Groundwater & Environmental Services, Inc.

415 Lawrence Bell Dr. Suite 6
Williamsville, NY 14221

T. 800.287.7857

May 15, 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
April 2020 Operations, Maintenance and Monitoring Report

Dear Mr. Long:

Groundwater and Environmental Services Inc. (GES) is pleased to provide the April 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 April 2020 reporting period, the treatment system was in operation from April 7, 2020 to May 4, 2020. The April monthly OM&M sampling was performed on May 4, 2020, and the results were received from Eurofins Test America Buffalo on May 12, 2020 **(Attachment A)**. A summary of field activities performed during this period by GES 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 April 2020, GES offers the following comments and highlights:

Operational Summary:

- Based on weekly site visits and inspection reports prepared by GES, the remedial treatment system for the period of April 7, 2020 through May 4, 2020, had an operational up-time of 100%, and 103,085 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 May 4, 2020 samples indicated the total volatile organic compound (VOC) concentration of the influent to be 3,761 micrograms per liter (µg/L) and the concentration of total VOCs in the effluent was 0 µg/L. The system operated in compliance with the Effluent Discharge Criteria during this period (**Table 2**). A summary of influent and effluent contaminant concentrations from May 4, 2020 are presented in **Table 3.** The influent and effluent VOC concentrations during each sampling event in 2018, 2019, and 2020 are presented in **Figure 1**.

- The Mr. C's treatment system, based on the total flows from the uptime operations, removed approximately 3.24 pounds (lbs) of VOCs during the period of April 7, 2020 through May 4, 2020. The system VOC treatment efficiency for April 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.**

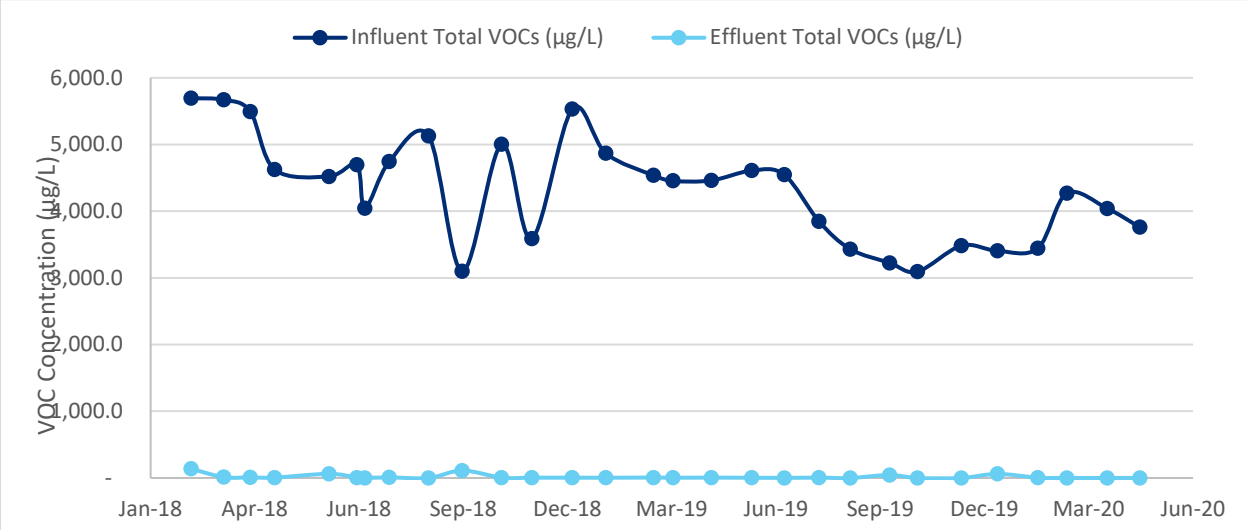


Figure 1: Influent and Effluent VOC concentrations during each sampling event from 2018 to present.

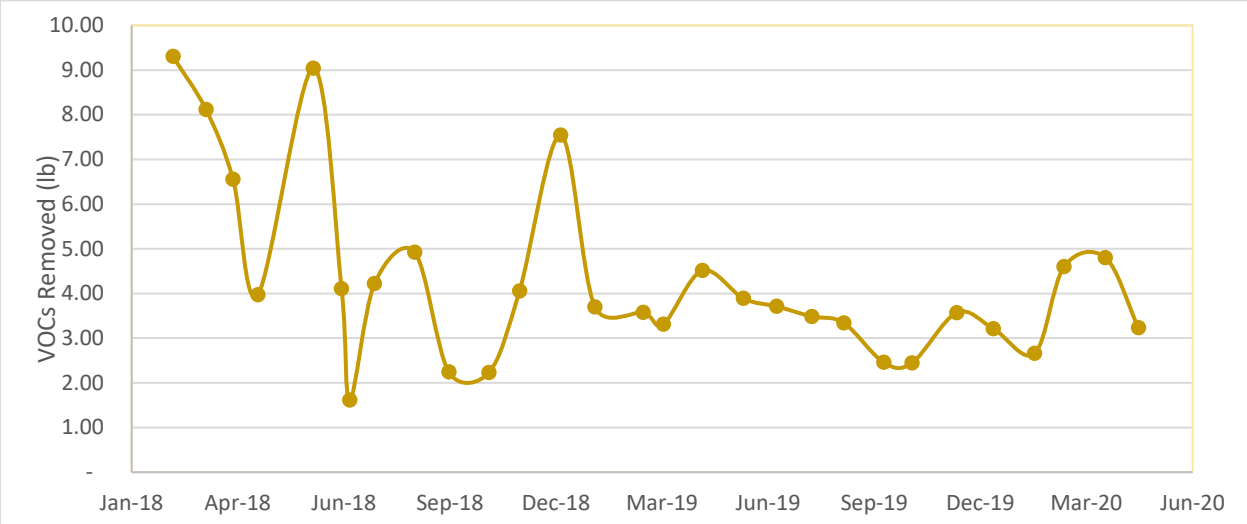


Figure 2: Mass of VOC's removed during the period of 2018 through present.

Pumping Well Summary:

- Pumping wells PW-4, PW-5, PW-6, PW-7 and PW-8 were previously sampled during the January 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 May 5, 2020 through June 3, 2020 and is scheduled for submission by June 30, 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 (gallons)	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**	**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	3,444.0	5.00	2.66
February 08, 2020 to March 02, 2020	March 2, 2020	576	100.00%	129,217	4,267.7	0.00	4.60
March 03, 2020 to April 06, 2020	April 6, 2020	840	100.00%	142,390	4,040	0.00	4.80
April 07, 2020 to May 04, 2020	May 4, 2020	672	100.00%	103,085	3,761	0.00	3.24
Total in 2020		**2,760**	**93.28%**	**467,192**	**NA**	**NA**	**15.30**
Total from startup		**150,026**	**91.57%**	**134,806,503**	**NA**	**NA**	**1,809.98**

NOTES:

1. Up-time based as percentage of total reporting hours.
2. Treatment system operated by Iyer Environmental Group from 07/07/2016 to 2/24/2020. GES operating system from 2/24/20 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:

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

µg/L = micrograms per liter
lbs = pounds

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

Parameter/Analyte	Daily Maximum[1]	Units	May 4, 2020 Effluent Analytical Values Compliance
Flow (Average)[2]	N/A	gpd	
pH	6.0 - 9.0	standard units	8.5
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	mg/L	503
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:

   April 7, 2020 through May 4, 2020 = 3,818 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.

