



Groundwater & Environmental Services, Inc.

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March 25, 2020

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

**Re: Mr. C's Dry Cleaners Site # 915157
February 2020 Operations, Maintenance and Monitoring Report**

Dear Mr. Long:

Groundwater and Environmental Services Inc. (GES) is pleased to provide the February 2020 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, NY. In response to a contract changeover, GES is presenting this report on behalf of Ecology and Environment (E&E).

During the February 2020 reporting period, the treatment system was in operation from February 8, 2020 to March 2, 2020. The February monthly OM&M sampling was performed on March 2, 2020, and the results were received from Eurofins Test America Buffalo on March 10, 2020 (**Attachment A**). A summary of field activities prepared by E&E's subcontractor, IYER Environmental Group, PLLC. (IEG), is presented 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 February 2020, GES offers the following comments and highlights:

Operational Summary:

- Based on inspection reports prepared by IEG, the remedial treatment system for the period of February 8, 2020 through March 2, 2020, had an operational up-time of 100%, and 129,217 gallons of contaminated groundwater were treated during the

reporting period. The treated effluent volumes and operational up-time are presented in **Table 1**.

- The analytical summary results of the March 2, 2020 samples revealed the total volatile organic contaminant concentrations of the influent to be 4267.70 µg/L and the concentration of total volatile organic contaminants in the effluent was 0 µg/L. The summary of influent and effluent contaminant concentrations for the February 2020 sampling are presented in **Table 3**. The influent and effluent VOC concentrations during each sampling event in 2018, 2019, and 2020 are presented in **Table 1**.
- The Mr. C's treatment system, based on the total flows from the uptime operations, removed 4.60 lbs. of targeted contaminants from the groundwater during the period of February 8, 2020 through March 2, 2020. The cleanup effectiveness for February 2020 was approximately 100%. The calculations and data for the month are presented in **Table 3**. The mass of VOCs removed each month throughout 2018, 2019 and 2020 is shown in **Figure 2**.

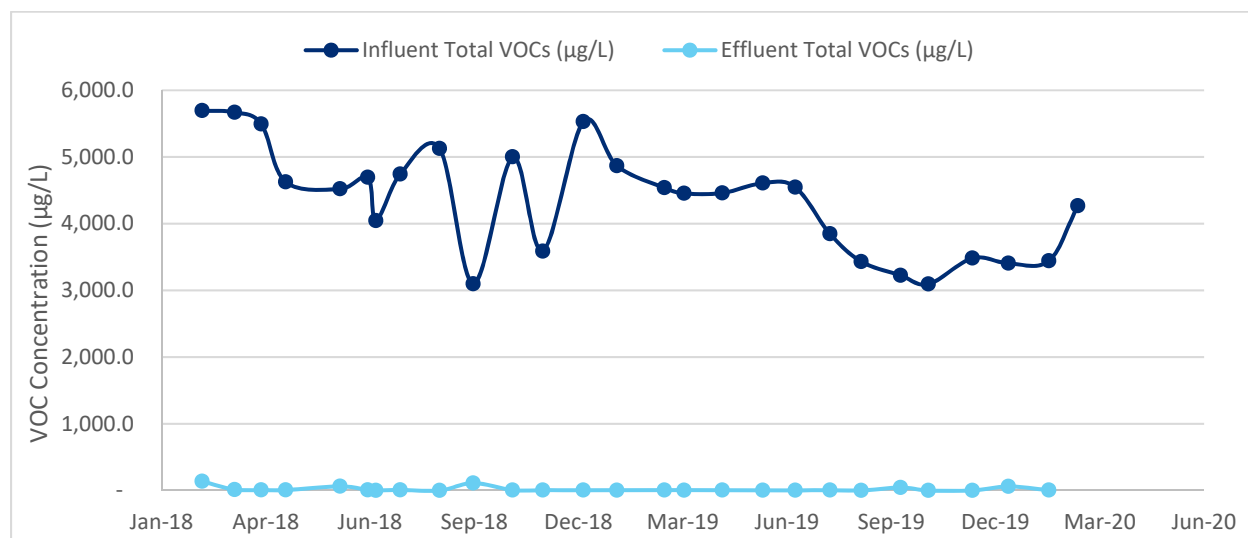


Figure 1: Influent and Effluent VOC Concentrations during each sampling during the period of 2018 through present.

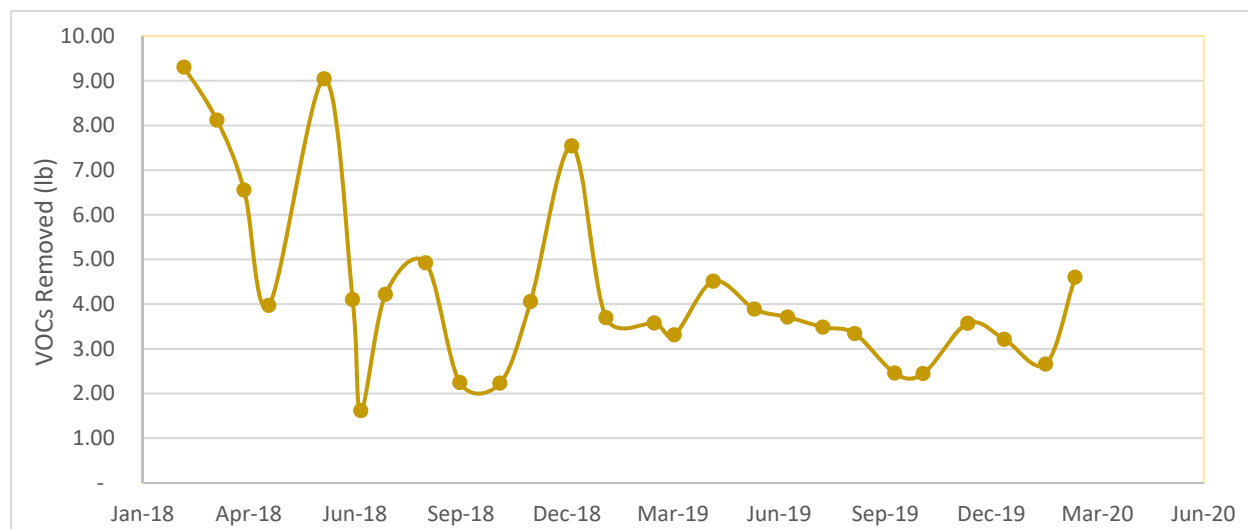


Figure 2: Mass of VOC's removed during the period of 2018 through present.

Pumping Well Summary:

- Pumping wells PW-4, PW-5, PW-6, PW-7 and PW-8 were sampled during the last monthly reporting period and are scheduled to be sampled again on May 15, 2020.

The next monthly report will include data from the period of March 2, 2020 through April 2, 2020 and is scheduled for submission by April 28, 2020. If you have any questions or require additional information please contact the undersigned at (800) 287-7857 extension 4346.

Sincerely,

Thomas D. Palmer
Project Manager



Tables

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 01/03/20)		147,266.00	91.54%	134,339,311	NA	NA	1,794.68
January 03, 2020 to February 07, 2020	February 7, 2020	672	77.14%	92,500	3444.00	5.00	2.66
February 08, 2020 to March 02, 2020	March 2, 2020	576	100.00%	129,217	4267.70	0.00	4.60
<i>Total in 2020</i>		1,248.00	86.21%	221,717	7,711.70	5.00	7.26
<i>Total from startup</i>		148,514.00	91.49%	134,561,028	NA	NA	1,801.94

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	March 2, 2020 Effluent Analytical Values Compliance
Flow (Average) ²	N/A	gpd	5,618
pH	6.0 - 9.0	standard units	7.5
1,1 Dichloroethene	10	µg/L	ND(<1.0)
cis-1,2-dichloroethene	10	µg/L	ND(<1.0)
Trichloroethene	10	µg/L	ND(<1.0)
Tetrachloroethene	10	µg/L	ND(<1.0)
Vinyl Chloride	10	µg/L	ND(<1.0)
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	ND(<1.0)
Toluene	5	µg/L	ND(<1.0)
Methyl-t-Butyl Ether (MTBE)	NA	ug/L	ND(<1.0)
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(<2.0)
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		492
Cyanide, Free ⁴	10	µg/L	NA ⁴

NOTES:

- "Daily Maximum" excerpted from Attachment E of Addendum 1 to the Construction Contract Documents dated October 2000.
- Average flows based on effluent readings:
February 8, 2020- March 2, 2020 = 5,618 gallons per day
- Analytical report did not differentiate between o-Xylene and m, p-Xylene. Total Xylene value reported is given in each line.
- Removed from the required analysis list by NYSDEC Region 9 in February 2005.
- Dark shaded cells indicate that analytical value exceeds the "Daily Maximum."
- "ND" indicates that the compound was not detected and lists the practical quantitation limit in parentheses.
- "NA" indicates that analyses were not performed and data is unavailable.
- "J" indicates an estimated value below the detection limit.
- "B" indicates analyte found in the associated blank.
- "NS" indicates that the parameter analysis was not sampled.

