



ecology and environment engineering and geology, p.c.

Environmental Specialists

BUFFALO CORPORATE CENTER

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January 21, 2019

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 2018 Operations, Maintenance, and Monitoring Report

Dear Mr. Long:

Ecology and Environment Engineering and Geology, P.C. (E&E) is pleased to provide the December 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 December 2018 reporting period, the treatment system was in operation from November 28, 2018 to January 2, 2019. The December monthly OM&M sampling was performed on January 2, 2019, and the results were received from SAI on January 10, 2019 (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 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. 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 December 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 November 28, 2018 through January 2, 2019, had an approximate operational up-time of 100%, and 163,544 gallons of contaminated groundwater was 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, 2019 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 January 2, 2019 are provided in Table 2.

- The analytical summary results of the January 2, 2019 samples revealed the total volatile organic contaminant concentrations of the influent to be 5,529.90 $\mu\text{g/L}$ and the concentration of total volatile organic contaminants in the effluent was 4.50 $\mu\text{g/L}$. The summary of influent and effluent contaminant concentrations for the December 2018 sampling are presented in [Table 3](#). 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 7.54 lbs. of targeted contaminants from the groundwater between November 28, 2018 to January 2, 2019. The cleanup effectiveness for December 2018 was approximately 99.92%. The calculations and data for the month are presented in [Table 3](#). The mass of VOCs removed each month throughout 2017 and 2018 is shown in [Figure 2](#).

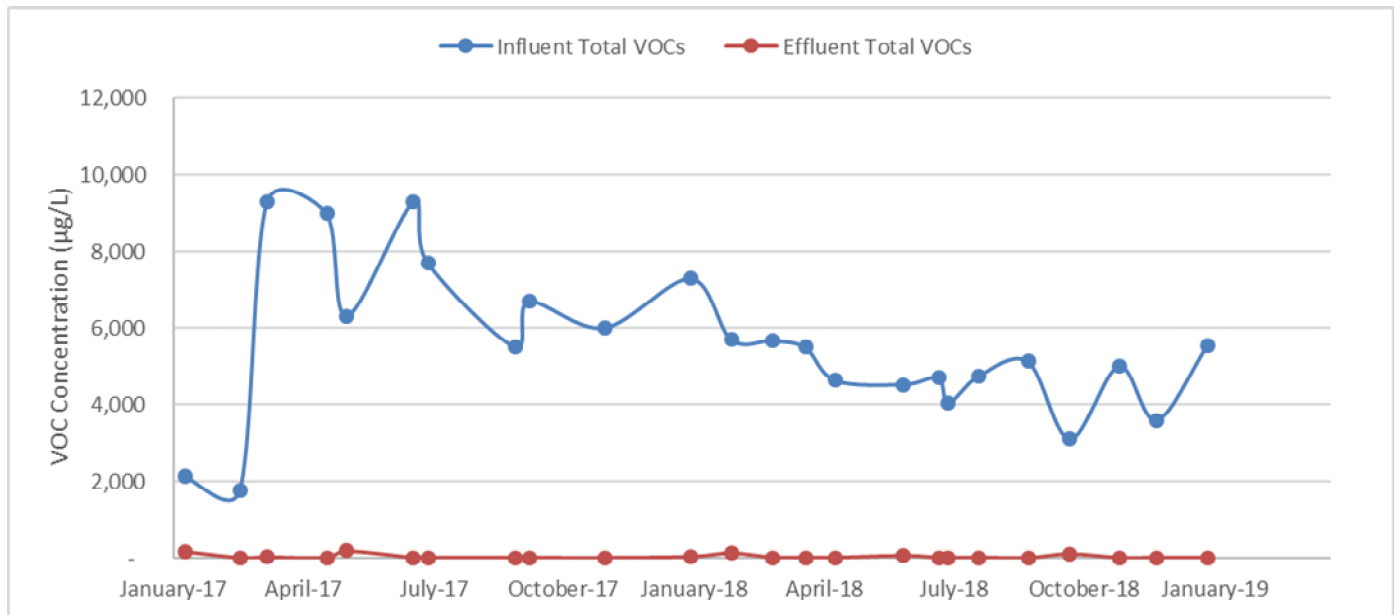


Figure 1: Monthly Influent and Effluent VOC concentrations - 2017 and 2018.

