PW-7	ON:	OFF:	√	7 ft
PW-4	ON:	√	OFF:		5 ft	PW-8	ON:	√	OFF:		3 ft

EQUALIZATION TANK: 4 ft Last Alarm D/T/Condition: 9/21/18 Air Stripper Low Pressure

NOTES:

INFLUENT FLOW RATE: 23.4 gpm INFLUENT TOTALIZER READING: 16502025 gallons

SEQUESTERING AGENT DRUM LEVEL: 33 inches *(x 1.7=)* *AMOUNT OF AGENT REMAINING:* 54 gallons

SEQUESTERING AGENT FEED RATE: ----- ml/min *METERING PUMP PRESSURE:* ----- psi

		Top	Bottom		Top	Bottom
BAG FILTER PRESSURES:	LEFT:	0	0 psi	RIGHT:	6	0 psi

INFLUENT FEED PUMP IN USE: #1 √ #2 *INFLUENT PUMP PRESSURE:* 7 psi

AIR STRIPPER BLOWER IN USE: #1 √ #2 *AIR STRIPPER PRESSURE:* 19 in. H_2O

AIR STRIPPER DIFFERENTIAL PRESSURE: broken in. H_2O *DISCHARGE PRESSURE:* 9.8 in. H_2O

AIR FLOW : ------ fpm X 1.4 = #VALUE! CFM *AIR SPARGER* *LEFT* 6.7 *RIGHT* 3.3 CFM

AIR TEMP: ---- °F

EFFLUENT PUMP IN USE: #1 √ #2 *EFFLUENT FEED PUMP PRESSURE:* 4.5 psi

EFFLUENT FLOW RATE: 95 gpm *EFFLUENT TOTALIZER READING:* 84,317,450 | 980950 gallons

ARE BUILDING HEATERS IN USE? YES: √ NO: *INSIDE TEMPERATURE (°F):* 64

IS SUMP PUMP IN USE: YES: √ NO: *ARE ANY LEAKS PRESENT?* YES: NO: √

WATER LEVEL IN SUMP: 6.0 in. *TREATMENT BUILDING CLEAN & ORGANIZED?* YES: √ NO:

MR. C's DRY CLEANERS SITE

NYSDEC Site #90150157

SITE INSPECTION FORM

26-Oct-18

SAMPLES COLLECTED? **YES:** ____ **NO:** √

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
AIR STRIPPER INFLUENT:						
AIR STRIPPER EFFLUENT:						

IS THERE EVIDENCE OF TAMPERING/VANDALISM OF WELLS: ? **YES:** ____ **NO:** √

WERE MANHOLES INSPECTED? **YES:** √ **NO:** ____

WERE ELECTRICAL BOXES INSPECTED? **YES:** √ **NO:** ____

IS WATER PRESENT IN ANY MANHOLES OR ELECTRICAL BOXES? **YES:** ____ **NO:** √

If yes, provide manhole/electric box ID and description of any corrective measures below:

RW-1 inner ring is corroded.

SUBSLAB SYSTEMS

TREATMENT ROOM

MANOMETER: 1.4 **in. WC** west east ***NOTES:*** cfm = 0.05 x fpm (3" PVC)

(Fan Inlet) **FLOW (fpm):**

CONDENSATE 5.0 **gallon** **FLOW (cfm):**

DRAINED Yes **VACUUM GAUGE (in WC)**

OTHER LOCATIONS

586 Building SVE CONDENSATE drained: **YES**___ VOLUME: 2.0 gallon

INCLUDE REMARKS & DESCRIBE ANY OTHER SYSTEM MAINTENANCE PERFORMED ON MR. C's SITE

Remarks:

Other Actions: Made up fresh Rdux batch; Redux 1; Water 2.

System turned back ON Oct 17.

AGWAY

Remarks: Site is empty of materials and has been graded and graveled.

Other Actions:

MR. C's DRY CLEANERS SITE
NYSDEC Site #9-15-157
OM&M: SITE INSPECTION FORM

DATE: 31-Oct-18 *ACTIVITIES:* Site Inspection

INSPECTION PERSONNEL: R. Allen *OTHER PERSONNEL:*

WEATHER CONDITIONS: Cloudy, rain, warm *OUTSIDE TEMPERATURE (°F):* 52

ARE WELL PUMPS OPERATING IN AUTO: YES: NO: √ If "NO", provide explanation below

RW-1, PW-2 and PW-3 are manually set to OFF position; PW-4 through PW-8 are in AUTO

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: √	OFF:	13	ft	PW-5	ON:	OFF: √	4	ft
PW-2	ON:	OFF: √	11	ft	PW-6	ON:	OFF: √	7	ft
PW-3	ON: √	OFF:	11	ft	PW-7	ON:	OFF: √	7	ft
PW-4	ON:	OFF: √	5	ft	PW-8	ON:	OFF: √	6	ft

EQUALIZATION TANK: 3 ft Last Alarm D/T/Condition: 9/21/18 Air Stripper Low Pressure