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

Table 3
Mr. C's Dry Cleaners Site Remediation
NYSDEC Site #915157
January 2020 VOC Analytical Summary

Compound	Based on the March 2, 2020 Effluent Analytical Results				
	Influent Concentration		Effluent Concentration		Cleanup Efficiency*
	(ug/L)		(ug/L)		(%)
Acetone	ND(<200)	U	ND(<10)	U	NA
Benzene	ND(<20)	U	ND(<1.0)	U	NA
2-Butanone	ND(<200)	U	ND(<10)	U	NA
1,1-Dichloroethene	ND (<20)	J	ND(<1.0)	U	NA
cis-1, 2-Dichloroethene	1800		ND(<1.0)	U	100.00%
Chloroform	ND(<20)	U	ND(<1.0)	U	NA
Chloromethane	ND(<20)	U	ND(<1.0)	U	NA
Methylene chloride	ND(<20)	U	ND(<1.0)	U	NA
Methyl tert-butyl ether (MTBE)	7.7	J	ND(<1.0)	U	100.00%
Methyl acetate	ND(<50)	U	ND(<2.5)	U	NA
Tetrachloroethene (PCE)	2000		ND(<1.0)	U	100.00%
Toluene	ND(<20)	U	ND(<1.0)	U	NA
Trichloroethene (TCE)	300		ND(<1.0)	U	100.00%
Carbon Disulfide	ND(<20)	U	ND(<1.0)	U	NA
1,1,2 Trichloro-1,2,2-trifluoroethane	ND(<20)	U	ND(<1.0)	U	NA
2-Hexanone	ND(<100)	U	ND(<5)	U	NA
4-Methyl-2-pentanone	ND(<100)	U	ND(<5)	U	NA
Cyclohexane	ND(<20)	U	ND(<1.0)	U	NA
trans-1,2-dichloroethene	ND (<20)	U	ND(<1.0)	U	NA
Chlorobenzene	ND(<20)	U	ND(<1.0)	U	NA
Methylcyclohexane	ND(<20)	U	ND(<1.0)	U	NA
Ethylbenzene	ND(<20)	U	ND(<1.0)	U	NA
Vinyl Chloride	160		ND(<1.0)	U	100.00%
Total Xylenes	ND(<40)	U	ND(<2.0)	U	NA
TOTAL:	4267.7		0.0		100.00%

Notes:

1. The efficiency cleanup values are calculated based on the March 2, 2020 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 Equivalency Permit Requirements.

* Contaminants of Concern only



Attachment A – Analytical Data

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-166932-1
Client Project/Site: Mr C's Site #915157

For:
New York State D.E.C.
625 Broadway
11th Floor
Albany, New York 12233-3256

Attn: Mr. Payson Long



Authorized for release by:
3/10/2020 7:48:11 AM

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

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www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Orlette Johnson
Senior Project Manager
3/10/2020 7:48:11 AM

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Definitions/Glossary

Client: New York State D.E.C.
Project/Site: Mr C's Site #915157

Job ID: 480-166932-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: New York State D.E.C.
Project/Site: Mr C's Site #915157

Job ID: 480-166932-1

Job ID: 480-166932-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-166932-1

Receipt

The samples were received on 3/3/2020 12:20 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.8° C.

GC/MS VOA

Method 8260C: The following samples was diluted to bring the concentration of target analytes within the calibration range: INFLUENT (480-166932-2). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry

Methods SM 4500 H+ B: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following samples has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: EFFLUENT (480-166932-1) and INFLUENT (480-166932-2).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: New York State D.E.C.
Project/Site: Mr C's Site #915157

Job ID: 480-166932-1

Client Sample ID: EFFLUENT

Lab Sample ID: 480-166932-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	154		0.50	0.10	mg/L	1		200.7 Rev 4.4	Total/NA
Magnesium	25.9		0.20	0.043	mg/L	1		200.7 Rev 4.4	Total/NA
Hardness as calcium carbonate	492		0.50	0.10	mg/L	1		SM 2340B	Total/NA
pH	8.3	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA
Temperature	20.2	HF	0.001	0.001	Degrees C	1		SM 4500 H+ B	Total/NA

Client Sample ID: INFLUENT

Lab Sample ID: 480-166932-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1800		20	16	ug/L	20		8260C	Total/NA
Methyl tert-butyl ether	7.7	J	20	3.2	ug/L	20		8260C	Total/NA
Tetrachloroethene	2000		20	7.2	ug/L	20		8260C	Total/NA
Trichloroethene	300		20	9.2	ug/L	20		8260C	Total/NA
Vinyl chloride	160		20	18	ug/L	20		8260C	Total/NA
Calcium	151		0.50	0.10	mg/L	1		200.7 Rev 4.4	Total/NA
Magnesium	25.3		0.20	0.043	mg/L	1		200.7 Rev 4.4	Total/NA
Hardness as calcium carbonate	480		0.50	0.10	mg/L	1		SM 2340B	Total/NA
pH	7.5	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA
Temperature	20.3	HF	0.001	0.001	Degrees C	1		SM 4500 H+ B	Total/NA

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-166932-3

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Mr C's Site #915157

Job ID: 480-166932-1

Client Sample ID: EFFLUENT

Lab Sample ID: 480-166932-1

Date Collected: 03/02/20 11:10

Matrix: Water

Date Received: 03/03/20 12:20

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/06/20 02:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/06/20 02:47	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/06/20 02:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/06/20 02:47	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/06/20 02:47	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/06/20 02:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/06/20 02:47	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/06/20 02:47	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/06/20 02:47	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/06/20 02:47	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/06/20 02:47	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/06/20 02:47	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/06/20 02:47	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/06/20 02:47	1
2-Hexanone	ND		5.0	1.2	ug/L			03/06/20 02:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/06/20 02:47	1
Acetone	ND		10	3.0	ug/L			03/06/20 02:47	1
Benzene	ND		1.0	0.41	ug/L			03/06/20 02:47	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/06/20 02:47	1
Bromoform	ND		1.0	0.26	ug/L			03/06/20 02:47	1
Bromomethane	ND		1.0	0.69	ug/L			03/06/20 02:47	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/06/20 02:47	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/06/20 02:47	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/06/20 02:47	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/06/20 02:47	1
Chloroethane	ND		1.0	0.32	ug/L			03/06/20 02:47	1
Chloroform	ND		1.0	0.34	ug/L			03/06/20 02:47	1
Chloromethane	ND		1.0	0.35	ug/L			03/06/20 02:47	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/06/20 02:47	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/06/20 02:47	1
Cyclohexane	ND		1.0	0.18	ug/L			03/06/20 02:47	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/06/20 02:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/06/20 02:47	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/06/20 02:47	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/06/20 02:47	1
Methyl acetate	ND		2.5	1.3	ug/L			03/06/20 02:47	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/06/20 02:47	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/06/20 02:47	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/06/20 02:47	1
Styrene	ND		1.0	0.73	ug/L			03/06/20 02:47	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/06/20 02:47	1
Toluene	ND		1.0	0.51	ug/L			03/06/20 02:47	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/06/20 02:47	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/06/20 02:47	1
Trichloroethene	ND		1.0	0.46	ug/L			03/06/20 02:47	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/06/20 02:47	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/06/20 02:47	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/06/20 02:47	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Mr C's Site #915157

Job ID: 480-166932-1

Client Sample ID: EFFLUENT

Date Collected: 03/02/20 11:10

Date Received: 03/03/20 12:20

Lab Sample ID: 480-166932-1

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		80 - 120		03/06/20 02:47	1
1,2-Dichloroethane-d4 (Surr)	95		77 - 120		03/06/20 02:47	1
4-Bromofluorobenzene (Surr)	95		73 - 120		03/06/20 02:47	1
Dibromofluoromethane (Surr)	95		75 - 123		03/06/20 02:47	1

