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

BUFFALO CORPORATE CENTER
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September 21, 2018

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

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

Dear Mr. Long:

Ecology and Environment Engineering and Geology, P.C. (E&E) is pleased to provide the August 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 August 2018 reporting period, the treatment system was in operation from July 30 to August 29, 2018. The monthly OM&M sampling was performed on August 29, 2018, and the results were received from SAI on September 7, 2018. A summary of field activities prepared by E&E's subcontractor, IYER Environmental Group, PLLC. (IEG), is provided in Attachment A. Selected pages from the groundwater treatment system analytical data packages prepared by Spectrum Analytical Inc. (SAI), Warwick, Rhode Island, are provided as Attachment B.

In response to the 2017 Periodic Review Report, NYSDEC requested on March 6, 2018 that the east pumping wells (RW-1, PW-2, and PW-3) remain off while the pumping wells to the west of Whaley Avenue (PW-4, PW-5, PW-6, PW-7, and PW-8) remain on. Additionally, it was requested that testing of the groundwater from the pumping wells in operation be performed on a quarterly schedule. Testing of these pumping wells occurred in April and July 2018. Subsequent testing of the groundwater from the pumping wells shall occur in October 2018 and January 2019.

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 August 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 July 30 through August 29, 2018, had a 100% operational up-time, and the treatment of contaminated groundwater during that period totaled 115,104 gallons. The treated effluent water and operational up-time can be seen in Table 1.

- The compliance samples from August 29, 2018 had discharge effluent concentrations for cis-1,2-dichloroethene, trichloroethene, and tetrachloroethene below the reportable detection limits. The effluent results for August 29, 2018 met the SPDES Equivalency permit requirements, and these results are provided in Table 2.
- The analytical summary results of the August 29, 2018 samples revealed the total volatile organic contaminant concentrations of the influent to be 5,127 µg/L. In review of the effluent concentrations, the total volatile organic contaminant concentrations were all below the reportable detection limits. The summary of influent and effluent contaminant concentrations for the August 2018 sampling are presented in Table 3. 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 4.92 lbs. of targeted contaminants from the groundwater between July 30 and August 29, 2018. The cleanup effectiveness for August 2018 was 100%, represented by the sample results from August 29, 2018. The calculations and data for these months are presented in Table 3. The mass of VOCs removed each month throughout 2017 and 2018 is shown in Figure 2.

