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

BUFFALO CORPORATE CENTER
368 Pleasant View Drive
Lancaster, New York 14086
Tel: (716) 684-8060, Fax: (716) 684-0844

October 20, 2021

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

Re: Mr. C's Dry Cleaners Site, Contract # D009807, Site # 915157
July 2021 Operations, Maintenance, and Monitoring Report

Dear Mr. Long:

Ecology and Environment Engineering and Geology, P.C. (E&E) is pleased to provide the July 2021 Operations, Maintenance, and Monitoring (OM&M) Report for the Mr. C's Dry Cleaners Site, NYSDEC Site # 915157, located in the Village of East Aurora, New York.

During the July 2021 reporting period, the treatment system was in operation from June 29, 2021 through August 3, 2021. The monthly OM&M sampling was performed on July 7, 2021, and the results were received from Eurofins on July 14, 2021 (See Attachment A). The effluent results for this effluent sample met the requirements of the SPDES Equivalency permit. A summary of field activities prepared by E&E's subcontractor, IYER Environmental Group, PLLC. (IEG), is provided in Attachment B.

In review of the on-site treatment system operations, monitoring and maintenance from IEG for July 2021, E&E offers the following comments and highlights:

Operational Summary:

- Based on inspection reports prepared by IEG, the remedial treatment system for the period of June 29, 2021 through August 3, 2021, had an approximate operational up-time of 100%, and 89,570 gallons of contaminated groundwater were treated during the reporting period. The treated effluent volumes and operational up-time can be seen in Table 1.
- The compliance samples from July 7, 2021 collected from the effluent sampling port met all requirements of the SPDES Equivalency permit. The effluent results are provided in Table 2.
- The analytical summary results of the July 7, 2021 samples revealed the total volatile organic contaminant concentrations of the influent to 3,767.3 µg/L and the concentration of total volatile organic contaminants in the effluent was 3.2 µg/L. The summary of influent and effluent contaminant concentrations for the July 2021 sampling are presented in Table 3. Figure 1 shows the influent and effluent VOC concentrations during each sampling event in 2018, 2019, 2020, and 2021.
- The Mr. C's treatment system, based on the total flows from the uptime operations and the July 7, 2021 sampling results, removed 2.82 lbs. of targeted contaminants from the

groundwater between June 29, 2021 through August 3, 2021. The cleanup effectiveness for July 2021 was approximately 99.9%. The calculations and data for the month are presented in Table 3. The mass of VOCs removed each month throughout 2018, 2019, 2020, and 2021 is shown in Figure 2.

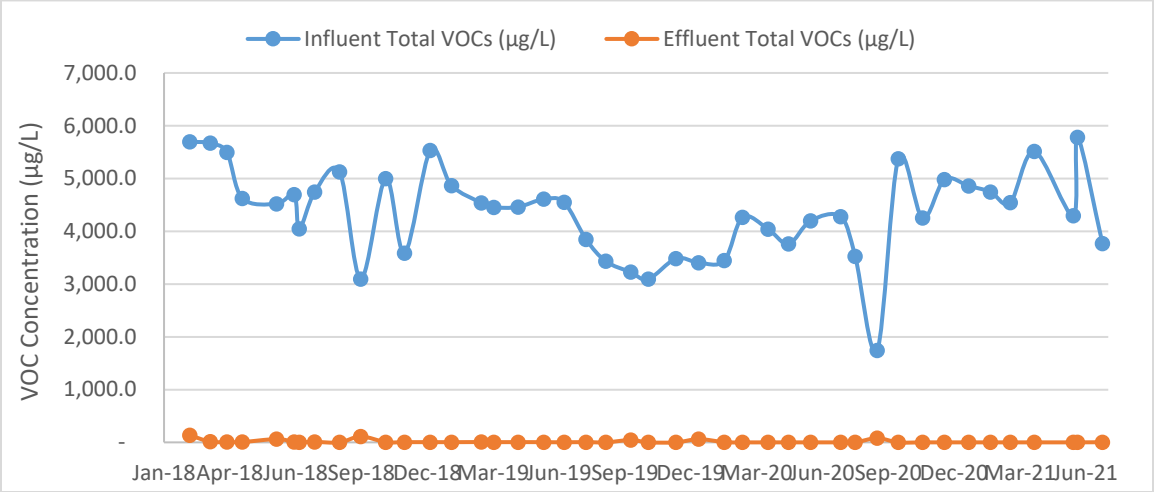

Figure 1: Monthly Influent and Effluent VOC concentrations - 2018 - 2021.

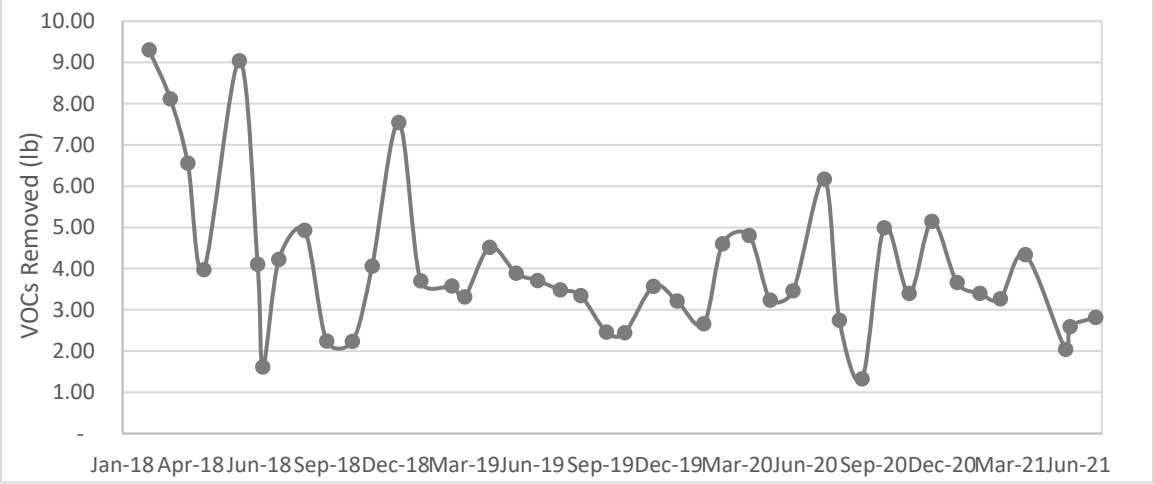

Figure 2: Mass of VOCs removed each month - 2018 - 2021.

Pumping Well Summary:

- Pumping wells PW-4, PW-5, PW-6, PW-7, and PW-8 were sampled on June 30, 2021. Results of the pumping well sampling event are provided in Table 4 and an excerpt from the analytical data package is provided in Attachment A. Figures 3 through 7 show the historical concentrations of cis-1,2-dichloroethene (cis-1,2-DCE), tetrachloroethene (PCE), and trichloroethene (TCE) throughout 2017 to 2021.
- Individual pumping well sampling will continue to be completed on a quarterly basis to monitor VOC concentrations.

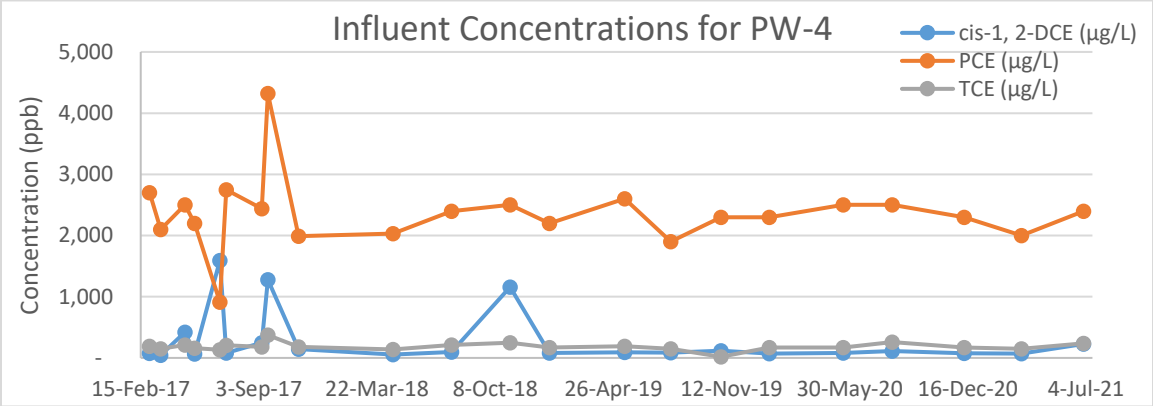

Figure 3: Influent concentrations of cis-1,2-DCE, PCE, and TCE - Pumping Well 4 (PW-4).

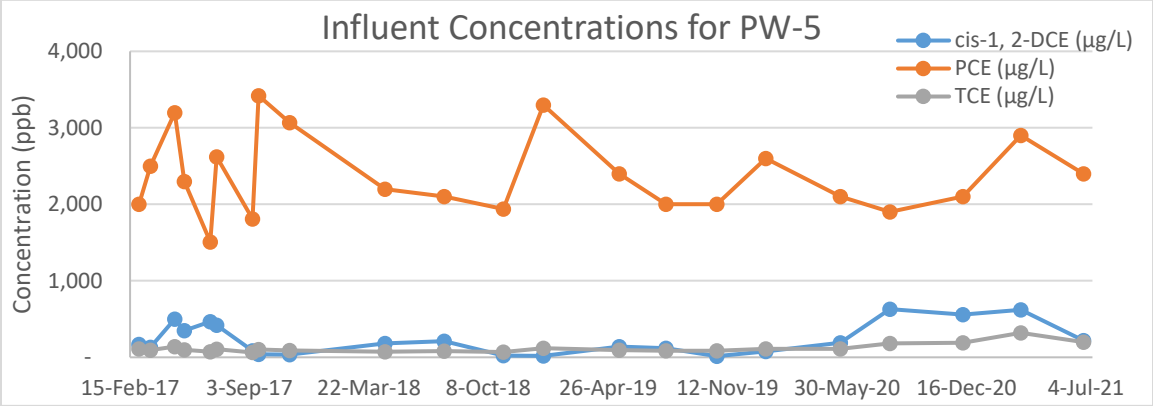

Figure 4: Influent concentrations of cis-1, 2-DCE, PCE, and TCE - Pumping Well 5 (PW-5).