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

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

Compound	Based on the May 4, 2020 Effluent Analytical Results				
	Influent Concentration (ug/L)		Effluent Concentration (ug/L)		Treatment Efficiency* (%)
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)	U	ND(<1.0)	U	NA
cis-1, 2-Dichloroethene	1,500		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)	9.9	J	ND(<1.0)	U	100.00%
Methyl acetate	ND(<50)	U	ND(<2.5)	U	NA
Tetrachloroethene (PCE)	1,800		ND(<1.0)	U	100.00%
Toluene	ND(<20)	U	ND(<1.0)	U	NA
Trichloroethene (TCE)	360		ND(<1.0)	U	100.00%
Carbon Disulfide	ND(<20)	U	ND(<1.0)	U	NA
1,1,2 Trichloro-1,2,2-trifluororethane	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	91		ND(<1.0)	U	100.00%
Total Xylenes	ND(<40)	U	ND(<2.0)	U	NA
TOTAL:	**3,761**		**0.0**		**100.00%**

Notes:

1. The efficiency cleanup values are calculated based on the May 4, 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. "F1"=MS and/or MSD recovery exceeds control limits.
6. Non-detect values are assumed to be equal to zero for calculation of monthly average concentrations.
7. "S" indicates an estimated value and suspected lab contamination.
8. "Bold" - exceeds the SPDES Equilavency Permit Requirements.

* Contaminants of Concern only

Attachment A – Analytical Data

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 480-169424-1
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

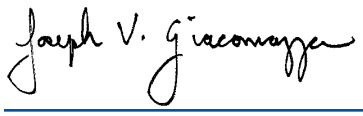
Joseph V. Giacomazza

Authorized for release by:
5/12/2020 10:27:25 AM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

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

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.



Joe Giacomazza
Project Management Assistant II
5/12/2020 10:27:25 AM

Table of Contents

Definitions/Glossary

Client: New York State D.E.C.
Job ID: 480-169424-1
Project/Site: Mr C's Site #915157

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.

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.
¤	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)
MQL	Method Quantitation Limit
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)

Job ID: 480-169424-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-169424-1

Comments
No additional comments.

Receipt
The samples were received on 5/4/2020 2:45 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.9º C.

GC/MS VOA
Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: Influent (480-169424-2). 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 9040C, 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 (480-169424-1) and Influent (480-169424-2).

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: 480-169424-1

Client Sample ID: Effluent — Lab Sample ID: 480-169424-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	160		0.50	0.10	mg/L	1		200.7 Rev 4.4	Total/NA
Magnesium	25.5		0.20	0.043	mg/L	1		200.7 Rev 4.4	Total/NA
Hardness as calcium carbonate	503		0.50	0.10	mg/L	1		SM 2340B	Total/NA
pH	8.5	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA
Temperature	17.1	HF	0.001	0.001	Degrees C	1		SM 4500 H+ B	Total/NA

Client Sample ID: Influent — Lab Sample ID: 480-169424-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1500		20	16	ug/L	20		8260C	Total/NA
Methyl tert-butyl ether	9.9	J	20	3.2	ug/L	20		8260C	Total/NA
Tetrachloroethene	1800		20	7.2	ug/L	20		8260C	Total/NA
Trichloroethene	360		20	9.2	ug/L	20		8260C	Total/NA
Vinyl chloride	91		20	18	ug/L	20		8260C	Total/NA
Calcium	159		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	501		0.50	0.10	mg/L	1		SM 2340B	Total/NA
pH	7.3	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA
Temperature	17.1	HF	0.001	0.001	Degrees C	1		SM 4500 H+ B	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 480-169424-3

No Detections.

This Detection Summary does not include radiochemical test results.

Client: New York State D.E.C.
Job ID: 480-169424-1
Project/Site: Mr C's Site #915157

Client Sample ID: Effluent
Lab Sample ID: 480-169424-1
Date Collected: 05/04/20 08:25
Matrix: Water
Date Received: 05/04/20 14:45

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			05/05/20 15:19	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/05/20 15:19	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/05/20 15:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/05/20 15:19	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/05/20 15:19	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/05/20 15:19	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/05/20 15:19	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/05/20 15:19	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/05/20 15:19	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/05/20 15:19	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/05/20 15:19	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/05/20 15:19	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/05/20 15:19	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/05/20 15:19	1
2-Hexanone	ND		5.0	1.2	ug/L			05/05/20 15:19	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/05/20 15:19	1
Acetone	ND		10	3.0	ug/L			05/05/20 15:19	1
Benzene	ND		1.0	0.41	ug/L			05/05/20 15:19	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/05/20 15:19	1
Bromoform	ND		1.0	0.26	ug/L			05/05/20 15:19	1
Bromomethane	ND		1.0	0.69	ug/L			05/05/20 15:19	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/05/20 15:19	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/05/20 15:19	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/05/20 15:19	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/05/20 15:19	1
Chloroethane	ND		1.0	0.32	ug/L			05/05/20 15:19	1
Chloroform	ND		1.0	0.34	ug/L			05/05/20 15:19	1
Chloromethane	ND		1.0	0.35	ug/L			05/05/20 15:19	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/05/20 15:19	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/05/20 15:19	1
Cyclohexane	ND		1.0	0.18	ug/L			05/05/20 15:19	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/05/20 15:19	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/05/20 15:19	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/05/20 15:19	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/05/20 15:19	1
Methyl acetate	ND		2.5	1.3	ug/L			05/05/20 15:19	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/05/20 15:19	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/05/20 15:19	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/05/20 15:19	1
Styrene	ND		1.0	0.73	ug/L			05/05/20 15:19	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/05/20 15:19	1
Toluene	ND		1.0	0.51	ug/L			05/05/20 15:19	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/05/20 15:19	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/05/20 15:19	1
Trichloroethene	ND		1.0	0.46	ug/L			05/05/20 15:19	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/05/20 15:19	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/05/20 15:19	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/05/20 15:19	1