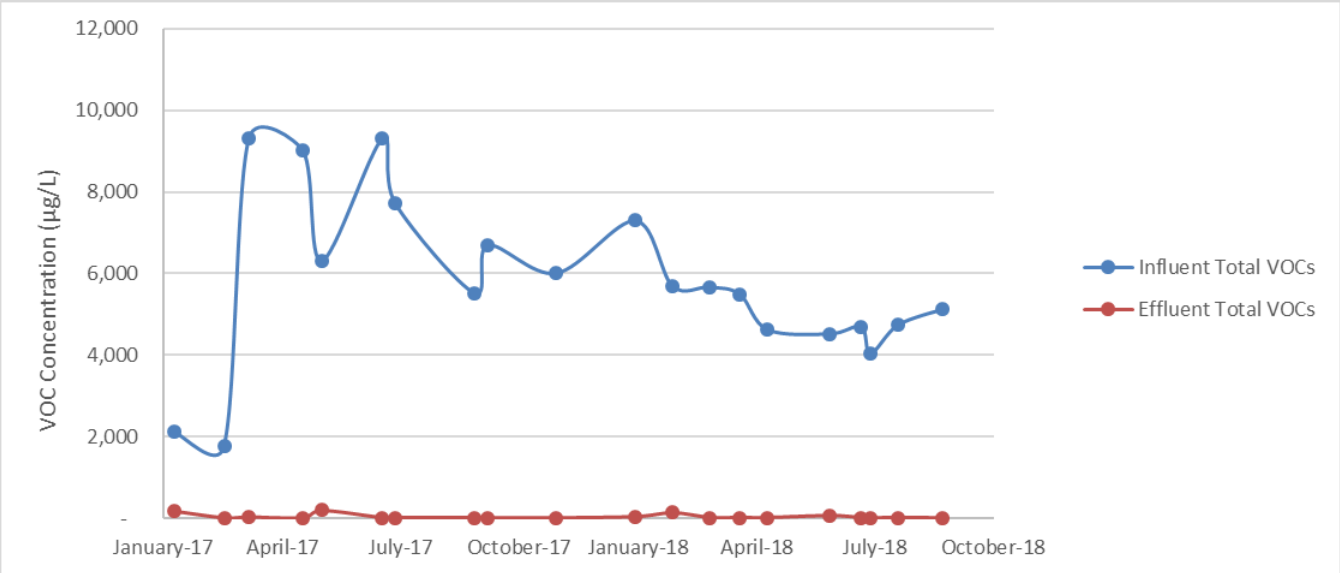

Figure 1: Monthly Influent and Effluent VOC concentrations - 2017 and 2018.

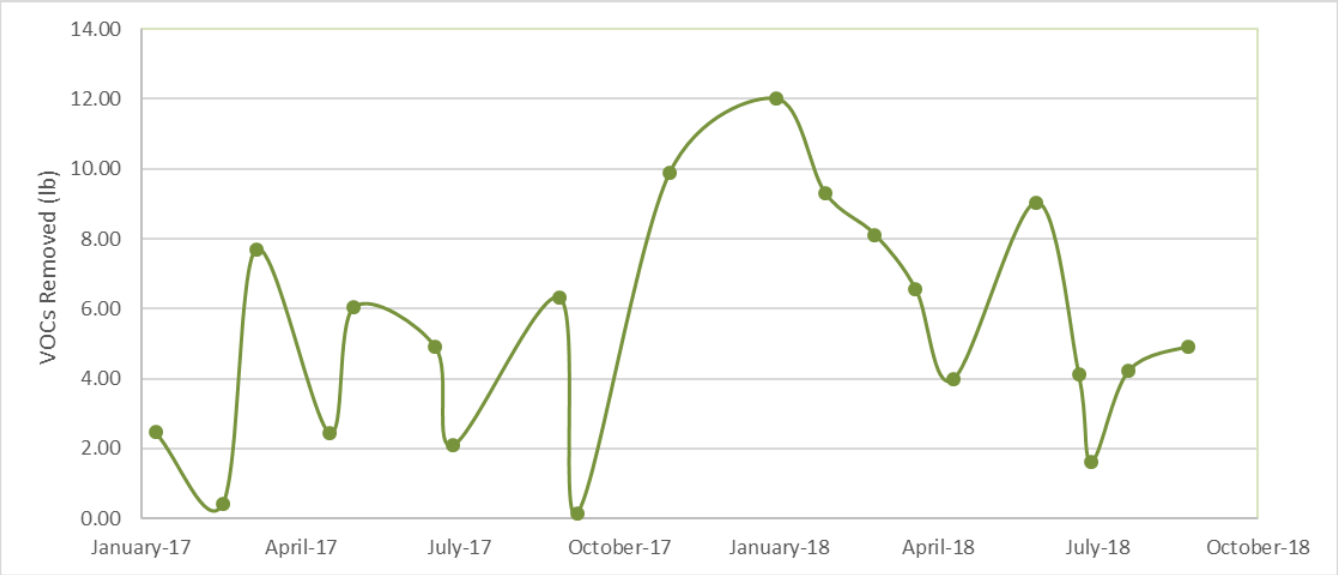

Figure 2: Mass of VOCs removed each month - 2017 and 2018.

Subslab Depressurization Systems (SSDS):

- SSDS installation designs at 23 and 31 Paine Street are currently in progress.

If you have questions regarding the August 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 Patnode

