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Environmental Specialists

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February 28, 2020

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
December 2019 Operations, Maintenance, and Monitoring Report

Dear Mr. Long:

Ecology and Environment Engineering and Geology, P.C. (E&E) is pleased to provide the December 2019 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 December 2019 reporting period, the treatment system was in operation from December 2, 2019 to January 2, 2020. The December monthly OM&M sampling was performed on January 2, 2020, and the results were received from SAI on January 21, 2020 (See Attachment A). A summary of field activities prepared by E&E's subcontractor, IYER Environmental Group, PLLC. (IEG), is provided in Attachment B. The current annual site utility cost information is provided in Attachment C.

In review of the on-site treatment system operations, monitoring and maintenance from IEG for December 2019, 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 December 2, 2019 through January 2, 2020, had an approximate operational up-time of 100.00%, and 112,963 gallons of contaminated groundwater were treated during the reporting period. The treated effluent volumes and operational up-time can be seen in Table 1.
- The compliance samples from January 2, 2020 did not meet all requirements of the SPDES Equivalency permit for cis-1,2-dichloroethene and PCE. The effluent results for from the January 2, 2020 sample are provided in Table 2. The system was subsequently shutdown and corrective actions were taken. Additional effluent samples were collected to confirm effectivity of corrective actions and will be included in the report for the January 2020 reporting period.
- The analytical summary results of the January 2, 2020 samples revealed the total volatile organic contaminant concentrations of the influent to be 3,466.70 µg/L and the concentration of total volatile organic contaminants in the effluent was 60.5 µg/L. The summary of influent and effluent contaminant concentrations for the December 2019

sampling are presented in Table 3. Figure 1 shows the influent and effluent VOC concentrations during each sampling event in 2018 and 2019.

- The Mr. C's treatment system, based on the total flows from the uptime operations, removed 3.21 lbs. of targeted contaminants from the groundwater between December 2, 2019 to January 2, 2020. The cleanup effectiveness for December 2019 was approximately 98.25%. The calculations and data for the month are presented in Table 3. The mass of VOCs removed each month throughout 2018 and 2019 is shown in Figure 2.

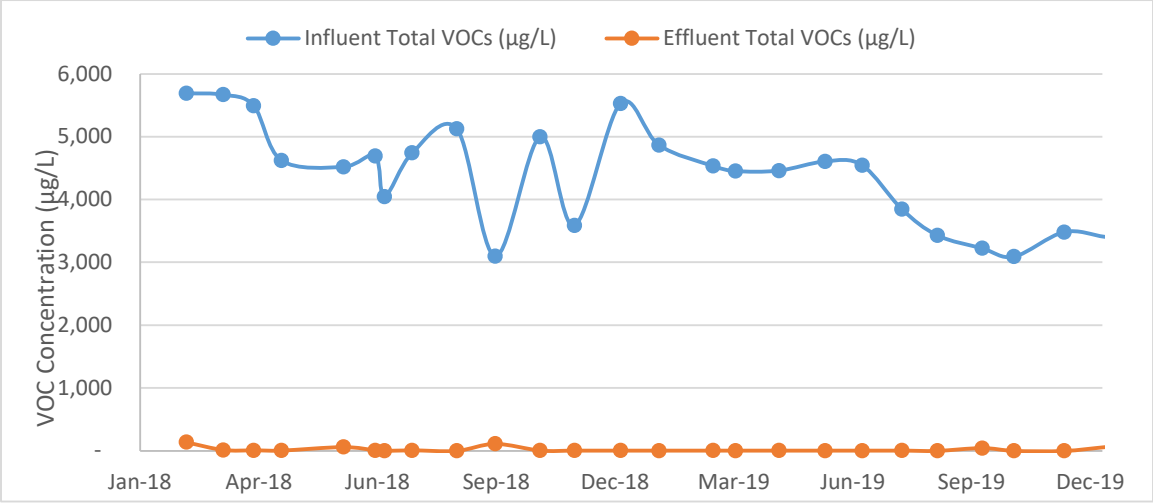

Figure 1: Monthly Influent and Effluent VOC concentrations - 2018 and 2019.

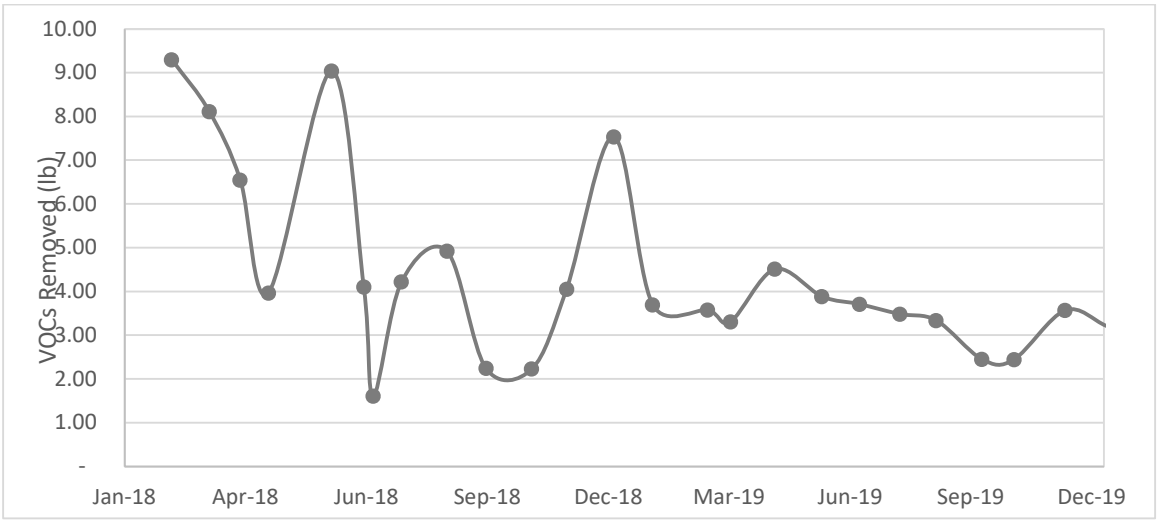

Figure 2: Mass of VOCs removed each month - 2018 and 2019.

If you have questions regarding the December 2019 OM&M report summary, please do not hesitate to contact me at 716-684-8060 or asmith@ene.com.

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

Ashlee Smith, P.E.
Project Manager

cc: D. Szymanski, Region 9, NYSDEC – Buffalo w/ attachments

Table 1
Mr. C's Dry Cleaners Site Remediation
Site #915157
System Operation and Management

Month	Sample Date	Up-time (Reporting Period)		Treated Effluent (gallon)	VOC Removal		
		Reporting Hours	Operational Up-time		Influent VOCs (µg/L)	Effluent VOCs(µg/L)	VOCs Removed (lbs.)
(Treatment System Up-time from 9/5/02 to 01/03/19)		**126,541.50**	**91.36%**	**133,095,600**	**NA**	**NA**	**1,753.47**
January 03, 2019 to January 31, 2019	January 29,2019	696	100.00%	91,077	4868.30	3.70	3.70
February 01, 2019 to February 28, 2019	March 11, 2019	516	76.79%	94,609	4538.10	6.20	3.58
March 01, 2019 to April 01, 2019	March 28, 2019	768	65.63%	89,168	4454.80	3.90	3.31
April 02, 2019 to April 30, 2019	April 30, 2019	696	100.00%	121,416	4460.00	3.90	4.52
May 01, 2019 to June 03, 2019	June 4, 2019	744	91.18%	101,172	4609.00	5.20	3.89
June 03, 2019 to July 02, 2019	July 2, 2019	696	100.00%	97,835	4547.40	3.40	3.71
July 03, 2019 to August 01, 2019	August 1, 2019	720	100.00%	108,661	3848.50	1.69	3.49
August 02, 2019 to September 04, 2019	August 28, 2019	816	100.00%	116,688	3432.00	0.01	3.34
September 05, 2019 to October 01, 2019	October 1, 2019	648	100.00%	92,495	3225.50	44.10	2.49
October 02, 2019 to October 31, 2019	October 31, 2019	720	100.00%	94,735	3094.00	0.10	2.45
November 01, 2019 to December 02, 2019	December 2, 2019	768	100.00%	122,892	3483.00	0.10	3.57
December 02, 2019 to January 02, 2020	January 2, 2020	744	100.00%	112,963	3466.70	60.50	3.27
Total in 2019		**8,532.00**	**94.35%**	**1,243,711**	**48,027.30**	**132.80**	**41.32**
Total from startup		**135,073.50**	**91.54%**	**134,339,311**	**NA**	**NA**	**1,794.80**