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	154		0.50	0.10	mg/L		03/05/20 10:57	03/05/20 19:03	1
Magnesium	25.9		0.20	0.043	mg/L		03/05/20 10:57	03/05/20 19:03	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	492		0.50	0.10	mg/L			03/06/20 17:02	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.3	HF	0.1	0.1	SU			03/05/20 19:51	1
Temperature	20.2	HF	0.001	0.001	Degrees C			03/05/20 19:51	1

Client Sample ID: INFLUENT

Date Collected: 03/02/20 11:30

Date Received: 03/03/20 12:20

Lab Sample ID: 480-166932-2

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			03/06/20 03:10	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			03/06/20 03:10	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			03/06/20 03:10	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			03/06/20 03:10	20
1,1-Dichloroethane	ND		20	7.6	ug/L			03/06/20 03:10	20
1,1-Dichloroethene	ND		20	5.8	ug/L			03/06/20 03:10	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			03/06/20 03:10	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			03/06/20 03:10	20
1,2-Dichlorobenzene	ND		20	16	ug/L			03/06/20 03:10	20
1,2-Dichloroethane	ND		20	4.2	ug/L			03/06/20 03:10	20
1,2-Dichloropropane	ND		20	14	ug/L			03/06/20 03:10	20
1,3-Dichlorobenzene	ND		20	16	ug/L			03/06/20 03:10	20
1,4-Dichlorobenzene	ND		20	17	ug/L			03/06/20 03:10	20
2-Butanone (MEK)	ND		200	26	ug/L			03/06/20 03:10	20
2-Hexanone	ND		100	25	ug/L			03/06/20 03:10	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			03/06/20 03:10	20
Acetone	ND		200	60	ug/L			03/06/20 03:10	20
Benzene	ND		20	8.2	ug/L			03/06/20 03:10	20
Bromodichloromethane	ND		20	7.8	ug/L			03/06/20 03:10	20
Bromoform	ND		20	5.2	ug/L			03/06/20 03:10	20
Bromomethane	ND		20	14	ug/L			03/06/20 03:10	20
Carbon disulfide	ND		20	3.8	ug/L			03/06/20 03:10	20
Carbon tetrachloride	ND		20	5.4	ug/L			03/06/20 03:10	20
Chlorobenzene	ND		20	15	ug/L			03/06/20 03:10	20
Dibromochloromethane	ND		20	6.4	ug/L			03/06/20 03:10	20
Chloroethane	ND		20	6.4	ug/L			03/06/20 03:10	20

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Mr C's Site #915157

Job ID: 480-166932-1

Client Sample ID: INFLUENT

Lab Sample ID: 480-166932-2

Date Collected: 03/02/20 11:30

Matrix: Water

Date Received: 03/03/20 12:20

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		20	6.8	ug/L			03/06/20 03:10	20
Chloromethane	ND		20	7.0	ug/L			03/06/20 03:10	20
cis-1,2-Dichloroethene	1800		20	16	ug/L			03/06/20 03:10	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			03/06/20 03:10	20
Cyclohexane	ND		20	3.6	ug/L			03/06/20 03:10	20
Dichlorodifluoromethane	ND		20	14	ug/L			03/06/20 03:10	20
Ethylbenzene	ND		20	15	ug/L			03/06/20 03:10	20
1,2-Dibromoethane	ND		20	15	ug/L			03/06/20 03:10	20
Isopropylbenzene	ND		20	16	ug/L			03/06/20 03:10	20
Methyl acetate	ND		50	26	ug/L			03/06/20 03:10	20
Methyl tert-butyl ether	7.7	J	20	3.2	ug/L			03/06/20 03:10	20
Methylcyclohexane	ND		20	3.2	ug/L			03/06/20 03:10	20
Methylene Chloride	ND		20	8.8	ug/L			03/06/20 03:10	20
Styrene	ND		20	15	ug/L			03/06/20 03:10	20
Tetrachloroethene	2000		20	7.2	ug/L			03/06/20 03:10	20
Toluene	ND		20	10	ug/L			03/06/20 03:10	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			03/06/20 03:10	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			03/06/20 03:10	20
Trichloroethene	300		20	9.2	ug/L			03/06/20 03:10	20
Trichlorofluoromethane	ND		20	18	ug/L			03/06/20 03:10	20
Vinyl chloride	160		20	18	ug/L			03/06/20 03:10	20
Xylenes, Total	ND		40	13	ug/L			03/06/20 03:10	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		80 - 120		03/06/20 03:10	20
1,2-Dichloroethane-d4 (Surr)	95		77 - 120		03/06/20 03:10	20
4-Bromofluorobenzene (Surr)	96		73 - 120		03/06/20 03:10	20
Dibromofluoromethane (Surr)	95		75 - 123		03/06/20 03:10	20

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	151		0.50	0.10	mg/L		03/05/20 10:57	03/05/20 19:34	1
Magnesium	25.3		0.20	0.043	mg/L		03/05/20 10:57	03/05/20 19:34	1

Method: SM 2340B - Total Hardness (as CaCO3) by calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	480		0.50	0.10	mg/L			03/06/20 17:02	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.5	HF	0.1	0.1	SU			03/05/20 19:54	1
Temperature	20.3	HF	0.001	0.001	Degrees C			03/05/20 19:54	1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-166932-3

Date Collected: 03/02/20 08:00

Matrix: Water

Date Received: 03/03/20 12:20

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/06/20 03:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/06/20 03:33	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Mr C's Site #915157

Job ID: 480-166932-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-166932-3

Date Collected: 03/02/20 08:00

Matrix: Water

Date Received: 03/03/20 12:20

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/06/20 03:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/06/20 03:33	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/06/20 03:33	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/06/20 03:33	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/06/20 03:33	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/06/20 03:33	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/06/20 03:33	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/06/20 03:33	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/06/20 03:33	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/06/20 03:33	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/06/20 03:33	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/06/20 03:33	1
2-Hexanone	ND		5.0	1.2	ug/L			03/06/20 03:33	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/06/20 03:33	1
Acetone	ND		10	3.0	ug/L			03/06/20 03:33	1
Benzene	ND		1.0	0.41	ug/L			03/06/20 03:33	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/06/20 03:33	1
Bromoform	ND		1.0	0.26	ug/L			03/06/20 03:33	1
Bromomethane	ND		1.0	0.69	ug/L			03/06/20 03:33	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/06/20 03:33	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/06/20 03:33	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/06/20 03:33	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/06/20 03:33	1
Chloroethane	ND		1.0	0.32	ug/L			03/06/20 03:33	1
Chloroform	ND		1.0	0.34	ug/L			03/06/20 03:33	1
Chloromethane	ND		1.0	0.35	ug/L			03/06/20 03:33	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/06/20 03:33	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/06/20 03:33	1
Cyclohexane	ND		1.0	0.18	ug/L			03/06/20 03:33	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/06/20 03:33	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/06/20 03:33	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/06/20 03:33	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/06/20 03:33	1
Methyl acetate	ND		2.5	1.3	ug/L			03/06/20 03:33	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/06/20 03:33	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/06/20 03:33	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/06/20 03:33	1
Styrene	ND		1.0	0.73	ug/L			03/06/20 03:33	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/06/20 03:33	1
Toluene	ND		1.0	0.51	ug/L			03/06/20 03:33	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/06/20 03:33	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/06/20 03:33	1
Trichloroethene	ND		1.0	0.46	ug/L			03/06/20 03:33	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/06/20 03:33	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/06/20 03:33	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/06/20 03:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120		03/06/20 03:33	1
1,2-Dichloroethane-d4 (Surr)	94		77 - 120		03/06/20 03:33	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: New York State D.E.C.
Project/Site: Mr C's Site #915157

Job ID: 480-166932-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-166932-3

Date Collected: 03/02/20 08:00

Matrix: Water

Date Received: 03/03/20 12:20

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
4-Bromofluorobenzene (Surr)	94		73 - 120		03/06/20 03:33	1
Dibromofluoromethane (Surr)	95		75 - 123		03/06/20 03:33	1