Ashlee Patnode
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

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 01/08/18)		**118,453.50**	**91.67%**	**131,261,841**	**NA**	**NA**	**1,680.06**
January 8, 2018 - February 5,2018	February 5, 2018	672	100.00%	200,566	5695.00	136.76	9.30
February 5, 2018 - March 5,2018	March 5, 2018	624	92.86%	171,953	5670.00	12.76	8.12
March 5, 2018 - March 28, 2018	March 28, 2018	552	100.00%	143,120	5494.50	7.44	6.55
March 28, 2018 - April 18, 2018	April 18, 2018	504	100.00%	103,015	4625.00	6.32	3.97
April 18, 2018 - June 4, 2018	June 4, 2018	1128	100.00%	242,989	4521.50	61.60	9.04
June 4, 2018 - June 28, 2018	June 28, 2018	528	91.67%	104,925	4695.00	6.65	4.10
June 28, 2018 - July 30, 2018	July 5, 2018	768	100.00%	47,778	4046.00	0.00	1.61
	July 26, 2018				4742.50	8.39	4.22
July 30, 2018 - August 29, 2018	August 29, 2018	720	100.00%	115,104	5127.00	0.00	4.92
Total in 2017		**5,496.00**	**98.28%**	**1,129,450**	**44,616.50**	**239.92**	**51.85**
Total from startup		**123,949.50**	**91.94%**	**132,391,291**	**NA**	**NA**	**1,731.91**

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	August 29, 2018 Effluent Analytical Values Compliance
Flow (Average)[2]	N/A	gpd	3,837
pH	6.0 - 9.0	standard units	8.43
1,1 Dichloroethene	10	µg/L	ND
1,1 Dichloroethane	10	µg/L	ND
cis-1,2-dichloroethene	10	µg/L	ND
Trichloroethene	10	µg/L	ND
Tetrachloroethene	10	µg/L	ND
Vinyl Chloride	10	µg/L	ND
Benzene	5	µg/L	ND
Ethylbenzene	5	µg/L	ND
Methylene Chloride	10	µg/L	ND
1,1,1 Trichloroethane	10	µg/L	ND
Toluene	5	µg/L	ND
Methyl-t-Butyl Ether (MTBE)	NA	ug/L	ND
o-Xylene[3]	5	µg/L	ND
m, p-Xylene[3]	10	µg/L	ND
Total Xylenes	NA	ug/L	ND
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		500
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:
   July 30, 2018 - August 29, 2018 = 3,837 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.

Table 3
Mr. C's Dry Cleaners Site Remediation
NYSDEC Site #915157
August 2018 VOC Analytical Summary

Compound	Based on the August 29, 2018 Effluent Analytical Results				
	Influent Concentration* (ug/L)		Effluent Concentration** (ug/L)		Cleanup Efficiency*** (%)
Acetone	ND (<500)	U	ND (<10.0)	U	NA
Benzene	ND (<50)	U	ND (<1.0)	U	NA
2-Butanone	ND (<100)	U	ND (<2.0)	U	NA
cis-1, 2-Dichloroethene	3270		ND (<1.0)	U	100.00%
Chloroform	ND (<50)	U	ND (<1.0)	U	NA
Chloromethane	ND (<100)	U	ND (<2.0)	U	NA
Methylene chloride	ND (<100)	U	ND (<2.0)	U	NA
Methyl tert-butyl ether (MTBE)	ND (<50)	U	ND (<1.0)	U	NA
Methyl acetate	ND (<250)	U	ND (<5.0)	U	NA
Tetrachloroethene (PCE)	1200		ND (<1.0)	U	100.00%
Toluene	ND (<50)	U	ND (<1.0)	U	NA
Trichloroethene (TCE)	484		ND (<1.0)	U	100.00%
Carbon Disulfide	ND (<100)	U	ND (<2.0)	U	NA
1,1,2 Trichloro-1,2,2-trifluororethane	ND (<50)	U	ND (<1.0)	U	NA
2-Hexanone	ND (<100)	U	ND (<2.0)	U	NA
4-Methyl-2-pentanone	ND (<100)	U	ND (<2.0)	U	NA
Cyclohexane	ND (<250)	U	ND (<5.0)	U	NA
trans-1,2-dichloroethene	ND (<50)	U	ND (<1.0)	U	NA
Chlorobenzene	ND (<50)	U	ND (<1.0)	U	NA
Methylcyclohexane	ND (<250)	U	ND (<5.0)	U	NA
Ethylbenzene	ND (<50)	U	ND (<1.0)	U	NA
Vinyl Chloride	173		ND (<1.0)	U	100.00%
Total Xylenes	ND (<150)	U	ND (<3.0)	U	NA
TOTAL:	**5127.0**		**0.0**		**100.00%**

Notes:

1. "NA" = Not applicable
2. "U" = Compound analyzed, but was not detected. Detection limit in parentheses.
3. "DJ" or "J" indicates an estimated value below the practical quantitation limit but above the method detection limit.
4. Non-detect values are assumed to be equal to zero for calculation of monthly average concentrations.
5. "D" indicates the compound concentration was obtained form a secondary dilution analysis.
6. "Bold" - exceeds the SPDES Equilavency Permit Requirements.