NOTES:

1. Up-time based as percentage of total reporting hours.
2. Treatment system operated by Iyer Environmental Group from 07/07/2016 to present.
3. VOC removal calculations are based on monthly water samples and assumes samples are representative of the entire reporting period.
4. VOC removal calculations assume that non-detect values = 0 ug/L.
5. Total VOCs summations include estimated "J" values.
6. VOC removal calculations are based on effluent totalizer readings.
7. "Influent VOCs" and "Effluent VOCs" values given above is the summation of values for individual compounds given in monthly analytical reports.
8. Unit conversion: 1 pound = 453.5924 grams, 1 gallon = 3.785 liters
9. Formula for the VOC removal calculation:

$$(VOCs_{Influent} - VOCs_{Effluent})(ug/L) \cdot (1g/10^{6}\,ug) \cdot (1\,lb/453.5924\,g) \cdot (Monthly\ process\ water)(gal) \cdot (3.785\,L/gallon)$$

Table 2
Mr. C's Dry Cleaners Site Remediation
Site #915157
Effluent Discharge Criteria & Analytical Compliance Results

Parameter/Analyte	Daily Maximum[1]	Units	January 2, 2020 Effluent Analytical Values Compliance
Flow (Average)[2]	N/A	gpd	3,644
pH	6.0 - 9.0	standard units	8.24
1,1 Dichloroethene	10	µg/L	ND(<1.0)
cis-1,2-dichloroethene	10	µg/L	32
Trichloroethene	10	µg/L	3
Tetrachloroethene	10	µg/L	16
Vinyl Chloride	10	µg/L	0.7
Benzene	5	µg/L	ND(<1.0)
Ethylbenzene	5	µg/L	ND(<1.0)
Methylene Chloride	10	µg/L	ND(<1.0)
1,1,1 Trichloroethane	10	µg/L	3
Toluene	5	µg/L	ND(<1.0)
Methyl-t-Butyl Ether (MTBE)	NA	ug/L	0.8
o-Xylene[3]	5	µg/L	ND(<1.0)
m, p-Xylene[3]	10	µg/L	ND(<1.0)
Total Xylenes	NA	ug/L	ND(<1.0)
Iron, total[4]	600	µg/L	NA[4]
Aluminum[4]	4,000	µg/L	NA[4]
Copper[4]	48	µg/L	NA[4]
Lead[4]	11	µg/L	NA[4]
Manganese[4]	2,000	µg/L	NA[4]
Silver[4]	100	µg/L	NA[4]
Vanadium[4]	28	µg/L	NA[4]
Zinc[4]	230	µg/L	NA[4]
Total Dissolved Solids[4]	850	mg/L	NA[4]
Total Suspended Solids[4]	20	mg/L	NA[4]
Hardness	N/A		481
Cyanide, Free[4]	10	µg/L	NA[4]

NOTES:

1. "Daily Maximum" excerpted from Attachment E of Addendum 1 to the Construction Contract Documents dated October 2000.
2. Average flows based on effluent readings:

   December 2 - January 2, 2020 = 3,644 gallons per day

3. Analytical report did not differentiate between o-Xylene and m, p-Xylene. Total Xylene value reported is given in each line.
4. Removed from the required analysis list by NYSDEC Region 9 in February 2005.
5. Dark shaded cells indicate that analytical value exceeds the "Daily Maximum."
6. "ND" indicates that the compound was not detected and lists the practical quantitation limit in parentheses.
7. "NA" indicates that analyses were not performed and data is unavailable.
8. "J" indicates an estimated value below the detection limit.
9. "B" indicates analyte found in the associated blank.
10. "NS" indicates that the parameter analysis was not sampled.

Indicates non-compliance with the NYSDEC effluent discharge requirements
Indicates Not Reported by Lab

NR

Table 3
Mr. C's Dry Cleaners Site Remediation
NYSDEC Site #915157
December 2019 VOC Analytical Summary

Compound	Based on the January 2, 2020 Effluent Analytical Results				
	Influent Concentration (ug/L)		Effluent Concentration (ug/L)		Cleanup Efficiency* (%)
Acetone	3		8		
Benzene	ND(<2)	U	ND(<1.0)	U	NA
2-Butanone	ND(<20)	U	ND(<10)	U	100.00%
1,1-Dichloroethene	3	J	ND(<1.0)	U	100.00%
cis-1, 2-Dichloroethene	1500		32	J	97.87%
Chloroform	ND(<2)	U	ND(<1.0)	U	NA
Chloromethane	ND(<2)	U	ND(<1.0)	U	NA
Methylene chloride	ND(<2)	U	ND(<1.0)	U	NA
Methyl tert-butyl ether (MTBE)	7.0		0.8	U	88.57%
Methyl acetate	ND(<50)	U	ND(<5.0)	U	NA
Tetrachloroethene (PCE)	1500		16	J	100.00%
Toluene	0.7	J	ND(<1.0)	U	NA
Trichloroethene (TCE)	240		3	U	98.75%
Carbon Disulfide	ND(<10)	U	ND(<5.0)	U	NA
1,1,2 Trichloro-1,2,2-trifluororethane	ND(<2)	U	ND(<1.0)	U	NA
2-Hexanone	ND(<20)	U	ND(<10)	U	NA
4-Methyl-2-pentanone	ND(<20)	U	ND(<10)	U	NA
Cyclohexane	ND(<10)	U	ND(<1.0)	U	NA
trans-1,2-dichloroethene	13		ND(<1.0)	U	100.00%
Chlorobenzene	ND(<2)	U	ND(<1.0)	U	NA
Methylcyclohexane	ND(<10)	U	ND(<1.0)	U	NA
Ethylbenzene	ND(<2)	U	ND(<1.0)	U	NA
Vinyl Chloride	200		0.7		99.65%
Total Xylenes	ND(<2)	U	ND(<2.0)	U	NA
TOTAL:	**3466.7**		**60.5**		**98.25%**

Notes:

1. The efficiency cleanup values are calculated based on the January 2, 2019 results
2. "NA" = Not applicable
3. "U" = Compound analyzed, but was not detected. Detection limit in parentheses.
4. "DJ" or "J" indicates an estimated value below the practical quantitation limit but above the method detection limit.
5. Non-detect values are assumed to be equal to zero for calculation of monthly average concentrations.
6. "S" indicates an estimated value and suspected lab contamination.
7. "Bold" - exceeds the SPDES Equilavency Permit Requirements.