NOTES:

INFLUENT FLOW RATE: 10 gpm INFLUENT TOTALIZER READING: 16532568 gallons

SEQUESTERING AGENT DRUM LEVEL: 27 inches *(x 1.7=)* *AMOUNT OF AGENT REMAINING:* 46 gallons

SEQUESTERING AGENT FEED RATE: ----- ml/min *METERING PUMP PRESSURE:* ----- psi

		Top	Bottom			Top	Bottom	
BAG FILTER PRESSURES:	LEFT:	0	0	psi	RIGHT:	8	0	psi

INFLUENT FEED PUMP IN USE: #1 √ #2 *INFLUENT PUMP PRESSURE:* 7 psi

AIR STRIPPER BLOWER IN USE: #1 √ #2 *AIR STRIPPER PRESSURE:* 21 in. H_2O

AIR STRIPPER DIFFERENTIAL PRESSURE: broken in. H_2O *DISCHARGE PRESSURE:* 9.8 in. H_2O

AIR FLOW : 1200 fpm X 1.4 = 1680 CFM *AIR SPARGER* *LEFT* 6.9 *RIGHT* 3.2 CFM

AIR TEMP: 87 °F

EFFLUENT PUMP IN USE: #1 √ #2 *EFFLUENT FEED PUMP PRESSURE:* 6 psi

EFFLUENT FLOW RATE: 90 gpm *EFFLUENT TOTALIZER READING:* 84,337,980 | 1380 gallons

ARE BUILDING HEATERS IN USE? YES: NO: √ *INSIDE TEMPERATURE (°F):* 69

IS SUMP PUMP IN USE: YES: √ NO: *ARE ANY LEAKS PRESENT?* YES: NO: √

WATER LEVEL IN SUMP: 6.5 in. *TREATMENT BUILDING CLEAN & ORGANIZED?* YES: √ NO:

MR. C's DRY CLEANERS SITE
NYSDEC Site #90150157
SITE INSPECTION FORM

31-Oct-18

SAMPLES COLLECTED? **YES:** √ **NO:** ____

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
AIR STRIPPER INFLUENT:	INF	11:00 am	7.5	7.6	14.4	2339
AIR STRIPPER EFFLUENT:	EFF	11:00 am	8.9	9.9	16.1	2342

IS THERE EVIDENCE OF TAMPERING/VANDALISM OF WELLS: ? **YES:** ____ **NO:** √

WERE MANHOLES INSPECTED? **YES:** √ **NO:** ____

WERE ELECTRICAL BOXES INSPECTED? **YES:** √ **NO:** ____

IS WATER PRESENT IN ANY MANHOLES OR ELECTRICAL BOXES? **YES:** √ **NO:** ____

If yes, provide manhole/electric box ID and description of any corrective measures below:

RW-1 inner ring is corroded.

SUBSLAB SYSTEMS

TREATMENT ROOM

MANOMETER:	**1.4**	**in. WC**		west	east	***NOTES:*** cfm = 0.05 x fpm (3" PVC)
(Fan Inlet)			**FLOW (fpm):**	975	370	
CONDENSATE	**1.0**	**gallon**	**FLOW (cfm):**	48.75	18.5	
DRAINED	**Yes**	**VACUUM GAUGE (in WC)**				

OTHER LOCATIONS

586 Building SVE CONDENSATE drained: **YES**___ VOLUME: **1.0** gallon

INCLUDE REMARKS & DESCRIBE ANY OTHER SYSTEM MAINTENANCE PERFORMED ON MR. C's SITE

Remarks:

Other Actions: Emptied some of the E&E, Inc purge water into sump box.

AGWAY

Remarks: Site is empty of materials and has been graded and graveled.

Other Actions:

Attachment D
Summary of Site Utility Costs and Projections
January to December 2018

Mr. C's Dry Cleaners Site - Remedial Treatment Utility Costs
NYSDEC Work Assignment #10C3074.0011.11
12 Months of System Operation and Maintenance
September and October 2018 Report

ATTACHMENT D

Utility Budget:	Electric:	$25,300.00
	Telephone:	$540.00
	Gas	$1,120.00
	Total:	$26,960.00

Gas and Electric

Utility Provider	Account #	E&E Cost Center	Description	Jan-2018	Feb-2018	Mar-2018	Apr-2018	May-2018	Jun-2018
New York State E&G	1001-0310-422	EN-003229-0001-03TTO	Mr. C's Electric Costs	$ 1,314.70	$ 1,124.10	$ 975.14	$ 1,077.67	$ 1,378.14	$ 1,207.50
New York State E&G	76-311-11-015900-18								
National Fuel Gas	7160295 10	EN-003229-0001-03TTO	Mr. C's Natural Gas Costs	$ 81.72	$ 62.46	$ 65.75	$ 68.44	$ 38.16	$ 65.63
			Totals	**$ 1,396.42**	**$ 1,186.56**	**$ 1,040.89**	**$ 1,146.11**	**$ 1,416.30**	**$ 1,273.13**