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

Job ID: 480-169424-1

Client Sample ID: Effluent

Lab Sample ID: 480-169424-1

Date Collected: 05/04/20 08:25

Matrix: Water

Date Received: 05/04/20 14:45

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*101*		*80 - 120*		*05/05/20 15:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*05/05/20 15:19*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*05/05/20 15:19*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*05/05/20 15:19*	*1*

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**160**		0.50	0.10	mg/L		05/06/20 09:18	05/08/20 02:34	1
Magnesium	**25.5**		0.20	0.043	mg/L		05/06/20 09:18	05/08/20 02:34	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	**503**		0.50	0.10	mg/L			05/12/20 08:59	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.5**	**HF**	0.1	0.1	SU			05/07/20 15:07	1
Temperature	**17.1**	**HF**	0.001	0.001	Degrees C			05/07/20 15:07	1

Client Sample ID: Influent

Lab Sample ID: 480-169424-2

Date Collected: 05/04/20 08:35

Matrix: Water

Date Received: 05/04/20 14:45

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			05/05/20 15:42	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			05/05/20 15:42	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			05/05/20 15:42	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		20	6.2	ug/L			05/05/20 15:42	20
1,1-Dichloroethane	ND		20	7.6	ug/L			05/05/20 15:42	20
1,1-Dichloroethene	ND		20	5.8	ug/L			05/05/20 15:42	20
1,2,4-Trichlorobenzene	ND		20	8.2	ug/L			05/05/20 15:42	20
1,2-Dibromo-3-Chloropropane	ND		20	7.8	ug/L			05/05/20 15:42	20
1,2-Dichlorobenzene	ND		20	16	ug/L			05/05/20 15:42	20
1,2-Dichloroethane	ND		20	4.2	ug/L			05/05/20 15:42	20
1,2-Dichloropropane	ND		20	14	ug/L			05/05/20 15:42	20
1,3-Dichlorobenzene	ND		20	16	ug/L			05/05/20 15:42	20
1,4-Dichlorobenzene	ND		20	17	ug/L			05/05/20 15:42	20
2-Butanone (MEK)	ND		200	26	ug/L			05/05/20 15:42	20
2-Hexanone	ND		100	25	ug/L			05/05/20 15:42	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			05/05/20 15:42	20
Acetone	ND		200	60	ug/L			05/05/20 15:42	20
Benzene	ND		20	8.2	ug/L			05/05/20 15:42	20
Bromodichloromethane	ND		20	7.8	ug/L			05/05/20 15:42	20
Bromoform	ND		20	5.2	ug/L			05/05/20 15:42	20
Bromomethane	ND		20	14	ug/L			05/05/20 15:42	20
Carbon disulfide	ND		20	3.8	ug/L			05/05/20 15:42	20
Carbon tetrachloride	ND		20	5.4	ug/L			05/05/20 15:42	20
Chlorobenzene	ND		20	15	ug/L			05/05/20 15:42	20
Dibromochloromethane	ND		20	6.4	ug/L			05/05/20 15:42	20
Chloroethane	ND		20	6.4	ug/L			05/05/20 15:42	20

Client Sample ID: Influent

Date Collected: 05/04/20 08:35
Date Received: 05/04/20 14:45

Lab Sample ID: 480-169424-2
Matrix: Water

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			05/05/20 15:42	20
Chloromethane	ND		20	7.0	ug/L			05/05/20 15:42	20
cis-1,2-Dichloroethene	**1500**		20	16	ug/L			05/05/20 15:42	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			05/05/20 15:42	20
Cyclohexane	ND		20	3.6	ug/L			05/05/20 15:42	20
Dichlorodifluoromethane	ND		20	14	ug/L			05/05/20 15:42	20
Ethylbenzene	ND		20	15	ug/L			05/05/20 15:42	20
1,2-Dibromoethane	ND		20	15	ug/L			05/05/20 15:42	20
Isopropylbenzene	ND		20	16	ug/L			05/05/20 15:42	20
Methyl acetate	ND		50	26	ug/L			05/05/20 15:42	20
Methyl tert-butyl ether	**9.9**	**J**	20	3.2	ug/L			05/05/20 15:42	20
Methylcyclohexane	ND		20	3.2	ug/L			05/05/20 15:42	20
Methylene Chloride	ND		20	8.8	ug/L			05/05/20 15:42	20
Styrene	ND		20	15	ug/L			05/05/20 15:42	20
Tetrachloroethene	**1800**		20	7.2	ug/L			05/05/20 15:42	20
Toluene	ND		20	10	ug/L			05/05/20 15:42	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			05/05/20 15:42	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			05/05/20 15:42	20
Trichloroethene	**360**		20	9.2	ug/L			05/05/20 15:42	20
Trichlorofluoromethane	ND		20	18	ug/L			05/05/20 15:42	20
Vinyl chloride	**91**		20	18	ug/L			05/05/20 15:42	20
Xylenes, Total	ND		40	13	ug/L			05/05/20 15:42	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*05/05/20 15:42*	*20*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*		*05/05/20 15:42*	*20*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*05/05/20 15:42*	*20*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*05/05/20 15:42*	*20*

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**159**		0.50	0.10	mg/L		05/06/20 09:18	05/08/20 02:38	1
Magnesium	**25.3**		0.20	0.043	mg/L		05/06/20 09:18	05/08/20 02:38	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	**501**		0.50	0.10	mg/L			05/12/20 08:59	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.3**	**HF**	0.1	0.1	SU			05/07/20 15:10	1
Temperature	**17.1**	**HF**	0.001	0.001	Degrees C			05/07/20 15:10	1

Client Sample ID: Trip Blank

Date Collected: 05/04/20 08:00
Date Received: 05/04/20 14:45

Lab Sample ID: 480-169424-3
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		1.0	0.82	ug/L			05/05/20 16:05	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/05/20 16:05	1

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

Job ID: 480-169424-1

Client Sample ID: Trip Blank
Date Collected: 05/04/20 08:00
Date Received: 05/04/20 14:45