* Contaminants of Concern only

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

Analytical Data Package Work Order ID: SC57271
Sampled by IEG: January 02, 2020
Report Received: January 21, 2020

eurofins | Environment Testing New England

☑ Final Report
☐ Revised Report

Report Date:
21-Jan-20 11:35

Laboratory Report
SC57202

Ecology and Environment, Inc.
368 Pleasant View Drive
Lancaster, NY 14086
Attn: Jose Ramirez Hernandez

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.

New York # 11393
USDA # P330-15-00375

Authorized by:

Dawn Wojcik
Laboratory Director

Dawn E Wojcik

NELAP ACCREDITED LABORATORY

Eurofins Environment Testing New Englandl 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 30 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 Environment Testing New England.

Eurofins Environment Testing New England is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Eurofins Environment Testing New England is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.eurofinsus.com/Spectrum for a full listing of our current certifications and fields of accreditation.

Please contact the Laboratory or Technical Director at 413-789-9018 with any questions regarding the data contained in this laboratory report.

Sample Summary

Work Order: SC57202

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

Project Number: [none]

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SC57202-01	INFLUENT	Ground Water	02-Jan-20 13:00	06-Jan-20 10:35
SC57202-02	Effluent	Ground Water	02-Jan-20 13:00	06-Jan-20 10:35
SC57202-03	HCL TB	Ground Water	02-Jan-20 13:00	06-Jan-20 10:35

CASE NARRATIVE:

Data has been reported to the RDL. This report includes estimated concentrations detected below the RDL and above the MDL (J-Flag).

All non-detects and all results below the detection limit are reported as "<" (less than) the detection limit in this report.

The samples were received 6.0 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group. If method or program required MS/MSD/Dup were not performed, sufficient sample was not provided to the laboratory.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of holdtime.

SW-846 8260C, GC/MS Volatiles

Sample #s: 1233799
The referenced method allows a maximum of 20% of the analytes in the calibration to exceed the 20% Drift continuing calibration verification criteria. The reported concentration in the associated sample(s) is considered to be estimated. Therefore the result for the following analyte(s) in trial 1 is estimated:
The affected analyte(s) and response(s) are:

Analyte	Response(%Drift)
vinyl chloride	22

A reanalysis (trial 2) was performed outside of holding time to confirm the presence of ethanol. Ethanol is not detected in trial 2 and the result for 1,2-dibromo-3-chloropropane is suspected carryover.

A Report Limit Verification (RLV) standard is analyzed to confirm sensitivity of the instrument for samples with non-detect analytes associated with a continuing calibration verification standard exhibiting low response (outside the 20%D criteria). The RLV standard shows adequate sensitivity at or below the reporting limit.
The affected analyte(s) and response(s) in trial 2 are:

Analyte	Response (%Drift)
ethanol	-29

Sample #s: 1233798
The referenced method allows a maximum of 20% of the analytes in the calibration to exceed the 20% Drift continuing calibration verification criteria. The reported concentration in the associated sample(s) is considered to be estimated. Therefore the result for the following analyte(s) is estimated:
The affected analyte(s) and response(s) are:

Analyte	Response (%Drift)
vinyl chloride	22

Batch #: L200104AA (Sample number(s): 1233798-1233800)
The recovery(ies) for the following analyte(s) in the LCS and/or LCSD exceeded the acceptance window indicating a positive bias: Chloromethane

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW-846 8260C

Laboratory Control Samples:

LCSL69Q

Outside of specification

Chloromethane

SW-846 8260C

Laboratory Control Samples:

LCSL69Y

Outside of specification

Chloromethane

Samples:

SC57202-01 *INFLUENT*

Estimated value

Acetone
Toluene

Exceeded calibration range of the instrument

cis-1,2-Dichloroethene
Tetrachloroethene

SC57202-01RE01 *INFLUENT*

Estimated value

1,1-Dichloroethene
Methyl Tertiary Butyl Ether

SC57202-02 *Effluent*

Estimated value

Acetone
Methyl Tertiary Butyl Ether
p-Isopropyltoluene
Vinyl Chloride

SC57202-02RE1 *Effluent*

Estimated value

Acetone
Vinyl Chloride

Exceeded calibration range of the instrument

1,2-Dibromo-3-chloropropane

Summary of Hits

Lab ID: SC57202-01 **Client ID:** INFLUENT

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Calcium	151		0.200	mg/l	EPA 200.7
Total Hardness as CaCO3	481		0.20	mg/l	SM 2340 B
pH	7.76		1.00	pH Units	SM4500-H B-11
1,1-Dichloroethene	3		2	ug/l	SW-846 8260C
Acetone	3	J.	40	ug/l	SW-846 8260C
cis-1,2-Dichloroethene	1500	E.	2	ug/l	SW-846 8260C
Methyl Tertiary Butyl Ether	7		2	ug/l	SW-846 8260C
Tetrachloroethene	1500	E.	2	ug/l	SW-846 8260C
Toluene	0.7	J.	2	ug/l	SW-846 8260C
trans-1,2-Dichloroethene	13		2	ug/l	SW-846 8260C
Trichloroethene	240		2	ug/l	SW-846 8260C
Vinyl Chloride	200		2	ug/l	SW-846 8260C

Lab ID: SC57202-01RE01 **Client ID:** INFLUENT

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Magnesium	25.3		0.100	mg/l	EPA 200.7
1,1-Dichloroethene	6	J.	20	ug/l	SW-846 8260C
cis-1,2-Dichloroethene	1400		20	ug/l	SW-846 8260C
Methyl Tertiary Butyl Ether	8	J.	20	ug/l	SW-846 8260C
Tetrachloroethene	1600		20	ug/l	SW-846 8260C
trans-1,2-Dichloroethene	31		20	ug/l	SW-846 8260C
Trichloroethene	220		20	ug/l	SW-846 8260C
Vinyl Chloride	180		20	ug/l	SW-846 8260C

Lab ID: SC57202-02 **Client ID:** Effluent

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Calcium	158		0.200	mg/l	EPA 200.7
Magnesium	26.4		0.100	mg/l	EPA 200.7
Total Hardness as CaCO3	504		0.20	mg/l	SM 2340 B
pH	8.24		1.00	pH Units	SM4500-H B-11
Acetone	8	J.	20	ug/l	SW-846 8260C
cis-1,2-Dichloroethene	32		1	ug/l	SW-846 8260C
Ethanol	6600		750	ug/l	SW-846 8260C
Methyl Tertiary Butyl Ether	0.8	J.	1	ug/l	SW-846 8260C
p-Isopropyltoluene	0.4	J.	5	ug/l	SW-846 8260C
Tetrachloroethene	16		1	ug/l	SW-846 8260C
Trichloroethene	3		1	ug/l	SW-846 8260C
Vinyl Chloride	0.7	J.	1	ug/l	SW-846 8260C

Lab ID: SC57202-02RE1 **Client ID:** Effluent

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
1,2-Dibromo-3-chloropropane	470	E.	5	ug/l	SW-846 8260C
1,2-Dibromoethane	2		1	ug/l	SW-846 8260C
Acetone	2	J.	20	ug/l	SW-846 8260C
cis-1,2-Dichloroethene	37		1	ug/l	SW-846 8260C
Methyl Tertiary Butyl Ether	1		1	ug/l	SW-846 8260C
Tetrachloroethene	17		1	ug/l	SW-846 8260C
Trichloroethene	3		1	ug/l	SW-846 8260C
Vinyl Chloride	0.5	J.	1	ug/l	SW-846 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
INFLUENT SC57202-01	[none]	Ground Water	02-Jan-20 13:00	06-Jan-20