Mr. Payson Long, Project Manager

January 21, 2019

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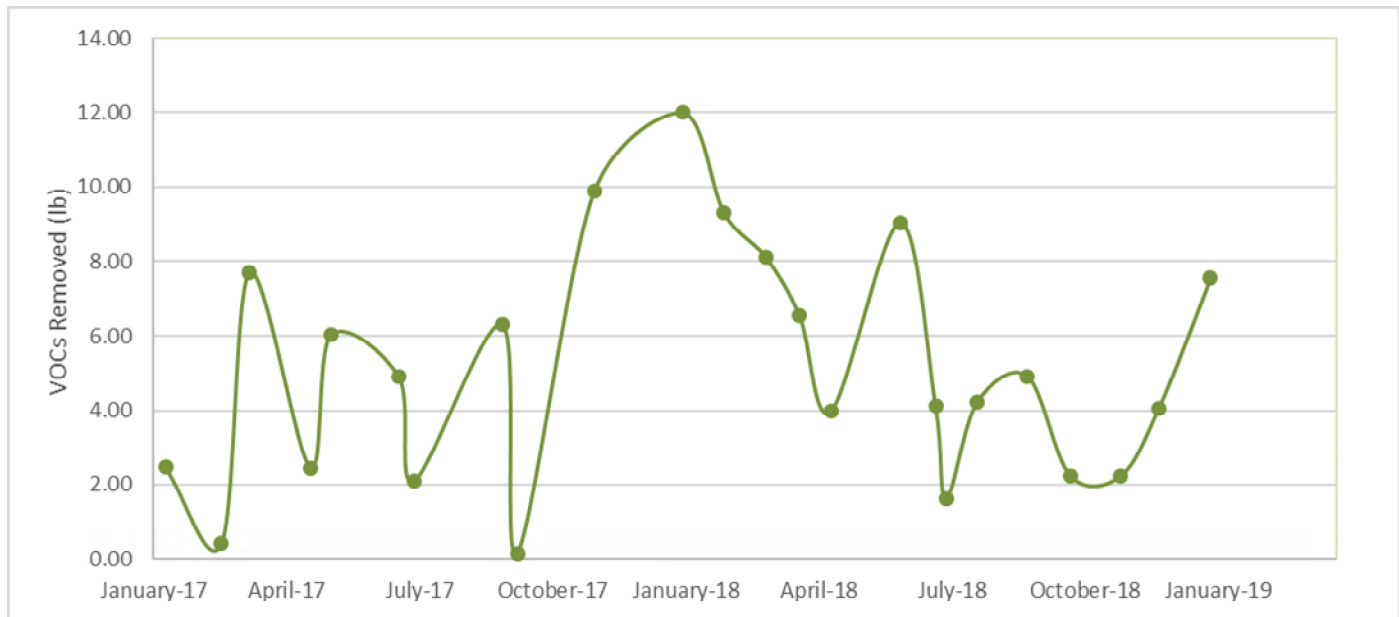


Figure 2: Mass of VOCs removed each month - 2017 and 2018.

If you have questions regarding the December 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: SC52919

Sampled by IEG: January 2, 2019

Report Received: January 10, 2019

Report Date:
10-Jan-19 15:54**Laboratory Report**
SC52919Ecology and Environment, Inc.
368 Pleasant View Drive
Lancaster, NY 14086
Attn: Mary Kate MooneyProject: 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 is 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: SC52919
Project: Mr. C's - East Aurora, NY
Project Number: [none]

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SC52919-01	Influent	Ground Water	02-Jan-19 13:00	03-Jan-19 10:17
SC52919-02	Effluent	Ground Water	02-Jan-19 13:00	03-Jan-19 10:17
SC52919-03	HCl TB	Trip Blank	02-Jan-19 13:00	03-Jan-19 10:17

Summary of Hits

Lab ID: SC52919-01

Client ID: Influent

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Hardness (CaCO ₃)	509		0.1	mg/L	E200.7
Methyl t-butyl ether (MTBE)	9.9	J.	20	ug/L	SW8260C
trans-1,2-Dichloroethene	10	J.	20	ug/L	SW8260C
Trichloroethene	300		20	ug/L	SW8260C
Vinyl chloride	210		20	ug/L	SW8260C

Lab ID: SC52919-01RE1

Client ID: Influent

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
cis-1,2-Dichloroethene	2700		200	ug/L	SW8260C
Tetrachloroethene	2300		200	ug/L	SW8260C

Lab ID: SC52919-02

Client ID: Effluent

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Hardness (CaCO ₃)	512		0.1	mg/L	E200.7
Acetone	4.5	S	2.5	ug/L	SW8260C

Lab ID: SC52919-03

Client ID: HCl TB

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Bromomethane	0.29	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**Influent**

SC52919-01

Client Project #

[none]

Matrix

Ground Water

Collection Date/Time

02-Jan-19 13:00

Received

03-Jan-19

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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General Chemistry Parameters

pH	7.08	pH	pH Units				1	ASTM D 1293-99B	03-Jan-19 12:00	03-Jan-19 18:37	BD	1900017	
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Subcontracted Analyses*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*

Hardness (CaCO3)	509		mg/L	0.1			1	E200.7	02-Jan-19 13:00	04-Jan-19 13:17	11301	'[none]'	
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Subcontracted AnalysesPrepared by method SW8260C*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*