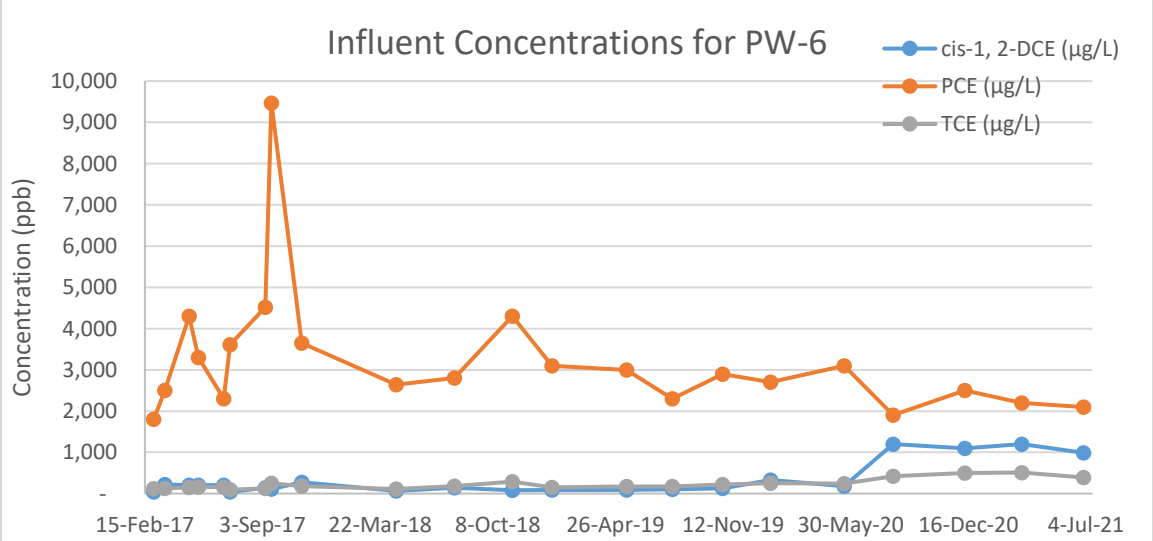

Figure 5: Influent concentrations of cis-1, 2-DCE, PCE, and TCE - Pumping Well 6 (PW-6).

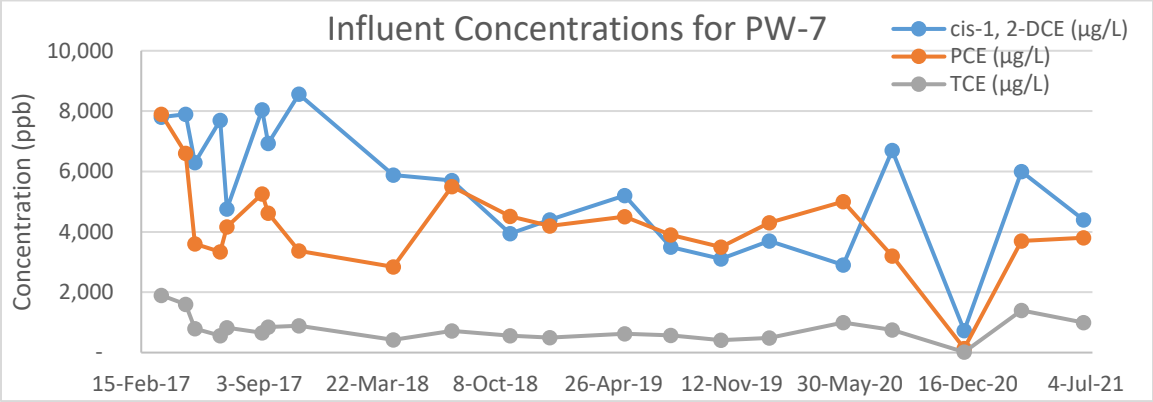

Figure 6: Influent concentrations of cis-1, 2-DCE, PCE, and TCE - Pumping Well 7 (PW-7).

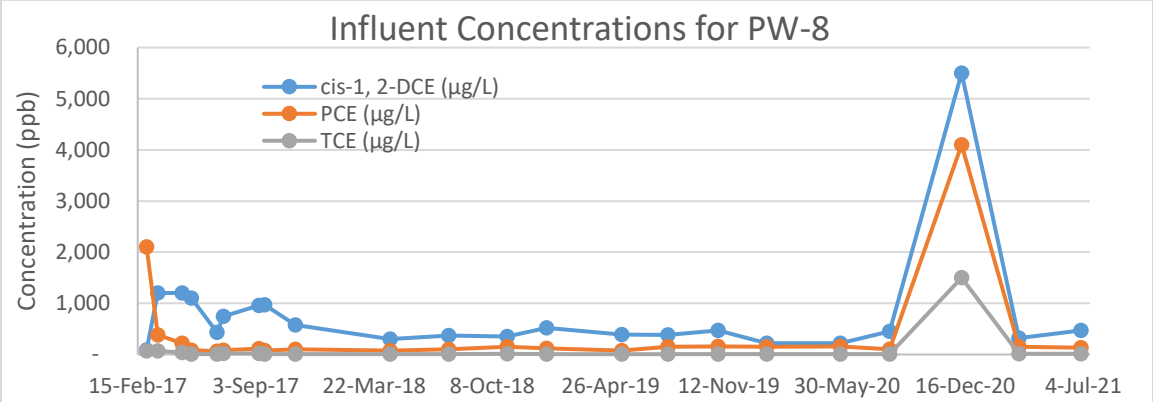

Figure 7: Influent concentrations of cis-1, 2-DCE, PCE, and TCE - Pumping Well 8 (PW-8).

If you have questions regarding the July 2021 OM&M report summary, please do not hesitate to contact me via e-mail at rebecca.knappert@wsp.com.

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

Rebecca Knappert
Project Manager

cc: M. Kuczka, Region 9, NYSDEC – Buffalo w/ attachments

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

Month	Sample Date	Up-time (Reporting Period)		Treated Effluent (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 01/04/21)		**156,098**	**91.77%**	**135,593,529**	**NA**	**NA**	**1,837.21**
January 05, 2021 to February 01, 2021	January 5, 2021	672	100.00%	90,369	4,860.0	0.00	3.66
February 02, 2021 to March 01, 2021	February 4, 2021	672	100.00%	85,728	4,747.0	0.00	3.40
March 02, 2021 to March 29, 2021	March 3, 2021	672	100.00%	86,158	4,542.0	0.00	3.27
March 30, 2021 to May 03, 2021	April 5, 2021	840	100.00%	94,313	5,514.0	0.00	4.34
May 04, 2021 to June 01, 2021	May 4, 2021	432	62.07%	56,953	4,296.0	0.00	2.04
June 02, 2021 to June 28, 2021	June 3, 2021	648	100.00%	53,615	5,780.0	0.00	2.59
June 29, 2021 to August 03, 2021	July 7, 2021	864	100.00%	89,570	3,767.3	3.20	2.82
Total in 2021		**4,800**	**94.79%**	**556,706**	**NA**	**NA**	**22.11**
Total from startup		**160,898**	**91.86%**	**136,150,235**	**NA**	**NA**	**1,859.32**

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 and 6/17/2020 to present. GES operated the system from 2/24/20 to 6/17/20.
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:

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

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	July 7, 2021 Effluent Analytical Values
Flow (Average)[2]	N/A	gpd	2,488
pH	6.0 - 9.0	standard units	7.4
1,1 Dichloroethene	10	µg/L	ND(<1.0)
cis-1,2-dichloroethene (cis-1,2-DCE)	10	µg/L	ND(<1.0)
Trichloroethene (TCE)	10	µg/L	ND(<1.0)
Tetrachloroethene (PCE)	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(<2.0)
m, p-Xylene[3]	10	µg/L	ND(<2.0)
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	508
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:

   June 29, 2021 through August 3, 2021 = 2,488 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
July 2021 VOC Analytical Summary

Compound	Based on the July 7, 2021 Effluent Analytical Results				
	Influent Concentration (ug/L)		Effluent Concentration (ug/L)		Treatment Efficiency* (%)
Acetone	ND(<400)	U	3.2	J	NA
Benzene	ND(<40)	U	ND(<1.0)	U	NA
2-Butanone	ND(<400)	U	ND(<10)	U	NA
1,1-Dichloroethene	ND (<40)	U	ND(<1.0)	U	NA
cis-1, 2-Dichloroethene	1,200		ND(<1.0)	U	100.00%
Chloroform	ND(<40)	U	ND(<1.0)	U	NA
Chloromethane	ND(<40)	U	ND(<1.0)	U	NA
Methylene chloride	ND(<40)	U	ND (<1.0)	U	NA
Methyl tert-butyl ether (MTBE)	7.5	J	ND(<1.0)	U	100.00%
Methyl acetate	ND(<100)	U	ND(<2.5)	U	NA
Tetrachloroethene (PCE)	2,100		ND(<1.0)	U	100.00%
Toluene	ND(<40)	U	ND(<1.0)	U	NA
Trichloroethene (TCE)	400		ND(<1.0)	U	100.00%
Carbon Disulfide	ND(<40)	U	ND(<1.0)	U	NA
1,1,2 Trichloro-1,2,2-trifluororethane	ND(<40)	U	ND(<1.0)	U	NA
2-Hexanone	ND(<200)	U	ND(<5.0)	U	NA
4-Methyl-2-pentanone	ND(<200)	U	ND(<5.0)	U	NA
Cyclohexane	ND(<40)	U	ND(<1.0)	U	NA
trans-1,2-dichloroethene	ND(<40)	U	ND(<1.0)	U	NA
Chlorobenzene	ND(<40)	U	ND(<1.0)	U	NA
Methylcyclohexane	ND(<40)	U	ND(<1.0)	U	NA
Ethylbenzene	ND(<40)	U	ND(<1.0)	U	NA
Vinyl Chloride	63		ND(<1.0)	U	100.00%
Total Xylenes	ND(<80)	U	ND(<2.0)	U	NA
TOTAL:	**3,771**		**3.2**		**99.92%**

Notes:

1. The efficiency cleanup values are calculated based on the July 7, 2021 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. "F2" = MS/MSD relative percent difference 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
Excerpts from the Groundwater Treatment System Analytical Report from Eurofins TestAmerica

Analytical Data Package Work Order ID: J186680
Sampled by IEG: June 30, 2021
Report Received: July 2, 2021

Analytical Data Package Work Order ID: J186925
Sampled by IEG: July 7, 2021
Report Received: July 14, 2021

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 480-186680-1
Client Project/Site: Mr. C's OM&M

For:
Ecology and Environment, Inc.
368 Pleasant View Drive
Lancaster, New York 14086

Attn: Ashlee Smith

Authorized for release by:
7/2/2021 2:56:31 PM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

Definitions/Glossary

Client: Ecology and Environment, Inc.
Job ID: 480-186680-1
Project/Site: Mr. C's OM&M

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)
TNTC	Too Numerous To Count

Case Narrative

Client: Ecology and Environment, Inc.
Project/Site: Mr. C's OM&M

Job ID: 480-186680-1

Job ID: 480-186680-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-186680-1

Comments
No additional comments.

Receipt
The samples were received on 6/30/2021 1:08 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.4º C.

GC/MS VOA
Method 8260C: The analyte, Methylene Chloride, was detected in the dilution analysis of the following samples: PW-4 (480-186680-1), PW-5 (480-186680-2), PW-6 (480-186680-3), PW-7 (480-186680-4), PW-8 (480-186680-5) and (MB 480-587650/8). This is a common lab contaminate. Additional manipulation of the sample is required to analyze a sample at a dilution, therefore, the sample detection for Methylene Chloride in the analysis may potentially be due to laboratory contamination and should be evaluated accordingly.