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Subcontracted Analyses													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
7440-70-2	Calcium	151		mg/l	0.200	0.0960	1	EPA 200.7	10-Jan-20 05:45	12-Jan-20 18:59	10670	00905716	
Re-analysis of Subcontracted Analyses													
7439-95-4	Magnesium	25.3		mg/l	0.100	0.0400	1	EPA 200.7	10-Jan-20 05:45	13-Jan-20 12:22	10670	00905716	
Prepared by method General Preparation													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
471-34-1	Total Hardness as CaCO3	481		mg/l	0.20	0.096	1	SM 2340 B	15-Jan-20 13:21	15-Jan-20 13:21	10670	01506256	
Subcontracted Analyses Prepared by method SW-846 5030C													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
630-20-6	1,1,1,2-Tetrachloroethane	< 2		ug/l	2	0.4	2	SW-846 8260C	11-Jan-20 05:30	11-Jan-20 05:31	10670	200104A/	
71-55-6	1,1,1-Trichloroethane	< 2		ug/l	2	0.6	2	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	< 2		ug/l	2	0.4	2	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	< 2		ug/l	2	0.4	2	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	< 2		ug/l	2	0.4	2	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	3		ug/l	2	0.4	2	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	< 10		ug/l	10	0.4	2	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	< 10		ug/l	10	0.8	2	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	< 10		ug/l	10	0.4	2	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 10		ug/l	10	0.6	2	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 10		ug/l	10	2	2	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	< 10		ug/l	10	0.6	2	"	"	"	"	"	
106-93-4	1,2-Dibromoethane	< 2		ug/l	2	0.4	2	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 10		ug/l	10	0.4	2	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 2		ug/l	2	0.6	2	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	< 2		ug/l	2	0.4	2	"	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	< 10		ug/l	10	0.4	2	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 10		ug/l	10	0.6	2	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 10		ug/l	10	0.4	2	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	< 2		ug/l	2	0.4	2	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 10		ug/l	10	0.4	2	"	"	"	"	"	
123-91-1	1,4-Dioxane	< 500		ug/l	500	58	2	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	< 2		ug/l	2	0.6	2	"	"	"	"	"	
78-93-3	2-Butanone	< 20		ug/l	20	0.6	2	"	"	"	"	"	
95-49-8	2-Chlorotoluene	< 10		ug/l	10	0.4	2	"	"	"	"	"	
591-78-6	2-Hexanone	< 20		ug/l	20	0.6	2	"	"	"	"	"	
106-43-4	4-Chlorotoluene	< 10		ug/l	10	0.4	2	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone	< 20		ug/l	20	1	2	"	"	"	"	"	
67-64-1	Acetone	3	J.	ug/l	40	1	2	"	"	"	"	"	
107-13-1	Acrylonitrile	< 40		ug/l	40	0.6	2	"	"	"	"	"	
71-43-2	Benzene	< 2		ug/l	2	0.4	2	"	"	"	"	"	
108-86-1	Bromobenzene	< 10		ug/l	10	0.4	2	"	"	"	"	"	
74-97-5	Bromochloromethane	< 10		ug/l	10	0.4	2	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
INFLUENT	[none]	Ground Water	02-Jan-20 13:00	06-Jan-20
SC57202-01				