71-55-6	1,1,1-Trichloroethane	< 20		ug/L	20	5.0	20	SW8260C	"	04-Jan-19 14:31	11301	462312A	
79-34-5	1,1,2,2-Tetrachloroethane	< 20		ug/L	20	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	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 20		ug/L	20	5.0	20	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloroprop ane	< 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	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 20		ug/L	20	5.0	20	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 20		ug/L	20	5.0	20	"	"	"	"	"	
591-78-6	2-Hexanone	< 50		ug/L	50	50	20	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone	< 50		ug/L	50	50	20	"	"	"	"	"	
67-64-1	Acetone	< 50		ug/L	50	50	20	"	"	"	"	"	
71-43-2	Benzene	< 14		ug/L	14	5.0	20	"	"	"	"	"	
75-27-4	Bromodichloromethane	< 20		ug/L	20	5.0	20	"	"	"	"	"	
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	< 20		ug/L	20	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	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	< 8.0		ug/L	8.0	5.0	20	"	"	"	"	"	
110-82-7	Cyclohexane	< 20		ug/L	20	10	20	"	"	"	"	"	
124-48-1	Dibromochloromethane	< 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	"	"	"	"	"	
98-82-8	Isopropylbenzene	< 20		ug/L	20	5.0	20	"	"	"	"	"	
78-93-3	Methyl ethyl ketone	< 50		ug/L	50	50	20	"	"	"	"	"	
1634-04-4	Methyl t-butyl ether (MTBE)	9.9	J.	ug/L	20	5.0	20	"	"	"	"	"	
79-20-9	Methylacetate	< 100		ug/L	100	50	20	"	"	"	"	"	
108-87-2	Methylcyclohexane	< 20		ug/L	20	10	20	"	"	"	"	"	

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Sample Identification**Influent**

SC52919-01

Client Project #

[none]

Matrix

Ground Water

Collection Date/Time

02-Jan-19 13:00

Received

03-Jan-19

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Subcontracted AnalysesSubcontracted Analyses*Analysis performed by Phoenix Environmental Labs, Inc. *- CT007*

75-09-2	Methylene chloride	< 60		ug/L	60	20	20	SW8260C	02-Jan-19 13:00	04-Jan-19 14:31	11301	462312A	
100-42-5	Styrene	< 20		ug/L	20	5.0	20	"	"	"	"	"	
108-88-3	Toluene	< 20		ug/L	20	5.0	20	"	"	"	"	"	
1330-20-7	Total Xylenes	< 20		ug/L	20	20	20	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	10	J.	ug/L	20	5.0	20	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 8.0		ug/L	8.0	5.0	20	"	"	"	"	"	
79-01-6	Trichloroethene	300		ug/L	20	5.0	20	"	"	"	"	"	
76-13-1	Trichlorotrifluoroethane	< 20		ug/L	20	5.0	20	"	"	"	"	"	
75-01-4	Vinyl chloride	210		ug/L	20	5.0	20	"	"	"	"	"	

Surrogate recoveries:

2199-69-1	% 1,2-dichlorobenzene-d4	101			70-130 %			"	"	"	"	"	
460-00-4	% Bromofluorobenzene	96			70-130 %			"	"	"	"	"	
1868-53-7	% Dibromofluoromethane	101			70-130 %			"	"	"	"	"	
2037-26-5	% Toluene-d8	99			70-130 %			"	"	"	"	"	

Re-analysis of Subcontracted AnalysesPrepared by method SW8260C

156-59-2	cis-1,2-Dichloroethene	2,700		ug/L	200	50	200	SW8260C	02-Jan-19 13:00	04-Jan-19 14:07	11301	462312A	
127-18-4	Tetrachloroethene	2,300		ug/L	200	50	200	"	"	"	"	"	

Surrogate recoveries:

2199-69-1	% 1,2-dichlorobenzene-d4	101			70-130 %			"	"	"	"	"	
460-00-4	% Bromofluorobenzene	97			70-130 %			"	"	"	"	"	
1868-53-7	% Dibromofluoromethane	105			70-130 %			"	"	"	"	"	
2037-26-5	% Toluene-d8	98			70-130 %			"	"	"	"	"	

Sample Identification**Effluent**

SC52919-02

Client Project #

[none]

Matrix

Ground Water

Collection Date/Time

02-Jan-19 13:00

Received

03-Jan-19

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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General Chemistry Parameters

pH	8.26	pH	pH Units				1	ASTM D 1293-99B	03-Jan-19 12:00	03-Jan-19 18:37	BD	1900017	
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Subcontracted Analyses*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*

Hardness (CaCO3)	512		mg/L	0.1			1	E200.7	02-Jan-19 13:00	04-Jan-19 13:17	11301	'[none]'	
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Subcontracted AnalysesPrepared by method SW8260C*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*