* Detection Limits (<50), (<100), (<150), (<250), and (<500)

** Detection Limits (<1.0), (<2.0), (<3.0), (<5.0), and (<10.0)

*** Contaminants of Concern only

Attachment A
IEG Summary of Field Activities
August 2018

08/08/2018
08/21/2018
08/28/2018

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

DATE: 8-Aug-18 *ACTIVITIES:* Site Inspection

INSPECTION PERSONNEL: R. Allen *OTHER PERSONNEL:*

WEATHER CONDITIONS: Cloudy, rain, warm *OUTSIDE TEMPERATURE (°F):* 70

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

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

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

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

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

NOTES:

INFLUENT FLOW RATE: 10 gpm INFLUENT TOTALIZER READING: 16177062 gallons

SEQUESTERING AGENT DRUM LEVEL: 8 inches *(x 1.7=)* *AMOUNT OF AGENT REMAINING:* 14 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:* 28 psi

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

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

AIR FLOW : 1500 fpm X 1.4 = 2100 CFM *AIR SPARGER* *LEFT* 6.5 *RIGHT* 3.2 CFM

AIR TEMP: 104 °F

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

EFFLUENT FLOW RATE: 132 gpm *EFFLUENT TOTALIZER READING:* 84,094,805 | 755220 gallons

ARE BUILDING HEATERS IN USE? YES: NO: √ *INSIDE TEMPERATURE (°F):* 85

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

8-Aug-18

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

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

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

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

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

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

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

RW-1 inner ring is corroded.

SUBSLAB SYSTEMS

TREATMENT ROOM

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

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

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

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

OTHER LOCATIONS

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

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

Remarks:

Other Actions: Checked MWs on Whaley Ave and Fillmore St as per road surface repaving. MP-8S, MP-9S and MPI-14B are OK

MPI-13B is damaged and needs to be replaced.

Got 12 x 8 Road Box from Buffalo Well Products and delivered it to Village of Aurora.

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: 21-Aug-18 *ACTIVITIES:* Site Inspection

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

WEATHER CONDITIONS: Cloudy, drizzle, warm *OUTSIDE TEMPERATURE (°F):* 71

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

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

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

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

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

NOTES:

INFLUENT FLOW RATE: 0 gpm INFLUENT TOTALIZER READING: 16250602 gallons

SEQUESTERING AGENT DRUM LEVEL: 31 inches *(x 1.7=)* *AMOUNT OF AGENT REMAINING:* 53 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:* 8 psi

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

AIR STRIPPER DIFFERENTIAL PRESSURE: broken in. H_2O *DISCHARGE PRESSURE:* 9.5 in. H_2O

AIR FLOW : 1200 fpm X 1.4 = 1680 CFM *AIR SPARGER* *LEFT* 6.5 *RIGHT* 3.1 CFM

AIR TEMP: 102 °F

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

EFFLUENT FLOW RATE: 134 gpm *EFFLUENT TOTALIZER READING:* 84,146,029 | 807410 gallons

ARE BUILDING HEATERS IN USE? YES: NO: √ *INSIDE TEMPERATURE (°F):* 84

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

21-Aug-18

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

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

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

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

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

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

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

RW-1 inner ring is corroded.

SUBSLAB SYSTEMS

TREATMENT ROOM

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

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

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

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

OTHER LOCATIONS

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

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

Remarks:

Other Actions:

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: 28-Aug-18 *ACTIVITIES:* Site Inspection

INSPECTION PERSONNEL: R. Allen *OTHER PERSONNEL:*

WEATHER CONDITIONS: Partly cloudy, windy, hot *OUTSIDE TEMPERATURE (°F):* 85

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

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

PROVIDE WATER LEVEL READINGS ON CONTROL PANEL

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

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

NOTES:

INFLUENT FLOW RATE: 0 gpm INFLUENT TOTALIZER READING: 16290750 gallons

SEQUESTERING AGENT DRUM LEVEL: 26 inches *(x 1.7=)* *AMOUNT OF AGENT REMAINING:* 44 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:* 8 psi