Subcontracted Analyses

Subcontracted Analyses

Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
75-27-4	Bromodichloromethane	< 2		ug/l	2	0.4	2	SW-846 8260C	11-Jan-20 05:30	11-Jan-20 05:31	10670	200104A	
75-25-2	Bromoform	< 8		ug/l	8	2	2	"	"	"	"	"	
74-83-9	Bromomethane	< 2		ug/l	2	0.6	2	"	"	"	"	"	
75-15-0	Carbon Disulfide	< 10		ug/l	10	0.4	2	"	"	"	"	"	
56-23-5	Carbon Tetrachloride	< 2		ug/l	2	0.4	2	"	"	"	"	"	
108-90-7	Chlorobenzene	< 2		ug/l	2	0.4	2	"	"	"	"	"	
75-00-3	Chloroethane	< 2		ug/l	2	0.4	2	"	"	"	"	"	
67-66-3	Chloroform	< 2		ug/l	2	0.4	2	"	"	"	"	"	
74-87-3	Chloromethane	< 2		ug/l	2	0.4	2	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	**1,500**	E.	ug/l	2	0.4	2	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	< 2		ug/l	2	0.4	2	"	"	"	"	"	
108-20-3	di-Isopropyl ether	< 2		ug/l	2	0.4	2	"	"	"	"	"	
124-48-1	Dibromochloromethane	< 2		ug/l	2	0.4	2	"	"	"	"	"	
74-95-3	Dibromomethane	< 2		ug/l	2	0.4	2	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane	< 2		ug/l	2	0.4	2	"	"	"	"	"	
64-17-5	Ethanol	< 1500		ug/l	1500	560	2	"	"	"	"	"	
60-29-7	Ethyl ether	< 10		ug/l	10	0.4	2	"	"	"	"	"	
637-92-3	Ethyl t-butyl ether	< 2		ug/l	2	0.4	2	"	"	"	"	"	
100-41-4	Ethylbenzene	< 2		ug/l	2	0.8	2	"	"	"	"	"	
76-13-1	Freon 113	< 20		ug/l	20	0.4	2	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	< 10		ug/l	10	4	2	"	"	"	"	"	
98-82-8	Isopropylbenzene	< 10		ug/l	10	0.4	2	"	"	"	"	"	
179601-23-1	m+p-Xylene	< 10		ug/l	10	2	2	"	"	"	"	"	
1634-04-4	Methyl Tertiary Butyl Ether	**7**		ug/l	2	0.4	2	"	"	"	"	"	
75-09-2	Methylene Chloride	< 2		ug/l	2	0.6	2	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 10		ug/l	10	0.4	2	"	"	"	"	"	
103-65-1	n-Propylbenzene	< 10		ug/l	10	0.4	2	"	"	"	"	"	
91-20-3	Naphthalene	< 10		ug/l	10	2	2	"	"	"	"	"	
95-47-6	o-Xylene	< 2		ug/l	2	0.8	2	"	"	"	"	"	
99-87-6	p-Isopropyltoluene	< 10		ug/l	10	0.4	2	"	"	"	"	"	
135-98-8	sec-Butylbenzene	< 10		ug/l	10	0.4	2	"	"	"	"	"	
100-42-5	Styrene	< 10		ug/l	10	0.4	2	"	"	"	"	"	
994-05-8	t-Amyl methyl ether	< 10		ug/l	10	2	2	"	"	"	"	"	
75-65-0	t-Butyl alcohol	< 100		ug/l	100	24	2	"	"	"	"	"	
98-06-6	tert-Butylbenzene	< 10		ug/l	10	0.6	2	"	"	"	"	"	
127-18-4	Tetrachloroethene	**1,500**	E.	ug/l	2	0.4	2	"	"	"	"	"	
109-99-9	Tetrahydrofuran	< 20		ug/l	20	1	2	"	"	"	"	"	
108-88-3	Toluene	**0.7**	J.	ug/l	2	0.4	2	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	**13**		ug/l	2	0.4	2	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 2		ug/l	2	0.4	2	"	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-buten e	< 100		ug/l	100	12	2	"	"	"	"	"	
79-01-6	Trichloroethene	**240**		ug/l	2	0.4	2	"	"	"	"	"	
75-69-4	Trichlorofluoromethane	< 2		ug/l	2	0.4	2	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
INFLUENT	[none]	Ground Water	02-Jan-20 13:00	06-Jan-20
SC57202-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Subcontracted Analyses													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
75-01-4	Vinyl Chloride	**200**		ug/l	2	0.4	2	SW-846 8260C	11-Jan-20 05:30	11-Jan-20 05:31	10670	200104A	
Surrogate recoveries:													
17060-07-0	*1,2-Dichloroethane-d4*	*102*			*80-120 %*			"	"	"	"	"	
460-00-4	*4-Bromofluorobenzene*	*101*			*80-120 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*99*			*80-120 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99*			*80-120 %*			"	"	"	"	"	
Re-analysis of Subcontracted Analyses Prepared by method SW-846 5030C													
630-20-6	1,1,1,2-Tetrachloroethane	< 20		ug/l	20	4	20	SW-846 8260C	11-Jan-20 05:52	11-Jan-20 05:53	10670	200104A	
71-55-6	1,1,1-Trichloroethane	< 20		ug/l	20	6	20	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	< 20		ug/l	20	4	20	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	< 20		ug/l	20	4	20	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	< 20		ug/l	20	4	20	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	**6**	J.	ug/l	20	4	20	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	< 100		ug/l	100	4	20	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	< 100		ug/l	100	8	20	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	< 100		ug/l	100	4	20	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 100		ug/l	100	6	20	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 100		ug/l	100	20	20	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	< 100		ug/l	100	6	20	"	"	"	"	"	
106-93-4	1,2-Dibromoethane	< 20		ug/l	20	4	20	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 100		ug/l	100	4	20	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 20		ug/l	20	6	20	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	< 20		ug/l	20	4	20	"	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	< 100		ug/l	100	4	20	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 100		ug/l	100	6	20	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 100		ug/l	100	4	20	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	< 20		ug/l	20	4	20	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 100		ug/l	100	4	20	"	"	"	"	"	
123-91-1	1,4-Dioxane	< 5000		ug/l	5000	580	20	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	< 20		ug/l	20	6	20	"	"	"	"	"	
78-93-3	2-Butanone	< 200		ug/l	200	6	20	"	"	"	"	"	
95-49-8	2-Chlorotoluene	< 100		ug/l	100	4	20	"	"	"	"	"	
591-78-6	2-Hexanone	< 200		ug/l	200	6	20	"	"	"	"	"	
106-43-4	4-Chlorotoluene	< 100		ug/l	100	4	20	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone	< 200		ug/l	200	10	20	"	"	"	"	"	
67-64-1	Acetone	< 400		ug/l	400	14	20	"	"	"	"	"	
107-13-1	Acrylonitrile	< 400		ug/l	400	6	20	"	"	"	"	"	
71-43-2	Benzene	< 20		ug/l	20	4	20	"	"	"	"	"	
108-86-1	Bromobenzene	< 100		ug/l	100	4	20	"	"	"	"	"	
74-97-5	Bromochloromethane	< 100		ug/l	100	4	20	"	"	"	"	"	
75-27-4	Bromodichloromethane	< 20		ug/l	20	4	20	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
INFLUENT	[none]	Ground Water	02-Jan-20 13:00	06-Jan-20
SC57202-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
Re-analysis of Subcontracted Analyses													
75-25-2	Bromoform	< 80		ug/l	80	20	20	SW-846 8260C	11-Jan-20 05:52	11-Jan-20 05:53	10670	200104A	
74-83-9	Bromomethane	< 20		ug/l	20	6	20	"	"	"	"	"	
75-15-0	Carbon Disulfide	< 100		ug/l	100	4	20	"	"	"	"	"	
56-23-5	Carbon Tetrachloride	< 20		ug/l	20	4	20	"	"	"	"	"	
108-90-7	Chlorobenzene	< 20		ug/l	20	4	20	"	"	"	"	"	
75-00-3	Chloroethane	< 20		ug/l	20	4	20	"	"	"	"	"	
67-66-3	Chloroform	< 20		ug/l	20	4	20	"	"	"	"	"	
74-87-3	Chloromethane	< 20		ug/l	20	4	20	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	**1,400**		ug/l	20	4	20	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	< 20		ug/l	20	4	20	"	"	"	"	"	
108-20-3	di-Isopropyl ether	< 20		ug/l	20	4	20	"	"	"	"	"	
124-48-1	Dibromochloromethane	< 20		ug/l	20	4	20	"	"	"	"	"	
74-95-3	Dibromomethane	< 20		ug/l	20	4	20	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane	< 20		ug/l	20	4	20	"	"	"	"	"	
64-17-5	Ethanol	< 15000		ug/l	15000	5600	20	"	"	"	"	"	
60-29-7	Ethyl ether	< 100		ug/l	100	4	20	"	"	"	"	"	
637-92-3	Ethyl t-butyl ether	< 20		ug/l	20	4	20	"	"	"	"	"	
100-41-4	Ethylbenzene	< 20		ug/l	20	8	20	"	"	"	"	"	
76-13-1	Freon 113	< 200		ug/l	200	4	20	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	< 100		ug/l	100	40	20	"	"	"	"	"	
98-82-8	Isopropylbenzene	< 100		ug/l	100	4	20	"	"	"	"	"	
179601-23-1	m+p-Xylene	< 100		ug/l	100	20	20	"	"	"	"	"	
1634-04-4	Methyl Tertiary Butyl Ether	**8**	J.	ug/l	20	4	20	"	"	"	"	"	
75-09-2	Methylene Chloride	< 20		ug/l	20	6	20	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 100		ug/l	100	4	20	"	"	"	"	"	
103-65-1	n-Propylbenzene	< 100		ug/l	100	4	20	"	"	"	"	"	
91-20-3	Naphthalene	< 100		ug/l	100	20	20	"	"	"	"	"	
95-47-6	o-Xylene	< 20		ug/l	20	8	20	"	"	"	"	"	
99-87-6	p-Isopropyltoluene	< 100		ug/l	100	4	20	"	"	"	"	"	
135-98-8	sec-Butylbenzene	< 100		ug/l	100	4	20	"	"	"	"	"	
100-42-5	Styrene	< 100		ug/l	100	4	20	"	"	"	"	"	
994-05-8	t-Amyl methyl ether	< 100		ug/l	100	16	20	"	"	"	"	"	
75-65-0	t-Butyl alcohol	< 1000		ug/l	1000	240	20	"	"	"	"	"	
98-06-6	tert-Butylbenzene	< 100		ug/l	100	6	20	"	"	"	"	"	
127-18-4	Tetrachloroethene	**1,600**		ug/l	20	4	20	"	"	"	"	"	
109-99-9	Tetrahydrofuran	< 200		ug/l	200	14	20	"	"	"	"	"	
108-88-3	Toluene	< 20		ug/l	20	4	20	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	**31**		ug/l	20	4	20	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 20		ug/l	20	4	20	"	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-buten e	< 1000		ug/l	1000	120	20	"	"	"	"	"	
79-01-6	Trichloroethene	**220**		ug/l	20	4	20	"	"	"	"	"	
75-69-4	Trichlorofluoromethane	< 20		ug/l	20	4	20	"	"	"	"	"	
75-01-4	Vinyl Chloride	**180**		ug/l	20	4	20	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
INFLUENT SC57202-01	[none]	Ground Water	02-Jan-20 13:00	06-Jan-20

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Subcontracted Analyses													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
Re-analysis of Subcontracted Analyses													
Surrogate recoveries:													
17060-07-0	*1,2-Dichloroethane-d4*	*102*			*80-120 %*			SW-846 8260C	11-Jan-20 05:52	-Jan-20 05:5	10670	200104A/	
460-00-4	*4-Bromofluorobenzene*	*100*			*80-120 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*98*			*80-120 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*99*			*80-120 %*			"	"	"	"	"	
Subcontracted Analyses													
Prepared by method SM4500-H B-11													
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
	pH	**7.76**	pH	pH Units	1.00	1.00	1	SM4500-H B-11	07-Jan-20 00:37	07-Jan-20 00:37	11301	512956A	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Effluent SC57202-02	[none]	Ground Water	02-Jan-20 13:00	06-Jan-20