71-55-6	1,1,1-Trichloroethane	< 1.0		ug/L	1.0	0.25	1	SW8260C	"	03-Jan-19 19:44	11301	462106A	
79-34-5	1,1,2,2-Tetrachloroethane	< 1.0		ug/L	1.0	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	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloroprop ane	< 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	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
591-78-6	2-Hexanone	< 2.5		ug/L	2.5	2.5	1	"	"	"	"	"	
108-10-1	4-Methyl-2-pentanone	< 2.5		ug/L	2.5	2.5	1	"	"	"	"	"	
67-64-1	Acetone	4.5	S	ug/L	2.5	2.5	1	"	"	"	"	"	
71-43-2	Benzene	< 0.70		ug/L	0.70	0.25	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
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	< 1.0		ug/L	1.0	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	0.50	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	< 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	"	"	"	"	"	
98-82-8	Isopropylbenzene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
78-93-3	Methyl ethyl ketone	< 2.5		ug/L	2.5	2.5	1	"	"	"	"	"	
1634-04-4	Methyl t-butyl ether (MTBE)	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
79-20-9	Methylacetate	< 5.0		ug/L	5.0	2.5	1	"	"	"	"	"	

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Sample Identification**Effluent**

SC52919-02

Client Project #

[none]

Matrix

Ground Water

Collection Date/Time

02-Jan-19 13:00

Received

03-Jan-19

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Subcontracted AnalysesSubcontracted Analyses*Analysis performed by Phoenix Environmental Labs, Inc. *- CT007*

108-87-2	Methylcyclohexane	< 1.0		ug/L	1.0	0.50	1	SW8260C	02-Jan-19 13:00	03-Jan-19 19:44	11301	462106A	
75-09-2	Methylene chloride	< 3.0		ug/L	3.0	1.0	1	"	"	"	"	"	
100-42-5	Styrene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
127-18-4	Tetrachloroethene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
108-88-3	Toluene	< 1.0		ug/L	1.0	0.25	1	"	"	"	"	"	
1330-20-7	Total Xylenes	< 1.0		ug/L	1.0	1.0	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	"	"	"	"	"	
79-01-6	Trichloroethene	< 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:

2199-69-1	% 1,2-dichlorobenzene-d4	109			70-130 %			"	"	"	"	"	
460-00-4	% Bromofluorobenzene	88			70-130 %			"	"	"	"	"	
1868-53-7	% Dibromofluoromethane	109			70-130 %			"	"	"	"	"	
2037-26-5	% Toluene-d8	91			70-130 %			"	"	"	"	"	



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: ES&E, Inc368 Pleasantview Dr
Lancaster, NY 14086Invoice To: ES&E, Inc

Project No: _____

MRCS OM&M

Site Name: _____

East AuroraState: NYTelephone #: (716) 684-8060

P.O. No.: _____

Quote #: _____

Location: _____

R. AllenF=Field Filtered 1=Na₂S₂O₃ 2=HCl 3=H₂SO₄ 4=HNO₃ 5=NaOH 6=Ascorbic Acid
7=CH₃OH 8=NaHSO₄ 9=Deionized Water 10=H₂PO₄ 11= _____ 12= _____

List Preservative Code below:

1 4 2

QA/QC Reporting Notes:

* additional charges may apply

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

Type Matrix

of VOA Vials
of Amber Glass
of Clear Glass
of Plastic

Containers

Analysis

Check if chlorinated

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: _____

Lab ID:	Sample ID:	Date:	Time:	Type	Mat	# of V	# of A	# of C	# of F		H																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													</
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Attachment B
IEG Summary of Field Activities
December 2018