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: PW-4 (480-186680-1), PW-5 (480-186680-2), PW-6 (480-186680-3), PW-7 (480-186680-4) and PW-8 (480-186680-5). 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.

Detection Summary

Client: Ecology and Environment, Inc.
Project/Site: Mr. C's OM&M

Job ID: 480-186680-1

Client Sample ID: PW-4 — Lab Sample ID: 480-186680-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	230		40	32	ug/L	40		8260C	Total/NA
Methylene Chloride	55	B	40	18	ug/L	40		8260C	Total/NA
Tetrachloroethene	2400		40	14	ug/L	40		8260C	Total/NA
Trichloroethene	240		40	18	ug/L	40		8260C	Total/NA

Client Sample ID: PW-5 — Lab Sample ID: 480-186680-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	220		40	32	ug/L	40		8260C	Total/NA
Methylene Chloride	45	B	40	18	ug/L	40		8260C	Total/NA
Tetrachloroethene	2400		40	14	ug/L	40		8260C	Total/NA
Trichloroethene	200		40	18	ug/L	40		8260C	Total/NA

Client Sample ID: PW-6 — Lab Sample ID: 480-186680-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	990		40	32	ug/L	40		8260C	Total/NA
Methyl tert-butyl ether	11	J	40	6.4	ug/L	40		8260C	Total/NA
Methylene Chloride	46	B	40	18	ug/L	40		8260C	Total/NA
Tetrachloroethene	2100		40	14	ug/L	40		8260C	Total/NA
Trichloroethene	390		40	18	ug/L	40		8260C	Total/NA
Vinyl chloride	52		40	36	ug/L	40		8260C	Total/NA

Client Sample ID: PW-7 — Lab Sample ID: 480-186680-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	4400		100	81	ug/L	100		8260C	Total/NA
Methylene Chloride	220	B	100	44	ug/L	100		8260C	Total/NA
Tetrachloroethene	3800		100	36	ug/L	100		8260C	Total/NA
Trichloroethene	990		100	46	ug/L	100		8260C	Total/NA
Vinyl chloride	760		100	90	ug/L	100		8260C	Total/NA

Client Sample ID: PW-8 — Lab Sample ID: 480-186680-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	470		8.0	6.5	ug/L	8		8260C	Total/NA
Methyl tert-butyl ether	12		8.0	1.3	ug/L	8		8260C	Total/NA
Methylene Chloride	17	B	8.0	3.5	ug/L	8		8260C	Total/NA
Tetrachloroethene	130		8.0	2.9	ug/L	8		8260C	Total/NA
Trichloroethene	13		8.0	3.7	ug/L	8		8260C	Total/NA
Vinyl chloride	48		8.0	7.2	ug/L	8		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Ecology and Environment, Inc.
Project/Site: Mr. C's OM&M

Job ID: 480-186680-1

Client Sample ID: PW-4
Date Collected: 06/30/21 00:00
Date Received: 06/30/21 13:08

Lab Sample ID: 480-186680-1
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	40	U	40	33	ug/L			07/01/21 05:58	40
1,1,2,2-Tetrachloroethane	40	U	40	8.4	ug/L			07/01/21 05:58	40
1,1,2-Trichloro-1,2,2-trifluoroethane	40	U	40	12	ug/L			07/01/21 05:58	40
1,1,2-Trichloroethane	40	U	40	9.2	ug/L			07/01/21 05:58	40
1,1-Dichloroethane	40	U	40	15	ug/L			07/01/21 05:58	40
1,1-Dichloroethene	40	U	40	12	ug/L			07/01/21 05:58	40
1,2,4-Trichlorobenzene	40	U	40	16	ug/L			07/01/21 05:58	40
1,2-Dibromo-3-Chloropropane	40	U	40	16	ug/L			07/01/21 05:58	40
1,2-Dibromoethane	40	U	40	29	ug/L			07/01/21 05:58	40
1,2-Dichlorobenzene	40	U	40	32	ug/L			07/01/21 05:58	40
1,2-Dichloroethane	40	U	40	8.4	ug/L			07/01/21 05:58	40
1,2-Dichloropropane	40	U	40	29	ug/L			07/01/21 05:58	40
1,3-Dichlorobenzene	40	U	40	31	ug/L			07/01/21 05:58	40
1,4-Dichlorobenzene	40	U	40	34	ug/L			07/01/21 05:58	40
2-Butanone (MEK)	400	U	400	53	ug/L			07/01/21 05:58	40
2-Hexanone	200	U	200	50	ug/L			07/01/21 05:58	40
4-Methyl-2-pentanone (MIBK)	200	U	200	84	ug/L			07/01/21 05:58	40
Acetone	400	U	400	120	ug/L			07/01/21 05:58	40
Benzene	40	U	40	16	ug/L			07/01/21 05:58	40
Bromodichloromethane	40	U	40	16	ug/L			07/01/21 05:58	40
Bromoform	40	U	40	10	ug/L			07/01/21 05:58	40
Bromomethane	40	U	40	28	ug/L			07/01/21 05:58	40
Carbon disulfide	40	U	40	7.6	ug/L			07/01/21 05:58	40
Carbon tetrachloride	40	U	40	11	ug/L			07/01/21 05:58	40
Chlorobenzene	40	U	40	30	ug/L			07/01/21 05:58	40
Chloroethane	40	U	40	13	ug/L			07/01/21 05:58	40
Chloroform	40	U	40	14	ug/L			07/01/21 05:58	40
Chloromethane	40	U	40	14	ug/L			07/01/21 05:58	40
cis-1,2-Dichloroethene	**230**		40	32	ug/L			07/01/21 05:58	40
cis-1,3-Dichloropropene	40	U	40	14	ug/L			07/01/21 05:58	40
Cyclohexane	40	U	40	7.2	ug/L			07/01/21 05:58	40
Dibromochloromethane	40	U	40	13	ug/L			07/01/21 05:58	40
Dichlorodifluoromethane	40	U	40	27	ug/L			07/01/21 05:58	40
Ethylbenzene	40	U	40	30	ug/L			07/01/21 05:58	40
Isopropylbenzene	40	U	40	32	ug/L			07/01/21 05:58	40
Methyl acetate	100	U	100	52	ug/L			07/01/21 05:58	40
Methyl tert-butyl ether	40	U	40	6.4	ug/L			07/01/21 05:58	40
Methylcyclohexane	40	U	40	6.4	ug/L			07/01/21 05:58	40
Methylene Chloride	**55**	**B**	40	18	ug/L			07/01/21 05:58	40
Styrene	40	U	40	29	ug/L			07/01/21 05:58	40
Tetrachloroethene	**2400**		40	14	ug/L			07/01/21 05:58	40
Toluene	40	U	40	20	ug/L			07/01/21 05:58	40
trans-1,2-Dichloroethene	40	U	40	36	ug/L			07/01/21 05:58	40
trans-1,3-Dichloropropene	40	U	40	15	ug/L			07/01/21 05:58	40
Trichloroethene	**240**		40	18	ug/L			07/01/21 05:58	40
Trichlorofluoromethane	40	U	40	35	ug/L			07/01/21 05:58	40
Vinyl chloride	40	U	40	36	ug/L			07/01/21 05:58	40
Xylenes, Total	80	U	80	26	ug/L			07/01/21 05:58	40

Client: Ecology and Environment, Inc.
Project/Site: Mr. C's OM&M

Job ID: 480-186680-1

Client Sample ID: PW-4
Date Collected: 06/30/21 00:00
Date Received: 06/30/21 13:08

Lab Sample ID: 480-186680-1
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		07/01/21 05:58	40
4-Bromofluorobenzene (Surr)	86		73 - 120		07/01/21 05:58	40
Dibromofluoromethane (Surr)	106		75 - 123		07/01/21 05:58	40
Toluene-d8 (Surr)	94		80 - 120		07/01/21 05:58	40

Client: Ecology and Environment, Inc.
Project/Site: Mr. C's OM&M

Job ID: 480-186680-1

Client Sample ID: PW-5
Date Collected: 06/30/21 00:00
Date Received: 06/30/21 13:08

Lab Sample ID: 480-186680-2
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	40	U	40	33	ug/L			07/01/21 06:20	40
1,1,2,2-Tetrachloroethane	40	U	40	8.4	ug/L			07/01/21 06:20	40
1,1,2-Trichloro-1,2,2-trifluoroethane	40	U	40	12	ug/L			07/01/21 06:20	40
1,1,2-Trichloroethane	40	U	40	9.2	ug/L			07/01/21 06:20	40
1,1-Dichloroethane	40	U	40	15	ug/L			07/01/21 06:20	40
1,1-Dichloroethene	40	U	40	12	ug/L			07/01/21 06:20	40
1,2,4-Trichlorobenzene	40	U	40	16	ug/L			07/01/21 06:20	40
1,2-Dibromo-3-Chloropropane	40	U	40	16	ug/L			07/01/21 06:20	40
1,2-Dibromoethane	40	U	40	29	ug/L			07/01/21 06:20	40
1,2-Dichlorobenzene	40	U	40	32	ug/L			07/01/21 06:20	40
1,2-Dichloroethane	40	U	40	8.4	ug/L			07/01/21 06:20	40
1,2-Dichloropropane	40	U	40	29	ug/L			07/01/21 06:20	40
1,3-Dichlorobenzene	40	U	40	31	ug/L			07/01/21 06:20	40
1,4-Dichlorobenzene	40	U	40	34	ug/L			07/01/21 06:20	40
2-Butanone (MEK)	400	U	400	53	ug/L			07/01/21 06:20	40
2-Hexanone	200	U	200	50	ug/L			07/01/21 06:20	40
4-Methyl-2-pentanone (MIBK)	200	U	200	84	ug/L			07/01/21 06:20	40
Acetone	400	U	400	120	ug/L			07/01/21 06:20	40
Benzene	40	U	40	16	ug/L			07/01/21 06:20	40
Bromodichloromethane	40	U	40	16	ug/L			07/01/21 06:20	40
Bromoform	40	U	40	10	ug/L			07/01/21 06:20	40
Bromomethane	40	U	40	28	ug/L			07/01/21 06:20	40
Carbon disulfide	40	U	40	7.6	ug/L			07/01/21 06:20	40
Carbon tetrachloride	40	U	40	11	ug/L			07/01/21 06:20	40
Chlorobenzene	40	U	40	30	ug/L			07/01/21 06:20	40
Chloroethane	40	U	40	13	ug/L			07/01/21 06:20	40
Chloroform	40	U	40	14	ug/L			07/01/21 06:20	40
Chloromethane	40	U	40	14	ug/L			07/01/21 06:20	40
cis-1,2-Dichloroethene	**220**		40	32	ug/L			07/01/21 06:20	40
cis-1,3-Dichloropropene	40	U	40	14	ug/L			07/01/21 06:20	40
Cyclohexane	40	U	40	7.2	ug/L			07/01/21 06:20	40
Dibromochloromethane	40	U	40	13	ug/L			07/01/21 06:20	40
Dichlorodifluoromethane	40	U	40	27	ug/L			07/01/21 06:20	40
Ethylbenzene	40	U	40	30	ug/L			07/01/21 06:20	40
Isopropylbenzene	40	U	40	32	ug/L			07/01/21 06:20	40
Methyl acetate	100	U	100	52	ug/L			07/01/21 06:20	40
Methyl tert-butyl ether	40	U	40	6.4	ug/L			07/01/21 06:20	40
Methylcyclohexane	40	U	40	6.4	ug/L			07/01/21 06:20	40
Methylene Chloride	**45**	**B**	40	18	ug/L			07/01/21 06:20	40
Styrene	40	U	40	29	ug/L			07/01/21 06:20	40
Tetrachloroethene	**2400**		40	14	ug/L			07/01/21 06:20	40
Toluene	40	U	40	20	ug/L			07/01/21 06:20	40
trans-1,2-Dichloroethene	40	U	40	36	ug/L			07/01/21 06:20	40
trans-1,3-Dichloropropene	40	U	40	15	ug/L			07/01/21 06:20	40
Trichloroethene	**200**		40	18	ug/L			07/01/21 06:20	40
Trichlorofluoromethane	40	U	40	35	ug/L			07/01/21 06:20	40
Vinyl chloride	40	U	40	36	ug/L			07/01/21 06:20	40
Xylenes, Total	80	U	80	26	ug/L			07/01/21 06:20	40