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

AIR STRIPPER DIFFERENTIAL PRESSURE: broken in. H_2O *DISCHARGE PRESSURE:* 9.4 in. H_2O

AIR FLOW : 1350 fpm X 1.4 = 1890 CFM *AIR SPARGER* *LEFT* 6.3 *RIGHT* 3.1 CFM

AIR TEMP: 111 °F

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

EFFLUENT FLOW RATE: 136 gpm *EFFLUENT TOTALIZER READING:* 84,173,872 | 835690 gallons

ARE BUILDING HEATERS IN USE? YES: NO: √ *INSIDE TEMPERATURE (°F):* 94

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

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

MR. C's DRY CLEANERS SITE

NYSDEC Site #90150157

SITE INSPECTION FORM

28-Aug-18

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

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

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

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

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

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

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

RW-1 inner ring is corroded.

SUBSLAB SYSTEMS

TREATMENT ROOM

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

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

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

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

OTHER LOCATIONS

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

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

Remarks:

Other Actions:

AGWAY

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

Other Actions:

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

Analytical Data Package Work Order ID: SC49911
Sampled by IEG: August 28, 2018
Report Received: September 7, 2018

eurofins | Spectrum Analytical

☑ Final Report
☐ Revised Report

Report Date:
07-Sep-18 15:07

Laboratory Report
SC49911

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

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

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

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

Authorized by:

Christina White
Technical Director

Christina A. White

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 18 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Eurofins Spectrum Analytical, Inc.

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

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

Sample Summary

Work Order: SC49911

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

Project Number: [none]

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SC49911-01	Influent	Ground Water	29-Aug-18 11:00	30-Aug-18 11:00
SC49911-02	Effluent	Ground Water	29-Aug-18 11:00	30-Aug-18 11:00
SC49911-03	TB	Water	29-Aug-18 11:00	30-Aug-18 11:00

Summary of Hits

Lab ID: SC49911-01 **Client ID:** Influent

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Hardness (CaCO3)	259		0.1	mg/l	E200.7
cis-1,2-Dichloroethene	3270	D	50.0	µg/l	SW846 8260C
Tetrachloroethene	1200	D	50.0	µg/l	SW846 8260C
Trichloroethene	484	D	50.0	µg/l	SW846 8260C
Vinyl chloride	173	D	50.0	µg/l	SW846 8260C

Lab ID: SC49911-02 **Client ID:** Effluent

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Hardness (CaCO3)	500		0.1	mg/l	E200.7