12/05/2018

12/10/2018

12/24/2018

12/31/2018

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

DATE: <u>5-Dec-18</u>		ACTIVITIES: <u>Site Inspection</u>			
INSPECTION PERSONNEL: <u>R. Allen</u>		OTHER PERSONNEL: <u>-----</u>			
WEATHER CONDITIONS: <u>Cloudy, cold</u>		OUTSIDE TEMPERATURE (° F): <u>30</u>			
ARE WELL PUMPS OPERATING IN AUTO: YES: _____ NO: <u>✓</u> If "NO", provide explanation below <u>RW-1, PW-2 and PW-3 are manually set to OFF position; PW-4 through PW-8 are in AUTO</u>					
PROVIDE WATER LEVEL READINGS ON CONTROL PANEL					
RW-1	ON: <u>✓</u>	OFF: <u>14</u> ft	PW-5 ON: _____ OFF: <u>✓</u> <u>7</u> ft		
PW-2	ON: _____	OFF: <u>✓</u> <u>11</u> ft	PW-6 ON: _____ OFF: <u>✓</u> <u>5</u> ft		
PW-3	ON: <u>✓</u>	OFF: _____ <u>12</u> ft	PW-7 ON: _____ OFF: <u>✓</u> <u>7</u> ft		
PW-4	ON: _____	OFF: <u>✓</u> <u>4</u> ft	PW-8 ON: _____ OFF: <u>✓</u> <u>4</u> ft		
EQUALIZATION TANK: <u>4</u> ft		Last Alarm D/T/Condition: <u>9/21/2018 Air Stripper Low Pressure</u>			
NOTES: _____					
INFLUENT FLOW RATE: <u>20</u> gpm		INFLUENT TOTALIZER READING: <u>16761701</u> gallons			
SEQUESTERING AGENT DRUM LEVEL: <u>16</u> inches		(x 1.7=) AMOUNT OF AGENT REMAINING: <u>27</u> gallons			
SEQUESTERING AGENT FEED RATE: <u>-----</u> ml/min		METERING PUMP PRESSURE: <u>-----</u> psi			
BAG FILTER PRESSURES:		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;"> <div style="display: flex; justify-content: space-around;"> TopBottom </div> <div style="display: flex; justify-content: space-between;"> LEFT: <u>0</u><u>0</u> psi </div> </td> <td style="width: 50%; text-align: center;"> <div style="display: flex; justify-content: space-around;"> TopBottom </div> <div style="display: flex; justify-content: space-between;"> RIGHT: <u>8</u><u>0</u> psi </div> </td> </tr> </table>		<div style="display: flex; justify-content: space-around;"> TopBottom </div> <div style="display: flex; justify-content: space-between;"> LEFT: <u>0</u><u>0</u> psi </div>	<div style="display: flex; justify-content: space-around;"> TopBottom </div> <div style="display: flex; justify-content: space-between;"> RIGHT: <u>8</u><u>0</u> psi </div>
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INFLUENT FEED PUMP IN USE: #1 <u>✓</u> #2 _____		INFLUENT PUMP PRESSURE: <u>7</u> psi			
AIR STRIPPER BLOWER IN USE: #1 <u>✓</u> #2 _____		AIR STRIPPER PRESSURE: <u>21</u> in. H ₂ O			
AIR STRIPPER DIFFERENTIAL PRESSURE: <u>broken</u> in. H ₂ O		DISCHARGE PRESSURE: <u>9.8</u> in. H ₂ O			
AIR FLOW: <u>1550</u> fpm X 1.4 = <u>2170</u> CFM		AIR SPARGER LEFT <u>6.3</u> RIGHT <u>2.8</u> CFM			
AIR TEMP: <u>87.7</u> °F					
EFFLUENT PUMP IN USE: #1 <u>✓</u> #2 _____		EFFLUENT FEED PUMP PRESSURE: <u>4</u> psi			
EFFLUENT FLOW RATE: <u>86</u> gpm		EFFLUENT TOTALIZER READING: <u>84,493,856</u> 157350 gallons			
ARE BUILDING HEATERS IN USE? YES: <u>✓</u> NO: _____		INSIDE TEMPERATURE (° F): <u>65</u>			
IS SUMP PUMP IN USE: YES: <u>✓</u> NO: _____		ARE ANY LEAKS PRESENT? YES: _____ NO: <u>✓</u>			
WATER LEVEL IN SUMP: <u>6.0</u> in.		TREATMENT BUILDING CLEAN & ORGANIZED? YES: <u>✓</u> NO: _____			

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

5-Dec-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				NOTES:
	west	east		
MANOMETER: <u>1.4</u> in. WC				cfm = 0.05 x fpm (3" PVC)
(Fan Inlet)	FLOW (fpm): _____	_____	_____	
CONDENSATE <u>2.0</u> 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: Turned ON electric heater near sump box.

Changed Bag Filters.

Shoveled snow in front of Treatment Room.