Lab Sample ID: 480-169424-3
Matrix: Water

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			05/05/20 16:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/05/20 16:05	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/05/20 16:05	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/05/20 16:05	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/05/20 16:05	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/05/20 16:05	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/05/20 16:05	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/05/20 16:05	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/05/20 16:05	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/05/20 16:05	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/05/20 16:05	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/05/20 16:05	1
2-Hexanone	ND		5.0	1.2	ug/L			05/05/20 16:05	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/05/20 16:05	1
Acetone	ND		10	3.0	ug/L			05/05/20 16:05	1
Benzene	ND		1.0	0.41	ug/L			05/05/20 16:05	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/05/20 16:05	1
Bromoform	ND		1.0	0.26	ug/L			05/05/20 16:05	1
Bromomethane	ND		1.0	0.69	ug/L			05/05/20 16:05	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/05/20 16:05	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/05/20 16:05	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/05/20 16:05	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/05/20 16:05	1
Chloroethane	ND		1.0	0.32	ug/L			05/05/20 16:05	1
Chloroform	ND		1.0	0.34	ug/L			05/05/20 16:05	1
Chloromethane	ND		1.0	0.35	ug/L			05/05/20 16:05	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/05/20 16:05	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/05/20 16:05	1
Cyclohexane	ND		1.0	0.18	ug/L			05/05/20 16:05	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/05/20 16:05	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/05/20 16:05	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/05/20 16:05	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/05/20 16:05	1
Methyl acetate	ND		2.5	1.3	ug/L			05/05/20 16:05	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/05/20 16:05	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/05/20 16:05	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/05/20 16:05	1
Styrene	ND		1.0	0.73	ug/L			05/05/20 16:05	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/05/20 16:05	1
Toluene	ND		1.0	0.51	ug/L			05/05/20 16:05	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/05/20 16:05	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/05/20 16:05	1
Trichloroethene	ND		1.0	0.46	ug/L			05/05/20 16:05	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/05/20 16:05	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/05/20 16:05	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/05/20 16:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*05/05/20 16:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*05/05/20 16:05*	*1*

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

Job ID: 480-169424-1

Client Sample ID: Trip Blank
Date Collected: 05/04/20 08:00
Date Received: 05/04/20 14:45

Lab Sample ID: 480-169424-3
Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*05/05/20 16:05*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*05/05/20 16:05*	*1*

Surrogate Summary

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

Job ID: 480-169424-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(80-120)	(77-120)	(73-120)	(75-123)
480-169424-1	Effluent	101	98	99	104
480-169424-2	Influent	102	95	104	105
480-169424-3	Trip Blank	102	101	102	107
LCS 480-529589/5	Lab Control Sample	105	95	104	104
MB 480-529589/7	Method Blank	103	103	99	110

Surrogate Legend

TOL = Toluene-d8 (Surr)
DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

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

Job ID: 480-169424-1

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

Lab Sample ID: MB 480-529589/7
Matrix: Water
Analysis Batch: 529589

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			05/05/20 08:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/05/20 08:30	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/05/20 08:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/05/20 08:30	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/05/20 08:30	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/05/20 08:30	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/05/20 08:30	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/05/20 08:30	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/05/20 08:30	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/05/20 08:30	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/05/20 08:30	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/05/20 08:30	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/05/20 08:30	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/05/20 08:30	1
2-Hexanone	ND		5.0	1.2	ug/L			05/05/20 08:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/05/20 08:30	1
Acetone	ND		10	3.0	ug/L			05/05/20 08:30	1
Benzene	ND		1.0	0.41	ug/L			05/05/20 08:30	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/05/20 08:30	1
Bromoform	ND		1.0	0.26	ug/L			05/05/20 08:30	1
Bromomethane	ND		1.0	0.69	ug/L			05/05/20 08:30	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/05/20 08:30	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/05/20 08:30	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/05/20 08:30	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/05/20 08:30	1
Chloroethane	ND		1.0	0.32	ug/L			05/05/20 08:30	1
Chloroform	ND		1.0	0.34	ug/L			05/05/20 08:30	1
Chloromethane	ND		1.0	0.35	ug/L			05/05/20 08:30	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/05/20 08:30	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/05/20 08:30	1
Cyclohexane	ND		1.0	0.18	ug/L			05/05/20 08:30	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/05/20 08:30	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/05/20 08:30	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/05/20 08:30	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/05/20 08:30	1
Methyl acetate	ND		2.5	1.3	ug/L			05/05/20 08:30	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/05/20 08:30	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/05/20 08:30	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/05/20 08:30	1
Styrene	ND		1.0	0.73	ug/L			05/05/20 08:30	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/05/20 08:30	1
Toluene	ND		1.0	0.51	ug/L			05/05/20 08:30	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/05/20 08:30	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/05/20 08:30	1
Trichloroethene	ND		1.0	0.46	ug/L			05/05/20 08:30	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/05/20 08:30	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/05/20 08:30	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/05/20 08:30	1

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

Lab Sample ID: MB 480-529589/7
Matrix: Water
Analysis Batch: 529589

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*103*		*80 - 120*		*05/05/20 08:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*05/05/20 08:30*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*05/05/20 08:30*	*1*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*05/05/20 08:30*	*1*

Lab Sample ID: LCS 480-529589/5
Matrix: Water
Analysis Batch: 529589

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	23.4		ug/L		94	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.5		ug/L		94	76 - 120
1,1,2-Trichloroethane	25.0	24.8		ug/L		99	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.1		ug/L		100	61 - 148
1,1-Dichloroethane	25.0	25.0		ug/L		100	77 - 120
1,1-Dichloroethene	25.0	24.4		ug/L		98	66 - 127
1,2,4-Trichlorobenzene	25.0	24.8		ug/L		99	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	18.5		ug/L		74	56 - 134
1,2-Dichlorobenzene	25.0	24.9		ug/L		100	80 - 124
1,2-Dichloroethane	25.0	22.6		ug/L		90	75 - 120
1,2-Dichloropropane	25.0	26.1		ug/L		104	76 - 120
1,3-Dichlorobenzene	25.0	24.8		ug/L		99	77 - 120
1,4-Dichlorobenzene	25.0	24.5		ug/L		98	80 - 120
2-Butanone (MEK)	125	118		ug/L		94	57 - 140
2-Hexanone	125	112		ug/L		90	65 - 127
4-Methyl-2-pentanone (MIBK)	125	115		ug/L		92	71 - 125
Acetone	125	128		ug/L		102	56 - 142
Benzene	25.0	25.4		ug/L		101	71 - 124
Bromodichloromethane	25.0	23.5		ug/L		94	80 - 122
Bromoform	25.0	23.8		ug/L		95	61 - 132
Bromomethane	25.0	26.1		ug/L		104	55 - 144
Carbon disulfide	25.0	23.4		ug/L		93	59 - 134
Carbon tetrachloride	25.0	22.4		ug/L		89	72 - 134
Chlorobenzene	25.0	24.3		ug/L		97	80 - 120
Dibromochloromethane	25.0	24.4		ug/L		98	75 - 125
Chloroethane	25.0	28.2		ug/L		113	69 - 136
Chloroform	25.0	23.5		ug/L		94	73 - 127
Chloromethane	25.0	25.1		ug/L		100	68 - 124
cis-1,2-Dichloroethene	25.0	25.3		ug/L		101	74 - 124
cis-1,3-Dichloropropene	25.0	24.0		ug/L		96	74 - 124
Cyclohexane	25.0	22.8		ug/L		91	59 - 135
Dichlorodifluoromethane	25.0	24.9		ug/L		100	59 - 135
Ethylbenzene	25.0	23.8		ug/L		95	77 - 123
1,2-Dibromoethane	25.0	24.6		ug/L		98	77 - 120
Isopropylbenzene	25.0	22.6		ug/L		91	77 - 122
Methyl acetate	50.0	41.6		ug/L		83	74 - 133
Methyl tert-butyl ether	25.0	24.4		ug/L		98	77 - 120
Methylcyclohexane	25.0	24.0		ug/L		96	68 - 134