		Jul-2018	Aug-2018	Sep-2018	Oct-2018	Nov-2018	Dec-2018
	Mr. C's Electric Costs	$ 1,154.72	$ 1,269.42	$ 1,449.31	$ 925.36		
	Mr. C's Natural Gas Costs	$ 111.83	$ 21.25	$ -	$ 20.19		
	Totals	**$ 1,266.55**	**$ 1,290.67**	**$ 1,449.31**	**$ 945.55**	**$ -**	**$ -**

Electric - Mr. C's	**$**	**11,876.06**	**Notes:**
Natural Gas - Mr. C's	**$**	**535.43**	Overbilled natural gas costs - no charges
Grand Total - NYSE&G/National Fuel Gas Costs To Date	**$**	**12,411.49**	**Estimated Reading**

Telephone

Utility Provider	Phone #	E&E Cost Center	Location Description	Jan-2018	Feb-2018	Mar-2018	Apr-2018	May-2018	Jun-2018
Granite Telecommunications				$ 41.09	$ 41.09	$ 41.09	$ 41.09	$ 41.09	$ 41.09
Account # 01890582	866-874-5500	EN-003229-0001-03TTO	Mr. C's Telephone Costs	**Jul-2018**	**Aug-2018**	**Sep-2018**	**Oct-2018**	**Nov-2018**	**Dec-2018**
				$ 41.09	$ 41.09	$ 41.09	$ 41.09		

Verizon Costs to Date - Mr. C's	**$**	**410.90**

Grand Total All Utilities To Date	**$**	**12,822.39**

Monthly Average Costs

Mr. C's Electric	$	1,187.61
Mr. C's Gas	$	53.54
Mr. C's Telephone	$	41.09
Average Utility Cost Total	**$**	**1,282.24**
12 Month Estimate	**$**	**15,386.87**

Budget Remaining:	Electric:	$13,423.94
	Telephone:	$129.10
	Gas	$584.57
	Total:	$14,137.61

Attachment E
Excerpts from the Pumping Well Analytical Report from Spectrum Analytical Laboratories

Analytical Data Package Work Order ID: SC51707
Sampled by IEG: November 2, 2018
Report Received: November 15, 2018

eurofins | Spectrum Analytical

☑ Final Report
☐ Revised Report

Report Date:
15-Nov-18 16:27

Laboratory Report
SC51707

Ecology and Environment, Inc.
368 Pleasant View Drive
Lancaster, NY 14086
Attn: Mary Kate Mooney

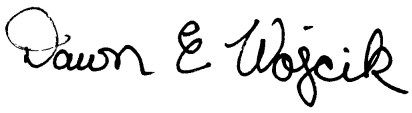
Project: Mr. C's - East Aurora, NY
Project #: [none]

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87936
Maine # MA138
New Hampshire # 2972/2538
New Jersey # MA011
New York # 11393
Pennsylvania # 68-04426/68-02924
Rhode Island # LAO00348
USDA # P330-15-00375
Vermont # VT-11393

Authorized by:

Dawn Wojcik
Laboratory Director



Eurofins Spectrum Analytical holds primary NELAC certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes. Please refer to our website for specific certification holdings in each state.
Please note that this report contains 23 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Eurofins Spectrum Analytical, Inc.

Eurofins Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Eurofins Spectrum Analytical, Inc. is currently accredited for the specific method or analyte indicated. Please refer to our 'Quality' web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Eurofins Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey, Pennsylvania and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (PA-68-04426).

Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.

Sample Summary

Work Order: SC51707

Project: Mr. C's - East Aurora, NY

Project Number: [none]

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SC51707-01	PW-4	Ground Water	02-Nov-18 12:30	05-Nov-18 11:55
SC51707-02	PW-5	Ground Water	02-Nov-18 12:30	05-Nov-18 11:55
SC51707-03	PW-6	Ground Water	02-Nov-18 13:00	05-Nov-18 11:55
SC51707-04	PW-7	Ground Water	02-Nov-18 13:00	05-Nov-18 11:55
SC51707-05	PW-8	Ground Water	02-Nov-18 13:30	05-Nov-18 11:55

Summary of Hits

Lab ID: SC51707-01 **Client ID:** PW-4

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
cis-1,2-Dichloroethene	1160	D	50.0	µg/l	SW846 8260C
Tetrachloroethene	2500	D	50.0	µg/l	SW846 8260C
Trichloroethene	248	D	50.0	µg/l	SW846 8260C
Vinyl chloride	142	D	50.0	µg/l	SW846 8260C

Lab ID: SC51707-02 **Client ID:** PW-5

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
cis-1,2-Dichloroethene	21.0	J, D	50.0	µg/l	SW846 8260C
Tetrachloroethene	1940	D	50.0	µg/l	SW846 8260C
Trichloroethene	69.5	D	50.0	µg/l	SW846 8260C