Client: Ecology and Environment, Inc.
Project/Site: Mr. C's OM&M

Job ID: 480-186680-1

Client Sample ID: PW-5
Date Collected: 06/30/21 00:00
Date Received: 06/30/21 13:08

Lab Sample ID: 480-186680-2
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		07/01/21 06:20	40
4-Bromofluorobenzene (Surr)	83		73 - 120		07/01/21 06:20	40
Dibromofluoromethane (Surr)	103		75 - 123		07/01/21 06:20	40
Toluene-d8 (Surr)	93		80 - 120		07/01/21 06:20	40

Client: Ecology and Environment, Inc.
Project/Site: Mr. C's OM&M

Job ID: 480-186680-1

Client Sample ID: PW-6
Date Collected: 06/30/21 00:00
Date Received: 06/30/21 13:08

Lab Sample ID: 480-186680-3
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	40	U	40	33	ug/L			07/01/21 06:42	40
1,1,2,2-Tetrachloroethane	40	U	40	8.4	ug/L			07/01/21 06:42	40
1,1,2-Trichloro-1,2,2-trifluoroethane	40	U	40	12	ug/L			07/01/21 06:42	40
1,1,2-Trichloroethane	40	U	40	9.2	ug/L			07/01/21 06:42	40
1,1-Dichloroethane	40	U	40	15	ug/L			07/01/21 06:42	40
1,1-Dichloroethene	40	U	40	12	ug/L			07/01/21 06:42	40
1,2,4-Trichlorobenzene	40	U	40	16	ug/L			07/01/21 06:42	40
1,2-Dibromo-3-Chloropropane	40	U	40	16	ug/L			07/01/21 06:42	40
1,2-Dibromoethane	40	U	40	29	ug/L			07/01/21 06:42	40
1,2-Dichlorobenzene	40	U	40	32	ug/L			07/01/21 06:42	40
1,2-Dichloroethane	40	U	40	8.4	ug/L			07/01/21 06:42	40
1,2-Dichloropropane	40	U	40	29	ug/L			07/01/21 06:42	40
1,3-Dichlorobenzene	40	U	40	31	ug/L			07/01/21 06:42	40
1,4-Dichlorobenzene	40	U	40	34	ug/L			07/01/21 06:42	40
2-Butanone (MEK)	400	U	400	53	ug/L			07/01/21 06:42	40
2-Hexanone	200	U	200	50	ug/L			07/01/21 06:42	40
4-Methyl-2-pentanone (MIBK)	200	U	200	84	ug/L			07/01/21 06:42	40
Acetone	400	U	400	120	ug/L			07/01/21 06:42	40
Benzene	40	U	40	16	ug/L			07/01/21 06:42	40
Bromodichloromethane	40	U	40	16	ug/L			07/01/21 06:42	40
Bromoform	40	U	40	10	ug/L			07/01/21 06:42	40
Bromomethane	40	U	40	28	ug/L			07/01/21 06:42	40
Carbon disulfide	40	U	40	7.6	ug/L			07/01/21 06:42	40
Carbon tetrachloride	40	U	40	11	ug/L			07/01/21 06:42	40
Chlorobenzene	40	U	40	30	ug/L			07/01/21 06:42	40
Chloroethane	40	U	40	13	ug/L			07/01/21 06:42	40
Chloroform	40	U	40	14	ug/L			07/01/21 06:42	40
Chloromethane	40	U	40	14	ug/L			07/01/21 06:42	40
cis-1,2-Dichloroethene	**990**		40	32	ug/L			07/01/21 06:42	40
cis-1,3-Dichloropropene	40	U	40	14	ug/L			07/01/21 06:42	40
Cyclohexane	40	U	40	7.2	ug/L			07/01/21 06:42	40
Dibromochloromethane	40	U	40	13	ug/L			07/01/21 06:42	40
Dichlorodifluoromethane	40	U	40	27	ug/L			07/01/21 06:42	40
Ethylbenzene	40	U	40	30	ug/L			07/01/21 06:42	40
Isopropylbenzene	40	U	40	32	ug/L			07/01/21 06:42	40
Methyl acetate	100	U	100	52	ug/L			07/01/21 06:42	40
Methyl tert-butyl ether	**11**	**J**	40	6.4	ug/L			07/01/21 06:42	40
Methylcyclohexane	40	U	40	6.4	ug/L			07/01/21 06:42	40
Methylene Chloride	**46**	**B**	40	18	ug/L			07/01/21 06:42	40
Styrene	40	U	40	29	ug/L			07/01/21 06:42	40
Tetrachloroethene	**2100**		40	14	ug/L			07/01/21 06:42	40
Toluene	40	U	40	20	ug/L			07/01/21 06:42	40
trans-1,2-Dichloroethene	40	U	40	36	ug/L			07/01/21 06:42	40
trans-1,3-Dichloropropene	40	U	40	15	ug/L			07/01/21 06:42	40
Trichloroethene	**390**		40	18	ug/L			07/01/21 06:42	40
Trichlorofluoromethane	40	U	40	35	ug/L			07/01/21 06:42	40
Vinyl chloride	**52**		40	36	ug/L			07/01/21 06:42	40
Xylenes, Total	80	U	80	26	ug/L			07/01/21 06:42	40

Client: Ecology and Environment, Inc.
Project/Site: Mr. C's OM&M

Job ID: 480-186680-1

Client Sample ID: PW-6
Date Collected: 06/30/21 00:00
Date Received: 06/30/21 13:08

Lab Sample ID: 480-186680-3
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		07/01/21 06:42	40
4-Bromofluorobenzene (Surr)	94		73 - 120		07/01/21 06:42	40
Dibromofluoromethane (Surr)	105		75 - 123		07/01/21 06:42	40
Toluene-d8 (Surr)	95		80 - 120		07/01/21 06:42	40

Client: Ecology and Environment, Inc.
Project/Site: Mr. C's OM&M

Job ID: 480-186680-1

Client Sample ID: PW-7
Date Collected: 06/30/21 00:00
Date Received: 06/30/21 13:08

Lab Sample ID: 480-186680-4
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	100	U	100	82	ug/L			07/01/21 07:04	100
1,1,2,2-Tetrachloroethane	100	U	100	21	ug/L			07/01/21 07:04	100
1,1,2-Trichloro-1,2,2-trifluoroethane	100	U	100	31	ug/L			07/01/21 07:04	100
1,1,2-Trichloroethane	100	U	100	23	ug/L			07/01/21 07:04	100
1,1-Dichloroethane	100	U	100	38	ug/L			07/01/21 07:04	100
1,1-Dichloroethene	100	U	100	29	ug/L			07/01/21 07:04	100
1,2,4-Trichlorobenzene	100	U	100	41	ug/L			07/01/21 07:04	100
1,2-Dibromo-3-Chloropropane	100	U	100	39	ug/L			07/01/21 07:04	100
1,2-Dibromoethane	100	U	100	73	ug/L			07/01/21 07:04	100
1,2-Dichlorobenzene	100	U	100	79	ug/L			07/01/21 07:04	100
1,2-Dichloroethane	100	U	100	21	ug/L			07/01/21 07:04	100
1,2-Dichloropropane	100	U	100	72	ug/L			07/01/21 07:04	100
1,3-Dichlorobenzene	100	U	100	78	ug/L			07/01/21 07:04	100
1,4-Dichlorobenzene	100	U	100	84	ug/L			07/01/21 07:04	100
2-Butanone (MEK)	1000	U	1000	130	ug/L			07/01/21 07:04	100
2-Hexanone	500	U	500	120	ug/L			07/01/21 07:04	100
4-Methyl-2-pentanone (MIBK)	500	U	500	210	ug/L			07/01/21 07:04	100
Acetone	1000	U	1000	300	ug/L			07/01/21 07:04	100
Benzene	100	U	100	41	ug/L			07/01/21 07:04	100
Bromodichloromethane	100	U	100	39	ug/L			07/01/21 07:04	100
Bromoform	100	U	100	26	ug/L			07/01/21 07:04	100
Bromomethane	100	U	100	69	ug/L			07/01/21 07:04	100
Carbon disulfide	100	U	100	19	ug/L			07/01/21 07:04	100
Carbon tetrachloride	100	U	100	27	ug/L			07/01/21 07:04	100
Chlorobenzene	100	U	100	75	ug/L			07/01/21 07:04	100
Chloroethane	100	U	100	32	ug/L			07/01/21 07:04	100
Chloroform	100	U	100	34	ug/L			07/01/21 07:04	100
Chloromethane	100	U	100	35	ug/L			07/01/21 07:04	100
cis-1,2-Dichloroethene	**4400**		100	81	ug/L			07/01/21 07:04	100
cis-1,3-Dichloropropene	100	U	100	36	ug/L			07/01/21 07:04	100
Cyclohexane	100	U	100	18	ug/L			07/01/21 07:04	100
Dibromochloromethane	100	U	100	32	ug/L			07/01/21 07:04	100
Dichlorodifluoromethane	100	U	100	68	ug/L			07/01/21 07:04	100
Ethylbenzene	100	U	100	74	ug/L			07/01/21 07:04	100
Isopropylbenzene	100	U	100	79	ug/L			07/01/21 07:04	100
Methyl acetate	250	U	250	130	ug/L			07/01/21 07:04	100
Methyl tert-butyl ether	100	U	100	16	ug/L			07/01/21 07:04	100
Methylcyclohexane	100	U	100	16	ug/L			07/01/21 07:04	100
Methylene Chloride	**220**	**B**	100	44	ug/L			07/01/21 07:04	100
Styrene	100	U	100	73	ug/L			07/01/21 07:04	100
Tetrachloroethene	**3800**		100	36	ug/L			07/01/21 07:04	100
Toluene	100	U	100	51	ug/L			07/01/21 07:04	100
trans-1,2-Dichloroethene	100	U	100	90	ug/L			07/01/21 07:04	100
trans-1,3-Dichloropropene	100	U	100	37	ug/L			07/01/21 07:04	100
Trichloroethene	**990**		100	46	ug/L			07/01/21 07:04	100
Trichlorofluoromethane	100	U	100	88	ug/L			07/01/21 07:04	100
Vinyl chloride	**760**		100	90	ug/L			07/01/21 07:04	100
Xylenes, Total	200	U	200	66	ug/L			07/01/21 07:04	100