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

Lab Sample ID: LCS 480-529589/5
Matrix: Water
Analysis Batch: 529589

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	28.1		ug/L		112	75 - 124
Styrene	25.0	25.3		ug/L		101	80 - 120
Tetrachloroethene	25.0	24.1		ug/L		96	74 - 122
Toluene	25.0	24.8		ug/L		99	80 - 122
trans-1,2-Dichloroethene	25.0	25.6		ug/L		102	73 - 127
trans-1,3-Dichloropropene	25.0	23.9		ug/L		96	80 - 120
Trichloroethene	25.0	23.5		ug/L		94	74 - 123
Trichlorofluoromethane	25.0	25.8		ug/L		103	62 - 150
Vinyl chloride	25.0	26.0		ug/L		104	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*105*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*
Dibromofluoromethane (Surr)	*104*		*75 - 123*

Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 480-529725/1-A
Matrix: Water
Analysis Batch: 530449

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 529725

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		0.50	0.10	mg/L		05/06/20 09:18	05/08/20 01:35	1
Magnesium	ND		0.20	0.043	mg/L		05/06/20 09:18	05/08/20 01:35	1

Lab Sample ID: LCS 480-529725/2-A
Matrix: Water
Analysis Batch: 530449

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 529725

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium	10.0	9.87		mg/L		99	85 - 115
Magnesium	10.0	9.77		mg/L		98	85 - 115

Method: SM 4500 H+ B - pH

Lab Sample ID: LCS 480-530349/1
Matrix: Water
Analysis Batch: 530349

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	7.0		SU		100	99 - 101

Lab Sample ID: LCS 480-530349/23
Matrix: Water
Analysis Batch: 530349

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	7.0		SU		101	99 - 101

QC Association Summary

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

Job ID: 480-169424-1

GC/MS VOA

Analysis Batch: 529589

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-169424-1	Effluent	Total/NA	Water	8260C	
480-169424-2	Influent	Total/NA	Water	8260C	
480-169424-3	Trip Blank	Total/NA	Water	8260C	
MB 480-529589/7	Method Blank	Total/NA	Water	8260C	
LCS 480-529589/5	Lab Control Sample	Total/NA	Water	8260C	

Metals

Prep Batch: 529725

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-169424-1	Effluent	Total/NA	Water	200.7	
480-169424-2	Influent	Total/NA	Water	200.7	
MB 480-529725/1-A	Method Blank	Total/NA	Water	200.7	
LCS 480-529725/2-A	Lab Control Sample	Total/NA	Water	200.7	

Analysis Batch: 530449

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-169424-1	Effluent	Total/NA	Water	200.7 Rev 4.4	529725
480-169424-2	Influent	Total/NA	Water	200.7 Rev 4.4	529725
MB 480-529725/1-A	Method Blank	Total/NA	Water	200.7 Rev 4.4	529725
LCS 480-529725/2-A	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	529725

Analysis Batch: 531125

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-169424-1	Effluent	Total/NA	Water	SM 2340B	
480-169424-2	Influent	Total/NA	Water	SM 2340B	

General Chemistry

Analysis Batch: 530349

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-169424-1	Effluent	Total/NA	Water	SM 4500 H+ B	
480-169424-2	Influent	Total/NA	Water	SM 4500 H+ B	
LCS 480-530349/1	Lab Control Sample	Total/NA	Water	SM 4500 H+ B	
LCS 480-530349/23	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: 480-169424-1

Client Sample ID: Effluent

Lab Sample ID: 480-169424-1

Date Collected: 05/04/20 08:25

Matrix: Water

Date Received: 05/04/20 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	529589	05/05/20 15:19	AMM	TAL BUF
Total/NA	Prep	200.7			529725	05/06/20 09:18	NSW	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	530449	05/08/20 02:34	LMH	TAL BUF
Total/NA	Analysis	SM 2340B		1	531125	05/12/20 08:59	LMH	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	530349	05/07/20 15:07	DLG	TAL BUF

Client Sample ID: Influent

Lab Sample ID: 480-169424-2

Date Collected: 05/04/20 08:35

Matrix: Water

Date Received: 05/04/20 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	529589	05/05/20 15:42	AMM	TAL BUF
Total/NA	Prep	200.7			529725	05/06/20 09:18	NSW	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	530449	05/08/20 02:38	LMH	TAL BUF
Total/NA	Analysis	SM 2340B		1	531125	05/12/20 08:59	LMH	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	530349	05/07/20 15:10	DLG	TAL BUF

Client Sample ID: Trip Blank

Lab Sample ID: 480-169424-3

Date Collected: 05/04/20 08:00

Matrix: Water

Date Received: 05/04/20 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	529589	05/05/20 16:05	AMM	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: 480-169424-1

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	04-02-21

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: 480-169424-1

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: 480-169424-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-169424-1	Effluent	Water	05/04/20 08:25	05/04/20 14:45	
480-169424-2	Influent	Water	05/04/20 08:35	05/04/20 14:45	
480-169424-3	Trip Blank	Water	05/04/20 08:00	05/04/20 14:45	

CHAIN OF CUSTODY

Client: New York State Dept. of Environmental Conservation

PAGE 1 OF 1

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

CLIENT/REPORTING INFORMATION	PROJECT INFORMATION	BILLING INFORMATION
Groundwater & Environmental Services, Inc. 415 Lawrence Bell Drive, Williamsville, NY 14221 **Project Manager:** Thomas Palmer **Phone #:** 800-287-7857 Email: fax **866-902-2187**	**Project Name:** NYSDEC/East Aurora/NY/MainSt/586 **Project Address:** 586 Main St, East Aurora, NY **Project #:**	**NYSDEC** **NYSDEC PM:** Payson Long **Phone Number:** (518) 402-9813 **Email:** payson.long@dec.ny.gov **Lab PM:** Orlette Johnson **NYSDEC Site No.:** 915157

Sampler(s) Name:	Sampler(s) Name:

Lab Sample #	Field ID / Point of Collection (Sys_loc_code)	Depth Interval (ft)	Date Sampled	Time Sampled	Sampler	Matrix	Total # Bottles	number of preserved bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Amber	VOCs via 8260C	Hardness 2340B	Metals 200.7	pH via 4500	LAB USE ONLY
	Effluent		5-4-20	0825	B.Mikoli	Water	5	3		1		1					X	X	X	X	
	Inffluent		↓	0835	↓	Water	5	3		1		1					X	X	X	X	
	Trip Blanks - Lab Prepared		↓	0800	Lab Prep	Water	2														