Lab ID: SC51707-03 **Client ID:** PW-6

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
cis-1,2-Dichloroethene	82.5	D	50.0	µg/l	SW846 8260C
Tetrachloroethene	4300	D	50.0	µg/l	SW846 8260C
Trichloroethene	286	D	50.0	µg/l	SW846 8260C

Lab ID: SC51707-04 **Client ID:** PW-7

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
cis-1,2-Dichloroethene	3940	D	100	µg/l	SW846 8260C
Tetrachloroethene	4520	D	100	µg/l	SW846 8260C
trans-1,2-Dichloroethene	43.0	J, D	100	µg/l	SW846 8260C
Trichloroethene	563	D	100	µg/l	SW846 8260C
Vinyl chloride	442	D	100	µg/l	SW846 8260C

Lab ID: SC51707-05 **Client ID:** PW-8

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
cis-1,2-Dichloroethene	351	D	10.0	µg/l	SW846 8260C
Methyl tert-butyl ether	5.20	J, D	10.0	µg/l	SW846 8260C
Tetrachloroethene	150	D	10.0	µg/l	SW846 8260C
Trichloroethene	13.8	D	10.0	µg/l	SW846 8260C
Vinyl chloride	59.5	D	10.0	µg/l	SW846 8260C

Please note that because there are no reporting limits associated with hazardous waste characterizations or micro analyses, this summary does not include hits from these analyses if included in this work order.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
PW-4	[none]	Ground Water	02-Nov-18 12:30	05-Nov-18
SC51707-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260 Prepared by method SW846 5030 Water MS			GS1										
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 29.0	U, D	µg/l	50.0	29.0	50	SW846 8260C	12-Nov-18	13-Nov-18	MP	1814905	X
67-64-1	Acetone	< 188	U, D	µg/l	500	188	50	"	"	"	"	"	X
71-43-2	Benzene	< 17.0	U, D	µg/l	50.0	17.0	50	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 14.6	U, D	µg/l	25.0	14.6	50	"	"	"	"	"	X
75-25-2	Bromoform	< 12.1	U, D	µg/l	50.0	12.1	50	"	"	"	"	"	X
74-83-9	Bromomethane	< 22.3	U, D	µg/l	100	22.3	50	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 35.2	U, D	µg/l	100	35.2	50	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 35.0	U, D	µg/l	100	35.0	50	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 19.6	U, D	µg/l	50.0	19.6	50	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 15.0	U, D	µg/l	50.0	15.0	50	"	"	"	"	"	X
75-00-3	Chloroethane	< 20.2	U, D	µg/l	100	20.2	50	"	"	"	"	"	X
67-66-3	Chloroform	< 14.3	U, D	µg/l	50.0	14.3	50	"	"	"	"	"	X
74-87-3	Chloromethane	< 18.0	U, D	µg/l	100	18.0	50	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 23.6	U, D	µg/l	100	23.6	50	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 14.6	U, D	µg/l	25.0	14.6	50	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 15.0	U, D	µg/l	25.0	15.0	50	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 12.2	U, D	µg/l	50.0	12.2	50	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 15.0	U, D	µg/l	50.0	15.0	50	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 13.6	U, D	µg/l	50.0	13.6	50	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 17.2	U, D	µg/l	100	17.2	50	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 14.6	U, D	µg/l	50.0	14.6	50	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 9.05	U, D	µg/l	50.0	9.05	50	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 15.7	U, D	µg/l	50.0	15.7	50	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	**1,160**	D	µg/l	50.0	19.8	50	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 19.0	U, D	µg/l	50.0	19.0	50	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 14.4	U, D	µg/l	50.0	14.4	50	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 16.4	U, D	µg/l	25.0	16.4	50	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 15.3	U, D	µg/l	25.0	15.3	50	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 15.8	U, D	µg/l	50.0	15.8	50	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 31.7	U, D	µg/l	100	31.7	50	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 15.1	U, D	µg/l	50.0	15.1	50	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 14.8	U, D	µg/l	50.0	14.8	50	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 17.7	U, D	µg/l	100	17.7	50	"	"	"	"	"	X
75-09-2	Methylene chloride	< 19.2	U, D	µg/l	100	19.2	50	"	"	"	"	"	X
100-42-5	Styrene	< 16.4	U, D	µg/l	50.0	16.4	50	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 12.8	U, D	µg/l	25.0	12.8	50	"	"	"	"	"	X
127-18-4	Tetrachloroethene	**2,500**	D	µg/l	50.0	15.6	50	"	"	"	"	"	X
108-88-3	Toluene	< 14.5	U, D	µg/l	50.0	14.5	50	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 16.2	U, D	µg/l	50.0	16.2	50	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 12.2	U, D	µg/l	50.0	12.2	50	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 15.4	U, D	µg/l	50.0	15.4	50	"	"	"	"	"	X
79-01-6	Trichloroethene	**248**	D	µg/l	50.0	17.8	50	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
PW-4	[none]	Ground Water	02-Nov-18 12:30	05-Nov-18
SC51707-01				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260			GS1										
75-01-4	Vinyl chloride	**142**	D	µg/l	50.0	20.1	50	SW846 8260C	12-Nov-18	13-Nov-18	MP	1814905	X
1330-20-7	Total Xylenes	< 150	U, D	µg/l	150	150	50	"	"	"	"	"	X
110-82-7	Cyclohexane	< 21.8	U, D	µg/l	250	21.8	50	"	"	"	"	"	X
79-20-9	Methyl acetate	< 257	U, D	µg/l	500	257	50	"	"	"	"	"	X
108-87-2	Methylcyclohexane	< 19.5	U, D	µg/l	250	19.5	50	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*91*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*105*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*100*			*70-130 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
PW-5	[none]	Ground Water	02-Nov-18 12:30	05-Nov-18
SC51707-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260 Prepared by method SW846 5030 Water MS			GS1										