Client: Ecology and Environment, Inc.
Project/Site: Mr. C's OM&M

Job ID: 480-186680-1

Client Sample ID: PW-7
Date Collected: 06/30/21 00:00
Date Received: 06/30/21 13:08

Lab Sample ID: 480-186680-4
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		07/01/21 07:04	100
4-Bromofluorobenzene (Surr)	84		73 - 120		07/01/21 07:04	100
Dibromofluoromethane (Surr)	102		75 - 123		07/01/21 07:04	100
Toluene-d8 (Surr)	91		80 - 120		07/01/21 07:04	100

Client: Ecology and Environment, Inc.
Project/Site: Mr. C's OM&M

Job ID: 480-186680-1

Client Sample ID: PW-8
Date Collected: 06/30/21 00:00
Date Received: 06/30/21 13:08

Lab Sample ID: 480-186680-5
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	8.0	U	8.0	6.6	ug/L			07/01/21 07:27	8
1,1,2,2-Tetrachloroethane	8.0	U	8.0	1.7	ug/L			07/01/21 07:27	8
1,1,2-Trichloro-1,2,2-trifluoroethane	8.0	U	8.0	2.5	ug/L			07/01/21 07:27	8
1,1,2-Trichloroethane	8.0	U	8.0	1.8	ug/L			07/01/21 07:27	8
1,1-Dichloroethane	8.0	U	8.0	3.0	ug/L			07/01/21 07:27	8
1,1-Dichloroethene	8.0	U	8.0	2.3	ug/L			07/01/21 07:27	8
1,2,4-Trichlorobenzene	8.0	U	8.0	3.3	ug/L			07/01/21 07:27	8
1,2-Dibromo-3-Chloropropane	8.0	U	8.0	3.1	ug/L			07/01/21 07:27	8
1,2-Dibromoethane	8.0	U	8.0	5.8	ug/L			07/01/21 07:27	8
1,2-Dichlorobenzene	8.0	U	8.0	6.3	ug/L			07/01/21 07:27	8
1,2-Dichloroethane	8.0	U	8.0	1.7	ug/L			07/01/21 07:27	8
1,2-Dichloropropane	8.0	U	8.0	5.8	ug/L			07/01/21 07:27	8
1,3-Dichlorobenzene	8.0	U	8.0	6.2	ug/L			07/01/21 07:27	8
1,4-Dichlorobenzene	8.0	U	8.0	6.7	ug/L			07/01/21 07:27	8
2-Butanone (MEK)	80	U	80	11	ug/L			07/01/21 07:27	8
2-Hexanone	40	U	40	9.9	ug/L			07/01/21 07:27	8
4-Methyl-2-pentanone (MIBK)	40	U	40	17	ug/L			07/01/21 07:27	8
Acetone	80	U	80	24	ug/L			07/01/21 07:27	8
Benzene	8.0	U	8.0	3.3	ug/L			07/01/21 07:27	8
Bromodichloromethane	8.0	U	8.0	3.1	ug/L			07/01/21 07:27	8
Bromoform	8.0	U	8.0	2.1	ug/L			07/01/21 07:27	8
Bromomethane	8.0	U	8.0	5.5	ug/L			07/01/21 07:27	8
Carbon disulfide	8.0	U	8.0	1.5	ug/L			07/01/21 07:27	8
Carbon tetrachloride	8.0	U	8.0	2.2	ug/L			07/01/21 07:27	8
Chlorobenzene	8.0	U	8.0	6.0	ug/L			07/01/21 07:27	8
Chloroethane	8.0	U	8.0	2.6	ug/L			07/01/21 07:27	8
Chloroform	8.0	U	8.0	2.7	ug/L			07/01/21 07:27	8
Chloromethane	8.0	U	8.0	2.8	ug/L			07/01/21 07:27	8
cis-1,2-Dichloroethene	**470**		8.0	6.5	ug/L			07/01/21 07:27	8
cis-1,3-Dichloropropene	8.0	U	8.0	2.9	ug/L			07/01/21 07:27	8
Cyclohexane	8.0	U	8.0	1.4	ug/L			07/01/21 07:27	8
Dibromochloromethane	8.0	U	8.0	2.6	ug/L			07/01/21 07:27	8
Dichlorodifluoromethane	8.0	U	8.0	5.4	ug/L			07/01/21 07:27	8
Ethylbenzene	8.0	U	8.0	5.9	ug/L			07/01/21 07:27	8
Isopropylbenzene	8.0	U	8.0	6.3	ug/L			07/01/21 07:27	8
Methyl acetate	20	U	20	10	ug/L			07/01/21 07:27	8
Methyl tert-butyl ether	**12**		8.0	1.3	ug/L			07/01/21 07:27	8
Methylcyclohexane	8.0	U	8.0	1.3	ug/L			07/01/21 07:27	8
Methylene Chloride	**17**	**B**	8.0	3.5	ug/L			07/01/21 07:27	8
Styrene	8.0	U	8.0	5.8	ug/L			07/01/21 07:27	8
Tetrachloroethene	**130**		8.0	2.9	ug/L			07/01/21 07:27	8
Toluene	8.0	U	8.0	4.1	ug/L			07/01/21 07:27	8
trans-1,2-Dichloroethene	8.0	U	8.0	7.2	ug/L			07/01/21 07:27	8
trans-1,3-Dichloropropene	8.0	U	8.0	3.0	ug/L			07/01/21 07:27	8
Trichloroethene	**13**		8.0	3.7	ug/L			07/01/21 07:27	8
Trichlorofluoromethane	8.0	U	8.0	7.0	ug/L			07/01/21 07:27	8
Vinyl chloride	**48**		8.0	7.2	ug/L			07/01/21 07:27	8
Xylenes, Total	16	U	16	5.3	ug/L			07/01/21 07:27	8

Client: Ecology and Environment, Inc.
Project/Site: Mr. C's OM&M

Job ID: 480-186680-1

Client Sample ID: PW-8
Date Collected: 06/30/21 00:00
Date Received: 06/30/21 13:08

Lab Sample ID: 480-186680-5
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		07/01/21 07:27	8
4-Bromofluorobenzene (Surr)	90		73 - 120		07/01/21 07:27	8
Dibromofluoromethane (Surr)	105		75 - 123		07/01/21 07:27	8
Toluene-d8 (Surr)	95		80 - 120		07/01/21 07:27	8

eurofins | Spectrum Analytical

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:

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

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

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

Telephone #: (716) 684-8060 ext 2710
Project Mgr: Ashlee Smith

Invoice To: Ecology & Environment, Inc

P.O No.: _____ Quote #: _____

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

F=Field Filtered 1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=_____ 12=_____

List Preservative Code below: 2

QA/QC Reporting Notes:
* additional charges may appply

DW=Drinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1=_____ X2=_____ X3=_____

G= Grab C=Compsite

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analysis: VOCs
	PW-4	6/30/21		G	GW	3				✓
	PW-5			G	GW	3				✓
	PW-6			G	GW	3				✓
	PW-7			G	GW	*2	HCA			✓
	PW-8			G	GW	3				✓

480-186680 Chain of Custody

MA DEP MCP CAM Report? ☐ Yes ☒ No
Report? ☐ Yes ☒ No
☐ No QC
☐ ASP B*
☐ NJ Full*
☐ Tier IV*
State-specific reporting standards:

PW-7 - has only (2) vials

Relinquished by:	Received by:	Date:	Time:
Richard C Allen Jr		6/30/21	13:08
	3.4 #1		

Temp °C: Observed _____ Correction Factor _____ Corrected _____ IR ID # _____

EDD format: PDF
E-mail to: iyerenv@gmail.com
RKnappert@ene.com

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

Page 25 of 26

7/2/2021

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 480-186925-1
Client Project/Site: Mr. C's Dry Cleaner
Sampling Event: OM&M Treatment System

For:
Ecology and Environment, Inc.
368 Pleasant View Drive
Lancaster, New York 14086

Attn: Ashlee Smith

Authorized for release by:
7/14/2021 10:56:18 AM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

Definitions/Glossary

Client: Ecology and Environment, Inc.
Project/Site: Mr. C's Dry Cleaner

Job ID: 480-186925-1

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.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
U	Indicates the analyte was analyzed for but not detected.

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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)
TNTC	Too Numerous To Count

Job ID: 480-186925-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-186925-1

Comments
No additional comments.

Receipt
The samples were received on 7/7/2021 3:00 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 5.5º C.

Receipt Exceptions

Received 2 HNO3 preserved polys, the method requires unpreserved volume could not be run as a result (PH): EFFLUENT (480-186925-2).

Times of collection was not listed on the COC. Time of 00:00 was used for sample login: INFLUENT (480-186925-1), EFFLUENT (480-186925-2) and DISCHARGE (480-186925-3).

GC/MS VOA
Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: INFLUENT (480-186925-1). 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.

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 sample(s) has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe.