Surrogate Summary

Client: New York State D.E.C.
Project/Site: Mr C's Site #915157

Job ID: 480-166932-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	TOL (80-120)	DCA (77-120)	BFB (73-120)	DBFM (75-123)
480-166932-1	EFFLUENT	101	95	95	95
480-166932-2	INFLUENT	101	95	96	95
480-166932-3	TRIP BLANK	100	94	94	95
LCS 480-520259/5	Lab Control Sample	102	92	97	94
MB 480-520259/7	Method Blank	101	94	96	94

Surrogate Legend

TOL = Toluene-d8 (Surr)

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

QC Sample Results

Client: New York State D.E.C.
Project/Site: Mr C's Site #915157

Job ID: 480-166932-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-520259/7

Matrix: Water

Analysis Batch: 520259

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/05/20 22:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/05/20 22:52	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/05/20 22:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/05/20 22:52	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/05/20 22:52	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/05/20 22:52	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/05/20 22:52	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/05/20 22:52	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/05/20 22:52	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/05/20 22:52	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/05/20 22:52	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/05/20 22:52	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/05/20 22:52	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/05/20 22:52	1
2-Hexanone	ND		5.0	1.2	ug/L			03/05/20 22:52	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/05/20 22:52	1
Acetone	ND		10	3.0	ug/L			03/05/20 22:52	1
Benzene	ND		1.0	0.41	ug/L			03/05/20 22:52	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/05/20 22:52	1
Bromoform	ND		1.0	0.26	ug/L			03/05/20 22:52	1
Bromomethane	ND		1.0	0.69	ug/L			03/05/20 22:52	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/05/20 22:52	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/05/20 22:52	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/05/20 22:52	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/05/20 22:52	1
Chloroethane	ND		1.0	0.32	ug/L			03/05/20 22:52	1
Chloroform	ND		1.0	0.34	ug/L			03/05/20 22:52	1
Chloromethane	ND		1.0	0.35	ug/L			03/05/20 22:52	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/05/20 22:52	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/05/20 22:52	1
Cyclohexane	ND		1.0	0.18	ug/L			03/05/20 22:52	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/05/20 22:52	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/05/20 22:52	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/05/20 22:52	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/05/20 22:52	1
Methyl acetate	ND		2.5	1.3	ug/L			03/05/20 22:52	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/05/20 22:52	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/05/20 22:52	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/05/20 22:52	1
Styrene	ND		1.0	0.73	ug/L			03/05/20 22:52	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/05/20 22:52	1
Toluene	ND		1.0	0.51	ug/L			03/05/20 22:52	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/05/20 22:52	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/05/20 22:52	1
Trichloroethene	ND		1.0	0.46	ug/L			03/05/20 22:52	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/05/20 22:52	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/05/20 22:52	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/05/20 22:52	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Mr C's Site #915157

Job ID: 480-166932-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-520259/7

Matrix: Water

Analysis Batch: 520259

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		80 - 120		03/05/20 22:52	1
1,2-Dichloroethane-d4 (Surr)	94		77 - 120		03/05/20 22:52	1
4-Bromofluorobenzene (Surr)	96		73 - 120		03/05/20 22:52	1
Dibromofluoromethane (Surr)	94		75 - 123		03/05/20 22:52	1

Lab Sample ID: LCS 480-520259/5

Matrix: Water

Analysis Batch: 520259

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	23.6		ug/L		94	73 - 126
1,1,2,2-Tetrachloroethane	25.0	26.8		ug/L		107	76 - 120
1,1,2-Trichloroethane	25.0	26.2		ug/L		105	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	27.8		ug/L		111	61 - 148
1,1-Dichloroethane	25.0	24.9		ug/L		100	77 - 120
1,1-Dichloroethene	25.0	25.6		ug/L		102	66 - 127
1,2,4-Trichlorobenzene	25.0	25.7		ug/L		103	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	23.4		ug/L		93	56 - 134
1,2-Dichlorobenzene	25.0	25.3		ug/L		101	80 - 124
1,2-Dichloroethane	25.0	20.7		ug/L		83	75 - 120
1,2-Dichloropropane	25.0	26.6		ug/L		106	76 - 120
1,3-Dichlorobenzene	25.0	25.5		ug/L		102	77 - 120
1,4-Dichlorobenzene	25.0	25.0		ug/L		100	80 - 120
2-Butanone (MEK)	125	110		ug/L		88	57 - 140
2-Hexanone	125	121		ug/L		97	65 - 127
4-Methyl-2-pentanone (MIBK)	125	120		ug/L		96	71 - 125
Acetone	125	104		ug/L		83	56 - 142
Benzene	25.0	26.3		ug/L		105	71 - 124
Bromodichloromethane	25.0	23.3		ug/L		93	80 - 122
Bromoform	25.0	23.2		ug/L		93	61 - 132
Bromomethane	25.0	22.5		ug/L		90	55 - 144
Carbon disulfide	25.0	26.1		ug/L		104	59 - 134
Carbon tetrachloride	25.0	23.4		ug/L		94	72 - 134
Chlorobenzene	25.0	25.3		ug/L		101	80 - 120
Dibromochloromethane	25.0	23.3		ug/L		93	75 - 125
Chloroethane	25.0	21.1		ug/L		84	69 - 136
Chloroform	25.0	23.0		ug/L		92	73 - 127
Chloromethane	25.0	22.1		ug/L		88	68 - 124
cis-1,2-Dichloroethene	25.0	25.2		ug/L		101	74 - 124
cis-1,3-Dichloropropene	25.0	25.3		ug/L		101	74 - 124
Cyclohexane	25.0	29.7		ug/L		119	59 - 135
Dichlorodifluoromethane	25.0	22.6		ug/L		90	59 - 135
Ethylbenzene	25.0	25.8		ug/L		103	77 - 123
1,2-Dibromoethane	25.0	24.6		ug/L		98	77 - 120
Isopropylbenzene	25.0	26.6		ug/L		106	77 - 122
Methyl acetate	50.0	48.1		ug/L		96	74 - 133
Methyl tert-butyl ether	25.0	23.0		ug/L		92	77 - 120
Methylcyclohexane	25.0	29.8		ug/L		119	68 - 134

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Mr C's Site #915157

Job ID: 480-166932-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-520259/5

Matrix: Water

Analysis Batch: 520259

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	25.0	26.0		ug/L		104	75 - 124
Styrene	25.0	25.7		ug/L		103	80 - 120
Tetrachloroethene	25.0	25.4		ug/L		102	74 - 122
Toluene	25.0	25.9		ug/L		103	80 - 122
trans-1,2-Dichloroethene	25.0	25.5		ug/L		102	73 - 127
trans-1,3-Dichloropropene	25.0	24.9		ug/L		99	80 - 120
Trichloroethene	25.0	24.9		ug/L		100	74 - 123
Trichlorofluoromethane	25.0	24.0		ug/L		96	62 - 150
Vinyl chloride	25.0	24.2		ug/L		97	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	102		80 - 120
1,2-Dichloroethane-d4 (Surr)	92		77 - 120
4-Bromofluorobenzene (Surr)	97		73 - 120
Dibromofluoromethane (Surr)	94		75 - 123

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 480-520074/1-A

Matrix: Water

Analysis Batch: 520322

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 520074

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		0.50	0.10	mg/L		03/05/20 10:57	03/05/20 18:56	1
Magnesium	ND		0.20	0.043	mg/L		03/05/20 10:57	03/05/20 18:56	1

Lab Sample ID: LCS 480-520074/2-A

Matrix: Water

Analysis Batch: 520322

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 520074

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium	10.0	9.64		mg/L		96	85 - 115
Magnesium	10.0	9.77		mg/L		98	85 - 115

Lab Sample ID: 480-166932-1 MS

Matrix: Water

Analysis Batch: 520322

Client Sample ID: EFFLUENT

Prep Type: Total/NA

Prep Batch: 520074

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium	154		10.0	160.3	4	mg/L		61	70 - 130
Magnesium	25.9		10.0	34.75		mg/L		88	70 - 130

Lab Sample ID: 480-166932-1 MSD

Matrix: Water

Analysis Batch: 520322

Client Sample ID: EFFLUENT

Prep Type: Total/NA

Prep Batch: 520074

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Calcium	154		10.0	166.2	4	mg/L		120	70 - 130	4	20
Magnesium	25.9		10.0	35.82		mg/L		99	70 - 130	3	20

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: New York State D.E.C.
Project/Site: Mr C's Site #915157

Job ID: 480-166932-1

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 480-520262/45
Matrix: Water
Analysis Batch: 520262