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Subcontracted Analyses													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
7440-70-2	Calcium	158		mg/l	0.200	0.0960	1	EPA 200.7	08-Jan-20 06:00	08-Jan-20 15:16	10670	00805716	
7439-95-4	Magnesium	26.4		mg/l	0.100	0.0400	1	"	"	"	"	"	
Prepared by method General Preparation													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
471-34-1	Total Hardness as CaCO3	504		mg/l	0.20	0.096	1	SM 2340 B	09-Jan-20 15:55	09-Jan-20 15:55	10670	00906256	
Subcontracted Analyses													
Prepared by method SW-846 5030C													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
630-20-6	1,1,1,2-Tetrachloroethane	< 1		ug/l	1	0.2	1	SW-846 8260C	11-Jan-20 04:46	11-Jan-20 04:47	10670	200104A/	
71-55-6	1,1,1-Trichloroethane	< 1		ug/l	1	0.3	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	< 5		ug/l	5	0.4	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	< 5		ug/l	5	0.2	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 5		ug/l	5	0.3	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 5		ug/l	5	1	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	< 5		ug/l	5	0.3	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 1		ug/l	1	0.3	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 5		ug/l	5	0.3	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
123-91-1	1,4-Dioxane	< 250		ug/l	250	29	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	< 1		ug/l	1	0.3	1	"	"	"	"	"	
78-93-3	2-Butanone	< 10		ug/l	10	0.3	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
591-78-6	2-Hexanone	< 10		ug/l	10	0.3	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone	< 10		ug/l	10	0.5	1	"	"	"	"	"	
67-64-1	Acetone	8	J.	ug/l	20	0.7	1	"	"	"	"	"	
107-13-1	Acrylonitrile	< 20		ug/l	20	0.3	1	"	"	"	"	"	
71-43-2	Benzene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
108-86-1	Bromobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
74-97-5	Bromochloromethane	< 5		ug/l	5	0.2	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Effluent SC57202-02	[none]	Ground Water	02-Jan-20 13:00	06-Jan-20

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Subcontracted Analyses													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
75-25-2	Bromoform	< 4		ug/l	4	1	1	SW-846 8260C	11-Jan-20 04:46	11-Jan-20 04:47	10670	200104A	
74-83-9	Bromomethane	< 1		ug/l	1	0.3	1	"	"	"	"	"	
75-15-0	Carbon Disulfide	< 5		ug/l	5	0.2	1	"	"	"	"	"	
56-23-5	Carbon Tetrachloride	< 1		ug/l	1	0.2	1	"	"	"	"	"	
108-90-7	Chlorobenzene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-00-3	Chloroethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
67-66-3	Chloroform	< 1		ug/l	1	0.2	1	"	"	"	"	"	
74-87-3	Chloromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	**32**		ug/l	1	0.2	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
108-20-3	di-Isopropyl ether	< 1		ug/l	1	0.2	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
74-95-3	Dibromomethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
64-17-5	Ethanol	**6,600**		ug/l	750	280	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 5		ug/l	5	0.2	1	"	"	"	"	"	
637-92-3	Ethyl t-butyl ether	< 1		ug/l	1	0.2	1	"	"	"	"	"	
100-41-4	Ethylbenzene	< 1		ug/l	1	0.4	1	"	"	"	"	"	
76-13-1	Freon 113	< 10		ug/l	10	0.2	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	< 5		ug/l	5	2	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
179601-23-1	m+p-Xylene	< 5		ug/l	5	1	1	"	"	"	"	"	
1634-04-4	Methyl Tertiary Butyl Ether	**0.8**	J.	ug/l	1	0.2	1	"	"	"	"	"	
75-09-2	Methylene Chloride	< 1		ug/l	1	0.3	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
91-20-3	Naphthalene	< 5		ug/l	5	1	1	"	"	"	"	"	
95-47-6	o-Xylene	< 1		ug/l	1	0.4	1	"	"	"	"	"	
99-87-6	p-Isopropyltoluene	**0.4**	J.	ug/l	5	0.2	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
100-42-5	Styrene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
994-05-8	t-Amyl methyl ether	< 5		ug/l	5	0.8	1	"	"	"	"	"	
75-65-0	t-Butyl alcohol	< 50		ug/l	50	12	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	< 5		ug/l	5	0.3	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	**16**		ug/l	1	0.2	1	"	"	"	"	"	
109-99-9	Tetrahydrofuran	< 10		ug/l	10	0.7	1	"	"	"	"	"	
108-88-3	Toluene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-buten e	< 50		ug/l	50	6	1	"	"	"	"	"	
79-01-6	Trichloroethene	**3**		ug/l	1	0.2	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-01-4	Vinyl Chloride	**0.7**	J.	ug/l	1	0.2	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Effluent SC57202-02	[none]	Ground Water	02-Jan-20 13:00	06-Jan-20

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Subcontracted Analyses													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
Surrogate recoveries:													
17060-07-0	*1,2-Dichloroethane-d4*	*103*			*80-120 %*			SW-846 8260C	11-Jan-20 04:46	-Jan-20 04:	10670	200104A/	
460-00-4	*4-Bromofluorobenzene*	*104*			*80-120 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*98*			*80-120 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*100*			*80-120 %*			"	"	"	"	"	
Re-analysis of Subcontracted Analyses Prepared by method SW-846 5030C													
630-20-6	1,1,1,2-Tetrachloroethane	< 1		ug/l	1	0.2	1	SW-846 8260C	17-Jan-20 12:59	17-Jan-20 13:00	10670	/200171A	
71-55-6	1,1,1-Trichloroethane	< 1		ug/l	1	0.3	1	"	"	"	"	"	
79-34-5	1,1,2,2-Tetrachloroethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
79-00-5	1,1,2-Trichloroethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
87-61-6	1,2,3-Trichlorobenzene	< 5		ug/l	5	0.4	1	"	"	"	"	"	
96-18-4	1,2,3-Trichloropropane	< 5		ug/l	5	0.2	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 5		ug/l	5	0.3	1	"	"	"	"	"	
95-63-6	1,2,4-Trimethylbenzene	< 5		ug/l	5	1	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	**470**	E.	ug/l	5	0.3	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane	**2**		ug/l	1	0.2	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 1		ug/l	1	0.3	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
108-70-3	1,3,5-Trichlorobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
108-67-8	1,3,5-Trimethylbenzene	< 5		ug/l	5	0.3	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
123-91-1	1,4-Dioxane	< 250		ug/l	250	29	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	< 1		ug/l	1	0.3	1	"	"	"	"	"	
78-93-3	2-Butanone	< 10		ug/l	10	0.3	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
591-78-6	2-Hexanone	< 10		ug/l	10	0.3	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone	< 10		ug/l	10	0.5	1	"	"	"	"	"	
67-64-1	Acetone	**2**	J.	ug/l	20	0.7	1	"	"	"	"	"	
107-13-1	Acrylonitrile	< 20		ug/l	20	0.3	1	"	"	"	"	"	
71-43-2	Benzene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
108-86-1	Bromobenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
74-97-5	Bromochloromethane	< 5		ug/l	5	0.2	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-25-2	Bromoform	< 4		ug/l	4	1	1	"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Effluent SC57202-02	[none]	Ground Water	02-Jan-20 13:00	06-Jan-20