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	[none]	Ground Water	29-Aug-18 11:00	30-Aug-18
SC49911-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260 Prepared by method SW846 5030 Water MS			GS1										
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 50.0	U, D	µg/l	50.0	29.0	50	SW846 8260C	04-Sep-18	04-Sep-18	MP	1812043	X
67-64-1	Acetone	< 500	U, D	µg/l	500	188	50	"	"	"	"	"	X
71-43-2	Benzene	< 50.0	U, D	µg/l	50.0	17.0	50	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 25.0	U, D	µg/l	25.0	14.6	50	"	"	"	"	"	X
75-25-2	Bromoform	< 50.0	U, D	µg/l	50.0	12.1	50	"	"	"	"	"	X
74-83-9	Bromomethane	< 100	U, D	µg/l	100	22.3	50	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 100	U, D	µg/l	100	35.2	50	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 100	U, D	µg/l	100	35.0	50	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 50.0	U, D	µg/l	50.0	19.6	50	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 50.0	U, D	µg/l	50.0	15.0	50	"	"	"	"	"	X
75-00-3	Chloroethane	< 100	U, D	µg/l	100	20.2	50	"	"	"	"	"	X
67-66-3	Chloroform	< 50.0	U, D	µg/l	50.0	14.3	50	"	"	"	"	"	X
74-87-3	Chloromethane	< 100	U, D	µg/l	100	18.0	50	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 100	U, D	µg/l	100	23.6	50	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 25.0	U, D	µg/l	25.0	14.6	50	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 25.0	U, D	µg/l	25.0	15.0	50	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 50.0	U, D	µg/l	50.0	12.2	50	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 50.0	U, D	µg/l	50.0	15.0	50	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 50.0	U, D	µg/l	50.0	13.6	50	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 100	U, D	µg/l	100	17.2	50	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 50.0	U, D	µg/l	50.0	14.6	50	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 50.0	U, D	µg/l	50.0	9.05	50	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 50.0	U, D	µg/l	50.0	15.7	50	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	**3,270**	D	µg/l	50.0	19.8	50	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 50.0	U, D	µg/l	50.0	19.0	50	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 50.0	U, D	µg/l	50.0	14.4	50	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 25.0	U, D	µg/l	25.0	16.4	50	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 25.0	U, D	µg/l	25.0	15.3	50	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 50.0	U, D	µg/l	50.0	15.8	50	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 100	U, D	µg/l	100	31.7	50	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 50.0	U, D	µg/l	50.0	15.1	50	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 50.0	U, D	µg/l	50.0	14.8	50	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 100	U, D	µg/l	100	17.7	50	"	"	"	"	"	X
75-09-2	Methylene chloride	< 100	U, D	µg/l	100	19.2	50	"	"	"	"	"	X
100-42-5	Styrene	< 50.0	U, D	µg/l	50.0	16.4	50	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 25.0	U, D	µg/l	25.0	12.8	50	"	"	"	"	"	X
127-18-4	Tetrachloroethene	**1,200**	D	µg/l	50.0	15.6	50	"	"	"	"	"	X
108-88-3	Toluene	< 50.0	U, D	µg/l	50.0	14.5	50	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 50.0	U, D	µg/l	50.0	16.2	50	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 50.0	U, D	µg/l	50.0	12.2	50	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 50.0	U, D	µg/l	50.0	15.4	50	"	"	"	"	"	X
79-01-6	Trichloroethene	**484**	D	µg/l	50.0	17.8	50	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Influent SC49911-01	[none]	Ground Water	29-Aug-18 11:00	30-Aug-18

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260			GS1										
75-01-4	Vinyl chloride	**173**	D	µg/l	50.0	20.1	50	SW846 8260C	04-Sep-18	04-Sep-18	MP	1812043	X
1330-20-7	Total Xylenes	< 150	U, D	µg/l	150	150	50	"	"	"	"	"	X
110-82-7	Cyclohexane	< 250	U, D	µg/l	250	21.8	50	"	"	"	"	"	X
79-20-9	Methyl acetate	< 500	U, D	µg/l	500	257	50	"	"	"	"	"	X
108-87-2	Methylcyclohexane	< 250	U, D	µg/l	250	19.5	50	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*95*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*102*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*108*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*108*			*70-130 %*			"	"	"	"	"	
General Chemistry Parameters													
	pH	**6.90**	pH	pH Units			1	ASTM D 1293-99B	30-Aug-18 13:00	30-Aug-18 15:39	BD	1811968	
Subcontracted Analyses													
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
	Hardness (CaCO3)	**259**		mg/l	0.1		1	E200.7	29-Aug-18 11:00	01-Sep-18 03:22	11301	'[none]'	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Effluent SC49911-02	[none]	Ground Water	29-Aug-18 11:00	30-Aug-18