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
pH	7.00	7.1		SU		101	99 - 101

QC Association Summary

Client: New York State D.E.C.
Project/Site: Mr C's Site #915157

Job ID: 480-166932-1

GC/MS VOA

Analysis Batch: 520259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-166932-1	EFFLUENT	Total/NA	Water	8260C	
480-166932-2	INFLUENT	Total/NA	Water	8260C	
480-166932-3	TRIP BLANK	Total/NA	Water	8260C	
MB 480-520259/7	Method Blank	Total/NA	Water	8260C	
LCS 480-520259/5	Lab Control Sample	Total/NA	Water	8260C	

Metals

Prep Batch: 520074

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-166932-1	EFFLUENT	Total/NA	Water	200.7	
480-166932-2	INFLUENT	Total/NA	Water	200.7	
MB 480-520074/1-A	Method Blank	Total/NA	Water	200.7	
LCS 480-520074/2-A	Lab Control Sample	Total/NA	Water	200.7	
480-166932-1 MS	EFFLUENT	Total/NA	Water	200.7	
480-166932-1 MSD	EFFLUENT	Total/NA	Water	200.7	

Analysis Batch: 520322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-166932-1	EFFLUENT	Total/NA	Water	200.7 Rev 4.4	520074
480-166932-2	INFLUENT	Total/NA	Water	200.7 Rev 4.4	520074
MB 480-520074/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	520074
LCS 480-520074/2-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	520074
480-166932-1 MS	EFFLUENT	Total/NA	Water	200.7 Rev 4.4	520074
480-166932-1 MSD	EFFLUENT	Total/NA	Water	200.7 Rev 4.4	520074

Analysis Batch: 520415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-166932-1	EFFLUENT	Total/NA	Water	SM 2340B	
480-166932-2	INFLUENT	Total/NA	Water	SM 2340B	

General Chemistry

Analysis Batch: 520262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-166932-1	EFFLUENT	Total/NA	Water	SM 4500 H+ B	
480-166932-2	INFLUENT	Total/NA	Water	SM 4500 H+ B	
LCS 480-520262/45	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Mr C's Site #915157

Job ID: 480-166932-1

Client Sample ID: EFFLUENT

Lab Sample ID: 480-166932-1

Date Collected: 03/02/20 11:10

Matrix: Water

Date Received: 03/03/20 12:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	520259	03/06/20 02:47	OMI	TAL BUF
Total/NA	Prep	200.7			520074	03/05/20 10:57	NSW	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	520322	03/05/20 19:03	AMH	TAL BUF
Total/NA	Analysis	SM 2340B		1	520415	03/06/20 17:02	JJP	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	520262	03/05/20 19:51	BEF	TAL BUF

Client Sample ID: INFLUENT

Lab Sample ID: 480-166932-2

Date Collected: 03/02/20 11:30

Matrix: Water

Date Received: 03/03/20 12:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	520259	03/06/20 03:10	OMI	TAL BUF
Total/NA	Prep	200.7			520074	03/05/20 10:57	NSW	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	520322	03/05/20 19:34	AMH	TAL BUF
Total/NA	Analysis	SM 2340B		1	520415	03/06/20 17:02	JJP	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	520262	03/05/20 19:54	BEF	TAL BUF

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-166932-3

Date Collected: 03/02/20 08:00

Matrix: Water

Date Received: 03/03/20 12:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	520259	03/06/20 03:33	OMI	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: New York State D.E.C.
Project/Site: Mr C's Site #915157

Job ID: 480-166932-1

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM 4500 H+ B		Water	pH
SM 4500 H+ B		Water	Temperature

Method Summary

Client: New York State D.E.C.
Project/Site: Mr C's Site #915157

Job ID: 480-166932-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
200.7 Rev 4.4	Metals (ICP)	EPA	TAL BUF
SM 2340B	Total Hardness (as CaCO3) by calculation	SM	TAL BUF
SM 4500 H+ B	pH	SM	TAL BUF
200.7	Preparation, Total Metals	EPA	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

SM = "Standard Methods For The Examination Of Water And Wastewater"

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: New York State D.E.C.
Project/Site: Mr C's Site #915157

Job ID: 480-166932-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-166932-1	EFFLUENT	Water	03/02/20 11:10	03/03/20 12:20	
480-166932-2	INFLUENT	Water	03/02/20 11:30	03/03/20 12:20	
480-166932-3	TRIP BLANK	Water	03/02/20 08:00	03/03/20 12:20	



CHAIN OF CUSTODY

Client: New York State Dept. of
Environmental Conservation

PAGE 0F

FED-EX Tracking #	Bottle Order Control #
Lab Quote #	Lab Job #

CLIENT/REPORTING INFORMATION				PROJECT INFORMATION				BILLING INFORMATION				REQUESTED ANALYSIS (see Test Code sheet)				LAB USE ONLY			
Groundwater & Environmental Services, Inc. 415 Lawrence Bell Drive, Williamsville, NY 14221 Project Manager: Thomas Palmer Phone #: 800-287-7857 fax: 866-902-2187 Email: NERegion@gesonline.com				Project Name: NYSDEC/East Aurora/NY/MainSt/586 Project Address: 586 Main St, East Aurora, NY Project #: 901733/05/220 Sampler(s) Name: Brent Miller GES				NYSDEC NYSDEC PM: Payson Long Phone Number: (518) 402-9813 Email: payson.long@dec.ny.gov Lab PM: Oriette Johnson NYSDEC Site No.: 915157				number of preserved bottles HCl 3 3 3 NaOH 1 1 1 HNO3 1 1 1 H2SO4 1 1 1 NONE 1 1 1 DI Water 1 1 1 MECH 1 1 1 ENCORE 1 1 1 Amber 1 1 1				pH via 4500 Hardness via 200.7 VOCs via 8260C			
Lab Sample #	Field ID / Point of Collection (Sys Loc code)	Depth Interval (ft)	Date Sampled	Time Sampled	Sampler	Matrix	Total # Bottles												
	Effluent		3/2/2020	1110	BM	Water	5												
	Influent		3/2/2020	1130	BM	Water	5												
	Trip Blanks - Lab Prepared		3/2/2020	0800	BM	Water	2												
														480-166932 Chain of Custody					

Laboratory Information			
Turnaround Time (Business Days)	Approved By (Lab PM) / Date	Lab:	TestAmerica Buffalo
☒ Standard 14 Days		Address:	15 Hazelwood Drive, Amherst, NY
☐ 1 day RUSH		Phone:	484-685-0864
☐ Other		Lab PM:	Oriette Johnson
		Lab PM Email:	Oriette.Johnson@testamericainc.com

Please Email the EQ EDD Package to ges@equisonline.com
EQEDD Name: NYSDEC/East Aurora/NY/MainSt/586

Data Deliverable Information			
☐ Commercial 'A' (Level 1) = Results Only	☐ Commercial 'B' (Level 2) = Results + QC Summary	☐ FULLT1 (Level 3 & 4)	☐ NJ Reduced = Results + QC Summary + Partial Raw Data
☐ Commercial 'C'	☐ NJ Data of Known Quality Protocol Reporting	☐ NYASP Category A	☐ NYASP Category B
☐ State Forms	☒ NYDEC EDD	☒ EQEDD	

Sample Custody must be documented below each time samples change possession, including courier.			
Relinquished By Sampler:	Date / Time:	Received By:	Received Date / Time:
1. Brent Miller GES	1. 3/2/2020	1. GES Frig.	1. 3/2/2020 12:00
Relinquished By:	Date / Time:	Received By:	Received Date / Time:
2.	2.	2.	2.
Relinquished By:	Date / Time:	Received By:	Received Date / Time:
3.	3.	3.	3.
Custody Seal Number:	Intact	Not Intact	Cooler Temp
	☒	☐	21.8 #1

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-166932-1

Login Number: 166932

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Wallace, Cameron

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	GES
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	