480-169424 Chain of Custody

Turnaround Time (Business Days) — **Approved By (Lab PM) / Date**

- ☑ Standard 14 Days _____/_____
- ☐ _____/_____
- ☐ Other _____ _____/_____

Laboratory Information

Lab: TestAmerica Buffalo
Address: 15 Hazelwood Drive, Amherst, NY
Phone: 484-685-0864
Lab PM: Orlette Johnson
Lab PM Email: Orlette.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:
1	B.Mikoli / GES to Eurofins	5/4/20 1445	5/4/20 1445
2	Relinquished By :	Date / Time:	Received By:
3	Relinquished By :	Date / Time:	Received By:

Custody Seal Number: ☐ Intact ☐ Not Intact ☐ Preserved where applicable ~~☐ On Ice~~ **Cooler Temp** 2.9

5/12/2020

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-169424-1

Login Number: 169424

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Sabuda, Brendan D

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	2.9 #1 ICE
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.	N/A	
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

NYSDEC - Mr.C's- 586 Main St. East Aurora, NY

Brandon Mikolin — GES

Date: 4/13/2020 — Temperature: 71° Inside 60° Outside

System Status (Arrival): (Up) Down — System Status (Depature): (Up) Down

Notes: Normal — Notes: Normal

System Components			
Redux 380 Drum Level (In)	22.25	Feed Rate (ml/min)	—
Remaing Agent (x1.7)	37.80	Pump Pressure (psi)	—
Influent Pump in Use	#1 : ON	#2 : OFF	
Air Stripper Influent Pump Pressure	8	—	
Air Stripper Blower in Use :	#1 : ON	#2 : OFF	
Air Stripper Pressure (in H_2o)	0.7		
Air Stripper Differential Pressure (in H_2o)		—	
Discharge Pressure (in H_2o)	3		
Effluent Pump In Use :	#1 : ON	#2 : OFF	
Effluent Pump Pressure (psi)	5		
Effluent Flow Rate (GPM)	80		
Effluent Totalizer (gal)	86,267,982		
Building Heaters in Use	Yes		
Inside Temperature (F)	70.2		
Sump Pump In Use	Yes		
Sump Water Level	1/2 Full		

Well Pumps		
Pump	Status	Level (ft)
RW-1	OFF	14
RW-2	↓	12
RW-3	↓	12
RW-4	Auto	7
RW-5	↓	7
RW-6	↓	6
RW-7	↓	6
RW-8	↓	7
Equilization Tank	ON	4
Influent Flow Rate (GPM)	14	
Influent Totalizer (Gal)	19,396,642	
Last Alarm	3/24/20 Air Stripper LO Pressure	

Bag Filters (psi)			
#1 In	0	#2 In	10
#1 Out	0	#2 Out	0

Air Stripper Bubblers ~~(psi)~~ SCFM			
#1	7.0	#2	3.0

Sampling			
Samples Collected	Yes	(No)	
Air Stripper Effluent	Time :		pH____ Turbidity_____ Temp._____ Sp.Cond._____
Air Stripper Influent	Time :		pH____ Turbidity_____ Temp._____ Sp.Cond._____

General Site Conditions		
Evidence of Well Tampering :	Yes	(No)
Manhole Inspection :	Yes	(No)
Electrical Box Inspection :	Yes	(No)
Water in Electrical Boxes :	Yes	(No)
Building Condition Inspected :	(Yes)	No

Subslab System Readings	
East Riser (ft/min)	299
West Riser(ft/min)	1157
Manometer Reading	1.4

Remarks and Describe any other system O&M or tasks performed while onsite :

Triple rinse and cut up 2 redux drums for disposal.

4/13/2020 0900 Brandon Mikolin 63° / Rain

Onsite for weekly O & M visit. Review HASP, JLA's, COVID-19 response plan, Post NYSDEC COVID-19 Poster and Site Access restrictions.

System is up and running. Seems normal.

Totalizers! Influent 19,396,642 Effluent 86,267,982 Redux 22.25 x 1.7 = 37.8 gal

4/6/20 19,357,348 86,241,399 29.25 x 1.7 = 49.7 gal

39,294 gal 26,583 gal Used 11.9 gallons

Made 12 gallons of redux solution; 4 gal redux : 8 gal water

New level in drum ⇒28.5 x 1.7 = 48.45 gal. I did this to empty the redux drum so it can be triple rinsed & disposed of, and make room.

Triple rinsed and cut up 2 redux drums onsite for disposal.

Posted NYSDEC COVID-19 Posters on door and sign in sheet is on desk for wellness check/questionaire.

Sweep up system area.

Clean up tools & equipment.

Offsite at 1330 to dispose of 2 empty redux drums. BMM

NYSDEC - Mr.C's- 586 Main St. East Aurora, NY

Brandon Mikolin

Date: 4-21-20

Temperature : 40's w/ rain

System Status (Arrival): (Up) Down

System Status (Depature): (Up) Down

Notes: Leaking redux line

Notes: Normal

System Components			
Redux 380 Drum Level (In)	22	Feed Rate (ml/min)	—
Remaing Agent (x1.7)	37.4	Pump Pressure (psi)	—
Influent Pump in Use	#1 : Yes	#2 : No	
Air Stripper Influent Pump Pressure	8	—	
Air Stripper Blower in Use :	#1 : Yes	#2 : NO	
Air Stripper Pressure ~~(in H_2O)~~	0.6 PSI		
Air Stripper Differential Pressure (in H_2O)		—	
Discharge Pressure (in H_2O)	3.2		
Effluent Pump In Use :	#1 : Yes	#2 : No	
Effluent Pump Pressure (psi)	5		
Effluent Flow Rate (GPM)	80		
Effluent Totalizer (gal)	86,296,767		
Building Heaters in Use	Yes		
Inside Temperature (F)	71		
Sump Pump In Use	Yes		
Sump Water Level	1/2 Full		

Well Pumps		
Pump	Status	Level (ft)
RW-1	OFF	14
RW-2	OFF	11
RW-3	OFF	12
RW-4	ON	6
RW-5	ON	3
RW-6	ON	5
RW-7	ON	7
RW-8	ON	7
Equilization Tank	ON	4
Influent Flow Rate (GPM)	9.25	
Influent Totalizer (Gal)	19,441,825	
Last Alarm	4/21/20 Lo Pressure Air Stripper	

Bag Filters (psi)			
#1 In	0	#2 In	7
#1 Out	0	#2 Out	0

Air Stripper Bubblers (SCFM)			
#1	7.0	#2	3.5

Sampling						
Samples Collected	Yes		(No)			
Air Stripper Effluent	Time :		pH____	Turbidity_____	Temp._____	Sp.Cond._____
Air Stripper Influent	Time :		pH____	Turbidity_____	Temp._____	Sp.Cond._____

General Site Conditions		
Evidence of Well Tampering :	Yes	(No)
Manhole Inspection :	Yes	(No)
Electrical Box Inspection :	Yes	(No)
Water in Electrical Boxes :	Yes	(No)
Building Condition Inspected : GOOD	(Yes)	No

Subslab System Readings	
East Riser (ft/min)	340
West Riser(ft/min)	1098
Manometer Reading	1.4

Remarks and Describe any other system O&M or tasks performed while onsite :

Removed and replaced 1/4" barb fitting on redux line that was leaking.