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

Detection Summary

Client: Ecology and Environment, Inc.
Project/Site: Mr. C's Dry Cleaner

Job ID: 480-186925-1

Client Sample ID: INFLUENT — Lab Sample ID: 480-186925-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1200		40	32	ug/L	40		8260C	Total/NA
Methyl tert-butyl ether	7.5	J	40	6.4	ug/L	40		8260C	Total/NA
Tetrachloroethene	2100		40	14	ug/L	40		8260C	Total/NA
Trichloroethene	400		40	18	ug/L	40		8260C	Total/NA
Vinyl chloride	63		40	36	ug/L	40		8260C	Total/NA
Hardness as calcium carbonate	500		4.0	1.1	mg/L	1		SM 2340C	Total/NA
pH	7.4	HF	0.1	0.1	SU	1		SM 4500 H+ B	Total/NA
Temperature	19.5	HF	0.001	0.001	Degrees C	1		SM 4500 H+ B	Total/NA

Client Sample ID: EFFLUENT — Lab Sample ID: 480-186925-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.2	J	10	3.0	ug/L	1		8260C	Total/NA
Hardness as calcium carbonate	508		4.0	1.1	mg/L	1		SM 2340C	Total/NA

Client Sample ID: DISCHARGE — Lab Sample ID: 480-186925-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.37	J	1.0	0.36	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Ecology and Environment, Inc.
Project/Site: Mr. C's Dry Cleaner

Job ID: 480-186925-1

Client Sample ID: INFLUENT
Date Collected: 07/07/21 00:00
Date Received: 07/07/21 15:00

Lab Sample ID: 480-186925-1
Matrix: WW

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	40	U	40	33	ug/L			07/08/21 18:52	40
1,1,2,2-Tetrachloroethane	40	U	40	8.4	ug/L			07/08/21 18:52	40
1,1,2-Trichloro-1,2,2-trifluoroethane	40	U	40	12	ug/L			07/08/21 18:52	40
1,1,2-Trichloroethane	40	U	40	9.2	ug/L			07/08/21 18:52	40
1,1-Dichloroethane	40	U	40	15	ug/L			07/08/21 18:52	40
1,1-Dichloroethene	40	U	40	12	ug/L			07/08/21 18:52	40
1,2,4-Trichlorobenzene	40	U	40	16	ug/L			07/08/21 18:52	40
1,2-Dibromo-3-Chloropropane	40	U	40	16	ug/L			07/08/21 18:52	40
1,2-Dibromoethane	40	U	40	29	ug/L			07/08/21 18:52	40
1,2-Dichlorobenzene	40	U	40	32	ug/L			07/08/21 18:52	40
1,2-Dichloroethane	40	U	40	8.4	ug/L			07/08/21 18:52	40
1,2-Dichloropropane	40	U	40	29	ug/L			07/08/21 18:52	40
1,3-Dichlorobenzene	40	U	40	31	ug/L			07/08/21 18:52	40
1,4-Dichlorobenzene	40	U	40	34	ug/L			07/08/21 18:52	40
2-Butanone (MEK)	400	U	400	53	ug/L			07/08/21 18:52	40
2-Hexanone	200	U	200	50	ug/L			07/08/21 18:52	40
4-Methyl-2-pentanone (MIBK)	200	U	200	84	ug/L			07/08/21 18:52	40
Acetone	400	U	400	120	ug/L			07/08/21 18:52	40
Benzene	40	U	40	16	ug/L			07/08/21 18:52	40
Bromodichloromethane	40	U	40	16	ug/L			07/08/21 18:52	40
Bromoform	40	U	40	10	ug/L			07/08/21 18:52	40
Bromomethane	40	U	40	28	ug/L			07/08/21 18:52	40
Carbon disulfide	40	U	40	7.6	ug/L			07/08/21 18:52	40
Carbon tetrachloride	40	U	40	11	ug/L			07/08/21 18:52	40
Chlorobenzene	40	U	40	30	ug/L			07/08/21 18:52	40
Chloroethane	40	U	40	13	ug/L			07/08/21 18:52	40
Chloroform	40	U	40	14	ug/L			07/08/21 18:52	40
Chloromethane	40	U	40	14	ug/L			07/08/21 18:52	40
cis-1,2-Dichloroethene	**1200**		40	32	ug/L			07/08/21 18:52	40
cis-1,3-Dichloropropene	40	U	40	14	ug/L			07/08/21 18:52	40
Cyclohexane	40	U	40	7.2	ug/L			07/08/21 18:52	40
Dibromochloromethane	40	U	40	13	ug/L			07/08/21 18:52	40
Dichlorodifluoromethane	40	U	40	27	ug/L			07/08/21 18:52	40
Ethylbenzene	40	U	40	30	ug/L			07/08/21 18:52	40
Isopropylbenzene	40	U	40	32	ug/L			07/08/21 18:52	40
Methyl acetate	100	U	100	52	ug/L			07/08/21 18:52	40
Methyl tert-butyl ether	**7.5**	**J**	40	6.4	ug/L			07/08/21 18:52	40
Methylcyclohexane	40	U	40	6.4	ug/L			07/08/21 18:52	40
Methylene Chloride	40	U	40	18	ug/L			07/08/21 18:52	40
Styrene	40	U	40	29	ug/L			07/08/21 18:52	40
Tetrachloroethene	**2100**		40	14	ug/L			07/08/21 18:52	40
Toluene	40	U	40	20	ug/L			07/08/21 18:52	40
trans-1,2-Dichloroethene	40	U	40	36	ug/L			07/08/21 18:52	40
trans-1,3-Dichloropropene	40	U	40	15	ug/L			07/08/21 18:52	40
Trichloroethene	**400**		40	18	ug/L			07/08/21 18:52	40
Trichlorofluoromethane	40	U	40	35	ug/L			07/08/21 18:52	40
Vinyl chloride	**63**		40	36	ug/L			07/08/21 18:52	40
Xylenes, Total	80	U	80	26	ug/L			07/08/21 18:52	40

Client: Ecology and Environment, Inc.
Project/Site: Mr. C's Dry Cleaner

Job ID: 480-186925-1

Client Sample ID: INFLUENT

Date Collected: 07/07/21 00:00
Date Received: 07/07/21 15:00

Lab Sample ID: 480-186925-1

Matrix: WW

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*07/08/21 18:52*	*40*
4-Bromofluorobenzene (Surr)	*87*		*73 - 120*		*07/08/21 18:52*	*40*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*07/08/21 18:52*	*40*
Toluene-d8 (Surr)	*93*		*80 - 120*		*07/08/21 18:52*	*40*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	**500**		4.0	1.1	mg/L			07/08/21 15:30	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.4**	**HF**	0.1	0.1	SU			07/09/21 12:39	1
Temperature	**19.5**	**HF**	0.001	0.001	Degrees C			07/09/21 12:39	1

Client: Ecology and Environment, Inc.
Project/Site: Mr. C's Dry Cleaner

Job ID: 480-186925-1

Client Sample ID: EFFLUENT
Date Collected: 07/07/21 00:00
Date Received: 07/07/21 15:00

Lab Sample ID: 480-186925-2
Matrix: WW

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			07/08/21 19:14	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			07/08/21 19:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			07/08/21 19:14	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			07/08/21 19:14	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			07/08/21 19:14	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			07/08/21 19:14	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			07/08/21 19:14	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			07/08/21 19:14	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			07/08/21 19:14	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			07/08/21 19:14	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/08/21 19:14	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			07/08/21 19:14	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			07/08/21 19:14	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			07/08/21 19:14	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			07/08/21 19:14	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			07/08/21 19:14	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			07/08/21 19:14	1
Acetone	**3.2**	**J**	10	3.0	ug/L			07/08/21 19:14	1
Benzene	1.0	U	1.0	0.41	ug/L			07/08/21 19:14	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			07/08/21 19:14	1
Bromoform	1.0	U	1.0	0.26	ug/L			07/08/21 19:14	1
Bromomethane	1.0	U	1.0	0.69	ug/L			07/08/21 19:14	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			07/08/21 19:14	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			07/08/21 19:14	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			07/08/21 19:14	1
Chloroethane	1.0	U	1.0	0.32	ug/L			07/08/21 19:14	1
Chloroform	1.0	U	1.0	0.34	ug/L			07/08/21 19:14	1
Chloromethane	1.0	U	1.0	0.35	ug/L			07/08/21 19:14	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			07/08/21 19:14	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/08/21 19:14	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			07/08/21 19:14	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			07/08/21 19:14	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			07/08/21 19:14	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			07/08/21 19:14	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			07/08/21 19:14	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			07/08/21 19:14	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			07/08/21 19:14	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			07/08/21 19:14	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			07/08/21 19:14	1
Styrene	1.0	U	1.0	0.73	ug/L			07/08/21 19:14	1
Tetrachloroethene	1.0	U	1.0	0.36	ug/L			07/08/21 19:14	1
Toluene	1.0	U	1.0	0.51	ug/L			07/08/21 19:14	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			07/08/21 19:14	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			07/08/21 19:14	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			07/08/21 19:14	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			07/08/21 19:14	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			07/08/21 19:14	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			07/08/21 19:14	1

Client: Ecology and Environment, Inc.
Project/Site: Mr. C's Dry Cleaner

Job ID: 480-186925-1

Client Sample ID: EFFLUENT

Date Collected: 07/07/21 00:00
Date Received: 07/07/21 15:00

Lab Sample ID: 480-186925-2

Matrix: WW

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*07/08/21 19:14*	*1*
4-Bromofluorobenzene (Surr)	*88*		*73 - 120*		*07/08/21 19:14*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*07/08/21 19:14*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*07/08/21 19:14*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	508		4.0	1.1	mg/L			07/13/21 17:10	1

Client: Ecology and Environment, Inc.
Project/Site: Mr. C's Dry Cleaner

Job ID: 480-186925-1

Client Sample ID: DISCHARGE

Date Collected: 07/07/21 00:00
Date Received: 07/07/21 15:00

Lab Sample ID: 480-186925-3

Matrix: WW

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.82	ug/L			07/08/21 19:36	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21	ug/L			07/08/21 19:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			07/08/21 19:36	1
1,1,2-Trichloroethane	1.0	U	1.0	0.23	ug/L			07/08/21 19:36	1
1,1-Dichloroethane	1.0	U	1.0	0.38	ug/L			07/08/21 19:36	1
1,1-Dichloroethene	1.0	U	1.0	0.29	ug/L			07/08/21 19:36	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.41	ug/L			07/08/21 19:36	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39	ug/L			07/08/21 19:36	1
1,2-Dibromoethane	1.0	U	1.0	0.73	ug/L			07/08/21 19:36	1
1,2-Dichlorobenzene	1.0	U	1.0	0.79	ug/L			07/08/21 19:36	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/08/21 19:36	1
1,2-Dichloropropane	1.0	U	1.0	0.72	ug/L			07/08/21 19:36	1
1,3-Dichlorobenzene	1.0	U	1.0	0.78	ug/L			07/08/21 19:36	1
1,4-Dichlorobenzene	1.0	U	1.0	0.84	ug/L			07/08/21 19:36	1
2-Butanone (MEK)	10	U	10	1.3	ug/L			07/08/21 19:36	1
2-Hexanone	5.0	U	5.0	1.2	ug/L			07/08/21 19:36	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1	ug/L			07/08/21 19:36	1
Acetone	10	U	10	3.0	ug/L			07/08/21 19:36	1
Benzene	1.0	U	1.0	0.41	ug/L			07/08/21 19:36	1
Bromodichloromethane	1.0	U	1.0	0.39	ug/L			07/08/21 19:36	1
Bromoform	1.0	U	1.0	0.26	ug/L			07/08/21 19:36	1
Bromomethane	1.0	U	1.0	0.69	ug/L			07/08/21 19:36	1
Carbon disulfide	1.0	U	1.0	0.19	ug/L			07/08/21 19:36	1
Carbon tetrachloride	1.0	U	1.0	0.27	ug/L			07/08/21 19:36	1
Chlorobenzene	1.0	U	1.0	0.75	ug/L			07/08/21 19:36	1
Chloroethane	1.0	U	1.0	0.32	ug/L			07/08/21 19:36	1
Chloroform	1.0	U	1.0	0.34	ug/L			07/08/21 19:36	1
Chloromethane	1.0	U	1.0	0.35	ug/L			07/08/21 19:36	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.81	ug/L			07/08/21 19:36	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/08/21 19:36	1
Cyclohexane	1.0	U	1.0	0.18	ug/L			07/08/21 19:36	1
Dibromochloromethane	1.0	U	1.0	0.32	ug/L			07/08/21 19:36	1
Dichlorodifluoromethane	1.0	U	1.0	0.68	ug/L			07/08/21 19:36	1
Ethylbenzene	1.0	U	1.0	0.74	ug/L			07/08/21 19:36	1
Isopropylbenzene	1.0	U	1.0	0.79	ug/L			07/08/21 19:36	1
Methyl acetate	2.5	U	2.5	1.3	ug/L			07/08/21 19:36	1
Methyl tert-butyl ether	1.0	U	1.0	0.16	ug/L			07/08/21 19:36	1
Methylcyclohexane	1.0	U	1.0	0.16	ug/L			07/08/21 19:36	1
Methylene Chloride	1.0	U	1.0	0.44	ug/L			07/08/21 19:36	1
Styrene	1.0	U	1.0	0.73	ug/L			07/08/21 19:36	1
Tetrachloroethene	**0.37**	**J**	1.0	0.36	ug/L			07/08/21 19:36	1
Toluene	1.0	U	1.0	0.51	ug/L			07/08/21 19:36	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.90	ug/L			07/08/21 19:36	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.37	ug/L			07/08/21 19:36	1
Trichloroethene	1.0	U	1.0	0.46	ug/L			07/08/21 19:36	1
Trichlorofluoromethane	1.0	U	1.0	0.88	ug/L			07/08/21 19:36	1
Vinyl chloride	1.0	U	1.0	0.90	ug/L			07/08/21 19:36	1
Xylenes, Total	2.0	U	2.0	0.66	ug/L			07/08/21 19:36	1