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260 Prepared by method SW846 5030 Water MS													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 1.00	U	µg/l	1.00	0.58	1	SW846 8260C	04-Sep-18	04-Sep-18	MP	1812043	X
67-64-1	Acetone	< 10.0	U	µg/l	10.0	3.76	1	"	"	"	"	"	X
71-43-2	Benzene	< 1.00	U	µg/l	1.00	0.34	1	"	"	"	"	"	X
75-27-4	Bromodichloromethane	< 0.50	U	µg/l	0.50	0.29	1	"	"	"	"	"	X
75-25-2	Bromoform	< 1.00	U	µg/l	1.00	0.24	1	"	"	"	"	"	X
74-83-9	Bromomethane	< 2.00	U	µg/l	2.00	0.45	1	"	"	"	"	"	X
78-93-3	2-Butanone (MEK)	< 2.00	U	µg/l	2.00	0.70	1	"	"	"	"	"	X
75-15-0	Carbon disulfide	< 2.00	U	µg/l	2.00	0.70	1	"	"	"	"	"	X
56-23-5	Carbon tetrachloride	< 1.00	U	µg/l	1.00	0.39	1	"	"	"	"	"	X
108-90-7	Chlorobenzene	< 1.00	U	µg/l	1.00	0.30	1	"	"	"	"	"	X
75-00-3	Chloroethane	< 2.00	U	µg/l	2.00	0.40	1	"	"	"	"	"	X
67-66-3	Chloroform	< 1.00	U	µg/l	1.00	0.29	1	"	"	"	"	"	X
74-87-3	Chloromethane	< 2.00	U	µg/l	2.00	0.36	1	"	"	"	"	"	X
96-12-8	1,2-Dibromo-3-chloropropane	< 2.00	U	µg/l	2.00	0.47	1	"	"	"	"	"	X
124-48-1	Dibromochloromethane	< 0.50	U	µg/l	0.50	0.29	1	"	"	"	"	"	X
106-93-4	1,2-Dibromoethane (EDB)	< 0.50	U	µg/l	0.50	0.30	1	"	"	"	"	"	X
95-50-1	1,2-Dichlorobenzene	< 1.00	U	µg/l	1.00	0.24	1	"	"	"	"	"	X
541-73-1	1,3-Dichlorobenzene	< 1.00	U	µg/l	1.00	0.30	1	"	"	"	"	"	X
106-46-7	1,4-Dichlorobenzene	< 1.00	U	µg/l	1.00	0.27	1	"	"	"	"	"	X
75-71-8	Dichlorodifluoromethane (Freon12)	< 2.00	U	µg/l	2.00	0.34	1	"	"	"	"	"	X
75-34-3	1,1-Dichloroethane	< 1.00	U	µg/l	1.00	0.29	1	"	"	"	"	"	X
107-06-2	1,2-Dichloroethane	< 1.00	U	µg/l	1.00	0.18	1	"	"	"	"	"	X
75-35-4	1,1-Dichloroethene	< 1.00	U	µg/l	1.00	0.31	1	"	"	"	"	"	X
156-59-2	cis-1,2-Dichloroethene	< 1.00	U	µg/l	1.00	0.40	1	"	"	"	"	"	X
156-60-5	trans-1,2-Dichloroethene	< 1.00	U	µg/l	1.00	0.38	1	"	"	"	"	"	X
78-87-5	1,2-Dichloropropane	< 1.00	U	µg/l	1.00	0.29	1	"	"	"	"	"	X
10061-01-5	cis-1,3-Dichloropropene	< 0.50	U	µg/l	0.50	0.33	1	"	"	"	"	"	X
10061-02-6	trans-1,3-Dichloropropene	< 0.50	U	µg/l	0.50	0.31	1	"	"	"	"	"	X
100-41-4	Ethylbenzene	< 1.00	U	µg/l	1.00	0.32	1	"	"	"	"	"	X
591-78-6	2-Hexanone (MBK)	< 2.00	U	µg/l	2.00	0.63	1	"	"	"	"	"	X
98-82-8	Isopropylbenzene	< 1.00	U	µg/l	1.00	0.30	1	"	"	"	"	"	X
1634-04-4	Methyl tert-butyl ether	< 1.00	U	µg/l	1.00	0.30	1	"	"	"	"	"	X
108-10-1	4-Methyl-2-pentanone (MIBK)	< 2.00	U	µg/l	2.00	0.35	1	"	"	"	"	"	X
75-09-2	Methylene chloride	< 2.00	U	µg/l	2.00	0.38	1	"	"	"	"	"	X
100-42-5	Styrene	< 1.00	U	µg/l	1.00	0.33	1	"	"	"	"	"	X
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50	U	µg/l	0.50	0.26	1	"	"	"	"	"	X
127-18-4	Tetrachloroethene	< 1.00	U	µg/l	1.00	0.31	1	"	"	"	"	"	X
108-88-3	Toluene	< 1.00	U	µg/l	1.00	0.29	1	"	"	"	"	"	X
120-82-1	1,2,4-Trichlorobenzene	< 1.00	U	µg/l	1.00	0.32	1	"	"	"	"	"	X
71-55-6	1,1,1-Trichloroethane	< 1.00	U	µg/l	1.00	0.24	1	"	"	"	"	"	X
79-00-5	1,1,2-Trichloroethane	< 1.00	U	µg/l	1.00	0.31	1	"	"	"	"	"	X
79-01-6	Trichloroethene	< 1.00	U	µg/l	1.00	0.36	1	"	"	"	"	"	X