Clean up tools & equipment.

Offsite at 1330 to dispose of 2 empty redux drums. BMM

4/21/20 0900 Brandon Mikolin / Peter Zaffram 39°/Cloudy

Onsite for weekly O&M and gauging. Review HASP, COVID-19 documents, DEC documents. System has a leak on redux line just upstream of chemical metering pump - we cut out bad section and remove/replace faulty 1/4" barb fitting. All good - not leaking anymore.

System is up and running - seems normal after the leak fix.

Totalizers: Influent: 19,441,825 Effluent: 86,296,767 Redux (22")(1.7) = 37.4

4/13 19,396,348 4/13 86,267,982 4/13 48.45

45,477 gal 28,785 gal Used 11.05 gallons

Perform general O&M and record system readings. Drain condensate on exterior of adjacent building. Start to gauge piezometers on-site.

Gauge all wells onsite w/ Peter.

Double check all system components

Secure site - offsite @

Site # 915157

NYSDEC Mr.C's SITEWIDE GAUGING

586 Main St East Aurora, NY

Date : 4/21/20

Gauged By : Peter Zaffram

DTW / DTB

RW-1	10.55 / 29.00	
PZ-1A	10.69 / 29.03	
PZ-1B	9.97 / 28.10	No J-plug
PZ-1C	11.50 / 29.50	
PZ-1D	11.66 / 30.22	
PW-2	9.60 / 27.00	
PZ-2A	10.10 / 29.35	
PZ-2B	10.54 / 29.35	
PZ-2C	10.07 / 29.62	
MW-7	Could not Find	Substitute for 2D
PW-3	10.65 / 29.30	
PZ-3A	10.66 / 29.60	
PZ-3B	10.74 / 29.30	
PZ-3C	10.65 / 29.80	
PZ-3D	—	buried under gravel
PW-4	19.25 / 27.40 to Pump	
PZ-4A	10.95 / 29.30	
PZ-4B	10.11 / 28.90	
PZ-4C	—	sealed over
PZ-4D	9.75 / 29.10	
PW-5	16.25 / 26.35 to top of pump	
PZ-5A	10.08 / 28.39	
PZ-5B	10.08 / 29.50	
PZ-5C	9.68 / 29.50	
PZ-5D	10.46 / 29.25	
PW-6	16.90 / 25.80 to Pump	
PZ-6A	10.95 / 28.95	
PZ-6B	10.80 / 28.35	
PZ-6C	11.10 / 28.90	
PZ-6D	10.83 / 27.20	RW-2 on map 4" well
PW-7	18.00 / 26.60 to Pump	
MPI-6S	10.97 / 21.65	
PZ-7B	10.68 / 28.70	
OW-B	10.52 / 26.30	
PZ-7D	10.30 / 26.75	4"
PW-8	17.86 / 26.00	
PZ-8A	7.49 / 27.70	
PZ-8B	7.41 / 28.75	
PZ-8C	7.16 / 29.20	
PZ-8D	7.35 / 29.00	

Pumps In Operation During Gauging :

PW-4, PW-5, PW-6, PW-7, PW-8

NYSDEC - Mr.C's- 586 Main St. East Aurora, NY

Brandon Mikolin / GES

Date: 4/29/20

Temperature : In: 71° Out: 58°

System Status (Arrival): (Up) Down

System Status (Depature): (Up) Down

Notes: Appears Normal

Notes: Appears Normal

System Components			
Redux 380 Drum Level (In)	15"	Feed Rate (ml/min)	—
Remaing Agent (x1.7)	25.5	Pump Pressure (psi)	—
Influent Pump in Use	#1 : YES	#2 : NO	
Air Stripper Influent Pump Pressure	8	—	
Air Stripper Blower in Use :	#1 : YES	#2 : NO	
Air Stripper Pressure ~~(in H_2o)~~	0.6		
Air Stripper Differential Pressure (in H_2o)		—	
Discharge Pressure (in H_2o)	3.0		
Effluent Pump In Use :	#1 : YES	#2 : NO	
Effluent Pump Pressure (psi)	5		
Effluent Flow Rate (GPM)	80		
Effluent Totalizer (gal)	86,326,290		
Building Heaters in Use	Yes		
Inside Temperature (F)	71°		
Sump Pump In Use	Yes		
Sump Water Level	½ Full		

Well Pumps		
Pump	Status	Level (ft)
RW-1	OFF	14
RW-2	↓	11
RW-3	↓	12
RW-4	ON	4
RW-5	↓	5
RW-6	↓	7
RW-7	↓	6
RW-8	↓	4
Equilization Tank		3
Influent Flow Rate (GPM)	11.30	
Influent Totalizer (Gal)	19,486,316	
Last Alarm	Lo Pressure Air Stripper 4/21	

Bag Filters (psi)			
#1 In	0	#2 In	7
#1 Out	0	#2 Out	0

Air Stripper Bubblers (SCFM)			
#1	7	#2	3.5

Sampling			
Samples Collected	Yes	(No)	
Air Stripper Effluent	Time :		pH____ Turbidity_____ Temp._____ Sp.Cond._____
Air Stripper Influent	Time :		pH____ Turbidity_____ Temp._____ Sp.Cond._____

General Site Conditions		
Evidence of Well Tampering :	Yes	(No)
Manhole Inspection :	Yes	(No)
Electrical Box Inspection :	Yes	(No)
Water in Electrical Boxes :	Yes	(No)
Building Condition Inspected :	(Yes)	No

Subslab System Readings	
East Riser (ft/min)	489
West Riser(ft/min)	1216
Manometer Reading	1.4

Remarks and Describe any other system O&M or tasks performed while onsite :

Make 24 gallons of redux solution. (8gal redux : 16 gal water).
Estimate current redux to last through July 2020 @ (4-5gal/week).

4/29/20 0930 Brandon Mikolin 55°/Cloudy

Onsite for weekly O & M. Review JLA's, HASP, COVID-19 documents and fill out all NYSDEC required documents.