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 29.0	U, D	µg/l	50.0	29.0	50	SW846 8260C	12-Nov-18	13-Nov-18	MP	1814905	X
67-64-1	Acetone	< 188	U, D	µg/l	500	188	50	"	"	"	"	"	X
71-43-2	Benzene	< 17.0	U, D	µg/l	50.0	17.0	50	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 14.6	U, D	µg/l	25.0	14.6	50	"	"	"	"	"	X
75-25-2	Bromoform	< 12.1	U, D	µg/l	50.0	12.1	50	"	"	"	"	"	X
74-83-9	Bromomethane	< 22.3	U, D	µg/l	100	22.3	50	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 35.2	U, D	µg/l	100	35.2	50	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 35.0	U, D	µg/l	100	35.0	50	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 19.6	U, D	µg/l	50.0	19.6	50	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 15.0	U, D	µg/l	50.0	15.0	50	"	"	"	"	"	X
75-00-3	Chloroethane	< 20.2	U, D	µg/l	100	20.2	50	"	"	"	"	"	X
67-66-3	Chloroform	< 14.3	U, D	µg/l	50.0	14.3	50	"	"	"	"	"	X
74-87-3	Chloromethane	< 18.0	U, D	µg/l	100	18.0	50	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 23.6	U, D	µg/l	100	23.6	50	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 14.6	U, D	µg/l	25.0	14.6	50	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 15.0	U, D	µg/l	25.0	15.0	50	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 12.2	U, D	µg/l	50.0	12.2	50	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 15.0	U, D	µg/l	50.0	15.0	50	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 13.6	U, D	µg/l	50.0	13.6	50	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 17.2	U, D	µg/l	100	17.2	50	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 14.6	U, D	µg/l	50.0	14.6	50	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 9.05	U, D	µg/l	50.0	9.05	50	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 15.7	U, D	µg/l	50.0	15.7	50	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	**21.0**	J, D	µg/l	50.0	19.8	50	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 19.0	U, D	µg/l	50.0	19.0	50	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 14.4	U, D	µg/l	50.0	14.4	50	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 16.4	U, D	µg/l	25.0	16.4	50	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 15.3	U, D	µg/l	25.0	15.3	50	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 15.8	U, D	µg/l	50.0	15.8	50	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 31.7	U, D	µg/l	100	31.7	50	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 15.1	U, D	µg/l	50.0	15.1	50	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 14.8	U, D	µg/l	50.0	14.8	50	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 17.7	U, D	µg/l	100	17.7	50	"	"	"	"	"	X
75-09-2	Methylene chloride	< 19.2	U, D	µg/l	100	19.2	50	"	"	"	"	"	X
100-42-5	Styrene	< 16.4	U, D	µg/l	50.0	16.4	50	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 12.8	U, D	µg/l	25.0	12.8	50	"	"	"	"	"	X
127-18-4	Tetrachloroethene	**1,940**	D	µg/l	50.0	15.6	50	"	"	"	"	"	X
108-88-3	Toluene	< 14.5	U, D	µg/l	50.0	14.5	50	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 16.2	U, D	µg/l	50.0	16.2	50	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 12.2	U, D	µg/l	50.0	12.2	50	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 15.4	U, D	µg/l	50.0	15.4	50	"	"	"	"	"	X
79-01-6	Trichloroethene	**69.5**	D	µg/l	50.0	17.8	50	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
PW-5	[none]	Ground Water	02-Nov-18 12:30	05-Nov-18
SC51707-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260			GS1										
75-01-4	Vinyl chloride	< 20.1	U, D	µg/l	50.0	20.1	50	SW846 8260C	12-Nov-18	13-Nov-18	MP	1814905	X
1330-20-7	Total Xylenes	< 150	U, D	µg/l	150	150	50	"	"	"	"	"	X
110-82-7	Cyclohexane	< 21.8	U, D	µg/l	250	21.8	50	"	"	"	"	"	X
79-20-9	Methyl acetate	< 257	U, D	µg/l	500	257	50	"	"	"	"	"	X
108-87-2	Methylcyclohexane	< 19.5	U, D	µg/l	250	19.5	50	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*90*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*98*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*106*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*102*			*70-130 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
PW-6	[none]	Ground Water	02-Nov-18 13:00	05-Nov-18
SC51707-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260 Prepared by method SW846 5030 Water MS			GS1										
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 29.0	U, D	µg/l	50.0	29.0	50	SW846 8260C	12-Nov-18	13-Nov-18	MP	1814905	X
67-64-1	Acetone	< 188	U, D	µg/l	500	188	50	"	"	"	"	"	X
71-43-2	Benzene	< 17.0	U, D	µg/l	50.0	17.0	50	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 14.6	U, D	µg/l	25.0	14.6	50	"	"	"	"	"	X
75-25-2	Bromoform	< 12.1	U, D	µg/l	50.0	12.1	50	"	"	"	"	"	X
74-83-9	Bromomethane	< 22.3	U, D	µg/l	100	22.3	50	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 35.2	U, D	µg/l	100	35.2	50	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 35.0	U, D	µg/l	100	35.0	50	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 19.6	U, D	µg/l	50.0	19.6	50	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 15.0	U, D	µg/l	50.0	15.0	50	"	"	"	"	"	X
75-00-3	Chloroethane	< 20.2	U, D	µg/l	100	20.2	50	"	"	"	"	"	X
67-66-3	Chloroform	< 14.3	U, D	µg/l	50.0	14.3	50	"	"	"	"	"	X