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Effluent SC49911-02	[none]	Ground Water	29-Aug-18 11:00	30-Aug-18

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
Volatile Organic Compounds by SW846 8260													
75-01-4	Vinyl chloride	< 1.00	U	µg/l	1.00	0.40	1	SW846 8260C	04-Sep-18	04-Sep-18	MP	1812043	X
1330-20-7	Total Xylenes	< 3.00	U	µg/l	3.00	3.00	1	"	"	"	"	"	X
110-82-7	Cyclohexane	< 5.00	U	µg/l	5.00	0.44	1	"	"	"	"	"	X
79-20-9	Methyl acetate	< 10.0	U	µg/l	10.0	5.14	1	"	"	"	"	"	X
108-87-2	Methylcyclohexane	< 5.00	U	µg/l	5.00	0.39	1	"	"	"	"	"	X
Surrogate recoveries:													
460-00-4	*4-Bromofluorobenzene*	*97*			*70-130 %*			"	"	"	"	"	
2037-26-5	*Toluene-d8*	*102*			*70-130 %*			"	"	"	"	"	
17060-07-0	*1,2-Dichloroethane-d4*	*109*			*70-130 %*			"	"	"	"	"	
1868-53-7	*Dibromofluoromethane*	*109*			*70-130 %*			"	"	"	"	"	
General Chemistry Parameters													
	pH	**8.43**	pH	pH Units			1	ASTM D 1293-99B	30-Aug-18 13:00	30-Aug-18 15:39	BD	1811968	
Subcontracted Analyses													
*Analysis performed by Phoenix Environmental Labs, Inc. * - CT007*													
	Hardness (CaCO3)	**500**		mg/l	0.1		1	E200.7	29-Aug-18 11:00	01-Sep-18 03:22	11301	'[none]'	

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CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:

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

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

Report To: EEE, Inc
368 Pleasantview Dr
Lancaster, NY 14086

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

Invoice To: EEE, Inc

P.O No.: _____ Quote #: _____

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

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

List Preservative Code below: - 4 2

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	
SC49911-01	INFLUENT	8/29/18	11:00A	G	GW				1	✓			☐	
	INFLUENT			G	GW				1		✓		☐	Please send
-02	INFLUENT			G	GW	3						✓	☐	another Sample
	EFFLUENT			G	GW				1	✓			☐	kit
	EFFLUENT			G	GW				1		✓		☐	(Don't send
	EFFLUENT			G	GW	3						✓	☐	smallest coolers)
-03	TB	11	11	G	W	2						✓	☐	
													☐	
													☐	
													☐	

QA/QC Reporting Notes:
* additional charges may appply

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

Relinquished by:	Received by:	Date:	Time:
Richard C Allen Jr	Fedex	8/31/18	11:00
Fedex			

Temp °C: Observed 4.7; Correction Factor 0; Corrected 4.7; IR ID # 1

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

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

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

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

Electric - Mr. C's	**$**	**9,501.39**
Natural Gas - Mr. C's	**$**	**515.24**
Grand Total - NYSE&G/National Fuel Gas Costs To Date	**$**	**10,016.63**

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				$ 41.09	$ 41.09	$ 41.09	$ 41.09	$ 41.09	$ 41.09
Account # 01890582	866-874-5500	EN-003229-0001-03TTO	Mr. C's Telephone Costs	**Jul-2018**	**Aug-2018**	**Sep-2018**	**Oct-2018**	**Nov-2018**	**Dec-2018**
				$ 41.09	$ 41.09				

Verizon Costs to Date - Mr. C's	**$**	**328.72**

Grand Total All Utilities To Date	**$**	**10,345.35**

Monthly Average Costs

Mr. C's Electric	$	1,187.67
Mr. C's Gas	$	64.41
Mr. C's Telephone	$	41.09
Average Utility Cost Total	**$**	**1,293.17**
12 Month Estimate	**$**	**15,518.03**

Budget Remaining:	Electric:	$15,798.61
	Telephone:	$211.28
	Gas	$604.76
	Total:	$16,614.65