Attachment B – Field OM&M Forms

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

DATE: 3-Feb-20		ACTIVITIES: Site Inspection									
INSPECTION PERSONNEL: R. Allen		OTHER PERSONNEL: -----									
WEATHER CONDITIONS: Partly cloudy, cool		OUTSIDE TEMPERATURE (° F): 39									
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: 14 ft	PW-7 ON: OFF: ☒ 3 ft									
PW-4	ON: OFF: ☒ 7 ft	PW-8 ON: OFF: ☒ 3 ft									
EQUALIZATION TANK: 4 ft		Last Alarm D/T/Condition: 1/12/2020 Air Stripper Hi Level									
NOTES: 											
INFLUENT FLOW RATE: 11 gpm		INFLUENT TOTALIZER READING: 18972220 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									
BAG FILTER PRESSURES: LEFT: <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>Top</td><td>Bottom</td></tr><tr><td>0</td><td>0</td></tr></table> psi		Top	Bottom	0	0	RIGHT: <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>Top</td><td>Bottom</td></tr><tr><td>8</td><td>0</td></tr></table> psi		Top	Bottom	8	0
Top	Bottom										
0	0										
Top	Bottom										
8	0										
INFLUENT FEED PUMP IN USE: #1 ☒ #2		INFLUENT PUMP PRESSURE: 7 psi									
AIR STRIPPER BLOWER IN USE: #1 ☒ #2		AIR STRIPPER PRESSURE: 0.3 (8.31) in. H ₂ O									
AIR STRIPPER DIFFERENTIAL PRESSURE: broken in. H ₂ O		DISCHARGE PRESSURE: 3.6 in. H ₂ O									
AIR FLOW : 1600 fpm X 1.4 = 2240 CFM		AIR SPARGER LEFT 7.0 RIGHT 3.2 CFM									
AIR TEMP: 87.4 °F											
EFFLUENT PUMP IN USE: #1 #2 ☒		EFFLUENT FEED PUMP PRESSURE: 3 psi									
EFFLUENT FLOW RATE: 60 gpm		EFFLUENT TOTALIZER READING: 85,982,872 646260 gallons									
ARE BUILDING HEATERS IN USE? YES: ☒ NO:		INSIDE TEMPERATURE (° F): 60									
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

3-Feb-20

SAMPLES COLLECTED? YES: <u> ✓ </u> NO: _____ (Performance Samples Feb 3; Treatment Room Samples Feb 6)							
	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.	
AIR STRIPPER INFLUENT:	<u> INF </u>	<u> 12:00 pm </u>	<u> 7.5 </u>	<u> 7.3 </u>	<u> 11.6 </u>	<u> 3.87 </u>	
AIR STRIPPER EFFLUENT:	<u> EFF </u>	<u> 12:00 pm </u>	<u> 8.7 </u>	<u> 8.3 </u>	<u> 12.0 </u>	<u> 3.76 </u>	

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. Many of the MWs and UEs are covered with snow or ice.

SUBSLAB SYSTEMS

TREATMENT ROOM			
MANOMETER: <u> 1.3 </u> in. WC	west	east	NOTES: <u> cfm = 0.05 x fpm (3" PVC) </u>
(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.

Air Stripper has moisture on southwest corner of upper trays.

Other Actions: MPI-5S - damage by a snowplow. IAE said called their maintenance person to temporarily fill the well inner ring with cold patch asphalt or gravel.

Changed bag filters.

Shovelled snow in front of the Treatment Room. Mixed a new batch of Redux Solution; (1) Redux; (2) Water.

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: <u>24-Feb-20</u>		ACTIVITIES: <u>Site Inspection</u>									
INSPECTION PERSONNEL: <u>R. Allen</u>		OTHER PERSONNEL: <u>E&E, Inc, GES</u>									
WEATHER CONDITIONS: <u>Partly cloudy, cool</u>		OUTSIDE TEMPERATURE (° F): <u>45</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 on 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>6</u> ft								
PW-2	ON: _____	OFF: <u>✓</u> <u>11</u> ft	PW-6 ON: <u>✓</u> OFF: _____ <u>7</u> ft								
PW-3	ON: <u>✓</u>	OFF: _____ <u>12</u> ft	PW-7 ON: _____ OFF: <u>✓</u> <u>5</u> ft								
PW-4	ON: _____	OFF: <u>✓</u> <u>6</u> ft	PW-8 ON: _____ OFF: <u>✓</u> <u>5</u> ft								
EQUALIZATION TANK: <u>4</u> ft		Last Alarm D/T/Condition: <u>1/12/2020 Air Stripper High Level</u>									
NOTES: _____											
INFLUENT FLOW RATE: <u>14</u> gpm		INFLUENT TOTALIZER READING: <u>19102026</u> gallons									
SEQUESTERING AGENT DRUM LEVEL: <u>14</u> inches		(x 1.7=) AMOUNT OF AGENT REMAINING: <u>24</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>8</u></td><td><u>0</u></td></tr></table> psi		Top	Bottom	<u>8</u>	<u>0</u>
Top	Bottom										
<u>0</u>	<u>0</u>										
Top	Bottom										
<u>8</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>0.5 (1385)</u> in. H ₂ O									
AIR STRIPPER DIFFERENTIAL PRESSURE: <u>broken</u> in. H ₂ O		DISCHARGE PRESSURE: <u>3.7</u> in. H ₂ O									
AIR FLOW: <u>1700</u> fpm X 1.4 = <u>2380</u> CFM		AIR SPARGER LEFT <u>6.8</u> RIGHT <u>3.2</u> CFM									
AIR TEMP: <u>85.2</u> °F											
EFFLUENT PUMP IN USE: #1 _____ #2 <u>✓</u>		EFFLUENT FEED PUMP PRESSURE: <u>4</u> psi									
EFFLUENT FLOW RATE: <u>89</u> gpm		EFFLUENT TOTALIZER READING: <u>86,069,625</u> 733120 gallons									
ARE BUILDING HEATERS IN USE? YES: <u>✓</u> NO: _____		INSIDE TEMPERATURE (° F): <u>63</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

24-Feb-20

SAMPLES COLLECTED? YES: <u> ✓ </u> NO: <u> </u>							
	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.	
AIR STRIPPER INFLUENT:	<u> INF </u>	<u> 1:00 pm </u>	<u> 7.5 </u>	<u> 6.9 </u>	<u> 11.5 </u>	<u> 3.24 </u>	
AIR STRIPPER EFFLUENT:	<u> EFF </u>	<u> 1:00 pm </u>	<u> 8.8 </u>	<u> 7.4 </u>	<u> 14.0 </u>	<u> 3.41 </u>	

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. Many of the MWs and UEs are covered with snow.

SUBSLAB SYSTEMS

TREATMENT ROOM			
MANOMETER: <u> 1.3 </u> in. WC	west	east	NOTES: <u> cfm = 0.05 x fpm (3" PVC) </u>
(Fan Inlet)	FLOW (fpm): <u> </u>	<u> </u>	<u> </u>
CONDENSATE <u> 2.0 </u> gallon	FLOW (cfm): <u> </u>	<u> </u>	<u> </u>
DRAINED Yes	VACUUM GAUGE (in WC) <u> </u>		

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: Met with E&E, Inc. and GES to brief them about taking over the Mr Cs OM&M .

Poured decanted bag filter change water into sump drain.

Moved IEG equipment out of Treatment Room to IEG Shed.

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

Mr. C's CLEANERS OM&M

SUMMARY OF FIELD ACTIVITIES BY IEG - Feb 2020

DATE	ACTIVITY
1-Feb-20	OM&M office work. End of month Expenses.
2-Feb-20	OM&M Office work. End of Month Summaries.
3-Feb-20	OM&M Weekly Inspection. Took Performance Samples. Got Supplies.
4-Feb-20	Responded to IA, Inc. call about damage to MPI-5S. Met with T. Nason about temporary fix.
5-Feb-20	Changed Bag Filters.
6-Feb-20	Shovelled snow in front of Treatment Room. Took Treatment Room Samples. Mixed new batch of Redux Solution. Got Supplies.
7-Feb-20	Checked MPI-5S. Checked System.
10-Feb-20	OM&M Weekly Inspection. Shovelled snow in front of Treatment Room.
11-Feb-20	OM&M Office Work. Made new Log Book.
13-Feb-20	Shovelled snow in front of Treatment Room. Checked System. Left contact information with owner of Country Cupboard.
24-Feb-20	OM&M Weekly Inspection. Met with E&E, Inc and GES about turning over OM&M for March. Treatment Room Sampling. Got Supplies. Moved IEG Equipment from Treatment Room to IEG Shed.
25-Feb-20	Moved IEG Equipment from Treatment Room to IEG Shed. Added hooks to IEG Shed for additional equipment storage. Poured decanted Bag Filter change water into floor sump.
28-Feb-20	OM&M office work. End of month Expenses. End of Month Summaries.