74-87-3	Chloromethane	< 18.0	U, D	µg/l	100	18.0	50	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 23.6	U, D	µg/l	100	23.6	50	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 14.6	U, D	µg/l	25.0	14.6	50	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 15.0	U, D	µg/l	25.0	15.0	50	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 12.2	U, D	µg/l	50.0	12.2	50	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 15.0	U, D	µg/l	50.0	15.0	50	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 13.6	U, D	µg/l	50.0	13.6	50	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 17.2	U, D	µg/l	100	17.2	50	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 14.6	U, D	µg/l	50.0	14.6	50	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 9.05	U, D	µg/l	50.0	9.05	50	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 15.7	U, D	µg/l	50.0	15.7	50	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	**82.5**	D	µg/l	50.0	19.8	50	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 19.0	U, D	µg/l	50.0	19.0	50	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 14.4	U, D	µg/l	50.0	14.4	50	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 16.4	U, D	µg/l	25.0	16.4	50	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 15.3	U, D	µg/l	25.0	15.3	50	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 15.8	U, D	µg/l	50.0	15.8	50	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 31.7	U, D	µg/l	100	31.7	50	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 15.1	U, D	µg/l	50.0	15.1	50	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 14.8	U, D	µg/l	50.0	14.8	50	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 17.7	U, D	µg/l	100	17.7	50	"	"	"	"	"	X
75-09-2	Methylene chloride	< 19.2	U, D	µg/l	100	19.2	50	"	"	"	"	"	X
100-42-5	Styrene	< 16.4	U, D	µg/l	50.0	16.4	50	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 12.8	U, D	µg/l	25.0	12.8	50	"	"	"	"	"	X
127-18-4	Tetrachloroethene	**4,300**	D	µg/l	50.0	15.6	50	"	"	"	"	"	X
108-88-3	Toluene	< 14.5	U, D	µg/l	50.0	14.5	50	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 16.2	U, D	µg/l	50.0	16.2	50	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 12.2	U, D	µg/l	50.0	12.2	50	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 15.4	U, D	µg/l	50.0	15.4	50	"	"	"	"	"	X
79-01-6	Trichloroethene	**286**	D	µg/l	50.0	17.8	50	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
PW-6	[none]	Ground Water	02-Nov-18 13:00	05-Nov-18
SC51707-03				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260			GS1										
75-01-4	Vinyl chloride	< 20.1	U, D	µg/l	50.0	20.1	50	SW846 8260C	12-Nov-18	13-Nov-18	MP	1814905	X
1330-20-7	Total Xylenes	< 150	U, D	µg/l	150	150	50	"	"	"	"	"	X
110-82-7	Cyclohexane	< 21.8	U, D	µg/l	250	21.8	50	"	"	"	"	"	X
79-20-9	Methyl acetate	< 257	U, D	µg/l	500	257	50	"	"	"	"	"	X
108-87-2	Methylcyclohexane	< 19.5	U, D	µg/l	250	19.5	50	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*88*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*107*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*104*			*70-130 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
PW-7	[none]	Ground Water	02-Nov-18 13:00	05-Nov-18
SC51707-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260 Prepared by method SW846 5030 Water MS			GS1										
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 58.1	U, D	µg/l	100	58.1	100	SW846 8260C	12-Nov-18	13-Nov-18	MP	1814905	X
67-64-1	Acetone	< 376	U, D	µg/l	1000	376	100	"	"	"	"	"	X
71-43-2	Benzene	< 33.9	U, D	µg/l	100	33.9	100	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 29.1	U, D	µg/l	50.0	29.1	100	"	"	"	"	"	X
75-25-2	Bromoform	< 24.2	U, D	µg/l	100	24.2	100	"	"	"	"	"	X
74-83-9	Bromomethane	< 44.6	U, D	µg/l	200	44.6	100	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 70.3	U, D	µg/l	200	70.3	100	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 70.0	U, D	µg/l	200	70.0	100	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 39.2	U, D	µg/l	100	39.2	100	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 30.0	U, D	µg/l	100	30.0	100	"	"	"	"	"	X
75-00-3	Chloroethane	< 40.3	U, D	µg/l	200	40.3	100	"	"	"	"	"	X
67-66-3	Chloroform	< 28.6	U, D	µg/l	100	28.6	100	"	"	"	"	"	X
74-87-3	Chloromethane	< 36.0	U, D	µg/l	200	36.0	100	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 47.1	U, D	µg/l	200	47.1	100	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 29.1	U, D	µg/l	50.0	29.1	100	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 30.1	U, D	µg/l	50.0	30.1	100	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 24.5	U, D	µg/l	100	24.5	100	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 30.0	U, D	µg/l	100	30.0	100	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 27.2	U, D	µg/l	100	27.2	100	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 34.5	U, D	µg/l	200	34.5	100	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 29.2	U, D	µg/l	100	29.2	100	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 18.1	U, D	µg/l	100	18.1	100	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 31.4	U, D	µg/l	100	31.4	100	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	**3,940**	D	µg/l	100	39.7	100	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	**43.0**	J, D	µg/l	100	38.0	100	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 28.9	U, D	µg/l	100	28.9	100	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 32.8	U, D	µg/l	50.0	32.8	100	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 30.6	U, D	µg/l	50.0	30.6	100	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 31.7	U, D	µg/l	100	31.7	100	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 63.4	U, D	µg/l	200	63.4	100	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 30.2	U, D	µg/l	100	30.2	100	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 29.5	U, D	µg/l	100	29.5	100	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 35.4	U, D	µg/l	200	35.4	100	"	"	"	"	"	X
75-09-2	Methylene chloride	< 38.5	U, D	µg/l	200	38.5	100	"	"	"	"	"	X