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
Re-analysis of Subcontracted Analyses													
74-83-9	Bromomethane	< 1		ug/l	1	0.3	1	SW-846 8260C	17-Jan-20 12:59	17-Jan-20 13:00	10670	/200171A	
75-15-0	Carbon Disulfide	< 5		ug/l	5	0.2	1	"	"	"	"	"	
56-23-5	Carbon Tetrachloride	< 1		ug/l	1	0.2	1	"	"	"	"	"	
108-90-7	Chlorobenzene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-00-3	Chloroethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
67-66-3	Chloroform	< 1		ug/l	1	0.2	1	"	"	"	"	"	
74-87-3	Chloromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	**37**		ug/l	1	0.2	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
108-20-3	di-Isopropyl ether	< 1		ug/l	1	0.2	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
74-95-3	Dibromomethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
64-17-5	Ethanol	< 750		ug/l	750	280	1	"	"	"	"	"	
60-29-7	Ethyl ether	< 5		ug/l	5	0.2	1	"	"	"	"	"	
637-92-3	Ethyl t-butyl ether	< 1		ug/l	1	0.2	1	"	"	"	"	"	
100-41-4	Ethylbenzene	< 1		ug/l	1	0.4	1	"	"	"	"	"	
76-13-1	Freon 113	< 10		ug/l	10	0.2	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	< 5		ug/l	5	2	1	"	"	"	"	"	
98-82-8	Isopropylbenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
179601-23-1	m+p-Xylene	< 5		ug/l	5	1	1	"	"	"	"	"	
1634-04-4	Methyl Tertiary Butyl Ether	**1**		ug/l	1	0.2	1	"	"	"	"	"	
75-09-2	Methylene Chloride	< 1		ug/l	1	0.3	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
103-65-1	n-Propylbenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
91-20-3	Naphthalene	< 5		ug/l	5	1	1	"	"	"	"	"	
95-47-6	o-Xylene	< 1		ug/l	1	0.4	1	"	"	"	"	"	
99-87-6	p-Isopropyltoluene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
100-42-5	Styrene	< 5		ug/l	5	0.2	1	"	"	"	"	"	
994-05-8	t-Amyl methyl ether	< 5		ug/l	5	0.8	1	"	"	"	"	"	
75-65-0	t-Butyl alcohol	< 50		ug/l	50	12	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	< 5		ug/l	5	0.3	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	**17**		ug/l	1	0.2	1	"	"	"	"	"	
109-99-9	Tetrahydrofuran	< 10		ug/l	10	0.7	1	"	"	"	"	"	
108-88-3	Toluene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 1		ug/l	1	0.2	1	"	"	"	"	"	
110-57-6	trans-1,4-Dichloro-2-butene	< 50		ug/l	50	6	1	"	"	"	"	"	
79-01-6	Trichloroethene	**3**		ug/l	1	0.2	1	"	"	"	"	"	
75-69-4	Trichlorofluoromethane	< 1		ug/l	1	0.2	1	"	"	"	"	"	
75-01-4	Vinyl Chloride	**0.5**	J.	ug/l	1	0.2	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 SC57202-02	[none]	Ground Water	02-Jan-20 13:00	06-Jan-20

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Subcontracted Analyses													
Analysis performed by Eurofins Lancaster Laboratories Environmental - 10670													
Re-analysis of Subcontracted Analyses													
17060-07-0	*1,2-Dichloroethane-d4*	*105*			*80-120 %*			SW-846 8260C	17-Jan-20 12:59	-Jan-20 13:(	10670	/200171A	
460-00-4	*4-Bromofluorobenzene*	*93*			*80-120 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*107*			*80-120 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*91*			*80-120 %*			"	"	"	"	"	
Subcontracted Analyses													
Prepared by method SM4500-H B-11													
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
	pH	**8.24**	pH	pH Units	1.00	1.00	1	SM4500-H B-11	07-Jan-20 00:39	07-Jan-20 00:39	11301	512956A	

Notes and Definitions

*	Outside of specification
E.	Exceeded calibration range of the instrument
J.	Estimated value
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
pH	The method for pH does not stipulate a specific holding time other than to state that the samples should be analyzed as soon as possible. For aqueous samples the 40 CFR 136 specifies a holding time of 15 minutes from sampling to analysis. Therefore all aqueous pH samples not analyzed in the field are considered out of hold time at the time of sample receipt. All soil samples are analyzed as soon as possible after sample receipt.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

SC57202 By

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 30 days unless otherwise instructed.

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

Telephone #: (716) 684-8060
Project Mgr: Jose Hernandez

Invoice To: E&E, Inc

P.O No.: _____ Quote #: _____

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

F=Field Filtered 1=Na_2S2O_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=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: pH	Hardness	VOCs	Check if chlorinated	QA/QC Reporting Notes: * additional charges may appply
SC57202 01	INFLUENT	1/2/2020	1:00P	G	GW				1	✓			☐	
	INFLUENT			G	GW				1		✓		☐	Please send
	INFLUENT			G	GW	3						✓	☐	another Sample
02	EFFLUENT			G	GW				1	✓			☐	Kit.
	EFFLUENT			G	GW				1		✓		☐	(Do not send
	EFFLUENT			G	GW	3						✓	☐	smallest cooler)
03	HCL TB			G	W	2						✓	☐	
													☐	
													☐	
													☐	

List Preservative Code below: 1 | 4 | 2

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:

Relinquished by:	Received by:	Date:	Time:
Richard C Allen JF Fed Ex	Fed Ex		
		1/6/20	10 00

Temp °C: Observed 6.0; Correction Factor 0; Corrected 6.0; IR ID # 01

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

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

Attachment B
IEG Summary of Field Activities

December 2019

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

DATE: 2-Dec-19 *ACTIVITIES:* Site Inspection

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

WEATHER CONDITIONS: Cloudy, snow, cold *OUTSIDE TEMPERATURE (°F):* 30

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 on AUTO

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: √	OFF:	14	ft	PW-5	ON:	OFF: √	6	ft
PW-2	ON:	OFF: √	12	ft	PW-6	ON:	OFF: √	4	ft
PW-3	ON: √	OFF:	12	ft	PW-7	ON:	OFF: √	4	ft
PW-4	ON:	OFF: √	5	ft	PW-8	ON: √	OFF:	8	ft

EQUALIZATION TANK: 3 ft Last Alarm D/T/Condition: 11/1/2019 Air Stripper Low Pressure

NOTES:

INFLUENT FLOW RATE: 7 gpm INFLUENT TOTALIZER READING: 18649256 gallons

SEQUESTERING AGENT DRUM LEVEL: 11 inches *(x 1.7=)* *AMOUNT OF AGENT REMAINING:* 19 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:* 16 in. H_2O

AIR STRIPPER DIFFERENTIAL PRESSURE: broken in. H_2O *DISCHARGE PRESSURE:* 3.2 in. H_2O

AIR FLOW : 1550 fpm X 1.4 = 2170 CFM *AIR SPARGER* *LEFT* 7.1 *RIGHT* 3.2 CFM

AIR TEMP: 87.6 °F

EFFLUENT PUMP IN USE: #1 #2 √ *EFFLUENT FEED PUMP PRESSURE:* 4 psi

EFFLUENT FLOW RATE: 84 gpm *EFFLUENT TOTALIZER READING:* 85,764,329 427820 gallons

ARE BUILDING HEATERS IN USE? YES: √ NO: *INSIDE TEMPERATURE (°F):* 61

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

WATER LEVEL IN SUMP: 7.0 in. *TREATMENT BUILDING CLEAN & ORGANIZED?* YES: √ NO:

MR. C's DRY CLEANERS SITE

NYSDEC Site #90150157

SITE INSPECTION FORM

2-Dec-19

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

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
AIR STRIPPER INFLUENT:	INF	1:30 pm	7.5	8.7	12.0	3.38
AIR STRIPPER EFFLUENT:	EFF	1:30 pm	8.7	7.8	13.1	3.31

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

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

CONDENSATE 0.3 **gallon** **FLOW (cfm):** ____ ____

DRAINED Yes **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: 586 Building SVE System is OFF for freezing temperatures.