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: <u>10-Dec-18</u>		ACTIVITIES: <u>Site Inspection</u>									
INSPECTION PERSONNEL: <u>R. Allen</u>		OTHER PERSONNEL: <u>-----</u>									
WEATHER CONDITIONS: <u>Cloudy, cold</u>		OUTSIDE TEMPERATURE (° F): <u>30</u>									
ARE WELL PUMPS OPERATING IN AUTO: YES: _____ NO: <u>✓</u> If "NO", provide explanation below <u>RW-1, PW-2 and PW-3 are manually set to OFF position; PW-4 through PW-8 are in AUTO</u>											
PROVIDE WATER LEVEL READINGS ON CONTROL PANEL											
RW-1	ON: <u>✓</u>	OFF: _____	<u>14</u> ft								
PW-2	ON: _____	OFF: <u>✓</u>	<u>10</u> ft								
PW-3	ON: <u>✓</u>	OFF: _____	<u>12</u> ft								
PW-4	ON: <u>✓</u>	OFF: _____	<u>6</u> ft								
PW-5	ON: _____	OFF: <u>✓</u>	<u>3</u> ft								
PW-6	ON: _____	OFF: <u>✓</u>	<u>5</u> ft								
PW-7	ON: _____	OFF: <u>✓</u>	<u>7</u> ft								
PW-8	ON: <u>✓</u>	OFF: _____	<u>6</u> ft								
EQUALIZATION TANK: <u>3</u> ft		Last Alarm D/T/Condition: <u>9/21/2018 Air Stripper Low Pressure</u>									
NOTES: _____											
INFLUENT FLOW RATE: <u>21</u> gpm		INFLUENT TOTALIZER READING: <u>16794276</u> gallons									
SEQUESTERING AGENT DRUM LEVEL: <u>12</u> inches		(x 1.7=) AMOUNT OF AGENT REMAINING: <u>21</u> gallons									
SEQUESTERING AGENT FEED RATE: <u>-----</u> ml/min		METERING PUMP PRESSURE: <u>-----</u> psi									
BAG FILTER PRESSURES:											
	LEFT: <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>Top</td><td>Bottom</td></tr><tr><td><u>0</u></td><td><u>0</u></td></tr></table> psi	Top	Bottom	<u>0</u>	<u>0</u>	RIGHT: <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>Top</td><td>Bottom</td></tr><tr><td><u>6</u></td><td><u>0</u></td></tr></table> psi	Top	Bottom	<u>6</u>	<u>0</u>	
Top	Bottom										
<u>0</u>	<u>0</u>										
Top	Bottom										
<u>6</u>	<u>0</u>										
INFLUENT FEED PUMP IN USE: #1 <u>✓</u> #2 _____		INFLUENT PUMP PRESSURE: <u>7</u> psi									
AIR STRIPPER BLOWER IN USE: #1 <u>✓</u> #2 _____		AIR STRIPPER PRESSURE: <u>22</u> in. H ₂ O									
AIR STRIPPER DIFFERENTIAL PRESSURE: <u>broken</u> in. H ₂ O		DISCHARGE PRESSURE: <u>9.7</u> in. H ₂ O									
AIR FLOW: <u>1400</u> fpm X 1.4 = <u>1960</u> CFM		AIR SPARGER LEFT <u>6.0</u> RIGHT <u>2.6</u> CFM									
AIR TEMP: <u>86.3</u> °F											
EFFLUENT PUMP IN USE: #1 <u>✓</u> #2 _____		EFFLUENT FEED PUMP PRESSURE: <u>4</u> psi									
EFFLUENT FLOW RATE: <u>88</u> gpm		EFFLUENT TOTALIZER READING: <u>84,516,349</u> 179840 gallons									
ARE BUILDING HEATERS IN USE? YES: <u>✓</u> NO: _____		INSIDE TEMPERATURE (° F): <u>64</u>									
IS SUMP PUMP IN USE: YES: <u>✓</u> NO: _____		ARE ANY LEAKS PRESENT? YES: _____ NO: <u>✓</u>									
WATER LEVEL IN SUMP: <u>7.0</u> in.		TREATMENT BUILDING CLEAN & ORGANIZED? YES: <u>✓</u> NO: _____									

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

10-Dec-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. Most of the MWs and UEs are covered with ice or snow.

SUBSLAB SYSTEMS

		TREATMENT ROOM		NOTES: cfm = 0.05 x fpm (3" PVC)
		west	east	
MANOMETER:	<u>1.4</u> in. WC			
(Fan Inlet)		FLOW (fpm):	1100 400	
CONDENSATE	<u>1.5</u> gallon	FLOW (cfm):	55 20	
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: Turned on Oil Electric Heater near Jesco Pump.

Property Optics installed landscape lighting on 586 Building. One of the lights is above the overhead door of the Treatment Room.

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: <u>24-Dec-18</u>		ACTIVITIES: <u>Site Inspection</u>															
INSPECTION PERSONNEL: <u>R. Allen</u>		OTHER PERSONNEL: <u>-----</u>															
WEATHER CONDITIONS: <u>Cloudy, snow, cool</u>		OUTSIDE TEMPERATURE (° F): <u>33</u>															
ARE WELL PUMPS OPERATING IN AUTO: YES: _____ NO: <u>✓</u> If "NO", provide explanation below <u>RW-1, PW-2 and PW-3 are manually set to OFF position; PW-4 through PW-8 are in AUTO</u>																	
PROVIDE WATER LEVEL READINGS ON CONTROL PANEL																	
RW-1	ON: <u>✓</u>	OFF: <u>14</u> ft	PW-5 ON: _____ OFF: <u>✓</u> <u>7</u> ft														
PW-2	ON: _____	OFF: <u>✓</u> <u>10</u> ft	PW-6 ON: _____ OFF: <u>✓</u> <u>6</u> ft														
PW-3	ON: <u>✓</u>	OFF: _____ <u>12</u> ft	PW-7 ON: _____ OFF: <u>✓</u> <u>4</u> ft														
PW-4	ON: _____	OFF: <u>✓</u> <u>6</u> ft	PW-8 ON: _____ OFF: <u>✓</u> <u>4</u> ft														
EQUALIZATION TANK: <u>4</u> ft		Last Alarm D/T/Condition: <u>9/21/2018 Air Stripper Low Pressure</u>															
NOTES: _____																	
INFLUENT FLOW RATE: <u>10</u> gpm		INFLUENT TOTALIZER READING: <u>16882288</u> gallons															
SEQUESTERING AGENT DRUM LEVEL: <u>29</u> inches		(x 1.7=) AMOUNT OF AGENT REMAINING: <u>49</u> gallons															
SEQUESTERING AGENT FEED RATE: <u>-----</u> ml/min		METERING PUMP PRESSURE: <u>-----</u> psi															
BAG FILTER PRESSURES:		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">LEFT: <u>0</u></td> <td style="width: 50%; text-align: center;">RIGHT: <u>8</u></td> </tr> <tr> <td style="text-align: center;">Top</td> <td style="text-align: center;">Top</td> </tr> <tr> <td style="text-align: center;">Bottom</td> <td style="text-align: center;">Bottom</td> </tr> </table> </td> <td style="width: 50%; text-align: center;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">LEFT: <u>0</u></td> <td style="width: 50%; text-align: center;">RIGHT: <u>0</u></td> </tr> <tr> <td style="text-align: center;">Top</td> <td style="text-align: center;">Top</td> </tr> <tr> <td style="text-align: center;">Bottom</td> <td style="text-align: center;">Bottom</td> </tr> </table> </td> </tr> </table>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">LEFT: <u>0</u></td> <td style="width: 50%; text-align: center;">RIGHT: <u>8</u></td> </tr> <tr> <td style="text-align: center;">Top</td> <td style="text-align: center;">Top</td> </tr> <tr> <td style="text-align: center;">Bottom</td> <td style="text-align: center;">Bottom</td> </tr> </table>	LEFT: <u>0</u>	RIGHT: <u>8</u>	Top	Top	Bottom	Bottom	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">LEFT: <u>0</u></td> <td style="width: 50%; text-align: center;">RIGHT: <u>0</u></td> </tr> <tr> <td style="text-align: center;">Top</td> <td style="text-align: center;">Top</td> </tr> <tr> <td style="text-align: center;">Bottom</td> <td style="text-align: center;">Bottom</td> </tr> </table>	LEFT: <u>0</u>	RIGHT: <u>0</u>	Top	Top	Bottom	Bottom
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Bottom	Bottom																
LEFT: <u>0</u>	RIGHT: <u>0</u>																
Top	Top																
Bottom	Bottom																
INFLUENT FEED PUMP IN USE: #1 <u>✓</u> #2 _____		INFLUENT PUMP PRESSURE: <u>7</u> psi															
AIR STRIPPER BLOWER IN USE: #1 <u>✓</u> #2 _____		AIR STRIPPER PRESSURE: <u>21</u> in. H ₂ O															
AIR STRIPPER DIFFERENTIAL PRESSURE: <u>broken</u> in. H ₂ O		DISCHARGE PRESSURE: <u>9.7</u> in. H ₂ O															
AIR FLOW: <u>1375</u> fpm X 1.4 = <u>1925</u> CFM		AIR SPARGER LEFT <u>5.8</u> RIGHT <u>2.4</u> CFM															
AIR TEMP: <u>79</u> °F																	
EFFLUENT PUMP IN USE: #1 <u>✓</u> #2 _____		EFFLUENT FEED PUMP PRESSURE: <u>4</u> psi															
EFFLUENT FLOW RATE: <u>86</u> gpm		EFFLUENT TOTALIZER READING: <u>84,575,627</u> 239120 gallons															
ARE BUILDING HEATERS IN USE? YES: <u>✓</u> NO: _____		INSIDE TEMPERATURE (° F): <u>60</u>															
IS SUMP PUMP IN USE: YES: <u>✓</u> NO: _____		ARE ANY LEAKS PRESENT? YES: _____ NO: <u>✓</u>															
WATER LEVEL IN SUMP: <u>7.0</u> in.		TREATMENT BUILDING CLEAN & ORGANIZED? YES: <u>✓</u> NO: _____															

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

24-Dec-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				NOTES: cfm = 0.05 x fpm (3" PVC)
	west	east		
MANOMETER: <u>1.3</u> in. WC				
(Fan Inlet)	FLOW (fpm): _____	_____		
CONDENSATE <u>2.0</u> 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: Shoveled snow in front of Treatment Room doors.

Drained Air Stripper Discharge Pressure Gauge line.