100-42-5	Styrene	< 32.8	U, D	µg/l	100	32.8	100	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 25.7	U, D	µg/l	50.0	25.7	100	"	"	"	"	"	X
127-18-4	Tetrachloroethene	**4,520**	D	µg/l	100	31.1	100	"	"	"	"	"	X
108-88-3	Toluene	< 29.0	U, D	µg/l	100	29.0	100	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 32.3	U, D	µg/l	100	32.3	100	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 24.5	U, D	µg/l	100	24.5	100	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 30.9	U, D	µg/l	100	30.9	100	"	"	"	"	"	X
79-01-6	Trichloroethene	**563**	D	µg/l	100	35.5	100	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
PW-7	[none]	Ground Water	02-Nov-18 13:00	05-Nov-18
SC51707-04				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260			GS1										
75-01-4	Vinyl chloride	**442**	D	µg/l	100	40.2	100	SW846 8260C	12-Nov-18	13-Nov-18	MP	1814905	X
1330-20-7	Total Xylenes	< 300	U, D	µg/l	300	300	100	"	"	"	"	"	X
110-82-7	Cyclohexane	< 43.6	U, D	µg/l	500	43.6	100	"	"	"	"	"	X
79-20-9	Methyl acetate	< 514	U, D	µg/l	1000	514	100	"	"	"	"	"	X
108-87-2	Methylcyclohexane	< 39.0	U, D	µg/l	500	39.0	100	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*87*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*107*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*103*			*70-130 %*			"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
PW-8	[none]	Ground Water	02-Nov-18 13:30	05-Nov-18
SC51707-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260 Prepared by method SW846 5030 Water MS			GS1										
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 0.58	U	µg/l	1.00	0.58	1	SW846 8260C	12-Nov-18	13-Nov-18	MP	1814905	X
67-64-1	Acetone	< 37.6	U, D	µg/l	100	37.6	10	"	"	"	"	"	X
71-43-2	Benzene	< 3.39	U, D	µg/l	10.0	3.39	10	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 2.91	U, D	µg/l	5.00	2.91	10	"	"	"	"	"	X
75-25-2	Bromoform	< 2.42	U, D	µg/l	10.0	2.42	10	"	"	"	"	"	X
74-83-9	Bromomethane	< 4.46	U, D	µg/l	20.0	4.46	10	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 7.03	U, D	µg/l	20.0	7.03	10	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 7.00	U, D	µg/l	20.0	7.00	10	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 3.92	U, D	µg/l	10.0	3.92	10	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 3.00	U, D	µg/l	10.0	3.00	10	"	"	"	"	"	X
75-00-3	Chloroethane	< 4.03	U, D	µg/l	20.0	4.03	10	"	"	"	"	"	X
67-66-3	Chloroform	< 2.86	U, D	µg/l	10.0	2.86	10	"	"	"	"	"	X
74-87-3	Chloromethane	< 3.60	U, D	µg/l	20.0	3.60	10	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 4.71	U, D	µg/l	20.0	4.71	10	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 2.91	U, D	µg/l	5.00	2.91	10	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 3.01	U, D	µg/l	5.00	3.01	10	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 2.45	U, D	µg/l	10.0	2.45	10	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 3.00	U, D	µg/l	10.0	3.00	10	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 2.72	U, D	µg/l	10.0	2.72	10	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 3.45	U, D	µg/l	20.0	3.45	10	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 2.92	U, D	µg/l	10.0	2.92	10	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.81	U, D	µg/l	10.0	1.81	10	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 3.14	U, D	µg/l	10.0	3.14	10	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	**351**	D	µg/l	10.0	3.97	10	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 3.80	U, D	µg/l	10.0	3.80	10	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 2.89	U, D	µg/l	10.0	2.89	10	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 3.28	U, D	µg/l	5.00	3.28	10	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 3.06	U, D	µg/l	5.00	3.06	10	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 3.17	U, D	µg/l	10.0	3.17	10	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 6.34	U, D	µg/l	20.0	6.34	10	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 3.02	U, D	µg/l	10.0	3.02	10	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	**5.20**	J, D	µg/l	10.0	2.95	10	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 3.54	U, D	µg/l	20.0	3.54	10	"	"	"	"	"	X
75-09-2	Methylene chloride	< 3.85	U, D	µg/l	20.0	3.85	10	"	"	"	"	"	X
100-42-5	Styrene	< 3.28	U, D	µg/l	10.0	3.28	10	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 2.57	U, D	µg/l	5.00	2.57	10	"	"	"	"	"	X
127-18-4	Tetrachloroethene	**150**	D	µg/l	10.0	3.11	10	"	"	"	"	"	X
108-88-3	Toluene	< 2.90	U, D	µg/l	10.0	2.90	10	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 3.23	U, D	µg/l	10.0	3.23	10	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 2.45	U, D	µg/l	10.0	2.45	10	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 3.09	U, D	µg/l	10.0	3.09	10	"	"	"	"	"	X
79-01-6	Trichloroethene	**13.8**	D	µg/l	10.0	3.55	10	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
PW-8	[none]	Ground Water	02-Nov-18 13:30	05-Nov-18
SC51707-05				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260			GS1										
75-01-4	Vinyl chloride	**59.5**	D	µg/l	10.0	4.02	10	SW846 8260C	12-Nov-18	13-Nov-18	MP	1814905	X
1330-20-7	Total Xylenes	< 30.0	U, D	µg/l	30.0	30.0	10	"	"	"	"	"	X
110-82-7	Cyclohexane	< 4.36	U, D	µg/l	50.0	4.36	10	"	"	"	"	"	X
79-20-9	Methyl acetate	< 51.4	U, D	µg/l	100	51.4	10	"	"	"	"	"	X
108-87-2	Methylcyclohexane	< 3.90	U, D	µg/l	50.0	3.90	10	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*91*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*98*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*105*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*97*			*70-130 %*			"	"	"	"	"	