Client: Ecology and Environment, Inc.
Project/Site: Mr. C's Dry Cleaner

Job ID: 480-186925-1

Client Sample ID: DISCHARGE
Date Collected: 07/07/21 00:00
Date Received: 07/07/21 15:00

Lab Sample ID: 480-186925-3
Matrix: WW

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		07/08/21 19:36	1
4-Bromofluorobenzene (Surr)	87		73 - 120		07/08/21 19:36	1
Dibromofluoromethane (Surr)	101		75 - 123		07/08/21 19:36	1
Toluene-d8 (Surr)	92		80 - 120		07/08/21 19:36	1

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client: Ecology & Environment, Inc	Project Manager: Ashlee Smith	Date: Jul 7, 2021	Chain of Custody Number: 264489
Address: 368 Pleasantview Dr	Telephone Number (Area Code)/Fax Number: (716) 684-8060 ext 2710	Lab Number:	Page 1 of 1
City: Lancaster / State: NY / Zip Code: 14086	Site Contact: R. Allen	Lab Contact: John Shove	
Project Name and Location (State): MrCs OM&M (NY)	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: pH	Hardness	VOCs
INFLUENT	7/7/21			✓			1						✓		
INFLUENT				✓					1					✓	
INFLUENT				✓						3					✓
EFFLUENT				✓			1						✓		
EFFLUENT				✓					1					✓	
EFFLUENT				✓						3					✓
DISCHARGE				✓						3					✓

Special Instructions/ Conditions of Receipt

Email: iyerenv@gmail.com
RKnappert@ene.com

480-186925 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☒ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time
1. Relinquished By: Richard C Allen Jr	7/7/21	
2. Relinquished By		
3. Relinquished By		

	Date	Time
1. Received By		
2. Received By		
3. Received By: TMB	7/7/21	1500

Comments: Temp 5.5 # ICE

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

7/14/2021

Attachment B
IEG Summary of Field Activities

July 2021

Mr. C's CLEANERS OM&M

SUMMARY OF FIELD ACTIVITIES BY IEG - July 2021

DATE	ACTIVITY
1-Jul-21	Time and Expense Reports. End of Month Summaries.
6-Jul-21	Weekly Inspection. Office work.
7-Jul-21	Treatment Room Sampling
9-Jul-21	Checked System
12-Jul-21	Weekly Inspection. Mixed new batch of Redux solution. Office work.
19-Jul-21	Responded to Alarms on panels. Reset panels. Poured decanted bag filter change water into sump box. Weekly Inspection.
20-Jul-21	Piezometer Readings
21-Jul-21	Piezometer Readings
22-Jul-21	Dropped off equipment. Searched for AutoDialer battery.
26-Jul-21	Weekly Inspection. Replaced battery in AutoDialer.
28-Jul-21	Got supplies. Dropped off equipment to Treatment Room. Consulted about AutoDialer.
30-Jul-21	MW-14 - cut down riser, sealed well with concrete. Disposed old concrete and inner ring.

Mr. C's CLEANERS OM&M
STATUS OF FIELD ACTIVITIES BY IEG - 7/2021

ACTIVITY	DESCRIPTION	COMPLETION DATE/STATUS
Redux Line Valve Leaking	The valve on the Redux line is leaking. Replace with stainless steel valve.	Feb-21
PZ-2C is missing the Top Cover	PZ-2C was missing top cover after a snowplow cleared the parking lot. Filled inner ring with gravel / soil to reduce pedestrian tripping hazard. Replaced Top Cover and removed gravel from inside the inner ring.	Mar-21
Wells in Groups PW-2 and PW-3 are covered with material	Some of the wells in Groups PW-2 and PW-3 have been covered with gravel and soil from the snowplowing of the gravel parking lot. Find and uncover wells.	Apr-21
Drums of Sludge and Used Filters	Had(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. Disposed drums.	May-21
PW-5 is Pumping Very Slowly	PW-7 in ON most of the time. Suspect sludge buildup in horizontal line. Replace pump with more powerful pump.	May-21
Effluent Meter	Clean Effluent Meter inside. Effluent Meter stopped working and was replaced. (old meter read 87,585,383 on 6/21/21)	Jun-21
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
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
MPI-5S is Damaged	MPI-5S was damaged by snowplow. Notified Intrepid Auto and their maintenance personnel fill inner ring with gravel as a temporary fix. Replace inner ring.	in progress
MW-8 is Damaged	MW-8 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.	in progress
ABB Meter stopped working	The backup Effluent Meter stopped working. Take unit apart to see if it is serviceable. Assess need to replace unit if not serviceable.	in progress
MW-14 Inner Ring pulled up	MW-14 was pushed up and out of the ground by the snowplow. Covered the riser and hole with stones. Seal well with concrete. Bring area up to grade with parking lot gravel.	in progress
SVE System Top Section Fell Off	The SVE System on the NE corner of Building 574 was damaged possibly by high winds. The top most section of the exhaust pipe fell to the ground. Hire a contractor to reinstall the top section.	in progress
Influent Pipe joint is Leaking	The Influent Pipe is leaking a glue like substance at a joint where the Redux Solution feed fitting is installed. The Redux appears to have liquified the PVC cement over a period of several years. Move fitting to non-joint pipe location.	in progress
Retrieve Bailer in PW-7	The sampling bailer repeatedly snagged on something while taking well samples. The line broke and the bailer fell to the bottom. Retrieve the bailer and design a weighted bailer system that resists snagging.	in progress
AutoDialer Panel is Frozen	Replaced battery. AutoDialer Panel is still frozen. Have unit inspected and fix or replace as needed.	in progress

Mr. C's CLEANERS OM&M

SUMMARY OF WATER PUMP MAINTENANCE BY IEG - 2021

as of Jul 2021

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, Aug 20, Jun21	Dec 07, Jan 12	Sep-13		Aug 13	Oct 16, Oct 18, Aug 20, Jun 21		May 10, Nov 11, Oct 15, Oct 16, Oct 17, Oct 18, Sep 19, Aug 20, Jun21	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, Aug 20, May21	Jul 08, Jan 12, May 21				Nov 16, Oct 18, Aug 20, May 21		Mar 11, Oct 15, Nov 16, Oct 17, Oct 18, Sep 19, Aug 20, May 21	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, Aug 20, Jun 21	Jun 08, Jul 09, Aug 12, Nov 12, Sep 15		Replaced Aug 15		Jul 12, Nov 12, Sep 15, Apr 17, Oct 18, Aug 20, Jun 21	Aug 15	Aug 09, Jul 12, Dec 12, Apr 13, Aug 15, Apr 17, Oct 17, Dec 17, Oct 18, Sep 19, Aug 20, Jun 21	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, Aug 20, Jun 21	Nov 07, Jul 09, Oct 10, Nov 12		Replaced Aug 15		Jul 12, Nov 12, Nov 16, Oct 18, Aug 20, Jun 21	Aug 15	Oct 10, Aug 11, Mar 12, Jul 12, Dec 12, Aug 15, Nov 16, Oct 17, Oct 18, Sep 19, Aug 20, Jun 21		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, Aug 20	Jul 08, Sep 09, Aug 11, Dec 12		Replaced Aug 15		Pipe Aug 09, Jul 12, Sep 15, Apr 17, Oct 18, Aug 20	Aug 15	May 10, Aug 11, Jul 12, Dec 12, Apr 13, Aug 15, Apr 17, Oct 17, Oct 18, Sep 19, Aug 20, Jun 21		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 - 2021

as of Jul 2021

ID	NEEDS CLEANING & INSPECTION	NEEDS 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 TRANSDUCER INSPECTION	NEEDS NEW TRANSDUCER	PIEZOMETERS	NEEDS ANEROID BELLOWS	NEEDS U.E. CLEANED	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	MW-14 needs to be closed	NO	NO	YES - bolts
PW-3	NO	NO	NO		NO		NO		NO	NO		NO	NO	NO
PW-4	NO	NO	NO		NO		NO		NO	NO		NO	NO	NO
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	**YES**	NO	NO		NO		**YES**		NO	NO		NO	NO	NO

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

DATE: 6-Jul-21 *ACTIVITIES:* Site Inspection

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

WEATHER CONDITIONS: Partly cloudy, warm *OUTSIDE TEMPERATURE (°F):* 81

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

EQUALIZATION TANK: 3 ft Last Alarm D/T/Condition: 6/21/2021 Air Stripper Low Pressure

NOTES:

INFLUENT FLOW RATE: 10 gpm INFLUENT TOTALIZER READING: 21446614 gallons

SEQUESTERING AGENT DRUM LEVEL: 10 inches *(x 1.7=)* *AMOUNT OF AGENT REMAINING:* 17 gallons

SEQUESTERING AGENT FEED RATE: ----- ml/min *METERING PUMP PRESSURE:* ----- psi

	Top	Bottom		Top	Bottom
BAG FILTER PRESSURES:	LEFT: 0	0 psi	RIGHT:	7	0 psi

INFLUENT FEED PUMP IN USE: #1 √ #2 *INFLUENT PUMP PRESSURE:* 7 psi

AIR STRIPPER BLOWER IN USE: #1 √ #2 *AIR STRIPPER PRESSURE:* 1.0 (27.7) in. H_2O

AIR STRIPPER DIFFERENTIAL PRESSURE: broken in. H_2O *DISCHARGE PRESSURE:* 2.0 in. H_2O

AIR FLOW : 1350 fpm X 1.4 = 1890 CFM *AIR SPARGER* *LEFT* 6.7 *RIGHT* 2.8 CFM

AIR TEMP: 111.9 °F

EFFLUENT PUMP IN USE: #1 #2 √ *EFFLUENT FEED PUMP PRESSURE:* 5 psi

EFFLUENT FLOW RATE: 64 gpm *EFFLUENT TOTALIZER READING:* 27250 (TOTAL = 67602 for 6/1-7/5) broken gallons

REPLACED WATER METER on 6/25/21: PREVIOUS METER ENDED AT 87,585,383

ARE BUILDING HEATERS IN USE? YES: NO: √ *INSIDE TEMPERATURE (°F):* 92

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

WATER LEVEL IN SUMP: 3.0 in. *TREATMENT BUILDING CLEAN & ORGANIZED?* YES: √ NO:

MR. C's DRY CLEANERS SITE

NYSDEC Site #90150157

SITE INSPECTION FORM

6-Jul-21

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

	Sample ID	Time of Sampling	pH	Turbidity	Temp.	Sp. Cond.
AIR STRIPPER INFLUENT:	INF	1:30 pm	6.4	240.0	23.6	1760
AIR STRIPPER EFFLUENT:	EFF	1:30 pm	7.6	8.2	23.8	1830

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. MPI-5S and MW-8 inner rings are damaged. MW-14 was knocked out by snowplow.