Mr. C's CLEANERS OM&M

STATUS OF FIELD ACTIVITIES BY IEG - 2/2020

ACTIVITY	DESCRIPTION	COMPLETION DATE/STATUS
Inspect and clean Manholes	Inspect manholes near operating pumps. Pump out water in manholes and clean out remaining sediment and other material.	Hold
Replace Air Stripper Latches	Around (6) latches on Air Stripper trays are loose or broken. Repaired with JB Weld. Procured new parts to replace broken latches and springs - but welding on to stainless steel frame may be difficult since unit is corroded.	Hold
South Wall to be sealed	Water can leak at South Wall of Treatment Room into neighboring unit. Created a small drainage trough parallel to wall to drain into sump. When possible, trim wall insulation matting to reduce moisture retention; and seal base of wall with silicone caulking. Limited access due to EQ tank - to be attempted in Spring.	Hold
EE-4 Paved Over	During the Aug 2016 paving of the north half of the parking lot, Piezometer EE-4 was covered. If necessary, locate piezometer and remove asphalt to expose it.	Hold
RW-1 Inner Ring is corroded through	Inner ring of road box is corroded through causing box to slowly collapse. Replace road box of RW-1. To be done if RW-1 needs to be placed back in operation or if cover sinks and causes a tripping hazard.	Hold
Cool Treatment Room	Treatment Room temperature can go above 90 degrees in summer. To increase outside air inflow into room, cut new locking position on frame so door can be closed with a 2" opening at bottom. Monitor and adjust if warranted.	Monitor
Filter Housings are corroded	Flanges that seal filter baskets inside Rosedale Filter Housings are corroded. Sediment flows around filters instead of being trapped. Replace seals in existing housings and patch as needed (short term). Replace housings (long term).	Monitor
Repair Leaking Ball Valve	Influent ball valve east of EQ Tank drips. Inspect/clean & replace if necessary.	Monitor
Reduce Influent Pump Rate	Lab Tests have shown high levels of VOCs. Try lengthening the time that the Influent Pump runs to increase the Air Sparging time inside the Air Stripper	Monitor
PW-4 UE Level	Asphalt around Underground Enclosure has sunk, and is vulnerable to damage. Bring pavement up to level with asphalt patch. Inspect and repair when warranted.	Monitor
SVE Fan pipe collects water	The SVE Fan pipe on Building 586 collects water. There is a plug just below the fan to drain water out of the horizontal section of the pipe. Inspect system and make corrections to prevent the pipe from filling with water.	Currently draining pipe weekly
Drums of Sludge and Used Filters	Have (1) drum of used bag filters and (4) drums of sludge/water from well purges and EQ Tank cleanout. Consolidated (4) drums of sludge into (2) drums. Added (3) bags of cement to the sludge during consolidation process. Dispose drums.	in progress
Effluent Meter	Clean Effluent Meter inside	in progress
Fan Shroud is broken	Shroud over fan unit of Outdoor Store is broken - it is located down alley between two buildings and is approximately 12' high.	in progress
Check SVE Fans	Check on status of subslab fan units	in progress
Leak in Redux Feed Line	A drip was discovered in the Redux Solution feed line near the Jesco Pump. Repaired leak in line.	Dec-19
Air Sparger Pump stopped working	One of the two Air Sparger Pumps experienced a diaphragm break down. Replaced with new pump. Will take old pump to be repaired.	in progress
MPI-5S is Damaged	MPI-5S was damaged by a snowplow. Let IA, Inc. know and have their maintenance personnel fill inner ring with gravel as a temporary fix. Replace inner ring when temperatures are warmer.	in progress
Move IEG Equipment out of Treatment Room	E&E, Inc is relinquishing the OM&M to GES for the month of March as per NYSDEC request. Remove all IEG Equipment and move it to the IEG Shed.	Feb-20

Mr. C's CLEANERS OM&M
SUMMARY OF WATER PUMP MAINTENANCE BY IEG - 2020

as of Feb 2020

ID	CLEAN & INSPECT PUMP	REPLACED PUMP	REPAIR PUMP	PITLESS ADAPTER	INNER RING	CLEAN & INSPECT HORIZONTAL PIPE	CHECK VALVE	CLEAN & INSPECT TRANSDUCER	REPLACE TRANSDUCER	PUMP OUT WELL	PIEZOMETERS	REPLACE ANEROID BELLOWS	CLEAN OUT & INSPECT ELECTRICAL BOX	ELECTRICAL BOX REPAIR
RW - 1	Jan 08, May 10, Jan 12, Oct 15, Oct 17	Feb 08, Jan 12	May 10, Nov 08					May 10, Jan 12, Oct 15, Oct 17			PZ-1B repaired Sep 16, Jun 19			
PW - 2	Jun 08, Aug 09, May 10, Apr 13, Sep 15, Oct 16, Oct 17	Jul 08, Apr 13 Dec 15				Sep-15		Nov 11, May 10, Apr 13 Dec 15, Oct 16, Oct 17	Sep 09, Dec 11	Aug-09			Nov-11	Sep-09
PW - 3	Jun 08, Aug 09, May 10, Sep 15, Oct 16, Oct 17	Jul 08, Dec 11, Oct 15		Repair adapter		Sep-15		Aug 09, Nov 11, Oct 15, Oct 16, Oct 17	Dec 11, Sep 15	Aug-09			Nov 11, Sep 15	
PW - 4	Dec 07, May 08, Sep 09, May 10, Jan 12, Oct 15, Oct 16, Oct 17, Oct 18, Sep 19	Dec 07, Jan 12	Sep-13		Aug 13	Oct 16, Oct 18		May 10, Nov 11, Oct 15, Oct 16, Oct 17, Oct 18, Sep 19	Dec 11, Mar 08, Sep 08	Jul 09, Sep 09	PZ-4B replaced Sep 16, PZ-4D replaced Apr 17	Oct 16	Sep 09, Nov 11, Oct 16	Sep-09
PW - 5	Jan 12, May 08, Oct 15, Nov 16, Oct 17, Oct 18, Sep 19	Jul 08, Jan 12				Nov 16, Oct 18		Mar 11, Oct 15, Nov 16, Oct 17, Oct 18, Sep 19	Jan 12, Sep 08				Jan 12, Sep 19	
PW - 6	Jun 08, Jul 09, Jul 12, Nov 12, Aug 15, Apr 17, Oct 17, Oct 18, Sep 19	Jun 08, Jul 09, Aug 12, Nov 12, Sep 15		Replaced Aug 15		Jul 12, Nov 12, Sep 15, Apr 17, Oct 18	Aug 15	Aug 09, Jul 12, Dec 12, Apr 13, Aug 15, Apr 17, Oct 17, Dec 17, Oct 18, Sep 19	Sep 09, Sep 15, Jan 18	Aug-09	PZ-6A, PZ-6C repaired Sep 16	Aug 15	Aug 09, Sep 09, Sep 15	Jul 09, Sep 09
PW - 7	Jun 08, Jul 09, May 10, Oct 10, Aug 11, Mar 12, Jul 12, Nov 12, Aug 15, Nov 11, Oct 17, Oct 18, Sep 19	Nov 07, Jul 09, Oct 10, Nov 12		Replaced Aug 15		Jul 12, Nov 12, Nov 16, Oct 18	Aug 15	Oct 10, Aug 11, Mar 12, Jul 12, Dec 12, Aug 15, Nov 16, Oct 17, Oct 18, Sep 19		Aug 09, May 10, Aug 11	PZ-7D clean out product			
PW - 8	Jun 08, Aug 09, May 10, Aug 11, Jul 12, Dec 12, Aug 15, Apr 17, Oct 17, Oct 18, Sep 19	Jul 08, Sep 09, Aug 11, Dec 12		Replaced Aug 15		Pipe Aug 09, Jul 12, Sep 15, Apr 17, Oct 18	Aug 15	May 10, Aug 11, Jul 12, Dec 12, Apr 13, Aug 15, Apr 17, Oct 17, Oct 18, Sep 19		Aug 09, May 10, Aug 11		Aug 15	Apr 13, Aug 15	Apr-13