System is up and running. Appears to be normal. No further redux leaks. No alarms or deficiencies.

Totalizers: Influent 19,486,316 Effluent 86,326,290 Redux (15")(1.7)=25.5

4/21 19,441,825 4/21 86,296,767 4/21 = 37.4

Gallons pumped/Redux Used ⇒ 44,491 gal 29,523 gal 11.9 gal

Make 24 gallons of redux solution. 8 gal redux : 16 gal water in drum for system usage.

We are using ≈ 4-5 gal redux (+ water ratio) per week. 90 gal onsite so we should be good until August 15th. Place order in late June/July for (3) 55 gal drums of redux 380 + crate tank to hold more 1:2 mix.

New redux level (using measure method)(28.5")(1.7) = 48.45 gallons

Check for leaks, cleanup & secure site. Offsite @ 1430. Burn

NYSDEC - Mr.C's- 586 Main St. East Aurora, NY

Brandon Mikolin / GES

Date: 5/4/20

Temperature : 71° Inside / 50° outside

System Status (Arrival): (Up) Down

System Status (Depature): (Up) Down

Notes: Running Normally

Notes: Monthy Sampling Performed

System Components			
Redux 380 Drum Level (In)	24.4	Feed Rate (ml/min)	—
Remaing Agent (x1.7)	41.48	Pump Pressure (psi)	—
Influent Pump in Use	#1 : Yes	#2 : No	
Air Stripper Influent Pump Pressure	5	—	
Air Stripper Blower in Use :	#1 : Yes	#2 : No	
Air Stripper Pressure (in H_2o)	0.6		
Air Stripper Differential Pressure (in H_2o)		—	
Discharge Pressure (in H_2o)	3		
Effluent Pump In Use :	#1 : Yes	#2 : No	
Effluent Pump Pressure (psi)	2 Psi		
Effluent Flow Rate (GPM)	80		
Effluent Totalizer (gal)	86,344,484		
Building Heaters in Use	Yes		
Inside Temperature (F)	71.4		
Sump Pump In Use	Yes 1/2 Full		
Sump Water Level	1/2 Full		

Well Pumps		
Pump	Status	Level (ft)
RW-1	OFF	14
RW-2	OFF	11
RW-3	OFF	12
RW-4	ON	4
RW-5	ON	5
RW-6	ON	7
RW-7	ON	7
RW-8	ON	7
Equilization Tank	ON	4
Influent Flow Rate (GPM)	6.12	
Influent Totalizer (Gal)	19513231	
Last Alarm	4/21/20 Low Pressure.	

Bag Filters (psi)			
#1 In	2	#2 In	6
#1 Out	0	#2 Out	0

Air Stripper Bubblers (SCFM)			
#1	7	#2	3.5

Sampling			
Samples Collected	(Yes)	No	
Air Stripper Effluent	Time : 0825	pH 8.58 Turbidity 4.70 Temp. 16.6 Sp.Cond. 2.881	ms/cm
Air Stripper Influent	Time : 0835	pH 7.40 Turbidity 1.85 Temp. 15.2 Sp.Cond. 2.917	

General Site Conditions		
Evidence of Well Tampering :	Yes	(No)
Manhole Inspection :	Yes	(No)
Electrical Box Inspection :	Yes	(No)
Water in Electrical Boxes :	Yes	(No)
Building Condition Inspected :	(Yes)	No

Subslab System Readings	
East Riser (ft/min)	543
West Riser(ft/min)	1162
Manometer Reading	1.3

Remarks and Describe any other system O&M or tasks performed while onsite : Monthly Samples taken

Drain SS condensate outside of building,

Perform Sitewide gausing.

Check for leaks, cleanup & secure site. Offsite @ 1430. (Burn)

5/4/20 0745 Brandon Mikolin / Peter Zaffram 46° / Cloudy

Onsite for weekly O&M, monthly sampling, monthly gauging

Review HASP, perform self assesments, review JLA's and PPE usage

System is up and running. Appears normal.

Collect samples for monthly compliance check.

Effluent Sample @ 0825 pH: 8.58 turb: 4.70 temp: 16.6°C Sp Cond 2.881 $\frac{ms}{cm}$

Influent Sample @ 0835 pH: 7.40 turb: 1.85 temp: 15.2°C Sp. Cond 2.917 $\frac{ms}{cm}$

Trip Blank @ 0800. Ice samples and place in cooler. Deliver this afternoon.

	Influent:	Effluent:	Redux 24.4" = 41.48gal
Totalizers	19,513,231	86,344,484	
	4/29 19,486,316	4/29 86,326,290	4/29 48.45gal
Pumped / Used ⇒	26,915 gal	18,194 gal	6.97gal

Perform System O&M and fill out checklist. Complete COVID-19 site questionaire & sign in form.

Complete sitewide gauging of all wells on the monthly list.

Check back on system - all appears normal.

Offsite @ 1300 to deliver samples to the lab.

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
April 2020 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-2020	Feb-2020	Mar-2020	Apr-2020	May-2020	Jun-2020
New York State E&G	1001-0310-422	EN-003229-0001-03TTO	Mr. C's Electric Costs				$ 1,204.20		
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	$ 73.03			
			Totals	**$ 285.23**	**$ 77.28**	**$ 73.03**	**$ 1,204.20**	**$ -**	**$ -**

	Jul-2020	Aug-2020	Sep-2020	Oct-2020	Nov-2020	Dec-2020
Mr. C's Electric Costs						
Mr. C's Natural Gas Costs						
Totals	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

Electric - Mr. C's	**$**	**1,204.20**
Natural Gas - Mr. C's	**$**	**435.54**
Grand Total - NYSE&G/National Fuel Gas Costs To Date	**$**	**1,639.74**

Notes:

Overbilled natural gas costs - no charges

Estimated Reading

Telephone

Utility Provider	Phone #	E&E Cost Center	Location Description	Jan-2020	Feb-2020	Mar-2020	Apr-2020	May-2020	Jun-2020
Granite Telecommunications								$ 57.22	
Account # 01890582	866-874-5500	EN-003229-0001-03TTO	Mr. C's Telephone Costs	**Jul-2020**	**Aug-2020**	**Sep-2020**	**Oct-2020**	**Nov-2020**	**Dec-2020**

Verizon Costs to Date - Mr. C's **$ 57.22**

Grand Total All Utilities To Date $ 1,696.96

Monthly Average Costs

Mr. C's Electric	N/A
Mr. C's Gas	$ 145.18
Mr. C's Telephone	N/A
Average Utility Cost Total	**$ 145.18**
12 Month Estimate	**$ 1,742.16**

Budget Remaining:		
	Electric:	$24,095.80
	Telephone:	$482.78
	Gas	$684.46
	Total:	$25,263.04