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: <u>31-Dec-18</u>		ACTIVITIES: <u>Site Inspection</u>	
INSPECTION PERSONNEL: <u>R. Allen</u>		OTHER PERSONNEL: <u>-----</u>	
WEATHER CONDITIONS: <u>Cloudy, cool</u>		OUTSIDE TEMPERATURE (° F): <u>40</u>	
ARE WELL PUMPS OPERATING IN AUTO: YES: _____ NO: <u>✓</u> If "NO", provide explanation below <u>RW-1, PW-2 and PW-3 are manually set to OFF position; PW-4 through PW-8 are in AUTO</u>			
PROVIDE WATER LEVEL READINGS ON CONTROL PANEL			
RW-1	ON: <u>✓</u>	OFF: _____	<u>14</u> ft
PW-2	ON: _____	OFF: <u>✓</u>	<u>10</u> ft
PW-3	ON: <u>✓</u>	OFF: _____	<u>12</u> ft
PW-4	ON: _____	OFF: <u>✓</u>	<u>3</u> ft
PW-5	ON: _____	OFF: <u>✓</u>	<u>6</u> ft
PW-6	ON: _____	OFF: <u>✓</u>	<u>7</u> ft
PW-7	ON: _____	OFF: <u>✓</u>	<u>6</u> ft
PW-8	ON: _____	OFF: <u>✓</u>	<u>3</u> ft
EQUALIZATION TANK: <u>4</u> ft		Last Alarm D/T/Condition: <u>9/21/2018 Air Stripper Low Pressure</u>	
NOTES: _____			
INFLUENT FLOW RATE: <u>22</u> gpm		INFLUENT TOTALIZER READING: <u>16926784</u> gallons	
SEQUESTERING AGENT DRUM LEVEL: <u>24</u> inches		(x 1.7=) AMOUNT OF AGENT REMAINING: <u>41</u> gallons	
SEQUESTERING AGENT FEED RATE: <u>-----</u> ml/min		METERING PUMP PRESSURE: <u>-----</u> psi	
BAG FILTER PRESSURES:			
	Top Bottom	Top Bottom	
LEFT:	<u>0</u> <u>0</u> psi	RIGHT:	<u>8</u> <u>0</u> psi
INFLUENT FEED PUMP IN USE: #1 <u>✓</u> #2 _____		INFLUENT PUMP PRESSURE: <u>7</u> psi	
AIR STRIPPER BLOWER IN USE: #1 <u>✓</u> #2 _____		AIR STRIPPER PRESSURE: <u>25</u> in. H ₂ O	
AIR STRIPPER DIFFERENTIAL PRESSURE: <u>broken</u> in. H ₂ O		DISCHARGE PRESSURE: <u>9.8</u> in. H ₂ O	
AIR FLOW: <u>1300</u> fpm X 1.4 = <u>1820</u> CFM		AIR SPARGER LEFT <u>5.8</u> RIGHT <u>2.4</u> CFM	
AIR TEMP: <u>82</u> °F			
EFFLUENT PUMP IN USE: #1 <u>✓</u> #2 _____		EFFLUENT FEED PUMP PRESSURE: <u>4</u> psi	
EFFLUENT FLOW RATE: <u>84</u> gpm		EFFLUENT TOTALIZER READING: <u>84,606,759</u> 270150 gallons	
ARE BUILDING HEATERS IN USE? YES: <u>✓</u> NO: _____		INSIDE TEMPERATURE (° F): <u>61</u>	
IS SUMP PUMP IN USE: YES: <u>✓</u> NO: _____		ARE ANY LEAKS PRESENT? YES: _____ NO: <u>✓</u>	
WATER LEVEL IN SUMP: <u>6.0</u> in.		TREATMENT BUILDING CLEAN & ORGANIZED? YES: <u>✓</u> NO: _____	

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

31-Dec-18

SAMPLES COLLECTED? YES: ✓ NO: _____ Sampled on Jan 1, 2019

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
AIR STRIPPER INFLUENT:	INF	1:00 pm	8.2		10.5	2218
AIR STRIPPER EFFLUENT:	EFF	1:00 pm	9.3		11.6	2332

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		NOTES:
		west	east	
MANOMETER:	<u>1.3</u> in. WC			<u>cfm = 0.05 x fpm (3" PVC)</u>
(Fan Inlet)				
CONDENSATE	<u>1.0</u> gallon			
DRAINED	Yes			

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: Respond to wind storm on Jan 1. Reset Alarm on Air Stripper Control Panel. Reset AutoDialer Code 03.

Swept up spruce cones and needles from Library Parking Lot near well groups PW-6 and PW-7.

AGWAY

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

Other Actions:

Attachment C
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
December 2018 Report

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
				\$ 1,154.72	\$ 1,269.42	\$ 1,449.31	\$ 925.36	\$ 1,101.35	\$ 1,422.75
				\$ 111.83	\$ 21.25	\$ -	\$ 20.19	\$ 63.75	-
Totals				\$ 1,266.55	\$ 1,290.67	\$ 1,449.31	\$ 945.55	\$ 1,165.10	\$ 1,422.75

Electric - Mr. C's	\$ 14,400.16
Natural Gas - Mr. C's	\$ 599.18
Grand Total - NYSE&G/National Fuel Gas Costs To Date	\$ 14,999.34

Notes:	
	Overbilled natural gas costs - no charges
	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	866-874-5500	EN-003229-0001-03TTO	Mr. C's Telephone Costs	\$ 41.09	\$ 41.09	\$ 41.09	\$ 41.09	\$ 41.09	\$ 41.09
Account # 01890582				Jul-2018	Aug-2018	Sep-2018	Oct-2018	Nov-2018	Dec-2018
				\$ 41.09	\$ 41.09	\$ 41.09	\$ 41.09	\$ 41.09	\$ 41.09

Verizon Costs to Date - Mr. C's \$ 493.08

Grand Total All Utilities To Date \$ 15,492.42

Monthly Average Costs

Mr. C's Electric	\$ 1,200.01
Mr. C's Gas	\$ 54.47
Mr. C's Telephone	\$ 41.09
Average Utility Cost Total	\$ 1,295.57
12 Month Estimate	\$ 15,546.89

Budget Remaining:	Electric:	\$10,899.84
	Telephone:	\$46.92
	Gas	\$520.82
	Total:	\$11,467.58