Mr. C's CLEANERS OM&M
SUMMARY OF WATER PUMP STATUS - 2020

as of Feb 2019

ID	NEEDS CLEANING & INSPECTION	NEED S NEW PUMP	NEEDS NEW INNER RING	NEEDS P.A. OR PIPE	NEEDS WELL CLEAN-OUT	PITLESS ADAPTER	NEEDS HORIZONTAL LINE PURGE	NEEDS CHECK VALVE INSPECTION	NEEDS TRANSDUCE R INSPECTION	NEEDS NEW TRANSDUCE R	PIEZOMETERS	NEEDS ANEROID BELLOWS	NEEDS U.E. CLEANE D	NEEDS U.E. REPAIR
RW-1	NO	NO	YES		NO		NO		NO	NO		NO	NO	YES - bolts
PW-2	NO	NO	NO		NO		NO		NO	NO		NO	NO	YES - bolts
PW-3	NO	NO	NO		NO		NO		NO	NO	PZ-3D is buried under gravel	NO	NO	NO
PW-4	NO	NO	NO		NO		NO		NO	NO		NO	NO	YES - Asphalt patch
PW-5	NO	NO	NO		NO		NO		NO	NO		NO	NO	NO
PW-6	NO	NO	NO		NO		NO		NO	NO	PZ-6A and PZ-6C are damaged	NO	NO	DONE
PW-7	NO	NO	NO		NO		NO		NO	NO		NO	NO	NO
PW-8	NO	NO	NO		NO		NO		NO	NO		NO	NO	NO

3/2/2020 0945 Brent Miller 46°F Cloudy w/ Rain Showers.

- on-site wkly OBM - Monthly System Samples.
- first OBM visit for GES and myself.
- System is up and Running and looks to be ok.
- Perform/fill out Wkly OBM sheets
- Collect Monthly Samples

- Effluent Sample	1110	PH. 8.56	Turb 0.48	Temp. 14.9°C	^{MS} _{cm} SP. Cond.	3.420
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- Influent Sample	1130	PH 7.77	14.40	12.2		3.393
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- Trip Blank 0800

- Finish OBM

- Clean up Tools & Equipment - Secure site

- 1215 - OFF SITE.

(BM)

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

DATE: <u>3/2/2020</u>		ACTIVITIES: <u>Wkly O&M</u>									
INSPECTION PERSONNEL: <u>Brent Miller</u>		OTHER PERSONNEL: _____									
WEATHER CONDITIONS: <u>46°F Cloudy w/ Rain Showers</u>		OUTSIDE TEMPERATURE (°F): <u>46°F</u>									
ARE WELL PUMPS OPERATING IN AUTO: YES: <u>X</u> NO: _____ If "NO", provide explanation below <u>RW-1, PW-2, PW-3 - Turned off.</u>											
PROVIDE WATER LEVEL READINGS ON CONTROL PANEL											
RW-1	ON: _____	OFF: <u>X</u> <u>14</u> ft	PW-5 ON: <u>X</u> OFF: _____ <u>7</u> ft								
PW-2	ON: _____	OFF: <u>X</u> <u>11</u> ft	PW-6 ON: <u>X</u> OFF: _____ <u>4</u> ft								
PW-3	ON: _____	OFF: <u>X</u> <u>12</u> ft	PW-7 ON: <u>X</u> OFF: _____ <u>4</u> ft								
PW-4	ON: <u>X</u>	OFF: _____ <u>4</u> ft	PW-8 ON: <u>X</u> OFF: _____ <u>4</u> ft								
EQUALIZATION TANK: <u>3</u> ft		Last Alarm D/T/Condition: <u>1/12/2020 0517 Air Stripper High level</u>									
NOTES: _____											
INFLUENT FLOW RATE: <u>16.80</u> gpm		INFLUENT TOTALIZER READING: <u>19144733</u> gallons									
SEQUESTERING AGENT DRUM LEVEL: <u>5.25</u> inches		(x 1.7=) AMOUNT OF AGENT REMAINING: <u>8.925</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 align="center">Top</td> <td align="center">Bottom</td> <td align="center">Top</td> <td align="center">Bottom</td> </tr> <tr> <td>LEFT: <u>0</u></td> <td><u>0</u> psi</td> <td>RIGHT: <u>8</u></td> <td><u>0</u> psi</td> </tr> </table>		Top	Bottom	Top	Bottom	LEFT: <u>0</u>	<u>0</u> psi	RIGHT: <u>8</u>	<u>0</u> psi
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>Yes</u> #2 <u>NO</u>		INFLUENT PUMP PRESSURE: <u>7</u> psi									
AIR STRIPPER BLOWER IN USE: #1 <u>Yes</u> #2 <u>NO</u>		AIR STRIPPER PRESSURE: <u>0.6</u> in. H ₂ O									
AIR STRIPPER DIFFERENTIAL PRESSURE: <u>-</u> in. H ₂ O		DISCHARGE PRESSURE: <u>3</u> in. H ₂ O									
EFFLUENT PUMP IN USE: #1 <u>Yes</u> #2 <u>NO</u>		EFFLUENT FEED PUMP PRESSURE: <u>4</u> psi									
EFFLUENT FLOW RATE: <u>45</u> gpm		EFFLUENT TOTALIZER READING: <u>86,099,009</u> - gallons									
ARE BUILDING HEATERS IN USE? YES: <u>X</u> NO: _____		INSIDE TEMPERATURE (°F): <u>65°F</u>									
IS SUMP PUMP IN USE: YES: <u>X</u> NO: _____		ARE ANY LEAKS PRESENT? YES: _____ NO: <u>X</u>									
WATER LEVEL IN SUMP: <u>1/2 full</u>		TREATMENT BUILDING CLEAN & ORGANIZED? YES: <u>X</u> NO: _____									

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

SAMPLES COLLECTED? YES: <u>X</u> NO: _____							
	Sample ID	Time of Sampling	pH	Turbidity	Temp. °C	Sp. Cond. $\frac{MS}{CM}$	
AIR STRIPPER INFLUENT:	_____	<u>1/30</u>	<u>7.77</u>	<u>164.40</u>	<u>12.2</u>	<u>3.393</u>	
AIR STRIPPER EFFLUENT:	_____	<u>1/10</u>	<u>8.56</u>	<u>0.48</u>	<u>14.9</u>	<u>3.420</u>	

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

WERE MANHOLES INSPECTED? YES: _____ NO: X

WERE ELECTRICAL BOXES INSPECTED? YES: _____ NO: X

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:

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

Remarks: _____

Other Actions: _____

AGWAY					
SYSTEM VACUUM: _____ in. H ₂ O			AIR PRESSURE: _____ psi		
SP-1: _____	scfm _____	psi _____	SP-5 _____	scfm _____	psi _____
SP-2: _____	scfm _____	psi _____	SP-6 _____	scfm _____	psi _____
SP-3: _____	scfm _____	psi _____	SP-7 _____	scfm _____	psi _____
SP-4: _____	scfm _____	psi _____	SP-8 _____	scfm _____	psi _____

INCLUDE REMARKS & DESCRIBE ANY OTHER SYSTEM MAINTENANCE PERFORMED ON AGWAY SITE

Remarks: _____

Other Actions: _____



Attachment C – Site Utility Costs

Mr. C's Dry Cleaners Site - Remedial Treatment Utility Costs
NYSDEC Work Assignment #1703074.0011.11
12 Months of System Operation and Maintenance
February 2020 Report

ATTACHMENT C

Utility Budget:	Electric:	\$25,300.00
	Telephone:	\$540.00
	Gas	\$1,120.00
	Total:	<u>\$26,960.00</u>

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						
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	\$ 285.23	\$ 77.28				
Totals				\$ 285.23	\$ 77.28	\$ -	\$ -	\$ -	\$ -
				Jul-2019	Aug-2019	Sep-2019	Oct-2019	Nov-2019	Dec-2019
Totals				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Electric - Mr. C's \$

-

Notes:

Natural Gas - Mr. C's \$

362.51

Grand Total - NYSE&G/National Fuel Gas Costs To Date

\$ 362.51

Estimated Reading

Overbilled natural gas costs - no charges

Telephone

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

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

-

Grand Total All Utilities To Date

\$

362.51

Monthly Average Costs

Mr. C's Electric	N/A
Mr. C's Gas	\$ 181.26
Mr. C's Telephone	N/A
Average Utility Cost Total	\$ 181.26
12 Month Estimate	\$ 2,175.06

Budget Remaining:	Electric:	\$25,300.00
	Telephone:	\$540.00
	Gas	\$757.49
	Total:	<u>\$26,597.49</u>