SUBSLAB SYSTEMS

TREATMENT ROOM

MANOMETER: **1.4** **in. WC** (Fan Inlet) — west | east

FLOW (fpm): _____ | _____

CONDENSATE **------** **gallon** **DRAINED** **No**

FLOW (cfm): _____ | _____

VACUUM GAUGE (in WC)

NOTES: cfm = 0.05 x fpm (3" PVC)

OTHER LOCATIONS

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

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

Remarks: There is a slow leak of liquifying PVC cement in the Influent Pipe near the Redux line fitting.

Other Actions:

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

DATE: 19-Jul-21 *ACTIVITIES:* Site Inspection

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

WEATHER CONDITIONS: Partly cloudy, warm *OUTSIDE TEMPERATURE (°F):* 78

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:	5	ft
PW-2	ON:	OFF: √	10	ft	PW-6	ON: √	OFF:	8	ft
PW-3	ON: √	OFF:	12	ft	PW-7	ON: √	OFF:	12	ft
PW-4	ON: √	OFF:	10	ft	PW-8	ON:	OFF: √	3	ft

EQUALIZATION TANK: 3 ft Last Alarm D/T/Condition: 7/18/2021 Air Stripper Low Pressure

NOTES:

INFLUENT FLOW RATE: 0 gpm INFLUENT TOTALIZER READING: 21508596 gallons

SEQUESTERING AGENT DRUM LEVEL: 23 inches *(x 1.7=)* *AMOUNT OF AGENT REMAINING:* 39 gallons

SEQUESTERING AGENT FEED RATE: ----- ml/min *METERING PUMP PRESSURE:* ----- psi

		Top	Bottom			Top	Bottom	
BAG FILTER PRESSURES:	LEFT:	0	0	psi	RIGHT:	8	0	psi

INFLUENT FEED PUMP IN USE: #1 √ #2 *INFLUENT PUMP PRESSURE:* 7 psi

AIR STRIPPER BLOWER IN USE: #1 √ #2 *AIR STRIPPER PRESSURE:* 0.95 (26.3) in. H_2O

AIR STRIPPER DIFFERENTIAL PRESSURE: broken in. H_2O *DISCHARGE PRESSURE:* 2.2 in. H_2O

AIR FLOW : 1500 fpm X 1.4 = 2100 CFM *AIR SPARGER* *LEFT* 6.8 *RIGHT* 2.9 CFM

AIR TEMP: 110.1 °F

EFFLUENT PUMP IN USE: #1 #2 √ *EFFLUENT FEED PUMP PRESSURE:* 5 psi

EFFLUENT FLOW RATE: gpm *EFFLUENT TOTALIZER READING:* 57,990 broken gallons

ARE BUILDING HEATERS IN USE? YES: NO: √ *INSIDE TEMPERATURE (°F):* 93

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

WATER LEVEL IN SUMP: 4.0 in. *TREATMENT BUILDING CLEAN & ORGANIZED?* YES: √ NO:

MR. C's DRY CLEANERS SITE

NYSDEC Site #90150157

SITE INSPECTION FORM

19-Jul-21

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

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

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

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

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

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

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

RW-1 inner ring is corroded. MPI-5S and MW-8 inner rings are damaged. MW-14 was knocked out by snowplow.

SUBSLAB SYSTEMS

TREATMENT ROOM

MANOMETER: **1.4** **in. WC** west east ***NOTES:*** cfm = 0.05 x fpm (3" PVC)

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

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

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

OTHER LOCATIONS

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

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

Remarks: There is a slow leak of liquifying PVC cement in the Influent Pipe near the Redux line fitting.

Other Actions: AutoDialer Alarm ON - Code 03. Main Control Panel Alarm - ON. Air Stripper Control Panel - ON.

Reset Panels - OK.

Poured decanted bag filter change water into the sump box.

Five packages were left outside the overhead door. Found correct address and took packages there.

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

DATE: 3-Aug-21 *ACTIVITIES:* Site Inspection

INSPECTION PERSONNEL: R. Allen *OTHER PERSONNEL:*

WEATHER CONDITIONS: Partly cloudy, warm *OUTSIDE TEMPERATURE (°F):* 70

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

RW-1, PW-2 and PW-3 are manually set to OFF position; PW-4 through PW-8 are 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: √	10	ft	PW-6	ON:	OFF: √	4	ft
PW-3	ON: √	OFF:	11	ft	PW-7	ON:	OFF: √	3	ft
PW-4	ON: √	OFF:	7	ft	PW-8	ON:	OFF: √	4	ft

EQUALIZATION TANK: 3 ft Last Alarm D/T/Condition: 7/18/2021 Air Stripper Low Pressure

NOTES:

INFLUENT FLOW RATE: 0 gpm INFLUENT TOTALIZER READING: 21585280 gallons

SEQUESTERING AGENT DRUM LEVEL: 4 inches *(x 1.7=)* *AMOUNT OF AGENT REMAINING:* 7 gallons

SEQUESTERING AGENT FEED RATE: ----- ml/min *METERING PUMP PRESSURE:* ----- psi

		Top	Bottom			Top	Bottom	
BAG FILTER PRESSURES:	LEFT:	0	0	psi	RIGHT:	8	0	psi

INFLUENT FEED PUMP IN USE: #1 √ #2 *INFLUENT PUMP PRESSURE:* 7 psi

AIR STRIPPER BLOWER IN USE: #1 √ #2 *AIR STRIPPER PRESSURE:* 1.5 (41.5) in. H_2O

AIR STRIPPER DIFFERENTIAL PRESSURE: broken in. H_2O *DISCHARGE PRESSURE:* 2.1 in. H_2O

AIR FLOW : 1400 fpm X 1.4 = 1960 CFM *AIR SPARGER* *LEFT* 6.9 *RIGHT* 2.8 CFM

AIR TEMP: 100.3 °F

EFFLUENT PUMP IN USE: #1 #2 √ *EFFLUENT FEED PUMP PRESSURE:* 5 psi

EFFLUENT FLOW RATE: 60 gpm *EFFLUENT TOTALIZER READING:* 96,780 broken gallons

ARE BUILDING HEATERS IN USE? YES: NO: √ *INSIDE TEMPERATURE (°F):* 80

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

WATER LEVEL IN SUMP: 2.0 in. *TREATMENT BUILDING CLEAN & ORGANIZED?* YES: √ NO:

MR. C's DRY CLEANERS SITE

NYSDEC Site #90150157

SITE INSPECTION FORM

3-Aug-21

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

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

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

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

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

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

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

RW-1 inner ring is corroded. MPI-5S and MW-8 inner rings are damaged. MW-14 was knocked out by snowplow.

SUBSLAB SYSTEMS

TREATMENT ROOM

MANOMETER: 1.4 **in. WC** west east ***NOTES:*** cfm = 0.05 x fpm (3" PVC)

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

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

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

OTHER LOCATIONS

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

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

Remarks: There is a slow leak of liquifying PVC cement in the Influent Pipe near the Redux line fitting.

Other Actions: AutoDialer functions are frozen.

Graded over sealed MW-14 with parking lot material from around PZ-3D.

MR. C's DRY CLEANERS SITE
NYSDEC Site #9-15-157

OM&M: PIEZOMETER WATER LEVEL LOG

Date: 20-Jul-21 **Measurements taken by:** R. Allen

RW-1	10.70 ft	Comments:		PW-5	19.00 ft	Comments:	
PZ-1A	10.79 ft	Comments:		PZ-5A	10.27 ft	Comments:	
PZ-1B	10.54 ft	Comments:		PZ-5B	10.21 ft	Comments:	
PZ-1C	11.68 ft	Comments:		PZ-5C	9.81 ft	Comments:	
PZ-1D	11.86 ft	Comments:		PZ-5D	10.62 ft	Comments:	
PW-2	10.30 ft	Comments:		PW-6	18.50 ft	Comments:	
PZ-2A	10.33 ft	Comments:		PZ-6A	11.13 ft	Comments:	
PZ-2B	10.69 ft	Comments:		PZ-6B	10.97 ft	Comments:	
PZ-2C	10.20 ft	Comments:		PZ-6C	11.32 ft	Comments:	
MW-7	10.68 ft	Comments:	Substitute for 2D	PZ-6D	11.01 ft	Comments:	Shown as RW-2 on map
PW-3	10.90 ft	Comments:		PW-7	17.40 ft	Comments:	
PZ-3A	10.85 ft	Comments:		MPI-6S	10.60 ft	Comments:	
PZ-3B	10.92 ft	Comments:		PZ-7B	10.83 ft	Comments:	
PZ-3C	11.41 ft	Comments:		OW-B	10.72 ft	Comments:	
PZ-3D	10.95 ft	Comments:		PZ-7D	10.46 ft	Comments:	
PW-4	20.20 ft	Comments:		PW-8	16.30 ft	Comments:	
PZ-4A	11.01 ft	Comments:		PZ-8A	7.67 ft	Comments:	
PZ-4B	10.24 ft	Comments:		PZ-8B	7.59 ft	Comments:	
PZ-4C	----- ft	Comments:	sealed over	PZ-8C	7.25 ft	Comments:	
PZ-4D	9.88 ft	Comments:		PZ-8D	7.43 ft	Comments:	

PUMPS IN OPERATION DURING MEASUREMENTS

RW-1 pump on?		Yes	√	PW-5 pump on?		Yes	√
		No				No	
PW-2 pump on?		Yes	√	PW-6 pump on?		Yes	√
		No				No	
PW-3 pump on?		Yes	√	PW-7 pump on?		Yes	√
		No				No	
PW-4 pump on?		Yes	√	PW-8 pump on?		Yes	√
		No				No	