Influent Pipe has a slow drip at the fitting where it enters the EQ Tank.

Other Actions: Replaced the well sampling bailer strings.

AGWAY

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

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

DATE: 17-Dec-19 **ACTIVITIES:** Site Inspection

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

WEATHER CONDITIONS: Cloudy, snow flurries, cold **OUTSIDE TEMPERATURE (°F):** 30

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 on AUTO

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: √	OFF:	14	ft	PW-5	ON:	OFF: √	6	ft
PW-2	ON:	OFF: √	11	ft	PW-6	ON:	OFF: √	5	ft
PW-3	ON: √	OFF:	12	ft	PW-7	ON:	OFF: √	5	ft
PW-4	ON:	OFF: √	5	ft	PW-8	ON:	OFF: √	7	ft

EQUALIZATION TANK: 3 ft **Last Alarm D/T/Condition:** 11/1/2019 Air Stripper Low Pressure

NOTES:

INFLUENT FLOW RATE: 0 gpm **INFLUENT TOTALIZER READING:** 18738385 gallons

SEQUESTERING AGENT DRUM LEVEL: 2 inches (x 1.7=) **AMOUNT OF AGENT REMAINING:** 4 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:** 17 in. H_2O

AIR STRIPPER DIFFERENTIAL PRESSURE: broken in. H_2O **DISCHARGE PRESSURE:** 3.3 in. H_2O

AIR FLOW : 2500 fpm X 1.4 = 3500 CFM **AIR SPARGER** LEFT 7.0 RIGHT 3.2 CFM

AIR TEMP: 87 °F

EFFLUENT PUMP IN USE: #1 #2 √ **EFFLUENT FEED PUMP PRESSURE:** 4 psi

EFFLUENT FLOW RATE: 85 gpm **EFFLUENT TOTALIZER READING:** 85,824,440 | 487740 gallons

ARE BUILDING HEATERS IN USE? YES: √ NO: **INSIDE TEMPERATURE (°F):** 63

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

17-Dec-19

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. MWs and UEs are covered with snow.

SUBSLAB SYSTEMS

TREATMENT ROOM

MANOMETER: **1.3** **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: 586 Building SVE System is OFF for freezing temperatures.

Other Actions: Shoveled snow in front of Treatment Room.

Mixed new batch of Redux Solution. Have no more full strengh Redux.

Discovered leak in Redux line near Jesco Pump. Repaired leak.

AGWAY

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

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

DATE: 30-Dec-19 *ACTIVITIES:* Site Inspection

INSPECTION PERSONNEL: R. Allen *OTHER PERSONNEL:*

WEATHER CONDITIONS: Cloudy, drizzle, cool *OUTSIDE TEMPERATURE (°F):* 44

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 on AUTO

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

RW-1	ON: √	OFF:	14	ft	PW-5	ON:	OFF: √	6	ft
PW-2	ON:	OFF: √	12	ft	PW-6	ON:	OFF: √	5	ft
PW-3	ON: √	OFF:	13	ft	PW-7	ON:	OFF: √	4	ft
PW-4	ON:	OFF: √	7	ft	PW-8	ON:	OFF: √	5	ft

EQUALIZATION TANK: 3 ft Last Alarm D/T/Condition: 11/1/2019 Air Stripper Low Pressure

NOTES:

INFLUENT FLOW RATE: 10 gpm INFLUENT TOTALIZER READING: 18816181 gallons

SEQUESTERING AGENT DRUM LEVEL: 23 inches *(x 1.7=)* *AMOUNT OF AGENT REMAINING:* 39 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:* 3.2 in. H_2O

AIR FLOW : 1450 fpm X 1.4 = 2030 CFM *AIR SPARGER* *LEFT* 6.6 *RIGHT* 2.9 CFM

AIR TEMP: 84.3 °F

EFFLUENT PUMP IN USE: #1 #2 √ *EFFLUENT FEED PUMP PRESSURE:* 4 psi

EFFLUENT FLOW RATE: 86 gpm *EFFLUENT TOTALIZER READING:* 85,877,292 | 540680 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: 7.5 in. *TREATMENT BUILDING CLEAN & ORGANIZED?* YES: √ NO:

MR. C's DRY CLEANERS SITE

NYSDEC Site #90150157

SITE INSPECTION FORM

30-Dec-19

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

DRAINED **No** **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: Influent Pipe has a slow drip at the fitting where it enters the EQ Tank.

Other Actions: Shut OFF 586 Building SVE System for freezing temperatures.

AGWAY

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

Attachment C
Summary of Site Utility Costs and Projections
January to December 2019

Mr. C's Dry Cleaners Site - Remedial Treatment Utility Costs
NYSDEC Work Assignment #1703074.0011.11
12 Months of System Operation and Maintenance
December 2019 Report

ATTACHMENT C

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-2019	Feb-2019	Mar-2019	Apr-2019	May-2019	Jun-2019
New York State E&G	1001-0310-422	EN-003229-0001-03TTO	Mr. C's Electric Costs	$ 1,262.22	$ 1,406.49	$ 861.06	$ 1,950.53	$ 339.38	$ 868.03
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			$ 22.15			
			Totals	**$ 1,262.22**	**$ 1,406.49**	**$ 883.21**	**$ 1,950.53**	**$ 339.38**	**$ 868.03**

		Jul-2019	Aug-2019	Sep-2019	Oct-2019	Nov-2019	Dec-2019
	Mr. C's Electric Costs	$ 1,115.20	$ 1,111.56	$ 972.10	$ 919.10	$ 1,004.92	$ 1,235.50
	Mr. C's Natural Gas Costs			$ 21.84	$ 73.50	$ 80.80	$ 95.29
	Totals	**$ 1,115.20**	**$ 1,111.56**	**$ 993.94**	**$ 992.60**	**$ 1,085.72**	**$ 1,330.79**

Electric - Mr. C's	**$**	**13,046.09**	**Notes:**
Natural Gas - Mr. C's	**$**	**293.58**	Overbilled natural gas costs - no charges
Grand Total - NYSE&G/National Fuel Gas Costs To Date	**$**	**13,339.67**	**Estimated Reading**

Telephone

Utility Provider	Phone #	E&E Cost Center	Location Description	Jan-2019	Feb-2019	Mar-2019	Apr-2019	May-2019	Jun-2019
Granite Telecommunications				$ 41.62	$ 46.88	$ 43.80	$ 42.56	$ 42.56	$ 42.56
Account # 01890582	866-874-5500	EN-003229-0001-03TTO	Mr. C's Telephone Costs	**Jul-2019**	**Aug-2019**	**Sep-2019**	**Oct-2019**	**Nov-2019**	**Dec-2019**
				$ 42.56	$ 43.28	$ 47.50	$ 47.60	$ 47.60	$ 47.12

Verizon Costs to Date - Mr. C's **$ 535.64**

Grand Total All Utilities To Date $ 13,875.31

Monthly Average Costs

Mr. C's Electric	$	1,087.17
Mr. C's Gas	$	58.72
Mr. C's Telephone	$	44.64
Average Utility Cost Total	**$**	**1,190.53**
12 Month Estimate	**$**	**14,286.32**

Budget Remaining:	Electric:	$12,253.91
	Telephone:	$4.36
	Gas	$826.42
	Total:	$13,084.69