SC 51707 IR

eurofins | Spectrum Analytical

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:

☒ Standard TAT - 7 to 10 business days

☐ Rush TAT - Date Needed: _____

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 30 days unless otherwise instructed.

Report To: E & E Inc
368 Pleasantview Dr
Lancaster, NY 14086

Telephone #: (716) 684-8060
Project Mgr: Mary Kate Mooney

Invoice To: E & E, Inc

P.O No.: _____ Quote #: _____

Project No: _____
Site Name: Mr Cs OM & M
Location: East Aurora State: NY
Sampler(s): R. Allen

F=Field Filtered 1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

DW=Drinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1=_____ X2=_____ X3=_____

G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	List Preservative Code below: 2 / Analysis: VOCs	Check if chlorinated
51707-01	PW-4	11/2/18	12:30 P	G	GW	3				✓	☐
02	PW-5		12:30 P	G	GW	3				✓	☐
03	PW-6		1:00 P	G	GW	3				✓	☐
04	PW-7		1:00 P	G	GW	3				✓	☐
05	PW-8		1:30 P	G	GW	3				✓	☐
											☐
											☐
											☐
											☐
											☐

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☒ No
CT DPH RCP Report? ☐ Yes ☒ No
☐ Standard ☐ No QC ☐ DQA*
☒ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☐ Other: _____
State-specific reporting standards:

Please send another sample kit. (Medium Cooler)

Relinquished by:	Received by:	Date:	Time:	Temp °C
Richard C Allen Jr Fedex	Fedex	11/5/18	11:55	Observed 5.8 / Correction Factor 0 / Corrected 5.8 / IR ID # 1

☒ EDD format: PDF
☐ E-mail to: mmooneye@ene.com

Condition upon receipt: Custody Seals: ☒ Present ☒ Intact ☐ Broken
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen