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NEW YORK STATE OF OPPORTUNITY. Department of Environmental Conservation

New York State Department of Environmental Conservation – Division of Environmental Remediation

GLADDING CORDAGE SITE QUARTERLY REPORT

SITE 7-09-009

Second Quarter 2021

July 2021

GLADDING CORDAGE SITE QUARTERLY REPORT

Second Quarter 2021

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ACRONYMS AND ABBREVIATIONS

Arcadis	Arcadis of New York, Inc.
amsl	above mean sea level
Ft	feet
GES	Groundwater and Environmental Services, Inc.
GPM	gallons per minute
HZ	hertz
µg/L	micrograms per liter
NYSDEC	New York State Department of Environmental Conservation
O&M	Operation and Maintenance
OM&M	Operation, Maintenance, and Monitoring
PLC	Programmable logic controller
ROD	Record of Decision
SMP	Site Management Plan
USEPA	United States Environmental Protection Agency
VFD	Variable frequency drive
VOC	Volatile organic compound
1,1-DCA	1,2-dichloroethane
1,1-DCE	1,2-dichloroethene
1,1,1-TCA	1,1,1-trichloroethane

1 INTRODUCTION

The New York State Department of Environmental Conservation (NYSDEC) has issued a Work Assignment (# D009804-11) to Arcadis of New York, Inc. (Arcadis) for Operation, Maintenance, and Monitoring (OM&M) at the Gladding Cordage Site (Site # 7-09-009). This Quarterly Report has been prepared in accordance with the NYSDEC-approved Work Plan to summarize the second quarter 2021 site activities.

2 SITE DESCRIPTION

The Gladding Cordage Site is located on Ridge Road, South Otselic, Chenango County, New York (Figure 2-1), along the western bank of the Otselic River. The site contains an active braided wire and rope manufacturing facility that has been in operation since 1892.

3 OPERATION AND MAINTENANCE

On August 23, 2007, the NYSDEC provided a training session to Arcadis personnel on the operation and maintenance (O&M) of the groundwater treatment plant at the Gladding Cordage Site. Arcadis maintained operation of the groundwater treatment plant from that time until February 2020, when site operations were temporarily transitioned to Groundwater and Environmental Services, Inc. (GES), a NYSDEC Remedial Services Contractor, due to contract expiration/start dates. These activities include the operation, maintenance, and influent/effluent sampling in accordance with the Site Management Plan (SMP) and NYSDEC O&M manual (Operation and Maintenance Manual, Volume I, Gladding Cordage Site, Site 7-09-009, TAMS Consultants, Inc., 1996) (O&M Manual). Arcadis resumed operation of the groundwater treatment plant in April 2021.

3.1 Treatment Process Overview

Groundwater is extracted from two 8-inch recovery wells (RW-1 and RW-2) using submersible electric pumps and conveyed to the groundwater treatment plant (Figure 2-2) via buried 2-inch pressure mains. Groundwater enters the treatment plant building and is then directed to a shallow tray air stripper for removal of VOCs. A variable frequency drive (VFD) is used to regulate the speed of the air stripper blower motor for reduced energy usage. Following the installation of the VFD, effluent samples were collected at various blower motor frequencies (speeds) to evaluate the minimum blower frequency required for the air stripper to effectively treat groundwater extracted from the source area to the applicable NYSDEC Class GA Effluent Limits. Based on the result of periodic performance testing conducted between 2010 and 2014, the minimum blower motor frequency required to meet these conditions is 46 hertz (HZ). The blower frequency has been maintained at this level since December 2014. Treated groundwater is discharged from the air stripper via gravity to an outfall on the western bank of the Otselic River.

Treatment plant functions are controlled and monitored using a programmable logic controller (PLC). The PLC and ProControl interface software allow the treatment system to be monitored and started or stopped remotely. The PLC is programmed to transmit status of system inputs and outputs on a daily basis. If input and/or output device values exceed the defined operating parameters, an alarm is triggered, and the corresponding alarm information is transmitted to the system user.

3.2 Treatment Plant Operation

The groundwater treatment system has operated continuously from April 2007 until present, except for minor shutdowns for routine maintenance, power outages, and/or system upgrades. Appendix A presents the completed O&M Checklist and Operation Logs from the second quarter 2021, and Appendix B includes the NYSDEC Daily Inspection Reports completed for each site visit. The Gladding Cordage groundwater treatment system was temporarily offline in April, May, and June 2021 due to power outages and was reset in person or remotely. This resulted in system runtimes of 61 percent (%) in April, 42% in May, and 57% in June 2021.

The average monthly flow rates and total flow volumes for the second quarter 2021 operating period are summarized in Table 3-1. As shown in Table 3-1, the reported average flow rate from recovery well RW-1 was 15.3 gallons per minute (GPM). The average flow from RW-2 was 21.2 GPM. Based on the total flow

values, approximately 2.4 million gallons of water were treated and discharged to the Otselic River between April and June 2021.

3.3 Treatment System Sampling

Influent and effluent groundwater samples were collected from the Gladding Cordage treatment system in accordance with the SMP and submitted to Eurofins TestAmerica following chain-of-custody protocols. Each monthly sample was analyzed for VOCs by United States Environmental Protection Agency (USEPA) Method 8260C. Analytical reporting forms are provided in Appendix C.

3.3.1 Influent Sample Results

Table 3-2 and Table 3-3 summarize influent VOC sample results from recovery wells RW-1 and RW-2, respectively. Figure 3-1 provides a summary of 1,1,1-TCA concentrations in samples from recovery wells RW-1 and RW-2 since January 2017.

Table 3-2 shows that the concentrations of 1,1,1-TCA reported in samples from recovery well RW-1 were 42 micrograms per liter (µg/L) in April 2021, 39 µg/L in May 2021, and 38 µg/L in June 2021. The compounds 1,1-dichloroethane (1,1-DCA) and 1,1-dichloroethene (1,1-DCE) were also detected, but concentrations were less than their respective NYSDEC Class GA standard of 5 µg/L.

The concentrations of 1,1,1-TCA in the samples from recovery well RW-2 were 32 µg/L in April 2021, 33 µg/L in May 2021, and 32 µg/L in June 2021. As shown in Table 3-3, 1,1-DCA, 1,1-DCE were detected in the second quarter 2021 samples from RW-2. Consistent with previous results, the concentrations of these compounds were less than the NYSDEC Class GA standard of 5 µg/L.

Figure 3-1 shows that the concentrations of 1,1,1-TCA in the samples from recovery wells RW-1 and RW-2 in the second quarter 2021 are within the range of historic concentrations from these wells.

3.3.2 Effluent Sample Results

Table 3-4 summarizes laboratory analytical data for effluent samples collected from the treatment system. No VOCs have been detected in the effluent since the December 2018 sampling event.

Based on influent sample concentrations and total flow volumes from the Gladding Cordage treatment system, approximately 0.7 pounds of VOCs were removed by the treatment system during the second quarter 2021.

4 WATER MONITORING PROGRAM

Groundwater samples are collected on a once every five quarters sampling schedule in accordance with the SMP. Groundwater sampling was conducted from October 12 through 14, 2020 to provide information on groundwater quality, monitor contaminant migration in groundwater, and assess hydrogeologic site conditions, including groundwater flow. The results of the fourth quarter 2020 groundwater monitoring event were reported to the NYSDEC in a separate monitoring report. The next groundwater sampling event is scheduled to occur during the first quarter 2022.

5 RECOMMENDATIONS

It is recommended that the NYSDEC move forward with the planned remedial optimization study as indicated in the amended Scope of Work submitted to the NYSDEC on March 23, 2021 to evaluate the effectiveness of the groundwater extraction and treatment remediation strategy at meeting the objectives of the 1993 Record of Decision (ROD). The results of the evaluation, and, if deemed necessary, changes to the remediation strategy will be presented under separate cover.

6 SUMMARY

The Gladding Cordage groundwater treatment system was intermittently shut down in the second quarter 2021 due to power outages. The average total flow through the treatment system during the second quarter 2021 was approximately 18.3 GPM. The treatment successfully removes VOCs from groundwater extracted from the capture zone at the current VFD setting of 46 Hz. The VFD setting will continue to be evaluated based on system monitoring results. Approximately 0.7 pounds of VOCs were removed by the treatment system during the second quarter 2021.

The concentrations of VOCs detected in the RW-1 and RW-2 are within the range of historical values. The effluent sample was non-detect for all analytes.

Based on the current five-quarter sampling interval, the next groundwater monitoring event is scheduled to occur during the first quarter of 2022.

7 REFERENCES

Malcolm Pirnie, 2007, Gladding Cordage Site Work Plan, Site 7-09-009, Malcolm Pirnie, Inc., June 2007.

TAMS, 1996, Operation and Maintenance Manual, Volume I, Gladding Cordage Site. Site 7-09-009, TAMS Consultants, Inc., March 1996.

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O&M Checklists

APPENDIX B

NYSDEC Daily Inspection Reports

APPENDIX C

Analytical Reports

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TABLES

TABLE 3-1
TREATMENT SYSTEM STATUS AND FLOW SUMMARY
GLADDING CORDAGE SITE
SOUTH OTSELIC, NEW YORK
NYSDEC SITE NO. 7-09-009

Date	System Operation (days)	System On-time % of possible days	Well On-time RW-1 (% possible	Well On-time RW-2 (% possible	Flow Rates RW-1 (gpm)	Flow Rates RW-2 (gpm)	Totalizer RW-1 (gallons)	Totalizer RW-2 (gallons)	Recovery Well Total Flows RW-1 (gallons)	Recovery Well Total Flows RW-2 (gallons)	Total System Flow (gallons)	Quarterly Totals (gallons)
January-17	31	100%	100%	100%	25.7	23.7	50,412,604	46,629,621	1,213,626	1,139,731	2,353,357	6,229,301
February-17	28	100%	100%	100%	25.5	23.6	51,438,294	47,591,095	1,025,690	961,474	1,987,164	
March-17	30	97%	100%	100%	25.4	23.7	52,415,109	48,503,060	976,815	911,965	1,888,780	
April-17	30	100%	100%	100%	25.0	23.6	53,511,717	49,527,491	1,096,608	1,024,431	2,121,039	6,300,342
May-17	31	100%	100%	100%	24.5	23.4	54,444,161	50,411,047	932,444	883,556	1,816,000	
June-17	29	97%	100%	100%	19.7	24.1	55,646,695	51,571,816	1,202,534	1,160,769	2,363,303	
July-17	23	74%	100%	100%	15.9 *	23.7	56,191,182	52,359,043	544,487	787,227	1,331,714	4,577,965
August-17	22	71%	100%	100%	16.5 *	23.8	56,726,638	53,145,185	535,456	786,142	1,321,598	
September-17	30	100%	100%	100%	16.4 *	24.0	57,513,034	54,283,442	786,396	1,138,257	1,924,653	
October-17	31	100%	100%	100%	15.9 *	23.2	58,219,935	55,325,647	706,901	1,042,205	1,749,106	5,305,181
November-17	30	100%	100%	100%	15.9 *	23.2	58,901,735	56,353,922	681,800	1,028,275	1,710,075	
December-17	31	100%	100%	100%	17.6 *	23.9	59,686,940	57,414,717	785,205	1,060,795	1,846,000	
Total Flow 2017					**20.3**	**23.7**			**10,487,962**	**11,924,827**	**22,412,789**	

Definitions:
gpm - Gallons per minute
* - flow meter not reading properly
% - percent
Notes:
1 - System started on 8/23/2007.

TABLE 3-1
TREATMENT SYSTEM STATUS AND FLOW SUMMARY
GLADDING CORDAGE SITE
SOUTH OTSELIC, NEW YORK
NYSDEC SITE NO. 7-09-009

Date	System Operation (days)	System On-time % of possible days	Well On-time RW-1 (% possible	Well On-time RW-2 (% possible	Flow Rates RW-1 (gpm)	Flow Rates RW-2 (gpm)	Totalizer RW-1 (gallons)	Totalizer RW-2 (gallons)	Recovery Well Total Flows RW-1 (gallons)	Recovery Well Total Flows RW-2 (gallons)	Total System Flow (gallons)	Quarterly Totals (gallons)
January-18	31	100%	100%	100%	18.0	24.2	60,433,982	58,414,531	747,042	999,814	1,746,856	4,833,473
February-18	23	82%	100%	100%	19.3	23.7	61,058,149	59,201,714	624,167	787,183	1,411,350	
March-18	29	94%	100%	100%	18.9	24.0	61,800,025	60,135,105	741,876	933,391	1,675,267	
April-18	4	13%	4%	4%	19.0	23.5	62,019,377	60,410,372	219,352	275,267	494,619	1,458,414
May-18	0	0%	0%	0%	19.1	23.6	62,365,293	60,849,209	345,916	438,837	784,753	
June-18	4	13%	4%	4%	18.3	23.5	62,442,457	60,951,087	77,164	101,878	179,042	
July-18	19	63%	100%	100%	17.8	23.6	62,731,304	61,333,323	288,847	382,236	671,083	3,201,119
August-18	16	52%	100%	100%	19.6	23.9	63,023,435	61,929,590	292,131	596,267	888,398	
September-18	30	100%	100%	100%	0.0 *	24.6	63,647,602	62,829,352	741,876	899,762	1,641,638	
October-18	20	65%	100%	100%	0.0 *	24.5	63,936,449	63,724,027	288,847	894,675	1,183,522	3,360,388
November-18	18	60%	100%	100%	0.0 *	23.5	64,228,580	64,451,177	292,131	727,150	1,019,281	
December-18	25	81%	100%	100%	0.0 *	23.4	64,517,427	65,319,915	288,847	868,738	1,157,585	
Total Flow 2018					**16.7**	**23.8**			**4,078,371**	**5,414,635**	**12,853,394**	

Definitions:
gpm - Gallons per minute
* - flow meter not reading properly
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TABLE 3-1
TREATMENT SYSTEM STATUS AND FLOW SUMMARY
GLADDING CORDAGE SITE
SOUTH OTSELIC, NEW YORK
NYSDEC SITE NO. 7-09-009

Date	System Operation (days)	System On-time % of possible days	Well On-time RW-1 (% possible	Well On-time RW-2 (% possible	Flow Rates RW-1 (gpm)	Flow Rates RW-2 (gpm)	Totalizer RW-1 (gallons)	Totalizer RW-2 (gallons)	Recovery Well Total Flows RW-1 (gallons)	Recovery Well Total Flows RW-2 (gallons)	Total System Flow (gallons)	Quarterly Totals (gallons)
January-19	22	71%	100%	100%	0 *	22.7	64,635,136	66,057,723	117,709	737,808	855,517	
February-19	20	71%	100%	100%	0 *	22.7	64,924,058	66,815,952	288,922	758,229	1,047,151	3,639,634
March-19	29	94%	100%	100%	17.1	22.2	65,687,411	67,789,565	763,353	973,613	1,736,966	
April-19	19	61%	100%	100%	17.2	21.8	66,104,842	68,305,647	417,431	516,082	933,513	
May-19	31	100%	100%	100%	17.2	21.5	66,882,614	69,275,331	777,772	969,684	1,747,456	4,057,080
June-19	24	77%	100%	100%	17.0	21.5	67,496,022	70,038,034	613,408	762,703	1,376,111	
July-19	30	97%	100%	100%	16.9	21.8	68,239,052	70,976,048	743,030	938,014	1,681,044	
August-19	30	97%	100%	100%	16.8	21.7	68,971,487	71,919,204	732,435	943,156	1,675,591	4,912,641
September-19	27	87%	100%	100%	17.1	23.5	69,636,342	72,810,355	664,855	891,151	1,556,006	
October-19	29	94%	100%	100%	16.8	22.2	70,381,253	73,808,871	744,911	998,516	1,743,427	
November-19	16	52%	100%	100%	16.0	22.4	70,885,743	74,493,869	504,490	684,998	1,189,488	4,585,676
December-19	30	97%	100%	100%	16.4	22.5	71,580,987	75,451,386	695,244	957,517	1,652,761	
Total Flow 2019					**16.9**	**22.2**			**7,063,560**	**10,131,471**	**17,195,031**	

Definitions:
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% - percent
Notes:
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GLADDING CORDAGE SITE
SOUTH OTSELIC, NEW YORK
NYSDEC SITE NO. 7-09-009

Date	System Operation (days)	System On-time % of possible days	Well On-time RW-1 (% possible	Well On-time RW-2 (% possible	Flow Rates RW-1 (gpm)	Flow Rates RW-2 (gpm)	Totalizer RW-1 (gallons)	Totalizer RW-2 (gallons)	Recovery Well Total Flows RW-1 (gallons)	Recovery Well Total Flows RW-2 (gallons)	Total System Flow (gallons)	Quarterly Totals (gallons)
January-20	31	100%	100%	100%	16.7	22.5	72,358,759	76,437,247	777,772	985,861	1,763,633	4,641,973
February-20	27	93%	100%	100%	16.0	22.7	73,023,614	77,283,169	664,855	845,922	1,510,777	
March-20	27	87%	100%	100%	15.6	21.2	73,528,104	78,146,242	504,490	863,073	1,367,563	
April-20	26	87%	100%	100%	15.4	20.3	74,223,348	78,903,084	695,244	756,842	1,452,086	4,119,682
May-20	30	97%	100%	100%	15.1	20.1	75,001,120	79,654,656	777,772	751,572	1,529,344	
June-20	29	97%	100%	100%	15.5	20.2	75,614,528	80,179,500	613,408	524,844	1,138,252	
July-20	29	94%	100%	100%	18.4	20.5	76,359,439	81,179,065	744,911	999,565	1,744,476	4,965,190
August-20	28	90%	100%	100%	18.5	21.9	77,024,294	82,019,058	664,855	839,993	1,504,848	
September-20	30	100%	100%	100%	18.1	21.6	77,802,066	82,957,152	777,772	938,094	1,715,866	
October-20	28	90%	100%	100%	18.6	21.7	78,546,977	83,844,922	744,911	887,770	1,632,681	4,780,976
November-20	28	90%	100%	100%	18.5	21.6	717,261	750,638	717,261	750,638	1,467,899	
December-20	27	87%	100%	100%	21.4	22.0	1,548,415	1,599,880	831,154	849,242	1,680,396	
Total Flow 2020					**17.3**	**21.4**			**8,514,405**	**9,993,416**	**18,507,821**	

Definitions:
gpm - Gallons per minute
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% - percent
Notes:
1 - System started on 8/23/2007.
2 - Totalizer reset on 11/5/2020.

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TREATMENT SYSTEM STATUS AND FLOW SUMMARY
GLADDING CORDAGE SITE
SOUTH OTSELIC, NEW YORK
NYSDEC SITE NO. 7-09-009

Date	System Operation (days)	System On-time % of possible days	Well On-time RW-1 (% possible	Well On-time RW-2 (% possible	Flow Rates RW-1 (gpm)	Flow Rates RW-2 (gpm)	Totalizer RW-1 (gallons)	Totalizer RW-2 (gallons)	Recovery Well Total Flows RW-1 (gallons)	Recovery Well Total Flows RW-2 (gallons)	Total System Flow (gallons)	Quarterly Totals (gallons)
January-21	31	100%	100%	100%	16.7	22.5	2,479,526	2,518,399	931,111	918,519	1,849,630	4,950,535
February-21	27	93%	100%	100%	16.0	22.7	3,251,954	3,325,019	772,428	806,620	1,579,048	
March-21	27	87%	100%	100%	15.6	21.2	3,906,161	4,192,669	654,207	867,650	1,521,857	
April-21	19	61%	100%	100%	15.3	21.7	4,292,528	4,764,853	386,367	572,184	958,551	2,420,100
May-21	13	42%	100%	100%	15.2	21.5	4,421,700	5,235,886	129,172	471,033	600,205	
June-21	17	57%	100%	100%	15.5	20.6	4,783,523	5,735,407	361,823	499,521	861,344	
Total Flow 2021					**15.7**	**21.7**			**3,235,108**	**4,135,527**	**7,370,635**	

Definitions:
gpm - Gallons per minute
* - flow meter not reading properly
% - percent
Notes:
1 - System started on 8/23/2007.
2 - Totalizer reset on 11/5/2020.

TABLE 3-2
SUMMARY OF GROUNDWATER TREATMENT SYSTEM VOCS (INFLUENT - RW-1)
GLADDING CORDAGE SITE
SOUTH OTSELIC, NEW YORK
NYSDEC SITE NO. 7-09-009

Sample ID Sampling Date	NYSDEC Class GA Standard	RW-1 1/30/2017	RW-1 2/27/2017	RW-1 3/23/2017	RW-1 4/26/2017	RW-1 5/24/2017	RW-1 6/29/2017	RW-1 7/31/2017	RW-1 8/28/2017	RW-1 9/20/2017	RW-1 10/23/2017	RW-1 10/25/2017	RW-1 10/26/2017	RW-1 11/28/2017	RW-1 12/29/2017
Volatile Organic Compounds (µg/L)															
1,1,1-Trichloroethane	5.0	35	34	40	30	31	35	30	41	39	34	37	37	38	41
1,1,2,2-Tetrachloroethane	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,1,2-Trichloroethane	1.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,1-Dichloroethane	5.0*	1.5 J	1.5 J	1.7 J	1.4 J	1.4 J	1.5 J	1.4 J	1.8 J	1.6 J	1.6 J	1.8 J	1.8 J	1.9 J	1.7 J
1,1-Dichloroethene	5.0	0.86 J	1.7 J	0.99 J	0.65 J	0.69 J	0.74 J	0.77 J	0.98 J	0.83 J	0.74 J	0.74 J	0.74 J	0.98 J	0.97 J
1,2-Dichlorobenzene	3.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichloroethane	0.6	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichloropropane	1.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,3-Dichlorobenzene	3.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,4-Dichlorobenzene	3.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Benzene	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Bromoform	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Bromomethane	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Carbon Tetrachloride	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chlorobenzene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloroethane	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloroform	7.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloromethane	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
cis-1,3-Dichloropropene	0.4	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Ethyl Benzene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
m/p-Xylenes	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methyl tert-butyl Ether	10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methylene Chloride	5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
o-Xylene	5.0*	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Tetrachloroethene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Toluene	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
trans-1,3-Dichloropropene	0.4	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Trichloroethene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Trichlorofluoromethane	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Vinyl Chloride	2.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total VOCs		37.36	37.2	42.69	32.05	33.09	37.24	32.17	43.78	41.43	36.34	39.54	39.54	40.88	43.67

Definitions:
* - NYSDEC Principal Organic Contaminant Standard of 5 µg/L applies to this compound.
µg/L - microgram per liter
F1 - MS and/or MSD recovery exceeds control limits
J - Compound was detected below the reporting limit or concentration is estimated for TICS.
NYSDEC - New York State Department of Environmental Conservation
U - The compound was not detected at the indicated concentration.
B - Compound was found in the blank and sample
Notes:
1. Concentrations detected above the NYSDEC Class GA Standard are highlighted in yellow.

TABLE 3-2
SUMMARY OF GROUNDWATER TREATMENT SYSTEM VOCS (INFLUENT - RW-1)
GLADDING CORDAGE SITE
SOUTH OTSELIC, NEW YORK
NYSDEC SITE NO. 7-09-009

Sample ID Sampling Date	NYSDEC Class GA Standard	RW-1 1/29/2018	RW-1 2/26/2018	RW-1 3/29/2018	RW-1 6/22/2018	RW-1 7/29/2018	RW-1 8/27/2018	RW-1 9/27/2018	RW-1 10/19/2018	RW-1 11/26/2018	RW-1 12/16/2018
Volatile Organic Compounds (µg/L)											
1,1,1-Trichloroethane	5.0	**38**	**40**	**37**	**41**	**42 J**	**45**	**47**	**47**	**35**	**35**
1,1,2,2-Tetrachloroethane	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,1,2-Trichloroethane	1.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,1-Dichloroethane	5.0*	1.5 J	1.6 J	1.3 J	1.9 J	1.7 J	1.8 J	1.6 J	1.7 J	1.6 J	1.7 J
1,1-Dichloroethene	5.0	0.84 J	0.87 J	0.77 J	0.85 J	0.79 J	1.0 J	0.99 J	1.0 J	0.96 J	0.98 J
1,2-Dichlorobenzene	3.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichloroethane	0.6	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichloropropane	1.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,3-Dichlorobenzene	3.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,4-Dichlorobenzene	3.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Benzene	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Bromoform	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Bromomethane	5.0	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.6 J	0.9 J
Carbon Tetrachloride	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chlorobenzene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloroethane	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloroform	7.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloromethane	5.0	2.0 U	2.0 UR-06	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
cis-1,3-Dichloropropene	0.4	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Ethyl Benzene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
m/p-Xylenes	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methyl tert-butyl Ether	10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methylene Chloride	5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
o-Xylene	5.0*	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Tetrachloroethene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Toluene	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
trans-1,3-Dichloropropene	0.4	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Trichloroethene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Trichlorofluoromethane	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Vinyl Chloride	2.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total VOCs		40.34	42.47	39.07	43.75	44.49	47.8	49.59	49.7	38.16	38.58

Definitions:
* - NYSDEC Principal Organic Contaminant Standard of 5 µg/L applies to this compound.
µg/L - microgram per liter
F1 - MS and/or MSD recovery exceeds control limits
J - Compound was detected below the reporting limit or concentration is estimated for TICS.
NYSDEC - New York State Department of Environmental Conservation
U - The compound was not detected at the indicated concentration.
B - Compound was found in the blank and sample
Notes:
1. Concentrations detected above the NYSDEC Class GA Standard are highlighted in yellow.

TABLE 3-2
SUMMARY OF GROUNDWATER TREATMENT SYSTEM VOCS (INFLUENT - RW-1)
GLADDING CORDAGE SITE
SOUTH OTSELIC, NEW YORK
NYSDEC SITE NO. 7-09-009

Sample ID Sampling Date	NYSDEC Class GA Standard	RW-1 1/21/2019	RW-1 2/14/2019	RW-1 3/26/2019	RW-1 4/30/2019	RW-1 5/20/2019	RW-1 6/22/2019	RW-1 7/26/2019	RW-1 8/15/2019	RW-1 9/26/2019	RW-1 10/25/2019	RW-1 11/22/2019	RW-1 12/12/2019
Volatile Organic Compounds (µg/L)													
1,1,1-Trichloroethane	5.0	**36.1**	**39.4**	**32.3**	**42.6**	**35.4**	**35.3**	**34.4**	**42.8**	**40.9**	**34.4**	**33.6**	**40.7**
1,1,2,2-Tetrachloroethane	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,1,2-Trichloroethane	1.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,1-Dichloroethane	5.0*	1.37 J	1.4 J	1.02 J	1.58 J	1.26 J	1.3 J	1.34 J	1.36 J	1.78 J	1.48 J	1.55	1.65 J
1,1-Dichloroethene	5.0	3.39 J	0.79 J	0.7 J	1.08 J	0.86 J	0.86 J	0.77 J	0.73 J	1.08 J	0.82 J	0.89	0.85 J
1,2-Dichlorobenzene	3.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	3.0 U	3.0 U
1,2-Dichloroethane	0.6	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichloropropane	1.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,3-Dichlorobenzene	3.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,4-Dichlorobenzene	3.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Benzene	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Bromoform	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Bromomethane	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Carbon Tetrachloride	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chlorobenzene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloroethane	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloroform	7.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloromethane	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
cis-1,3-Dichloropropene	0.4	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Ethyl Benzene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.13 J
m/p-Xylenes	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.63 J
Methyl tert-butyl Ether	10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methylene Chloride	5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
o-Xylene	5.0*	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.21 J
Tetrachloroethene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	3.0 U
Toluene	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.37 J
trans-1,2-Dichloroethene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
trans-1,3-Dichloropropene	0.4	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Trichloroethene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Trichlorofluoromethane	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Vinyl Chloride	2.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total VOCs		42.86	43.59	34.02	45.26	37.52	37.46	36.51	44.89	43.76	36.7	36.04	43.2

Definitions:
* - NYSDEC Principal Organic Contaminant Standard of 5 µg/L applies to this compound.
µg/L - microgram per liter
F1 - MS and/or MSD recovery exceeds control limits
J - Compound was detected below the reporting limit or concentration is estimated for TICS.
NYSDEC - New York State Department of Environmental Conservation
U - The compound was not detected at the indicated concentration.
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Notes:
1. Concentrations detected above the NYSDEC Class GA Standard are highlighted in yellow.

TABLE 3-2
SUMMARY OF GROUNDWATER TREATMENT SYSTEM VOCS (INFLUENT - RW-1)
GLADDING CORDAGE SITE
SOUTH OTSELIC, NEW YORK
NYSDEC SITE NO. 7-09-009

Sample ID Sampling Date	NYSDEC Class GA Standard	RW-1 1/13/2020	RW-1 2/6/2020	RW-1 3/12/2020	RW-1 4/15/2020	RW-1 5/5/2020	RW-1 6/15/2020	RW-1 7/7/2020	RW-1 8/4/2020	RW-1 9/16/2020	RW-1 10/6/2020	RW-1 11/10/2020	RW-1 12/8/2020
Volatile Organic Compounds (µg/L)													
1,1,1-Trichloroethane	5.0	38.1	35.6	31	37	35 F1	39 F1	32	35	39	43	38	40 F1
1,1,2,2-Tetrachloroethane	5.0	2.0 U	2.0 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1.0	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	5.0*	1.5 J	1.44 J	1.2	1.4	1.2	1.2	1.2	1.3	1.2	1.5	1.3	1.5
1,1-Dichloroethene	5.0	0.81 J	0.78 J	1.0 U	0.89 J	1.1	1.0	1.1	0.79 J	0.91 J	1.5	1.0	0.56 J
1,2-Dichlorobenzene	3.0	3.0 U	3.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	1.0	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	3.0	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	3.0	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	50	2.0 U	2.0 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	50	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	5.0	2.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride	5.0	2.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	5.0	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	5.0	2.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	7.0	2.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	5.0	2.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	0.4	2.0 U	2.0 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethyl Benzene	5.0	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m/p-Xylenes	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methyl tert-butyl Ether	10	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene Chloride	5.0	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.54 J B	1.0 U	1.0 U
o-Xylene	5.0*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5.0	2.0 U	2.0 U	1.0 U	1.0 U F1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5.0	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	0.4	2.0 U	2.0 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5.0	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	5.0	2.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Chloride	2.0	2.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total VOCs		40.41	37.82	32.2	39.29	37.3	41.2	34.3	37.1	41.1	46.0	40.3	42.1

Definitions:
* - NYSDEC Principal Organic Contaminant Standard of 5 µg/L applies to this compound.
µg/L - microgram per liter
F1 - MS and/or MSD recovery exceeds control limits
J - Compound was detected below the reporting limit or concentration is estimated for TICS.
NYSDEC - New York State Department of Environmental Conservation
U - The compound was not detected at the indicated concentration.
B - Compound was found in the blank and sample
Notes:
1. Concentrations detected above the NYSDEC Class GA Standard are highlighted in yellow.

TABLE 3-2
SUMMARY OF GROUNDWATER TREATMENT SYSTEM VOCS (INFLUENT - RW-1)
GLADDING CORDAGE SITE
SOUTH OTSELIC, NEW YORK
NYSDEC SITE NO. 7-09-009

Sample ID Sampling Date	NYSDEC Class GA Standard	RW-1 1/12/2021	RW-1 2/9/2021	RW-1 3/9/2021	RW-1 4/15/2021	RW-1 5/11/2021	RW-1 6/23/2021
Volatile Organic Compounds (µg/L)							
1,1,1-Trichloroethane	5.0	**39**	**35**	**39**	**42**	**39**	**38**
1,1,2,2-Tetrachloroethane	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	5.0*	1.3	1.2	1.3	1.6	0.93	1.2
1,1-Dichloroethene	5.0	0.82 J	0.79 J	1.0 J	1.1 J	1.0 J	1.0
1,2-Dichlorobenzene	3.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	3.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	3.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	7.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethyl Benzene	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m/p-Xylenes	5.0	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	2.0 U
Methyl tert-butyl Ether	10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene Chloride	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
o-Xylene	5.0*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Chloride	2.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total VOCs		41.12	36.99	41.3	44.7	40.93	40.2

Definitions:
* - NYSDEC Principal Organic Contaminant Standard of 5 µg/L applies to this compound.
µg/L - microgram per liter
F1 - MS and/or MSD recovery exceeds control limits
J - Compound was detected below the reporting limit or concentration is estimated for TICS.
NYSDEC - New York State Department of Environmental Conservation
U - The compound was not detected at the indicated concentration.
B - Compound was found in the blank and sample
Notes:
1. Concentrations detected above the NYSDEC Class GA Standard are highlighted in yellow.

TABLE 3-3
SUMMARY OF GROUNDWATER TREATMENT SYSTEM VOCS (INFLUENT - RW-2)
GLADDING CORDAGE SITE
SOUTH OTSELIC, NEW YORK
NYSDEC SITE NO. 7-09-009

Sample ID Sampling Date	NYSDEC Class GA Standard	RW-2 1/30/2017	RW-2 2/27/2017	RW-2 3/23/2017	RW-2 4/26/2017	RW-2 5/24/2017	RW-2 6/29/2017	RW-2 7/31/2017	RW-2 8/28/2017	RW-2 9/20/2017	RW-2 10/23/2017	RW-2 10/25/2017	RW-2 11/28/2017	RW-2 12/29/2017
Volatile Organic Compounds (µg/L)														
1,1,1-Trichloroethane	5.0	**30**	**29**	**33**	**26**	**27**	**31**	**25**	**41**	**32**	**28**	**36**	**30**	**32**
1,1,2,2-Tetrachloroethane	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,1,2-Trichloroethane	1.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,1-Dichloroethane	5.0*	0.63 J	0.66 J	0.76 J	0.63 J	0.65 J	0.75 J	0.64 J	1.0 J	0.72 J	0.66 J	0.9 J	0.82 J	0.71 J
1,1-Dichloroethene	5.0	0.65 J	1.1 J	0.71 J	0.51 J	0.57 J	0.55 J	0.65 J	0.92 J	0.61 J	0.6 J	0.8 J	0.66 J	0.72 J
1,2-Dichlorobenzene	3.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichloroethane	0.6	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichloropropane	1.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,3-Dichlorobenzene	3.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,4-Dichlorobenzene	3.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Benzene	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Bromoform	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Bromomethane	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Carbon Tetrachloride	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chlorobenzene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloroethane	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloroform	7.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloromethane	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
cis-1,3-Dichloropropene	0.4	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Ethyl Benzene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
m/p-Xylenes	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methyl tert-butyl Ether	10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methylene Chloride	5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
o-Xylene	5.0*	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Tetrachloroethene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Toluene	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
trans-1,3-Dichloropropene	0.4	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Trichloroethene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Trichlorofluoromethane	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Vinyl Chloride	2.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total VOCs		31.28	30.76	34.47	27.14	28.22	32.3	26.29	42.92	33.33	29.26	37.7	31.48	33.43

Definitions:
* - NYSDEC Principal Organic Contaminant Standard of 5 µg/L applies to this compound.
µg/L - microgram per liter
F1 - MS and/or MSD recovery exceeds control limits
J - Compound was detected below the reporting limit or concentration is estimated for TICS.
NYSDEC - New York State Department of Environmental Conservation
U - The compound was not detected at the indicated concentration.
B - Compound was found in the blank and sample
Notes:
1. Concentrations detected above the NYSDEC Class GA Standard are highlighted in yellow.

TABLE 3-3
SUMMARY OF GROUNDWATER TREATMENT SYSTEM VOCS (INFLUENT - RW-2)
GLADDING CORDAGE SITE
SOUTH OTSELIC, NEW YORK
NYSDEC SITE NO. 7-09-009

Sample ID Sampling Date	NYSDEC Class GA Standard	RW-2 1/29/2018	RW-2 2/27/2018	RW-2 3/29/2018	RW-2 6/22/2018	RW-2 7/29/2018	RW-2 8/27/2018	RW-2 9/27/2018	RW-2 10/19/2018	RW-2 11/26/2018	RW-2 12/16/2018
Volatile Organic Compounds (µg/L)											
1,1,1-Trichloroethane	5.0	**30**	**32**	**29**	**50**	**49**	**51**	**43**	**37**	**29**	**29**
1,1,2,2-Tetrachloroethane	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,1,2-Trichloroethane	1.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,1-Dichloroethane	5.0*	0.63 J	0.73 J	0.64 J	1.4 J	1.3 J	1.3 J	0.92 J	0.89 J	0.76 J	0.78 J
1,1-Dichloroethene	5.0	0.61 J	0.67 J	0.57 J	1.2 J	0.93 J	1.1 J	0.92 J	0.85 J	0.75 J	0.75 J
1,2-Dichlorobenzene	3.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichloroethane	0.6	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichloropropane	1.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,3-Dichlorobenzene	3.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,4-Dichlorobenzene	3.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Benzene	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Bromoform	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Bromomethane	5.0	5.0 U	2.0 U	5.0 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.62 J	0.65 J
Carbon Tetrachloride	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chlorobenzene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloroethane	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloroform	7.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloromethane	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
cis-1,3-Dichloropropene	0.4	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Ethyl Benzene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
m/p-Xylenes	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methyl tert-butyl Ether	10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methylene Chloride	5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
o-Xylene	5.0*	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Tetrachloroethene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Toluene	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
trans-1,3-Dichloropropene	0.4	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Trichloroethene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Trichlorofluoromethane	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Vinyl Chloride	2.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total VOCs		31.24	33.4	30.21	52.6	51.23	53.4	44.84	38.74	30.51	30.53

Definitions:
* - NYSDEC Principal Organic Contaminant Standard of 5 µg/L applies to this compound.
µg/L - microgram per liter
F1 - MS and/or MSD recovery exceeds control limits
J - Compound was detected below the reporting limit or concentration is estimated for TICS.
NYSDEC - New York State Department of Environmental Conservation
U - The compound was not detected at the indicated concentration.
B - Compound was found in the blank and sample
Notes:
1. Concentrations detected above the NYSDEC Class GA Standard are highlighted in yellow.

TABLE 3-3
SUMMARY OF GROUNDWATER TREATMENT SYSTEM VOCS (INFLUENT - RW-2)
GLADDING CORDAGE SITE
SOUTH OTSELIC, NEW YORK
NYSDEC SITE NO. 7-09-009

Sample ID Sampling Date	NYSDEC Class GA Standard	RW-2 1/21/2019	RW-2 2/14/2019	RW-2 3/26/2019	RW-2 4/30/2019	RW-2 5/20/2019	RW-2 6/22/2019	RW-2 7/26/2019	RW-2 8/15/2019	RW-2 9/26/2019	RW-2 10/25/2019	RW-2 11/22/2019	RW-2 12/12/2019
Volatile Organic Compounds (µg/L)													
1,1,1-Trichloroethane	5.0	**27.8**	**40.2**	**28**	**43.2**	**29.2**	**29.5**	**27.9**	**34.2**	**38.4**	**26.9**	**25.8**	**32.6**
1,1,2,2-Tetrachloroethane	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,1,2-Trichloroethane	1.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,1-Dichloroethane	5.0*	0.67 J	0.9 J	0.54 J	1.0 J	0.63 J	0.7 J	2.0 U	0.67 J	1.05 J	0.73 J	0.73 J	0.79 J
1,1-Dichloroethene	5.0	4.1	0.78 J	0.61 J	1.05 J	0.68 J	0.66 J	0.67 J	0.57 J	0.95 J	0.73 J	0.69 J	0.68 J
1,2-Dichlorobenzene	3.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichloroethane	0.6	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichloropropane	1.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,3-Dichlorobenzene	3.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,4-Dichlorobenzene	3.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Benzene	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Bromoform	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Bromomethane	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Carbon Tetrachloride	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chlorobenzene	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloroethane	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloroform	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloromethane	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
cis-1,3-Dichloropropene	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Ethyl Benzene	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
m/p-Xylenes	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methyl tert-butyl Ether	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methylene Chloride	50	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
o-Xylene	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Tetrachloroethene	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Toluene	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
trans-1,3-Dichloropropene	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Trichloroethene	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Trichlorofluoromethane	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Vinyl Chloride	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total VOCs		32.57	41.88	29.15	45.25	30.51	30.86	28.57	35.44	40.4	28.36	27.22	34.07

Definitions:
* - NYSDEC Principal Organic Contaminant Standard of 5 µg/L applies to this compound.
µg/L - microgram per liter
F1 - MS and/or MSD recovery exceeds control limits
J - Compound was detected below the reporting limit or concentration is estimated for TICS.
NYSDEC - New York State Department of Environmental Conservation
U - The compound was not detected at the indicated concentration.
B - Compound was found in the blank and sample
Notes:
1. Concentrations detected above the NYSDEC Class GA Standard are highlighted in yellow.

TABLE 3-3
SUMMARY OF GROUNDWATER TREATMENT SYSTEM VOCS (INFLUENT - RW-2)
GLADDING CORDAGE SITE
SOUTH OTSELIC, NEW YORK
NYSDEC SITE NO. 7-09-009

Sample ID Sampling Date	NYSDEC Class GA Standard	RW-2 1/13/2020	RW-2 2/6/2020	RW-2 3/12/2020	RW-2 4/15/2020	RW-2 5/5/2020	RW-2 6/15/2020	RW-2 7/7/2020	RW-2 8/4/2020	RW-2 9/16/2020	RW-2 10/6/2020	RW-2 11/10/2020	RW-2 12/8/2020
Volatile Organic Compounds (µg/L)													
1,1,1-Trichloroethane	5.0	**28.4**	**29.9**	**26**	**24**	**29**	**43**	**28**	**29**	**32**	**32**	**29**	**30**
1,1,2,2-Tetrachloroethane	5.0	2.0 U	2.0 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1.0	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	5.0*	0.65 J	0.7 J	1.0 U	0.62 J	0.61 J	0.82 J	0.62 J	0.69 J	0.62 J	0.75 J	0.64 J	0.61 J
1,1-Dichloroethene	5.0	0.57 J	0.64 J	1.0 U	0.6 J	0.78 J	1.0	0.95 J	0.76 J	0.65 J	1.3	0.67 J	0.53 J
1,2-Dichlorobenzene	3.0	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	1.0	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	3.0	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	3.0	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	50	2.0 U	2.0 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	50	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	5.0	2.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride	5.0	2.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	5.0	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	5.0	2.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	7.0	2.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	5.0	2.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	0.4	2.0 U	2.0 U	0.50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethyl Benzene	5.0	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m/p-Xylenes	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methyl tert-butyl Ether	10	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene Chloride	5.0	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.52 JB	1.0 U	1.0 U
o-Xylene	5.0*	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5.0	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5.0	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	0.4	2.0 U	2.0 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5.0	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	5.0	2.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Chloride	2.0	2.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total VOCs		29.62	31.24	26	25.22	30.4	44.8	29.6	30.5	33.3	34.1	30.3	31.1

Definitions:
* - NYSDEC Principal Organic Contaminant Standard of 5 µg/L applies to this compound.
µg/L - microgram per liter
F1 - MS and/or MSD recovery exceeds control limits
J - Compound was detected below the reporting limit or concentration is estimated for TICS.
NYSDEC - New York State Department of Environmental Conservation
U - The compound was not detected at the indicated concentration.
B - Compound was found in the blank and sample
Notes:
1. Concentrations detected above the NYSDEC Class GA Standard are highlighted in yellow.

TABLE 3-3
SUMMARY OF GROUNDWATER TREATMENT SYSTEM VOCS (INFLUENT - RW-2)
GLADDING CORDAGE SITE
SOUTH OTSELIC, NEW YORK
NYSDEC SITE NO. 7-09-009

Sample ID Sampling Date	NYSDEC Class GA	RW-2 1/12/2021	RW-2 2/9/2021	RW-2 3/9/2021	RW-2 4/15/2021	RW-2 5/11/2021	RW-2 6/23/2021
Volatile Organic Compounds (µg/L)							
1,1,1-Trichloroethane	5.0	**28**	**28**	**30**	**32**	**33**	**32**
1,1,2,2-Tetrachloroethane	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	5.0*	0.56 J	0.67 J	0.65 U	0.68 J	0.81 J	0.66 J
1,1-Dichloroethene	5.0	0.58 J	0.52 J	0.77 U	0.9 J	1.1 J	0.83 J
1,2-Dichlorobenzene	3.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	3.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	3.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	7.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethyl Benzene	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m/p-Xylenes	5.0	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	2.0 U
Methyl tert-butyl Ether	10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene Chloride	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
o-Xylene	5.0*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Chloride	2.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total VOCs		29.14	29.19	31	33.59	34.91	33.49

Definitions:
* - NYSDEC Principal Organic Contaminant Standard of 5 µg/L applies to this compound.
µg/L - microgram per liter
F1 - MS and/or MSD recovery exceeds control limits
J - Compound was detected below the reporting limit or concentration is estimated for TICS.
NYSDEC - New York State Department of Environmental Conservation
U - The compound was not detected at the indicated concentration.
B - Compound was found in the blank and sample
Notes:
1. Concentrations detected above the NYSDEC Class GA Standard are highlighted in yellow.

TABLE 3-4
SUMMARY OF GROUNDWATER TREATMENT SYSTEM VOCS (EFFLUENT)
GLADDING CORDAGE SITE
SOUTH OTSELIC, NEW YORK
NYSDEC SITE NO. 7-09-009

Sample ID Sampling Date	NYSDEC Class GA Standard	EFF(46HZ) 1/30/2017	EFF(46HZ) 2/27/2017	EFF(46HZ) 3/23/2017	EFF(46HZ) 4/26/2017	EFF(46HZ) 5/24/2017	EFF(46HZ) 6/29/2017	EFF(46HZ) 7/31/2017	EFF(46HZ) 8/28/2017	EFF(46HZ) 9/20/2017	EFF(46HZ) 10/23/2017	EFF(46HZ) 10/25/2017	EFF(46HZ) 11/28/2017	EFF(46HZ) 12/29/2017
Volatile Organic Compounds (µg/L)														
1,1,1-Trichloroethane	5.0	1.0 U	1.0 U	1.0 U	1.0 U	0.22	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,1,2-Trichloroethane	1.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,1-Dichloroethane	5.0*	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,1-Dichloroethene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichlorobenzene	3.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichloroethane	0.6	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichloropropane	1.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,3-Dichlorobenzene	3.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,4-Dichlorobenzene	3.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Benzene	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Bromoform	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Bromomethane	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Carbon Tetrachloride	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chlorobenzene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloroethane	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloroform	7.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloromethane	5.0	2.0 U	2.0 U	0.66 J	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
cis-1,3-Dichloropropene	0.4	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Dibromochloromethane	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Ethyl Benzene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
m/p-Xylenes	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methyl tert-butyl Ether	10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methylene Chloride	5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
o-Xylene	5.0*	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Tetrachloroethene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Toluene	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
trans-1,3-Dichloropropene	0.4	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Trichloroethene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Trichlorofluoromethane	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Vinyl Chloride	2.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total VOCs		ND	ND	0.66	ND	0.22	ND	ND	ND	ND	ND	ND	ND	ND

Definitions:
* - NYSDEC Principal Organic Contaminant Standard of 5 µg/L applies to this compound.
µg/L - microgram per liter
J - Compound was detected below the reporting limit or concentration is estimated for TICS.
NA - Not analyzed
ND - Non-detect
NYSDEC - New York State Department of Environmental Conservation
U - The compound was not detected at the indicated concentration.
B - Compound was found in the blank and sample
Notes:
1. Concentrations detected above the NYSDEC Class GA Standard are highlighted in yellow.

TABLE 3-4
SUMMARY OF GROUNDWATER TREATMENT SYSTEM VOCS (EFFLUENT)
GLADDING CORDAGE SITE
SOUTH OTSELIC, NEW YORK
NYSDEC SITE NO. 7-09-009

Sample ID Sampling Date	NYSDEC Class GA Standard	EFF(46HZ) 1/29/2018	EFF(46HZ) 1/30/2018	EFF(46HZ) 2/26/2018	EFF(46HZ) 3/29/2018	EFF(46HZ) 6/22/2018	EFF(46HZ) 7/29/2018	EFF(46HZ) 8/28/2018	EFF(46HZ) 9/27/2018	EFF(46HZ) 10/19/2018	EFF(46HZ) 11/26/2018	EFF(46HZ) 12/16/2018
Volatile Organic Compounds (µg/L)												
1,1,1-Trichloroethane	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,1,2,2-Tetrachloroethane	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,1,2-Trichloroethane	1.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,1-Dichloroethane	5.0*	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,1-Dichloroethene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichlorobenzene	3.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichloroethane	0.6	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichloropropane	1.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,3-Dichlorobenzene	3.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,4-Dichlorobenzene	3.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Benzene	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Bromoform	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Bromomethane	5.0	2.0 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.82 J	0.93 J
Carbon Tetrachloride	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chlorobenzene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloroethane	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloroform	7.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloromethane	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
cis-1,3-Dichloropropene	0.4	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Dibromochloromethane	50	2.0 U	NA	NA	NA	NA	NA	NA	NA	2.0 U	2.0 U	2.0 U
Ethyl Benzene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
m/p-Xylenes	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methyl tert-butyl Ether	10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methylene Chloride	5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
o-Xylene	5.0*	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Tetrachloroethene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Toluene	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
trans-1,3-Dichloropropene	0.4	5.0 U	2.0 U	2.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	2.0 U
Trichloroethene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Trichlorofluoromethane	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Vinyl Chloride	2.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total VOCs		ND	ND	ND	ND	ND	ND	ND	ND	ND	0.82	0.93

Definitions:
* - NYSDEC Principal Organic Contaminant Standard of 5 µg/L applies to this compound.
µg/L - microgram per liter
J - Compound was detected below the reporting limit or concentration is estimated for TICS.
NA - Not analyzed
ND - Non-detect
NYSDEC - New York State Department of Environmental Conservation
U - The compound was not detected at the indicated concentration.
B - Compound was found in the blank and sample
Notes:
1. Concentrations detected above the NYSDEC Class GA Standard are highlighted in yellow.

TABLE 3-4
SUMMARY OF GROUNDWATER TREATMENT SYSTEM VOCS (EFFLUENT)
GLADDING CORDAGE SITE
SOUTH OTSELIC, NEW YORK
NYSDEC SITE NO. 7-09-009

Sample ID Sampling Date	NYSDEC Class GA Standard	EFF(46HZ) 1/21/2019	EFF(46HZ) 2/14/2019	EFF(46HZ) 3/26/2019	EFF(46HZ) 4/30/2019	EFF(46HZ) 5/20/2019	EFF(46HZ) 6/22/219	EFF(46HZ) 7/26/2019	EFF(46HZ) 8/15/2019	EFF(46HZ) 9/26/2019	EFF(46HZ) 10/25/2019	EFF(46HZ) 11/22/2019	EFF(46HZ) 12/12/2020
Volatile Organic Compounds (µg/L)													
1,1,1-Trichloroethane	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,1,2,2-Tetrachloroethane	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,1,2-Trichloroethane	1.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,1-Dichloroethane	5.0*	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,1-Dichloroethene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichlorobenzene	3.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichloroethane	0.6	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichloropropane	1.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,3-Dichlorobenzene	3.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,4-Dichlorobenzene	3.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Benzene	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Bromoform	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Bromomethane	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Carbon Tetrachloride	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chlorobenzene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloroethane	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloroform	7.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloromethane	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
cis-1,3-Dichloropropene	0.4	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Dibromochloromethane	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Ethyl Benzene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
m/p-Xylenes	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methyl tert-butyl Ether	10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methylene Chloride	5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
o-Xylene	5.0*	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Tetrachloroethene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Toluene	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
trans-1,3-Dichloropropene	0.4	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Trichloroethene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Trichlorofluoromethane	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Vinyl Chloride	2.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total VOCs		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Definitions:
* - NYSDEC Principal Organic Contaminant Standard of 5 µg/L applies to this compound.
µg/L - microgram per liter
J - Compound was detected below the reporting limit or concentration is estimated for TICS.
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Notes:
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TABLE 3-4
SUMMARY OF GROUNDWATER TREATMENT SYSTEM VOCS (EFFLUENT)
GLADDING CORDAGE SITE
SOUTH OTSELIC, NEW YORK
NYSDEC SITE NO. 7-09-009

Sample ID Sampling Date	NYSDEC Class GA Standard	EFF(46HZ) 1/13/2020	EFF(46HZ) 2/6/2020	EFF(46HZ) 3/12/2020	EFF(46HZ) 4/15/2020	EFF(46HZ) 5/5/2020	EFF(46HZ) 6/15/2020	EFF(46HZ) 7/7/2020	EFF(46HZ) 8/4/2020	EFF(46HZ) 9/16/2020	EFF(46HZ) 10/6/2020	EFF(46HZ) 11/10/2020	EFF(46HZ) 12/8/2020
Volatile Organic Compounds (µg/L)													
1,1,1-Trichloroethane	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,1,2,2-Tetrachloroethane	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,1,2-Trichloroethane	1.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,1-Dichloroethane	5.0*	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,1-Dichloroethene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichlorobenzene	3.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichloroethane	0.6	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichloropropane	1.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,3-Dichlorobenzene	3.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,4-Dichlorobenzene	3.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Benzene	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Bromoform	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Bromomethane	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Carbon Tetrachloride	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chlorobenzene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloroethane	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloroform	7.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloromethane	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
cis-1,3-Dichloropropene	0.4	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Dibromochloromethane	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Ethyl Benzene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
m/p-Xylenes	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methyl tert-butyl Ether	10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methylene Chloride	5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	0.6 J B	5.0 U	5.0 U
o-Xylene	5.0*	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Tetrachloroethene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Toluene	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
trans-1,3-Dichloropropene	0.4	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Trichloroethene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Trichlorofluoromethane	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Vinyl Chloride	2.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total VOCs		ND	ND	ND	ND	ND	ND	ND	ND	ND	0.6	ND	ND

Definitions:
* - NYSDEC Principal Organic Contaminant Standard of 5 µg/L applies to this compound.
µg/L - microgram per liter
J - Compound was detected below the reporting limit or concentration is estimated for TICS.
NA - Not analyzed
ND - Non-detect
NYSDEC - New York State Department of Environmental Conservation
U - The compound was not detected at the indicated concentration.
B - Compound was found in the blank and sample
Notes:
1. Concentrations detected above the NYSDEC Class GA Standard are highlighted in yellow.

TABLE 3-4
SUMMARY OF GROUNDWATER TREATMENT SYSTEM VOCS (EFFLUENT)
GLADDING CORDAGE SITE
SOUTH OTSELIC, NEW YORK
NYSDEC SITE NO. 7-09-009

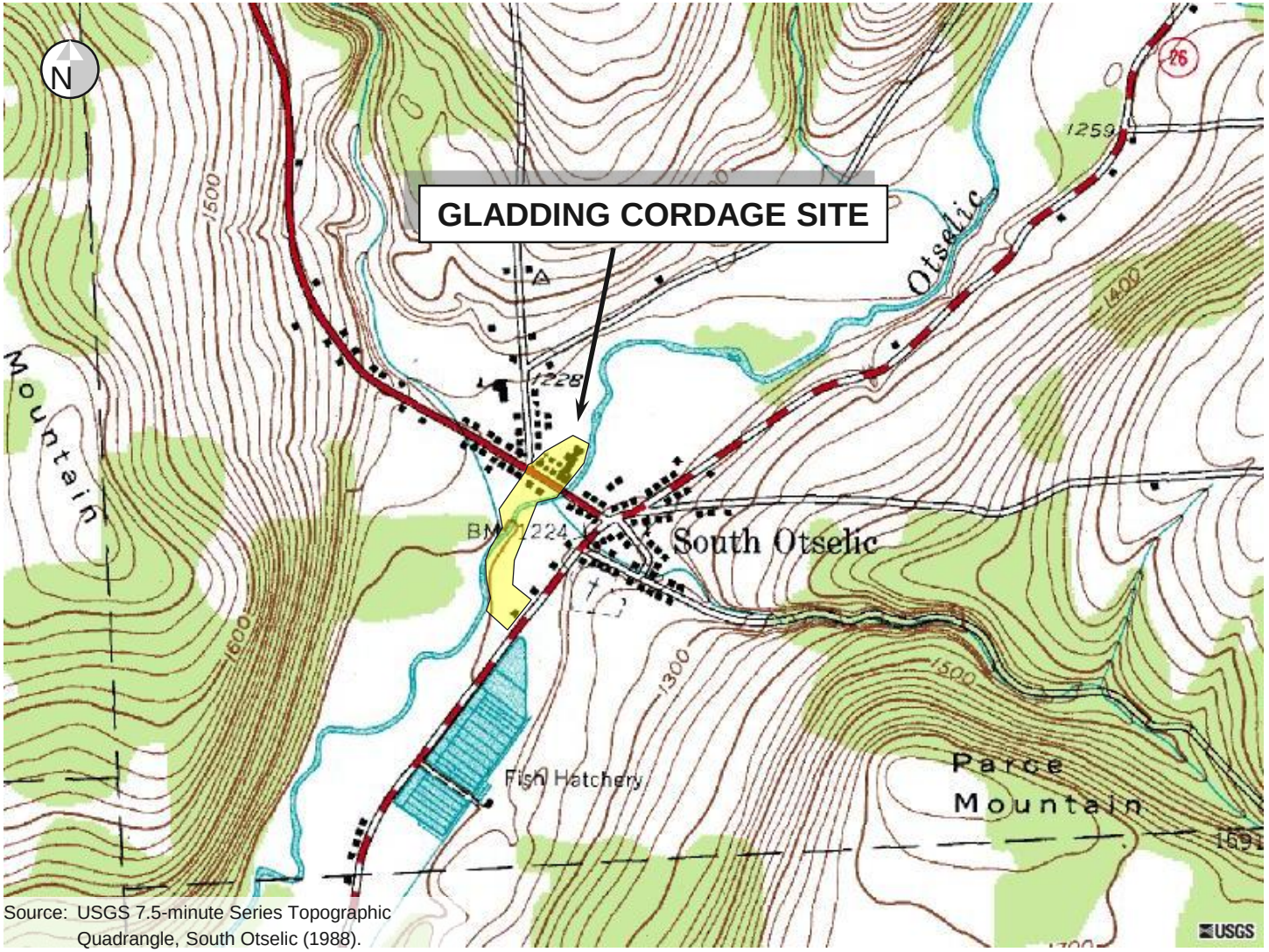
Sample ID Sampling Date	NYSDEC Class GA Standard	EFF(46HZ) 1/12/2021	EFF(46HZ) 2/9/2021	EFF(46HZ) 3/9/2021	EFF(46HZ) 4/15/2021	EFF(46HZ) 5/11/2021	EFF(46HZ) 6/23/2021
Volatile Organic Compounds (µg/L)							
1,1,1-Trichloroethane	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	5.0*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	3.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	3.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	3.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	7.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethyl Benzene	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m/p-Xylenes	5.0	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	2.0 U
Methyl tert-butyl Ether	10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene Chloride	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
o-Xylene	5.0*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Chloride	2.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total VOCs		ND	ND	ND	ND	ND	ND

Definitions:
* - NYSDEC Principal Organic Contaminant Standard of 5 µg/L applies to this compound.
µg/L - microgram per liter
J - Compound was detected below the reporting limit or concentration is estimated for TICS.
NA - Not analyzed
ND - Non-detect
NYSDEC - New York State Department of Environmental Conservation
U - The compound was not detected at the indicated concentration.
B - Compound was found in the blank and sample
Notes:
1. Concentrations detected above the NYSDEC Class GA Standard are highlighted in yellow.

FIGURES

Figure 2-1
Site Location

Gladding Cordage Site
South Otselic, New York
NYSDEC Site 7-09-009

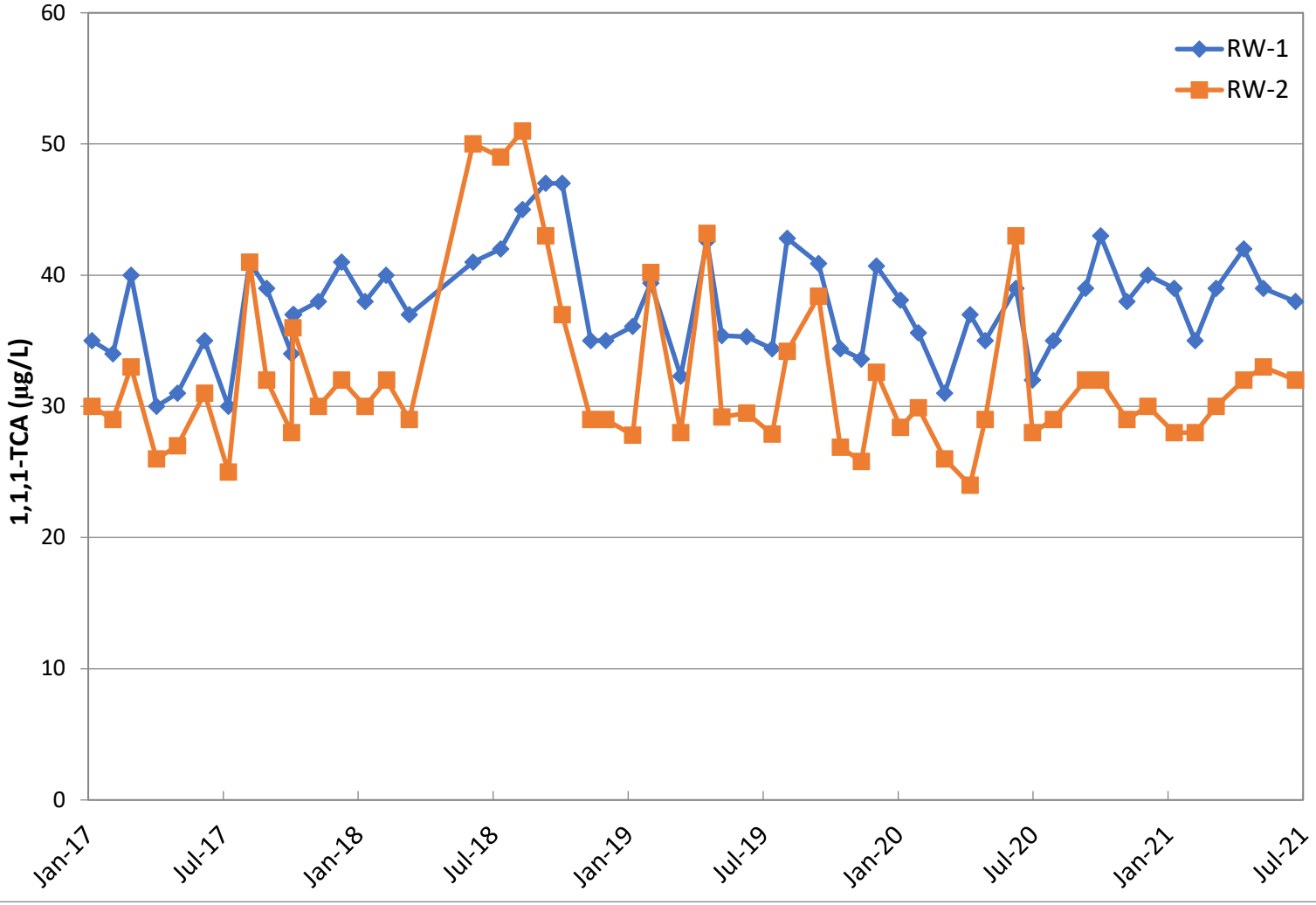


Source: USGS 7.5-minute Series Topographic Quadrangle, South Otselic (1988).

0 2,000 ft

G:\PROJECT\00266406.0000\Reports\Figure 2-1.pptx

Figure 3-1
Treatment System Influent Sample Concentrations (1,1,1-TCA)
Gladding Cordage Site
NYSDEC Site Number 7-09-009



APPENDIX A

O&M Checklists

Gladding Cordage
South Otselic, New York
NYSDEC Site #709009

Date 4/15/21
Inspector Jason Gutkowski
Time 1100

Treatment System Operation		Alarms	
System On (Y/N)	yes	A/C Fail (Y/N)	NO
RW-1 On (Y/N)	yes	RW-1 (Y/N)	NO
RW-2 On (Y/N)	yes	RW-2 (Y/N)	NO
Blower On (Y/N)	(N) ~~yes~~ NO	Blower Pressure (Y/N)	NO
Sump Pump On (Y/N)	NO	Sump Level (Y/N)	NO

Recovery Wells	RW-1	RW-2
Flow Rate (GPM	15.3	21.7
Total Flow (Gallons)	See Email	See Email
Water Level (Feet Above Probe)	27.59 System off / 25.56 on	54.75 on / 56.65 System off
Probe Depth (Feet BTOC)	—	—

Air Stripper			
Blower VFD Setting (Hertz)	46	Intake/Exhaust Piping OK? (Y/N)	yes
System Pressure (inches water)	10.4	Water Leaks (Y/N)	NO
Influent/Effluent Piping OK? (Y/N)	yes	Water Temperature (°F)	50

Heat Exchanger			
Heat (On/Off)	yes (Low)	Building Temperature (°F)	59.0
Heat Exchanger Flow (GPM)	0	Heat Exchanger Pressure (PSI)	2.1

General Building/Site			
Building Condition OK? (Y/N)	yes	Circuit Breakers Checked (Y/N)	yes
Grass Mowed (Y/N)	NO (Not Needed)	Outfall Condition OK? (Y/N)	yes
Monitoring Wells OK? (Y/N)	yes	Samples Collected (Y/N)	yes

Notes:

Sampled: RW-1 - 1312
~~RW-1 MS~~ -
~~RW-1 MSD~~ -
TCL VOCs 1310
RW-2 -
EFF 46 HZ - 1308

Site walk and well inspection:
System inspection:

Gladding Cordage
South Otselic, New York
NYSDEC Site #709009

Date: 5/11/21
Inspector: Jason Gutkowski
Time: 1530

Treatment System Operation		Alarms	
System On (Y/N)	yes	A/C Fail (Y/N)	NO
RW-1 On (Y/N)	yes	RW-1 (Y/N)	NO
RW-2 On (Y/N)	yes	RW-2 (Y/N)	NO
Blower On (Y/N)	yes	Blower Pressure (Y/N)	NO
Sump Pump On (Y/N)	NO	Sump Level (Y/N)	NO

Recovery Wells	RW-1	RW-2
Flow Rate (GPM	15.2	21.5
Total Flow (Gallons)	See Email	See Email
Water Level (Feet Above Probe)	3.70	55.79
Probe Depth (Feet BTOC)	—	—

Air Stripper			
Blower VFD Setting (Hertz)	46.0	Intake/Exhaust Piping OK? (Y/N)	Y
System Pressure (inches water)	10.0	Water Leaks (Y/N)	N
Influent/Effluent Piping OK? (Y/N)	Y	Water Temperature (°F)	50

Heat Exchanger			
Heat (On/Off)	Y Low	Building Temperature (°F)	66.4
Heat Exchanger Flow (GPM)	0	Heat Exchanger Pressure (PSI)	1.4

General Building/Site			
Building Condition OK? (Y/N)	yes	Circuit Breakers Checked (Y/N)	yes
Grass Mowed (Y/N)	yes	Outfall Condition OK? (Y/N)	yes
Monitoring Wells OK? (Y/N)	NO	Samples Collected (Y/N)	yes

Notes:

Sampled: RW-1 - 1525
~~RW-1-MS~~ -
~~RW-1-MSD~~ -
TCL, VOC's
RW-2 - 1520
EFF 46 HZ - 1515

Site walk and well inspection:

System inspection:

Gladding Cordage
South Otselic, New York
NYSDEC Site #709009

Date: 5/25/21
Inspector: Jason Gutkowski
Time: 1055

Treatment System Operation		Alarms	
System On (Y/N)	Y	A/C Fail (Y/N)	N
RW-1 On (Y/N)	Y	RW-1 (Y/N)	N
RW-2 On (Y/N)	X	RW-2 (Y/N)	N
Blower On (Y/N)	X	Blower Pressure (Y/N)	N
Sump Pump On (Y/N)	N	Sump Level (Y/N)	N

Recovery Wells	RW-1	RW-2
Flow Rate (GPM	14.8	20.5
Total Flow (Gallons)	2,379,464	3087886
Water Level (Feet Above Probe)	23.66	54.69
Probe Depth (Feet BTOC)	—	—

Air Stripper			
Blower VFD Setting (Hertz)	46.0	Intake/Exhaust Piping OK? (Y/N)	Y
System Pressure (inches water)	9.0	Water Leaks (Y/N)	N
Influent/Effluent Piping OK? (Y/N)	Y	Water Temperature (°F)	50°F

Heat Exchanger			
Heat (On/Off)	Off	Building Temperature (°F)	69.1
Heat Exchanger Flow (GPM)	0	Heat Exchanger Pressure (PSI)	2.2

General Building/Site			
Building Condition OK? (Y/N)	Y	Circuit Breakers Checked (Y/N)	Y
Grass Mowed (Y/N)	Y, Around Building	Outfall Condition OK? (Y/N)	Y Trimmed
Monitoring Wells OK? (Y/N)	Y	Samples Collected (Y/N)	N

Notes:

Sampled: RW-1 -
RW-1-MS -
RW-1-MSD -
RW-2 -
EFF 46 HZ -

Site walk and well inspection:
System inspection:

Gladding Cordage		Date	6/23/21
South Otselic, New York		Inspector	Jason Gutkowski
NYSDEC Site #709009		Time	1410

Treatment System Operation		**Alarms**	
System On (Y/N)	yes	A/C Fail (Y/N)	NO
RW-1 On (Y/N)	yes	RW-1 (Y/N)	NO
RW-2 On (Y/N)	yes	RW-2 (Y/N)	NO
Blower On (Y/N)	yes	Blower Pressure (Y/N)	NO
Sump Pump On (Y/N)	NO	Sump Level (Y/N)	NO

Recovery Wells	RW-1	RW-2
Flow Rate (GPM	15.1 ~~23.55~~ (24)	20.6 ~~54.41~~
Total Flow (Gallons)	See Email	See Email
Water Level (Feet Above Probe)	23.55	54.41
Probe Depth (Feet BTOC)	—	—

Air Stripper			
Blower VFD Setting (Hertz)	46.0	Intake/Exhaust Piping OK? (Y/N)	yes
System Pressure (inches water)	9.5	Water Leaks (Y/N)	NO
Influent/Effluent Piping OK? (Y/N)	yes	Water Temperature (°F)	53

Heat Exchanger			
Heat (On/Off)	y Low	Building Temperature (°F)	66.8
Heat Exchanger Flow (GPM)	0	Heat Exchanger Pressure (PSI)	2.3

General Building/Site			
Building Condition OK? (Y/N)	yes	Circuit Breakers Checked (Y/N)	yes
Grass Mowed (Y/N)	yes	Outfall Condition OK? (Y/N)	Yes
Monitoring Wells OK? (Y/N)	yes	Samples Collected (Y/N)	Yes

Notes:

Sampled: RW-1 - 1355

~~RW-1-MS~~ -

~~RW-1-MSD~~ -

RW-2 - 1350

EFF 46 HZ - 1345

Site walk and well inspection:

System inspection:

APPENDIX B

NYSDEC Daily Inspection Reports

DAILY INSPECTION REPORT

Report No. 4 **Gladding Cordage - NYSDEC Site No. 709009** Date: 4/6/2021

NYSDEC
Division of Environmental Remediation

NYSDEC Contract No. D009804-11

Superintendent:

NYSDEC PM: Payson Long

Consultant PM: Andy Vitolins, P.G.

Consultant Site Inspectors: Daniel Zuck

Site Location: South Otselic, New York

Weather Conditions

General Description	Sunny	AM	Sunny	PM
Temperature	58°F	AM	59°F	PM
Wind	14 MPH N	AM	10 MPH NW	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No	NA

Health & Safety Comments

Completed Health and Safety audit of Treatment System building.

Summary of Work Performed	Arrived at site:	1440	Departed Site:	1500

Completed site walkthrough, inspection of equipment, and review of site documentation.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA
Were there any vehicles which were not tarped?	* Yes	No	NA
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA

Personnel and Equipment

Individual	Company	Trade	Total Hours
Daniel Zuck	Arcadis	Geologist	0.3

Equipment Description	Contractor/Vendor	Quantity	Used

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No

Site Representatives

Name	Representing

Project Schedule Comments

None at this time.

Issues Pending

None at this time.

Interaction with Public, Property Owners, Media, etc.

None at this time.

Include (insert) figures with markups showing location of work and job progress

Yellow outlined area indicates the location of work performed on April 6, 2021.

Site Photographs (Descriptions Below)	
	
Interior view of Treatment System building.	View of Exit Sign located above entry door.
	
Fire Extinguisher with inspection record.	Ground-fault circuit interrupter (GFCI) outlet.
Comments	
None at this time.	
Site Inspector(s): Daniel Zuck	**Date:** 4/6/2021

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☒
Comments: Employees have sanitizing wipes/spray available with field gear.		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this location had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this locaton have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☐	No ☒
If Yes to <u>any</u> of 1-4 above: • If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. • If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☐
Comments: None at this time.		

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☒	N/A☐
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☐
Comments: None at this time.			

DAILY INSPECTION REPORT

Report No. 5 **Gladding Cordage - NYSDEC Site No. 709009** Date: 4/15/2021

NYSDEC
Division of Environmental Remediation

NYSDEC Contract No. D009804-11

Superintendent:

NYSDEC PM: Payson Long

Consultant PM: Andy Vitolins, P.G.

Consultant Site Inspectors: J.Wyckoff / J.Gutkowski

Site Location: South Otselic, New York

Weather Conditions

General Description	Cloudy	AM	Cloudy – light drizzle	PM
Temperature	45	AM	45	PM
Wind	calm	AM	calm	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No	NA

Health & Safety Comments

Replaced eyewash solution and installed maintenance checklist. Solution needs to be replaced every 90 days.

Summary of Work Performed	Arrived at site:	0800	Departed Site:	1545

Routine O&M – Perform routine system inspection and monthly system influent/effluent sampling.
Housekeeping – Sweep floors, organize tools and equipment. Move tools/supplies from flammable storage cabinet to new tool storage cabinet.
Controls – Air stripper blower off on arrival. Worked on communications issues with PLC and wireless network. Moved antenna locations in attempt to gain stronger signal. Worked with EOS and project engineer via conference call to confirm system programming and logic. Tested interlocks for air stripper blower.
Eyewash Station – Flushed out eyewash station with potable water and mix new batch of eyewash solution. Added inspection tag to track operation and changeouts.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA
Were there any vehicles which were not tarped?	* Yes	No	NA
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA

Personnel and Equipment

Individual	Company	Trade	Total Hours
Jeremy Wyckoff	Arcadis	Geologist	7.5
Jason Gutkowski	Arcadis	Field Tech	7.75

Equipment Description	Contractor/Vendor	Quantity	Used

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No
		Yes	No

Site Representatives

Name	Representing

Project Schedule Comments

None at this time.

Issues Pending

None at this time.

Interaction with Public, Property Owners, Media, etc.

None at this time.

Include (insert) figures with markups showing location of work and job progress

Yellow outlined area indicates the location of work performed on April 15, 2021.

Site Photographs (Descriptions Below)

Flammable liquid storage cabinet following cleanout.

New tool storage cabinet.

Eyewash station with inspection record.

Control panel showing extraction well and air-stripper blower status upon arrival.

Comments

None at this time.

Site Inspector(s): Jeremy Wyckoff **Date: 4/15/2021**

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☒
Comments: Employees have sanitizing wipes/spray available with field gear.		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this location had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☐	No ☒
If Yes to <u>any</u> of 1-4 above: • If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. • If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☐
Comments: None at this time.		

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☒	N/A☐
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☐
Comments: None at this time.			

DAILY INSPECTION REPORT

Report No. 6 **Gladding Cordage - NYSDEC Site No. 709009** Date: 5/11/2021

NYSDEC
Division of Environmental Remediation

NYSDEC Contract No. D009804-11

Superintendent:

NYSDEC PM: Payson Long

Consultant PM: Andy Vitolins, P.G.

Consultant Site Inspectors: Jason Gutkowski

Site Location: South Otselic, New York

Weather Conditions

General Description	Cloudy	AM	Cloudy	PM
Temperature	55°F	AM	56°F	PM
Wind	22 MPH WNW	AM	18 MPH WNW	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No	NA

Health & Safety Comments

Used hearing and eye protection, and wore a high-vis vest while performing routine operation and maintenance (O&M).

Summary of Work Performed	Arrived at site:	1330	Departed Site:	1600

Routine O&M – Perform routine system inspection and monthly system influent/effluent sampling.
Housekeeping – Swept floors, organized tools and equipment.
Controls – Air stripper blower off on arrival and recovery well pumps in alarm. Reset alarms, started system, then completed monthly sampling after half hour.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA
Were there any vehicles which were not tarped?	* Yes	No	NA
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA

Personnel and Equipment

Individual	Company	Trade	Total Hours
Jason Gutkowski	Arcadis	Field Tech	2.5

Equipment Description	Contractor/Vendor	Quantity	Used

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	**No**
		Yes	**No**

Site Representatives	
Name	**Representing**

Project Schedule Comments

None at this time.

Issues Pending

None at this time.

Interaction with Public, Property Owners, Media, etc.

None at this time.

Include (insert) figures with markups showing location of work and job progress

Yellow outlined area indicates the location of work performed on May 11, 2021.

Site Photographs (Descriptions Below)	
	
View of Treatment System building side.	View of Treatment System building side.

Comments	
None at this time.	
Site Inspector(s): Jason Gutkowski	**Date: 5/11/2021**

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☒
Comments: Employees have sanitizing wipes/spray available with field gear.		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this location had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☐	No ☒
If Yes to <u>any</u> of 1-4 above: • If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. • If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☐
<u>Comments:</u> None at this time.		

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☒	N/A☐
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☐
<u>Comments:</u> None at this time.			

DAILY INSPECTION REPORT

Report No. 7 **Gladding Cordage - NYSDEC Site No. 709009** Date: 5/25/2021

NYSDEC
Division of Environmental Remediation

NYSDEC Contract No. D009804-11

Superintendent:

NYSDEC PM: Payson Long

Consultant PM: Andy Vitolins, P.G.

Consultant Site Inspectors: Jason Gutkowski/Jeremy Wyckoff

Site Location: South Otselic, New York

Weather Conditions

General Description	Partly Cloudy	AM	Cloudy	PM
Temperature	50°F	AM	61°F	PM
Wind	S 8 MPH	AM	WSW 10 MPH	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No	NA

Health & Safety Comments

Used hearing and eye protection while trimming grass.

Summary of Work Performed	Arrived at site:	0800	Departed Site:	1130

Routine O&M – Perform routine system inspection; adjust cell signal booster antenna, troubleshoot and replace RW-1 pressure transducer.
Housekeeping – Trimmed grass.
Controls – Air stripper blower off on arrival due to power loss. RW-1 in alarm on restart. Found RW-1 pressure transducer defective. Replaced transducer with unit from spare parts inventory. Reset alarms, started system, and confirmed communications with PLC. Now able to send status emails and access system remotely.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA
Were there any vehicles which were not tarped?	* Yes	No	NA
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA

Personnel and Equipment

Individual	Company	Trade	Total Hours
Jason Gutkowski	Arcadis	Field Tech	3.5 on-site
Jeremy Wyckoff	Arcadis	Field Tech	3.5 on-site

Equipment Description	Contractor/Vendor	Quantity	Used

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	No
		Yes	No

Site Representatives	
Name	**Representing**

Project Schedule Comments
None at this time.
Issues Pending
None at this time.
Interaction with Public, Property Owners, Media, etc.
None at this time.

Include (insert) figures with markups showing location of work and job progress

Yellow outlined area indicates the location of work performed on May 25, 2021.

Trimming grass.

Old (left) and replacement RW-1 pressure transducer.

Cell signal booster antenna aligned to 214 degrees.

Discharge from treatment plant.

Comments

None at this time.

Site Inspector(s): Jason Gutkowski / Jeremy Wyckoff

Date: 5/25/2021

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☒
Comments: Employees have sanitizing wipes/spray available with field gear.		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this location had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☐	No ☒
If Yes to <u>any</u> of 1-4 above: • If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. • If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☐
Comments: None at this time.		

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☒	N/A☐
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☐
Comments: None at this time.			

DAILY INSPECTION REPORT

Report No. 8 **Gladding Cordage - NYSDEC Site No. 709009** Date: 6/23/2021

NYSDEC
Division of Environmental Remediation

NYSDEC Contract No. D009804-11

Superintendent:

NYSDEC PM: Payson Long

Consultant PM: Andy Vitolins, P.G.

Consultant Site Inspectors: Jason Gutkowski

Site Location: South Otselic, New York

Weather Conditions

General Description	Partly Cloudy	AM	Sunny	PM
Temperature	62°F	AM	70°F	PM
Wind	NNW 10 MPH	AM	N 5 MPH	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA
Were there any nuisance issues reported/observed on this date?	*Yes	No	NA

Health & Safety Comments

Hearing, Eye & Face Shield Protection with use of String Trimmer.

Summary of Work Performed	Arrived at site:	1230	Departed Site:	1530

Routine O&M – Performed routine system inspection and monthly system influent/effluent sampling.
Housekeeping – Swept floors and trimmed grass.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA
Were there any vehicles which were not tarped?	* Yes	No	NA
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA

Personnel and Equipment

Individual	Company	Trade	Total Hours
Jason Gutkowski	Arcadis	Field Tech	3.0

Equipment Description	Contractor/Vendor	Quantity	Used

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
		Yes	No
		Yes	No
		Yes	No

Site Representatives	
Name	**Representing**

Project Schedule Comments
None at this time.
Issues Pending
None at this time.
Interaction with Public, Property Owners, Media, etc.
None at this time.

Include (insert) figures with markups showing location of work and job progress

Yellow outlined area indicates the location of work performed on June 23, 2021.

Site Photographs (Descriptions Below)	
	
Exterior view of treatment building.	Exterior view of treatment building.

Comments
None at this time.

Site Inspector(s): Jason Gutkowski	**Date: 6/23/2021**

DAILY HEALTH CHECKLIST

Is social distancing being practiced?	Yes ☒	No ☐
Is the tail gate safety meeting held outdoors?	Yes ☒	No ☐
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☒	No ☐
Were personal protective gloves, masks, and eye protection being used?	Yes ☒	No ☐
Are sanitizing wipes, wash stations or spray available?	Yes ☒	No ☐
Have any workers/visitors been excluded based on close contact with individuals diagnosed with COVID-19, have recently traveled to restricted areas or countries, or are symptomatic (fever, chills, cough/shortness of breath)?	Yes ☐	No ☒
Comments: Employees have sanitizing wipes/spray available with field gear.		

REMEDIAL ACTIVITIES AT PROPERTIES

1. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
2. Is anyone at this location isolated or quarantined for COVID-19?	Yes ☐	No ☒
3. Has anyone at this location had contact with anyone known to have COVID-19 in the past 14 days?	Yes ☐	No ☒
4. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
5. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☐	No ☒
If Yes to <u>any</u> of 1-4 above: • If it is <u>not</u> critical that service/entry be carried out immediately and can be postponed until the risk of COVID-19 is lower, or can be accomplished remotely/without entry, postpone or conduct service without entry. • If it <u>is</u> critical that service/entry be carried out immediately, advise occupants that as a precaution and for our own protection, project personnel will be donning appropriate PPE* (including respiratory protection) - and do so prior to entry.	Yes ☐	No ☐
<u>Comments:</u> None at this time.		

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☐	No ☒	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☒	N/A☐
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☒	N/A☐
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☐
<u>Comments:</u> None at this time.			

APPENDIX C

Analytical Reports

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 480-183456-1
Client Project/Site: Gladding Corporation #709009

For:
New York State D.E.C.
625 Broadway
4th Floor
Albany, New York 12233

Attn: Mr. Payson Long

Judy Stone

Authorized for release by:
4/28/2021 4:36:34 PM

Judy Stone, Senior Project Manager
(484)685-0868
Judy.Stone@Eurofinset.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.

Judy Stone
Senior Project Manager
4/28/2021 4:36:34 PM

Table of Contents

Definitions/Glossary

Client: New York State D.E.C.
Job ID: 480-183456-1
Project/Site: Gladding Corporation #709009

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.

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: New York State D.E.C.
Project/Site: Gladding Corporation #709009

Job ID: 480-183456-1

Job ID: 480-183456-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-183456-1

Comments
No additional comments.

Receipt
The samples were received on 4/17/2021 8:00 AM. 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 4.4° C.

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

Detection Summary

Client: New York State D.E.C.
Job ID: 480-183456-1
Project/Site: Gladding Corporation #709009

Client Sample ID: EFF 46HZ — Lab Sample ID: 480-183456-1

No Detections.

Client Sample ID: RW-2 — Lab Sample ID: 480-183456-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	32		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	0.68	J	1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	0.91	J	1.0	0.29	ug/L	1		8260C	Total/NA

Client Sample ID: RW-1 — Lab Sample ID: 480-183456-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	42		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	1.6		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	1.1		1.0	0.29	ug/L	1		8260C	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-183456-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.0	J	10	3.0	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: New York State D.E.C.
Job ID: 480-183456-1
Project/Site: Gladding Corporation #709009

Client Sample ID: EFF 46HZ
Lab Sample ID: 480-183456-1
Date Collected: 04/15/21 13:08
Matrix: Water
Date Received: 04/17/21 08:00

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			04/19/21 15:20	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/19/21 15:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/19/21 15:20	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/19/21 15:20	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/19/21 15:20	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/19/21 15:20	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/19/21 15:20	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/19/21 15:20	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/19/21 15:20	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/19/21 15:20	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/19/21 15:20	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/19/21 15:20	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/19/21 15:20	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/19/21 15:20	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/19/21 15:20	1
2-Hexanone	ND		5.0	1.2	ug/L			04/19/21 15:20	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/19/21 15:20	1
Acetone	ND		10	3.0	ug/L			04/19/21 15:20	1
Benzene	ND		1.0	0.41	ug/L			04/19/21 15:20	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/19/21 15:20	1
Bromoform	ND		1.0	0.26	ug/L			04/19/21 15:20	1
Bromomethane	ND		1.0	0.69	ug/L			04/19/21 15:20	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/19/21 15:20	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/19/21 15:20	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/19/21 15:20	1
Chloroethane	ND		1.0	0.32	ug/L			04/19/21 15:20	1
Chloroform	ND		1.0	0.34	ug/L			04/19/21 15:20	1
Chloromethane	ND		1.0	0.35	ug/L			04/19/21 15:20	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/19/21 15:20	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/19/21 15:20	1
Cyclohexane	ND		1.0	0.18	ug/L			04/19/21 15:20	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/19/21 15:20	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/19/21 15:20	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/19/21 15:20	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/19/21 15:20	1
Methyl acetate	ND		2.5	1.3	ug/L			04/19/21 15:20	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/19/21 15:20	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/19/21 15:20	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/19/21 15:20	1
Styrene	ND		1.0	0.73	ug/L			04/19/21 15:20	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/19/21 15:20	1
Toluene	ND		1.0	0.51	ug/L			04/19/21 15:20	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/19/21 15:20	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/19/21 15:20	1
Trichloroethene	ND		1.0	0.46	ug/L			04/19/21 15:20	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/19/21 15:20	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/19/21 15:20	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/19/21 15:20	1

Client: New York State D.E.C.
Job ID: 480-183456-1
Project/Site: Gladding Corporation #709009

Client Sample ID: EFF 46HZ
Lab Sample ID: 480-183456-1
Date Collected: 04/15/21 13:08
Matrix: Water
Date Received: 04/17/21 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		77 - 120		04/19/21 15:20	1
4-Bromofluorobenzene (Surr)	99		73 - 120		04/19/21 15:20	1
Dibromofluoromethane (Surr)	108		75 - 123		04/19/21 15:20	1
Toluene-d8 (Surr)	98		80 - 120		04/19/21 15:20	1

Client: New York State D.E.C.
Job ID: 480-183456-1
Project/Site: Gladding Corporation #709009

Client Sample ID: RW-2
Lab Sample ID: 480-183456-2
Date Collected: 04/15/21 13:10
Matrix: Water
Date Received: 04/17/21 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**32**		1.0	0.82	ug/L			04/19/21 15:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/19/21 15:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/19/21 15:44	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/19/21 15:44	1
1,1-Dichloroethane	**0.68**	**J**	1.0	0.38	ug/L			04/19/21 15:44	1
1,1-Dichloroethene	**0.91**	**J**	1.0	0.29	ug/L			04/19/21 15:44	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/19/21 15:44	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/19/21 15:44	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/19/21 15:44	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/19/21 15:44	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/19/21 15:44	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/19/21 15:44	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/19/21 15:44	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/19/21 15:44	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/19/21 15:44	1
2-Hexanone	ND		5.0	1.2	ug/L			04/19/21 15:44	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/19/21 15:44	1
Acetone	ND		10	3.0	ug/L			04/19/21 15:44	1
Benzene	ND		1.0	0.41	ug/L			04/19/21 15:44	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/19/21 15:44	1
Bromoform	ND		1.0	0.26	ug/L			04/19/21 15:44	1
Bromomethane	ND		1.0	0.69	ug/L			04/19/21 15:44	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/19/21 15:44	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/19/21 15:44	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/19/21 15:44	1
Chloroethane	ND		1.0	0.32	ug/L			04/19/21 15:44	1
Chloroform	ND		1.0	0.34	ug/L			04/19/21 15:44	1
Chloromethane	ND		1.0	0.35	ug/L			04/19/21 15:44	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/19/21 15:44	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/19/21 15:44	1
Cyclohexane	ND		1.0	0.18	ug/L			04/19/21 15:44	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/19/21 15:44	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/19/21 15:44	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/19/21 15:44	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/19/21 15:44	1
Methyl acetate	ND		2.5	1.3	ug/L			04/19/21 15:44	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/19/21 15:44	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/19/21 15:44	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/19/21 15:44	1
Styrene	ND		1.0	0.73	ug/L			04/19/21 15:44	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/19/21 15:44	1
Toluene	ND		1.0	0.51	ug/L			04/19/21 15:44	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/19/21 15:44	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/19/21 15:44	1
Trichloroethene	ND		1.0	0.46	ug/L			04/19/21 15:44	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/19/21 15:44	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/19/21 15:44	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/19/21 15:44	1

Client: New York State D.E.C.
Job ID: 480-183456-1
Project/Site: Gladding Corporation #709009

Client Sample ID: RW-2
Lab Sample ID: 480-183456-2
Date Collected: 04/15/21 13:10
Matrix: Water
Date Received: 04/17/21 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		77 - 120		04/19/21 15:44	1
4-Bromofluorobenzene (Surr)	110		73 - 120		04/19/21 15:44	1
Dibromofluoromethane (Surr)	115		75 - 123		04/19/21 15:44	1
Toluene-d8 (Surr)	104		80 - 120		04/19/21 15:44	1

Client: New York State D.E.C.
Job ID: 480-183456-1
Project/Site: Gladding Corporation #709009

Client Sample ID: RW-1
Lab Sample ID: 480-183456-3
Date Collected: 04/15/21 13:12
Matrix: Water
Date Received: 04/17/21 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**42**		1.0	0.82	ug/L			04/19/21 16:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/19/21 16:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/19/21 16:08	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/19/21 16:08	1
1,1-Dichloroethane	**1.6**		1.0	0.38	ug/L			04/19/21 16:08	1
1,1-Dichloroethene	**1.1**		1.0	0.29	ug/L			04/19/21 16:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/19/21 16:08	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/19/21 16:08	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/19/21 16:08	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/19/21 16:08	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/19/21 16:08	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/19/21 16:08	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/19/21 16:08	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/19/21 16:08	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/19/21 16:08	1
2-Hexanone	ND		5.0	1.2	ug/L			04/19/21 16:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/19/21 16:08	1
Acetone	ND		10	3.0	ug/L			04/19/21 16:08	1
Benzene	ND		1.0	0.41	ug/L			04/19/21 16:08	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/19/21 16:08	1
Bromoform	ND		1.0	0.26	ug/L			04/19/21 16:08	1
Bromomethane	ND		1.0	0.69	ug/L			04/19/21 16:08	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/19/21 16:08	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/19/21 16:08	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/19/21 16:08	1
Chloroethane	ND		1.0	0.32	ug/L			04/19/21 16:08	1
Chloroform	ND		1.0	0.34	ug/L			04/19/21 16:08	1
Chloromethane	ND		1.0	0.35	ug/L			04/19/21 16:08	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/19/21 16:08	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/19/21 16:08	1
Cyclohexane	ND		1.0	0.18	ug/L			04/19/21 16:08	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/19/21 16:08	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/19/21 16:08	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/19/21 16:08	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/19/21 16:08	1
Methyl acetate	ND		2.5	1.3	ug/L			04/19/21 16:08	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/19/21 16:08	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/19/21 16:08	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/19/21 16:08	1
Styrene	ND		1.0	0.73	ug/L			04/19/21 16:08	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/19/21 16:08	1
Toluene	ND		1.0	0.51	ug/L			04/19/21 16:08	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/19/21 16:08	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/19/21 16:08	1
Trichloroethene	ND		1.0	0.46	ug/L			04/19/21 16:08	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/19/21 16:08	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/19/21 16:08	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/19/21 16:08	1

Client: New York State D.E.C.
Job ID: 480-183456-1
Project/Site: Gladding Corporation #709009

Client Sample ID: RW-1
Lab Sample ID: 480-183456-3
Date Collected: 04/15/21 13:12
Matrix: Water
Date Received: 04/17/21 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		77 - 120		04/19/21 16:08	1
4-Bromofluorobenzene (Surr)	104		73 - 120		04/19/21 16:08	1
Dibromofluoromethane (Surr)	115		75 - 123		04/19/21 16:08	1
Toluene-d8 (Surr)	102		80 - 120		04/19/21 16:08	1

Client: New York State D.E.C.
Job ID: 480-183456-1
Project/Site: Gladding Corporation #709009

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-183456-4
Date Collected: 04/15/21 00:00
Matrix: Water
Date Received: 04/17/21 08:00

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			04/19/21 16:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/19/21 16:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/19/21 16:31	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/19/21 16:31	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/19/21 16:31	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/19/21 16:31	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/19/21 16:31	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/19/21 16:31	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/19/21 16:31	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/19/21 16:31	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/19/21 16:31	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/19/21 16:31	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/19/21 16:31	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/19/21 16:31	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/19/21 16:31	1
2-Hexanone	ND		5.0	1.2	ug/L			04/19/21 16:31	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/19/21 16:31	1
Acetone	**3.0**	**J**	10	3.0	ug/L			04/19/21 16:31	1
Benzene	ND		1.0	0.41	ug/L			04/19/21 16:31	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/19/21 16:31	1
Bromoform	ND		1.0	0.26	ug/L			04/19/21 16:31	1
Bromomethane	ND		1.0	0.69	ug/L			04/19/21 16:31	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/19/21 16:31	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/19/21 16:31	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/19/21 16:31	1
Chloroethane	ND		1.0	0.32	ug/L			04/19/21 16:31	1
Chloroform	ND		1.0	0.34	ug/L			04/19/21 16:31	1
Chloromethane	ND		1.0	0.35	ug/L			04/19/21 16:31	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/19/21 16:31	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/19/21 16:31	1
Cyclohexane	ND		1.0	0.18	ug/L			04/19/21 16:31	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/19/21 16:31	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/19/21 16:31	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/19/21 16:31	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/19/21 16:31	1
Methyl acetate	ND		2.5	1.3	ug/L			04/19/21 16:31	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/19/21 16:31	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/19/21 16:31	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/19/21 16:31	1
Styrene	ND		1.0	0.73	ug/L			04/19/21 16:31	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/19/21 16:31	1
Toluene	ND		1.0	0.51	ug/L			04/19/21 16:31	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/19/21 16:31	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/19/21 16:31	1
Trichloroethene	ND		1.0	0.46	ug/L			04/19/21 16:31	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/19/21 16:31	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/19/21 16:31	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/19/21 16:31	1

Client: New York State D.E.C.
Job ID: 480-183456-1
Project/Site: Gladding Corporation #709009

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-183456-4
Date Collected: 04/15/21 00:00
Matrix: Water
Date Received: 04/17/21 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		04/19/21 16:31	1
4-Bromofluorobenzene (Surr)	106		73 - 120		04/19/21 16:31	1
Dibromofluoromethane (Surr)	107		75 - 123		04/19/21 16:31	1
Toluene-d8 (Surr)	102		80 - 120		04/19/21 16:31	1

Surrogate Summary

Client: New York State D.E.C.
Project/Site: Gladding Corporation #709009

Job ID: 480-183456-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(75-123)	(80-120)
480-183456-1	EFF 46HZ	105	99	108	98
480-183456-2	RW-2	114	110	115	104
480-183456-3	RW-1	111	104	115	102
480-183456-4	TRIP BLANK	103	106	107	102
LCS 480-576840/4	Lab Control Sample	101	103	109	100
MB 480-576840/6	Method Blank	102	104	109	100

Surrogate Legend

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

Client: New York State D.E.C.
Job ID: 480-183456-1
Project/Site: Gladding Corporation #709009

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

Lab Sample ID: MB 480-576840/6
Matrix: Water
Analysis Batch: 576840

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			04/19/21 12:04	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			04/19/21 12:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			04/19/21 12:04	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			04/19/21 12:04	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			04/19/21 12:04	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			04/19/21 12:04	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			04/19/21 12:04	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			04/19/21 12:04	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			04/19/21 12:04	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			04/19/21 12:04	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			04/19/21 12:04	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			04/19/21 12:04	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			04/19/21 12:04	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			04/19/21 12:04	1
2-Butanone (MEK)	ND		10	1.3	ug/L			04/19/21 12:04	1
2-Hexanone	ND		5.0	1.2	ug/L			04/19/21 12:04	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			04/19/21 12:04	1
Acetone	ND		10	3.0	ug/L			04/19/21 12:04	1
Benzene	ND		1.0	0.41	ug/L			04/19/21 12:04	1
Bromodichloromethane	ND		1.0	0.39	ug/L			04/19/21 12:04	1
Bromoform	ND		1.0	0.26	ug/L			04/19/21 12:04	1
Bromomethane	ND		1.0	0.69	ug/L			04/19/21 12:04	1
Carbon disulfide	ND		1.0	0.19	ug/L			04/19/21 12:04	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			04/19/21 12:04	1
Chlorobenzene	ND		1.0	0.75	ug/L			04/19/21 12:04	1
Chloroethane	ND		1.0	0.32	ug/L			04/19/21 12:04	1
Chloroform	ND		1.0	0.34	ug/L			04/19/21 12:04	1
Chloromethane	ND		1.0	0.35	ug/L			04/19/21 12:04	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			04/19/21 12:04	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			04/19/21 12:04	1
Cyclohexane	ND		1.0	0.18	ug/L			04/19/21 12:04	1
Dibromochloromethane	ND		1.0	0.32	ug/L			04/19/21 12:04	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			04/19/21 12:04	1
Ethylbenzene	ND		1.0	0.74	ug/L			04/19/21 12:04	1
Isopropylbenzene	ND		1.0	0.79	ug/L			04/19/21 12:04	1
Methyl acetate	ND		2.5	1.3	ug/L			04/19/21 12:04	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			04/19/21 12:04	1
Methylcyclohexane	ND		1.0	0.16	ug/L			04/19/21 12:04	1
Methylene Chloride	ND		1.0	0.44	ug/L			04/19/21 12:04	1
Styrene	ND		1.0	0.73	ug/L			04/19/21 12:04	1
Tetrachloroethene	ND		1.0	0.36	ug/L			04/19/21 12:04	1
Toluene	ND		1.0	0.51	ug/L			04/19/21 12:04	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			04/19/21 12:04	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			04/19/21 12:04	1
Trichloroethene	ND		1.0	0.46	ug/L			04/19/21 12:04	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			04/19/21 12:04	1
Vinyl chloride	ND		1.0	0.90	ug/L			04/19/21 12:04	1
Xylenes, Total	ND		2.0	0.66	ug/L			04/19/21 12:04	1

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

Lab Sample ID: MB 480-576840/6
Matrix: Water
Analysis Batch: 576840

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		04/19/21 12:04	1
4-Bromofluorobenzene (Surr)	104		73 - 120		04/19/21 12:04	1
Dibromofluoromethane (Surr)	109		75 - 123		04/19/21 12:04	1
Toluene-d8 (Surr)	100		80 - 120		04/19/21 12:04	1

Lab Sample ID: LCS 480-576840/4
Matrix: Water
Analysis Batch: 576840

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	27.1		ug/L		108	73 - 126
1,1,2,2-Tetrachloroethane	25.0	25.6		ug/L		103	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	28.4		ug/L		113	61 - 148
1,1,2-Trichloroethane	25.0	25.6		ug/L		102	76 - 122
1,1-Dichloroethane	25.0	27.1		ug/L		108	77 - 120
1,1-Dichloroethene	25.0	26.1		ug/L		104	66 - 127
1,2,4-Trichlorobenzene	25.0	24.9		ug/L		100	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	25.4		ug/L		101	56 - 134
1,2-Dibromoethane	25.0	25.7		ug/L		103	77 - 120
1,2-Dichlorobenzene	25.0	25.3		ug/L		101	80 - 124
1,2-Dichloroethane	25.0	25.4		ug/L		101	75 - 120
1,2-Dichloropropane	25.0	26.0		ug/L		104	76 - 120
1,3-Dichlorobenzene	25.0	24.8		ug/L		99	77 - 120
1,4-Dichlorobenzene	25.0	24.2		ug/L		97	80 - 120
2-Butanone (MEK)	125	103		ug/L		82	57 - 140
2-Hexanone	125	121		ug/L		97	65 - 127
4-Methyl-2-pentanone (MIBK)	125	128		ug/L		103	71 - 125
Acetone	125	106		ug/L		85	56 - 142
Benzene	25.0	26.4		ug/L		106	71 - 124
Bromodichloromethane	25.0	27.8		ug/L		111	80 - 122
Bromoform	25.0	29.9		ug/L		119	61 - 132
Bromomethane	25.0	26.9		ug/L		107	55 - 144
Carbon disulfide	25.0	25.9		ug/L		104	59 - 134
Carbon tetrachloride	25.0	29.2		ug/L		117	72 - 134
Chlorobenzene	25.0	26.3		ug/L		105	80 - 120
Chloroethane	25.0	25.2		ug/L		101	69 - 136
Chloroform	25.0	25.8		ug/L		103	73 - 127
Chloromethane	25.0	25.8		ug/L		103	68 - 124
cis-1,2-Dichloroethene	25.0	27.5		ug/L		110	74 - 124
cis-1,3-Dichloropropene	25.0	26.1		ug/L		104	74 - 124
Cyclohexane	25.0	27.4		ug/L		110	59 - 135
Dibromochloromethane	25.0	28.6		ug/L		115	75 - 125
Dichlorodifluoromethane	25.0	26.1		ug/L		104	59 - 135
Ethylbenzene	25.0	25.9		ug/L		104	77 - 123
Isopropylbenzene	25.0	26.3		ug/L		105	77 - 122
Methyl acetate	50.0	41.7		ug/L		83	74 - 133
Methyl tert-butyl ether	25.0	25.5		ug/L		102	77 - 120
Methylcyclohexane	25.0	27.8		ug/L		111	68 - 134

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

Lab Sample ID: LCS 480-576840/4
Matrix: Water
Analysis Batch: 576840

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	25.0	26.2		ug/L		105	75 - 124
Styrene	25.0	25.1		ug/L		100	80 - 120
Tetrachloroethene	25.0	24.5		ug/L		98	74 - 122
Toluene	25.0	25.4		ug/L		102	80 - 122
trans-1,2-Dichloroethene	25.0	25.9		ug/L		103	73 - 127
trans-1,3-Dichloropropene	25.0	24.5		ug/L		98	80 - 120
Trichloroethene	25.0	27.6		ug/L		110	74 - 123
Trichlorofluoromethane	25.0	25.7		ug/L		103	62 - 150
Vinyl chloride	25.0	23.4		ug/L		94	65 - 133
Xylenes, Total	50.0	51.0		ug/L		102	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*
Dibromofluoromethane (Surr)	*109*		*75 - 123*
Toluene-d8 (Surr)	*100*		*80 - 120*

QC Association Summary

Client: New York State D.E.C.
Project/Site: Gladding Corporation #709009

Job ID: 480-183456-1

GC/MS VOA

Analysis Batch: 576840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-183456-1	EFF 46HZ	Total/NA	Water	8260C	
480-183456-2	RW-2	Total/NA	Water	8260C	
480-183456-3	RW-1	Total/NA	Water	8260C	
480-183456-4	TRIP BLANK	Total/NA	Water	8260C	
MB 480-576840/6	Method Blank	Total/NA	Water	8260C	
LCS 480-576840/4	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

Client: New York State D.E.C.
Job ID: 480-183456-1
Project/Site: Gladding Corporation #709009

Client Sample ID: EFF 46HZ
Lab Sample ID: 480-183456-1
Date Collected: 04/15/21 13:08
Matrix: Water
Date Received: 04/17/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	576840	04/19/21 15:20	CDC	TAL BUF

Client Sample ID: RW-2
Lab Sample ID: 480-183456-2
Date Collected: 04/15/21 13:10
Matrix: Water
Date Received: 04/17/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	576840	04/19/21 15:44	CDC	TAL BUF

Client Sample ID: RW-1
Lab Sample ID: 480-183456-3
Date Collected: 04/15/21 13:12
Matrix: Water
Date Received: 04/17/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	576840	04/19/21 16:08	CDC	TAL BUF

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-183456-4
Date Collected: 04/15/21 00:00
Matrix: Water
Date Received: 04/17/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	576840	04/19/21 16:31	CDC	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.
Job ID: 480-183456-1
Project/Site: Gladding Corporation #709009

Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-22

Method Summary

Client: New York State D.E.C.
Job ID: 480-183456-1
Project/Site: Gladding Corporation #709009

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

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.
Job ID: 480-183456-1
Project/Site: Gladding Corporation #709009

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-183456-1	EFF 46HZ	Water	04/15/21 13:08	04/17/21 08:00	
480-183456-2	RW-2	Water	04/15/21 13:10	04/17/21 08:00	
480-183456-3	RW-1	Water	04/15/21 13:12	04/17/21 08:00	
480-183456-4	TRIP BLANK	Water	04/15/21 00:00	04/17/21 08:00	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Record

TAL-4142 (0907)

Client	Arcadis
Address	855 Rt.146 STE210, Clifton Park
City	Clifton Park
State	NY
Zip Code	
Project Name and Location (State)	Gladding, South Otselic
Contract/Purchase Order/Quote No.	30055695.00003
Project Manager	J. Wyckoff
Telephone Number (Area Code)/Fax Number	1 607 206 6262
Site Contact	J. Wyckoff
Lab Contact	Judy Stone
Carrier/Waybill Number	
Date	4/15/21
Lab Number	
Chain of Custody Number	391486
Page	1 of

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed	Soil	Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	TCL VOC	Special Instructions/Conditions of Receipt
Eff 46H2	4/15/21	1308		X						X			X X	Standard Turn
RW-2	4/15/21	1310		X						X			X X	
RW-1	4/15/21	1312		X						X			X X	
Trip Blank	—	—		X						X			X X	

Matrix: Air, Aqueous, Sed, Soil. Containers & Preservatives: Unpres, H2SO4, HNO3, HCl, NaOH, ZnAc/NaOH. Analysis (Attach list if more space is needed): TCL VOC

RE 4-16-21

480-183456 Chain of Custody

Syracuse #225

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		Date	Time
1. Relinquished By: [signature]	4/16/21	1457	1. Received By: R English, Syr	4-16-21	14:57
2. Relinquished By: R English	4-16-21	1900	2. Received By:		
3. Relinquished By:			3. Received By: [signature] TAB	4/17/21	0[illegible]

Comments

4.1 #1

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

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-183456-1

Login Number: 183456

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Stopa, Erik S

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

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ANALYTICAL REPORT

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

Laboratory Job ID: 480-184543-1
Laboratory Sample Delivery Group: South Otselic
Client Project/Site: Gladding Corporation #709009

For:
New York State D.E.C.
625 Broadway
4th Floor
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Attn: Mr. Payson Long

Authorized for release by:
5/24/2021 4:58:18 PM
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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.

Wyatt Watson
Project Management Assistant I
5/24/2021 4:58:18 PM

Table of Contents

Definitions/Glossary

Client: New York State D.E.C.
Project/Site: Gladding Corporation #709009

Job ID: 480-184543-1
SDG: South Otselic

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.

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: 480-184543-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-184543-1

Comments
No additional comments.

Receipt
The samples were received on 5/12/2021 8:00 AM. 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 2.7º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-581081 recovered outside acceptance criteria, low biased, for 1,1,2-Trichloro-1,2,2-trifluoroethane, Cyclohexane and Methylcyclohexane. A reporting limit (RL) standard was analyzed, and the target analytes were detected. Since the associated samples were non-detect for these analytes, the data have been reported. The associated samples are impacted: RW-1 051121 (480-184543-1), RW-2 051121 (480-184543-2), EFF-46 HZ 051121 (480-184543-3) and TRIP BLANK 051121 (480-184543-4).

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: Gladding Corporation #709009

Job ID: 480-184543-1
SDG: South Otselic

Client Sample ID: RW-1 051121 — Lab Sample ID: 480-184543-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	39		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	0.93	J	1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	1.0		1.0	0.29	ug/L	1		8260C	Total/NA

Client Sample ID: RW-2 051121 — Lab Sample ID: 480-184543-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	33		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	0.81	J	1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	1.1		1.0	0.29	ug/L	1		8260C	Total/NA

Client Sample ID: EFF-46 HZ 051121 — Lab Sample ID: 480-184543-3

No Detections.

Client Sample ID: TRIP BLANK 051121 — Lab Sample ID: 480-184543-4

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: RW-1 051121

Date Collected: 05/11/21 15:25
Date Received: 05/12/21 08:00

Lab Sample ID: 480-184543-1

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	**39**		1.0	0.82	ug/L			05/15/21 12:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/15/21 12:13	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/15/21 12:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/15/21 12:13	1
1,1-Dichloroethane	**0.93**	**J**	1.0	0.38	ug/L			05/15/21 12:13	1
1,1-Dichloroethene	**1.0**		1.0	0.29	ug/L			05/15/21 12:13	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/15/21 12:13	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/15/21 12:13	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/15/21 12:13	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/15/21 12:13	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/15/21 12:13	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/15/21 12:13	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/15/21 12:13	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/15/21 12:13	1
2-Hexanone	ND		5.0	1.2	ug/L			05/15/21 12:13	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/15/21 12:13	1
Acetone	ND		10	3.0	ug/L			05/15/21 12:13	1
Benzene	ND		1.0	0.41	ug/L			05/15/21 12:13	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/15/21 12:13	1
Bromoform	ND		1.0	0.26	ug/L			05/15/21 12:13	1
Bromomethane	ND		1.0	0.69	ug/L			05/15/21 12:13	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/15/21 12:13	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/15/21 12:13	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/15/21 12:13	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/15/21 12:13	1
Chloroethane	ND		1.0	0.32	ug/L			05/15/21 12:13	1
Chloroform	ND		1.0	0.34	ug/L			05/15/21 12:13	1
Chloromethane	ND		1.0	0.35	ug/L			05/15/21 12:13	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/15/21 12:13	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/15/21 12:13	1
Cyclohexane	ND		1.0	0.18	ug/L			05/15/21 12:13	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/15/21 12:13	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/15/21 12:13	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/15/21 12:13	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/15/21 12:13	1
Methyl acetate	ND		2.5	1.3	ug/L			05/15/21 12:13	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/15/21 12:13	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/15/21 12:13	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/15/21 12:13	1
Styrene	ND		1.0	0.73	ug/L			05/15/21 12:13	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/15/21 12:13	1
Toluene	ND		1.0	0.51	ug/L			05/15/21 12:13	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/15/21 12:13	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/15/21 12:13	1
Trichloroethene	ND		1.0	0.46	ug/L			05/15/21 12:13	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/15/21 12:13	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/15/21 12:13	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/15/21 12:13	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Gladding Corporation #709009

Job ID: 480-184543-1
SDG: South Otselic

Client Sample ID: RW-1 051121
Date Collected: 05/11/21 15:25
Date Received: 05/12/21 08:00

Lab Sample ID: 480-184543-1
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	87		80 - 120		05/15/21 12:13	1
1,2-Dichloroethane-d4 (Surr)	92		77 - 120		05/15/21 12:13	1
4-Bromofluorobenzene (Surr)	93		73 - 120		05/15/21 12:13	1
Dibromofluoromethane (Surr)	98		75 - 123		05/15/21 12:13	1

Client Sample ID: RW-2 051121

Date Collected: 05/11/21 15:20
Date Received: 05/12/21 08:00

Lab Sample ID: 480-184543-2

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	**33**		1.0	0.82	ug/L			05/15/21 12:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/15/21 12:35	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/15/21 12:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/15/21 12:35	1
1,1-Dichloroethane	**0.81**	**J**	1.0	0.38	ug/L			05/15/21 12:35	1
1,1-Dichloroethene	**1.1**		1.0	0.29	ug/L			05/15/21 12:35	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/15/21 12:35	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/15/21 12:35	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/15/21 12:35	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/15/21 12:35	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/15/21 12:35	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/15/21 12:35	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/15/21 12:35	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/15/21 12:35	1
2-Hexanone	ND		5.0	1.2	ug/L			05/15/21 12:35	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/15/21 12:35	1
Acetone	ND		10	3.0	ug/L			05/15/21 12:35	1
Benzene	ND		1.0	0.41	ug/L			05/15/21 12:35	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/15/21 12:35	1
Bromoform	ND		1.0	0.26	ug/L			05/15/21 12:35	1
Bromomethane	ND		1.0	0.69	ug/L			05/15/21 12:35	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/15/21 12:35	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/15/21 12:35	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/15/21 12:35	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/15/21 12:35	1
Chloroethane	ND		1.0	0.32	ug/L			05/15/21 12:35	1
Chloroform	ND		1.0	0.34	ug/L			05/15/21 12:35	1
Chloromethane	ND		1.0	0.35	ug/L			05/15/21 12:35	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/15/21 12:35	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/15/21 12:35	1
Cyclohexane	ND		1.0	0.18	ug/L			05/15/21 12:35	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/15/21 12:35	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/15/21 12:35	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/15/21 12:35	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/15/21 12:35	1
Methyl acetate	ND		2.5	1.3	ug/L			05/15/21 12:35	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/15/21 12:35	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/15/21 12:35	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/15/21 12:35	1
Styrene	ND		1.0	0.73	ug/L			05/15/21 12:35	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/15/21 12:35	1
Toluene	ND		1.0	0.51	ug/L			05/15/21 12:35	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/15/21 12:35	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/15/21 12:35	1
Trichloroethene	ND		1.0	0.46	ug/L			05/15/21 12:35	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/15/21 12:35	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/15/21 12:35	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/15/21 12:35	1

Client Sample ID: RW-2 051121

Date Collected: 05/11/21 15:20
Date Received: 05/12/21 08:00

Lab Sample ID: 480-184543-2

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	89		80 - 120		05/15/21 12:35	1
1,2-Dichloroethane-d4 (Surr)	89		77 - 120		05/15/21 12:35	1
4-Bromofluorobenzene (Surr)	93		73 - 120		05/15/21 12:35	1
Dibromofluoromethane (Surr)	91		75 - 123		05/15/21 12:35	1

Client Sample ID: EFF-46 HZ 051121

Date Collected: 05/11/21 15:15
Date Received: 05/12/21 08:00

Lab Sample ID: 480-184543-3

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			05/15/21 12:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/15/21 12:58	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/15/21 12:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/15/21 12:58	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/15/21 12:58	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/15/21 12:58	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/15/21 12:58	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/15/21 12:58	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/15/21 12:58	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/15/21 12:58	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/15/21 12:58	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/15/21 12:58	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/15/21 12:58	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/15/21 12:58	1
2-Hexanone	ND		5.0	1.2	ug/L			05/15/21 12:58	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/15/21 12:58	1
Acetone	ND		10	3.0	ug/L			05/15/21 12:58	1
Benzene	ND		1.0	0.41	ug/L			05/15/21 12:58	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/15/21 12:58	1
Bromoform	ND		1.0	0.26	ug/L			05/15/21 12:58	1
Bromomethane	ND		1.0	0.69	ug/L			05/15/21 12:58	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/15/21 12:58	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/15/21 12:58	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/15/21 12:58	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/15/21 12:58	1
Chloroethane	ND		1.0	0.32	ug/L			05/15/21 12:58	1
Chloroform	ND		1.0	0.34	ug/L			05/15/21 12:58	1
Chloromethane	ND		1.0	0.35	ug/L			05/15/21 12:58	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/15/21 12:58	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/15/21 12:58	1
Cyclohexane	ND		1.0	0.18	ug/L			05/15/21 12:58	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/15/21 12:58	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/15/21 12:58	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/15/21 12:58	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/15/21 12:58	1
Methyl acetate	ND		2.5	1.3	ug/L			05/15/21 12:58	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/15/21 12:58	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/15/21 12:58	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/15/21 12:58	1
Styrene	ND		1.0	0.73	ug/L			05/15/21 12:58	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/15/21 12:58	1
Toluene	ND		1.0	0.51	ug/L			05/15/21 12:58	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/15/21 12:58	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/15/21 12:58	1
Trichloroethene	ND		1.0	0.46	ug/L			05/15/21 12:58	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/15/21 12:58	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/15/21 12:58	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/15/21 12:58	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Gladding Corporation #709009

Job ID: 480-184543-1
SDG: South Otselic

Client Sample ID: EFF-46 HZ 051121

Date Collected: 05/11/21 15:15
Date Received: 05/12/21 08:00

Lab Sample ID: 480-184543-3

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	84		80 - 120		05/15/21 12:58	1
1,2-Dichloroethane-d4 (Surr)	84		77 - 120		05/15/21 12:58	1
4-Bromofluorobenzene (Surr)	88		73 - 120		05/15/21 12:58	1
Dibromofluoromethane (Surr)	86		75 - 123		05/15/21 12:58	1

Client: New York State D.E.C.
Project/Site: Gladding Corporation #709009

Job ID: 480-184543-1
SDG: South Otselic

Client Sample ID: TRIP BLANK 051121

Date Collected: 05/11/21 00:00
Date Received: 05/12/21 08:00

Lab Sample ID: 480-184543-4

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	ND		1.0	0.82	ug/L			05/15/21 13:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/15/21 13:21	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/15/21 13:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/15/21 13:21	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/15/21 13:21	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/15/21 13:21	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/15/21 13:21	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/15/21 13:21	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/15/21 13:21	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/15/21 13:21	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/15/21 13:21	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/15/21 13:21	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/15/21 13:21	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/15/21 13:21	1
2-Hexanone	ND		5.0	1.2	ug/L			05/15/21 13:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/15/21 13:21	1
Acetone	ND		10	3.0	ug/L			05/15/21 13:21	1
Benzene	ND		1.0	0.41	ug/L			05/15/21 13:21	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/15/21 13:21	1
Bromoform	ND		1.0	0.26	ug/L			05/15/21 13:21	1
Bromomethane	ND		1.0	0.69	ug/L			05/15/21 13:21	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/15/21 13:21	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/15/21 13:21	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/15/21 13:21	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/15/21 13:21	1
Chloroethane	ND		1.0	0.32	ug/L			05/15/21 13:21	1
Chloroform	ND		1.0	0.34	ug/L			05/15/21 13:21	1
Chloromethane	ND		1.0	0.35	ug/L			05/15/21 13:21	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/15/21 13:21	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/15/21 13:21	1
Cyclohexane	ND		1.0	0.18	ug/L			05/15/21 13:21	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/15/21 13:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/15/21 13:21	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/15/21 13:21	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/15/21 13:21	1
Methyl acetate	ND		2.5	1.3	ug/L			05/15/21 13:21	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/15/21 13:21	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/15/21 13:21	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/15/21 13:21	1
Styrene	ND		1.0	0.73	ug/L			05/15/21 13:21	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/15/21 13:21	1
Toluene	ND		1.0	0.51	ug/L			05/15/21 13:21	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/15/21 13:21	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/15/21 13:21	1
Trichloroethene	ND		1.0	0.46	ug/L			05/15/21 13:21	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/15/21 13:21	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/15/21 13:21	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/15/21 13:21	1

Client: New York State D.E.C.
Project/Site: Gladding Corporation #709009

Job ID: 480-184543-1
SDG: South Otselic

Client Sample ID: TRIP BLANK 051121
Date Collected: 05/11/21 00:00
Date Received: 05/12/21 08:00

Lab Sample ID: 480-184543-4
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	86		80 - 120		05/15/21 13:21	1
1,2-Dichloroethane-d4 (Surr)	93		77 - 120		05/15/21 13:21	1
4-Bromofluorobenzene (Surr)	90		73 - 120		05/15/21 13:21	1
Dibromofluoromethane (Surr)	95		75 - 123		05/15/21 13:21	1

Surrogate Summary

Client: New York State D.E.C.
Project/Site: Gladding Corporation #709009

Job ID: 480-184543-1
SDG: South Otselic

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)
480-184543-1	RW-1 051121	87	92	93	98
480-184543-2	RW-2 051121	89	89	93	91
480-184543-3	EFF-46 HZ 051121	84	84	88	86
480-184543-4	TRIP BLANK 051121	86	93	90	95
LCS 480-581081/5	Lab Control Sample	90	86	95	91
MB 480-581081/7	Method Blank	92	91	101	96

Surrogate Legend

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

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

Lab Sample ID: MB 480-581081/7
Matrix: Water
Analysis Batch: 581081

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			05/15/21 11:19	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/15/21 11:19	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/15/21 11:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/15/21 11:19	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/15/21 11:19	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/15/21 11:19	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/15/21 11:19	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/15/21 11:19	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/15/21 11:19	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/15/21 11:19	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/15/21 11:19	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/15/21 11:19	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/15/21 11:19	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/15/21 11:19	1
2-Hexanone	ND		5.0	1.2	ug/L			05/15/21 11:19	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/15/21 11:19	1
Acetone	ND		10	3.0	ug/L			05/15/21 11:19	1
Benzene	ND		1.0	0.41	ug/L			05/15/21 11:19	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/15/21 11:19	1
Bromoform	ND		1.0	0.26	ug/L			05/15/21 11:19	1
Bromomethane	ND		1.0	0.69	ug/L			05/15/21 11:19	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/15/21 11:19	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/15/21 11:19	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/15/21 11:19	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/15/21 11:19	1
Chloroethane	ND		1.0	0.32	ug/L			05/15/21 11:19	1
Chloroform	ND		1.0	0.34	ug/L			05/15/21 11:19	1
Chloromethane	ND		1.0	0.35	ug/L			05/15/21 11:19	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/15/21 11:19	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/15/21 11:19	1
Cyclohexane	ND		1.0	0.18	ug/L			05/15/21 11:19	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/15/21 11:19	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/15/21 11:19	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/15/21 11:19	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/15/21 11:19	1
Methyl acetate	ND		2.5	1.3	ug/L			05/15/21 11:19	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/15/21 11:19	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/15/21 11:19	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/15/21 11:19	1
Styrene	ND		1.0	0.73	ug/L			05/15/21 11:19	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/15/21 11:19	1
Toluene	ND		1.0	0.51	ug/L			05/15/21 11:19	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/15/21 11:19	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/15/21 11:19	1
Trichloroethene	ND		1.0	0.46	ug/L			05/15/21 11:19	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/15/21 11:19	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/15/21 11:19	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/15/21 11:19	1

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

Lab Sample ID: MB 480-581081/7
Matrix: Water
Analysis Batch: 581081

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*92*		*80 - 120*		*05/15/21 11:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*77 - 120*		*05/15/21 11:19*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*05/15/21 11:19*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*05/15/21 11:19*	*1*

Lab Sample ID: LCS 480-581081/5
Matrix: Water
Analysis Batch: 581081

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	24.0		ug/L		96	73 - 126
1,1,2,2-Tetrachloroethane	25.0	28.4		ug/L		114	76 - 120
1,1,2-Trichloroethane	25.0	26.8		ug/L		107	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	18.6		ug/L		75	61 - 148
1,1-Dichloroethane	25.0	24.0		ug/L		96	77 - 120
1,1-Dichloroethene	25.0	20.5		ug/L		82	66 - 127
1,2,4-Trichlorobenzene	25.0	24.9		ug/L		100	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	26.5		ug/L		106	56 - 134
1,2-Dichlorobenzene	25.0	24.9		ug/L		100	80 - 124
1,2-Dichloroethane	25.0	24.2		ug/L		97	75 - 120
1,2-Dichloropropane	25.0	24.9		ug/L		100	76 - 120
1,3-Dichlorobenzene	25.0	25.2		ug/L		101	77 - 120
1,4-Dichlorobenzene	25.0	25.2		ug/L		101	80 - 120
2-Butanone (MEK)	125	143		ug/L		115	57 - 140
2-Hexanone	125	152		ug/L		122	65 - 127
4-Methyl-2-pentanone (MIBK)	125	136		ug/L		109	71 - 125
Acetone	125	158		ug/L		126	56 - 142
Benzene	25.0	23.6		ug/L		95	71 - 124
Bromodichloromethane	25.0	26.2		ug/L		105	80 - 122
Bromoform	25.0	27.4		ug/L		110	61 - 132
Bromomethane	25.0	23.0		ug/L		92	55 - 144
Carbon disulfide	25.0	22.1		ug/L		88	59 - 134
Carbon tetrachloride	25.0	23.3		ug/L		93	72 - 134
Chlorobenzene	25.0	25.6		ug/L		103	80 - 120
Dibromochloromethane	25.0	27.7		ug/L		111	75 - 125
Chloroethane	25.0	19.4		ug/L		77	69 - 136
Chloroform	25.0	22.5		ug/L		90	73 - 127
Chloromethane	25.0	24.2		ug/L		97	68 - 124
cis-1,2-Dichloroethene	25.0	23.8		ug/L		95	74 - 124
cis-1,3-Dichloropropene	25.0	26.4		ug/L		105	74 - 124
Cyclohexane	25.0	17.8		ug/L		71	59 - 135
Dichlorodifluoromethane	25.0	19.2		ug/L		77	59 - 135
Ethylbenzene	25.0	25.0		ug/L		100	77 - 123
1,2-Dibromoethane	25.0	27.4		ug/L		110	77 - 120
Isopropylbenzene	25.0	25.3		ug/L		101	77 - 122
Methyl acetate	50.0	52.6		ug/L		105	74 - 133
Methyl tert-butyl ether	25.0	25.9		ug/L		104	77 - 120
Methylcyclohexane	25.0	18.4		ug/L		74	68 - 134

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

Lab Sample ID: LCS 480-581081/5
Matrix: Water
Analysis Batch: 581081

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	24.2		ug/L		97	75 - 124		
Styrene			25.0	26.7		ug/L		107	80 - 120		
Tetrachloroethene			25.0	23.3		ug/L		93	74 - 122		
Toluene			25.0	25.1		ug/L		100	80 - 122		
trans-1,2-Dichloroethene			25.0	23.1		ug/L		92	73 - 127		
trans-1,3-Dichloropropene			25.0	28.0		ug/L		112	80 - 120		
Trichloroethene			25.0	21.5		ug/L		86	74 - 123		
Trichlorofluoromethane			25.0	20.5		ug/L		82	62 - 150		
Vinyl chloride			25.0	22.4		ug/L		89	65 - 133		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*90*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*86*		*77 - 120*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*
Dibromofluoromethane (Surr)	*91*		*75 - 123*

QC Association Summary

Client: New York State D.E.C.
Project/Site: Gladding Corporation #709009

Job ID: 480-184543-1
SDG: South Otselic

GC/MS VOA

Analysis Batch: 581081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-184543-1	RW-1 051121	Total/NA	Water	8260C	
480-184543-2	RW-2 051121	Total/NA	Water	8260C	
480-184543-3	EFF-46 HZ 051121	Total/NA	Water	8260C	
480-184543-4	TRIP BLANK 051121	Total/NA	Water	8260C	
MB 480-581081/7	Method Blank	Total/NA	Water	8260C	
LCS 480-581081/5	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Gladding Corporation #709009

Job ID: 480-184543-1
SDG: South Otselic

Client Sample ID: RW-1 051121

Lab Sample ID: 480-184543-1
Matrix: Water
Date Collected: 05/11/21 15:25
Date Received: 05/12/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	581081	05/15/21 12:13	OMI	TAL BUF

Client Sample ID: RW-2 051121

Lab Sample ID: 480-184543-2
Matrix: Water
Date Collected: 05/11/21 15:20
Date Received: 05/12/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	581081	05/15/21 12:35	OMI	TAL BUF

Client Sample ID: EFF-46 HZ 051121

Lab Sample ID: 480-184543-3
Matrix: Water
Date Collected: 05/11/21 15:15
Date Received: 05/12/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	581081	05/15/21 12:58	OMI	TAL BUF

Client Sample ID: TRIP BLANK 051121

Lab Sample ID: 480-184543-4
Matrix: Water
Date Collected: 05/11/21 00:00
Date Received: 05/12/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	581081	05/15/21 13:21	OMI	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

Client: New York State D.E.C.
Project/Site: Gladding Corporation #709009

Job ID: 480-184543-1
SDG: South Otselic

Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-22

Method Summary

Client: New York State D.E.C.
Project/Site: Gladding Corporation #709009

Job ID: 480-184543-1
SDG: South Otselic

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

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: Gladding Corporation #709009

Job ID: 480-184543-1
SDG: South Otselic

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-184543-1	RW-1 051121	Water	05/11/21 15:25	05/12/21 08:00	
480-184543-2	RW-2 051121	Water	05/11/21 15:20	05/12/21 08:00	
480-184543-3	EFF-46 HZ 051121	Water	05/11/21 15:15	05/12/21 08:00	
480-184543-4	TRIP BLANK 051121	Water	05/11/21 00:00	05/12/21 08:00	

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

Syracuse #225

eurofins | Environment Testing America

Client Information	Sampler: Jason Guthowski	Lab PM: Stone, Judy L	Carrier Tracking No(s):	COC No: 480-158695-34888.1
Client Contact: Jasmine Mullins	Phone: 315 436 3605	E-Mail: Judy.Stone@Eurofinset.com	State of Origin:	Page: Page 1 of 1
Company: ARCADIS U.S. Inc	PWSID:			Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): Standard Turn			
State, Zip: NY, 12065	Compliance Project: Δ Yes Δ No			
Phone: 518-402-9625(Tel)	PO #: Callout 139083			
Email: jasmine.mullins@arcadis.com	WO #:			
Project Name: Gladding Corporation #709009	Project #: 48022018			
Site: South Otselic	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL list OLM04.2	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
RW-1 051121	5/11/21	1525	G	Water			X		
RW-2 051121		1520		Water			X		
EFF-46 HZ 051121		1515		Water			X		
Trip Blank		—	—	Water			X		

480-184543 Chain of Custody

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

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company		Date/Time:	Company
Relinquished by: Dan Nuttall	5/11/21 1825	Arcadis	Received by:	5-11-21, 1825	Lyn
Relinquished by:	5/11/21 1900	ES-SYR	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	5/12/21 0800	TA

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 2.7 #1

Ver: 11/01/2020

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-184543-1
SDG Number: South Otselic

Login Number: 184543
List Number: 1
Creator: Sabuda, Brendan D

List Source: Eurofins TestAmerica, Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.7 #1 ICE
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 480-186455-1
Client Project/Site: Gladding Corporation #709009

For:
New York State D.E.C.
625 Broadway
4th Floor
Albany, New York 12233

Attn: Mr. Payson Long

Authorized for release by:
7/2/2021 1:50:01 PM
Wyatt Watson, Project Management Assistant I
Wyatt.Watson@Eurofinset.com

Designee for

Judy Stone, Senior Project Manager
(484)685-0868
Judy.Stone@Eurofinset.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.

Wyatt Watson
Project Management Assistant I
7/2/2021 1:50:01 PM

Table of Contents

Definitions/Glossary

Client: New York State D.E.C.
Job ID: 480-186455-1
Project/Site: Gladding Corporation #709009

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.

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: New York State D.E.C.
Project/Site: Gladding Corporation #709009

Job ID: 480-186455-1

Job ID: 480-186455-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-186455-1

Comments
No additional comments.

Receipt
The samples were received on 6/24/2021 8:00 AM. 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 2.4º C.

GC/MS VOA
Method 8260C: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The sample was analyzed within the 7-day holding time specified for unpreserved samples: RW-1 062321 (480-186455-1). pH is 7.

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: Gladding Corporation #709009

Job ID: 480-186455-1

Client Sample ID: RW-1 062321 — Lab Sample ID: 480-186455-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	38		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	1.2		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	1.0		1.0	0.29	ug/L	1		8260C	Total/NA

Client Sample ID: RW-2 062321 — Lab Sample ID: 480-186455-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	32		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	0.66	J	1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	0.83	J	1.0	0.29	ug/L	1		8260C	Total/NA

Client Sample ID: EFF-46 HZ 062321 — Lab Sample ID: 480-186455-3

No Detections.

Client Sample ID: TRIP BLANK 062321 — Lab Sample ID: 480-186455-4

No Detections.

This Detection Summary does not include radiochemical test results.

Client: New York State D.E.C.
Job ID: 480-186455-1
Project/Site: Gladding Corporation #709009

Client Sample ID: RW-1 062321
Lab Sample ID: 480-186455-1
Date Collected: 06/23/21 13:55
Matrix: Water
Date Received: 06/24/21 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**38**		1.0	0.82	ug/L			06/29/21 16:59	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/29/21 16:59	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/29/21 16:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			06/29/21 16:59	1
1,1-Dichloroethane	**1.2**		1.0	0.38	ug/L			06/29/21 16:59	1
1,1-Dichloroethene	**1.0**		1.0	0.29	ug/L			06/29/21 16:59	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/29/21 16:59	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/29/21 16:59	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/29/21 16:59	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/29/21 16:59	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/29/21 16:59	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/29/21 16:59	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/29/21 16:59	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/29/21 16:59	1
2-Hexanone	ND		5.0	1.2	ug/L			06/29/21 16:59	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/29/21 16:59	1
Acetone	ND		10	3.0	ug/L			06/29/21 16:59	1
Benzene	ND		1.0	0.41	ug/L			06/29/21 16:59	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/29/21 16:59	1
Bromoform	ND		1.0	0.26	ug/L			06/29/21 16:59	1
Bromomethane	ND		1.0	0.69	ug/L			06/29/21 16:59	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/29/21 16:59	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/29/21 16:59	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/29/21 16:59	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/29/21 16:59	1
Chloroethane	ND		1.0	0.32	ug/L			06/29/21 16:59	1
Chloroform	ND		1.0	0.34	ug/L			06/29/21 16:59	1
Chloromethane	ND		1.0	0.35	ug/L			06/29/21 16:59	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/29/21 16:59	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/29/21 16:59	1
Cyclohexane	ND		1.0	0.18	ug/L			06/29/21 16:59	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/29/21 16:59	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/29/21 16:59	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			06/29/21 16:59	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/29/21 16:59	1
Methyl acetate	ND		2.5	1.3	ug/L			06/29/21 16:59	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/29/21 16:59	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/29/21 16:59	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/29/21 16:59	1
Styrene	ND		1.0	0.73	ug/L			06/29/21 16:59	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/29/21 16:59	1
Toluene	ND		1.0	0.51	ug/L			06/29/21 16:59	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/29/21 16:59	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/29/21 16:59	1
Trichloroethene	ND		1.0	0.46	ug/L			06/29/21 16:59	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/29/21 16:59	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/29/21 16:59	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/29/21 16:59	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Gladding Corporation #709009

Job ID: 480-186455-1

Client Sample ID: RW-1 062321
Date Collected: 06/23/21 13:55
Date Received: 06/24/21 08:00

Lab Sample ID: 480-186455-1
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120		06/29/21 16:59	1
1,2-Dichloroethane-d4 (Surr)	96		77 - 120		06/29/21 16:59	1
4-Bromofluorobenzene (Surr)	95		73 - 120		06/29/21 16:59	1
Dibromofluoromethane (Surr)	100		75 - 123		06/29/21 16:59	1

Client Sample Results

Client: New York State D.E.C.
Project/Site: Gladding Corporation #709009

Job ID: 480-186455-1

Client Sample ID: RW-2 062321

Date Collected: 06/23/21 13:50
Date Received: 06/24/21 08:00

Lab Sample ID: 480-186455-2

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	**32**		1.0	0.82	ug/L			06/29/21 17:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/29/21 17:21	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/29/21 17:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			06/29/21 17:21	1
1,1-Dichloroethane	**0.66**	**J**	1.0	0.38	ug/L			06/29/21 17:21	1
1,1-Dichloroethene	**0.83**	**J**	1.0	0.29	ug/L			06/29/21 17:21	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/29/21 17:21	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/29/21 17:21	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/29/21 17:21	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/29/21 17:21	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/29/21 17:21	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/29/21 17:21	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/29/21 17:21	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/29/21 17:21	1
2-Hexanone	ND		5.0	1.2	ug/L			06/29/21 17:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/29/21 17:21	1
Acetone	ND		10	3.0	ug/L			06/29/21 17:21	1
Benzene	ND		1.0	0.41	ug/L			06/29/21 17:21	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/29/21 17:21	1
Bromoform	ND		1.0	0.26	ug/L			06/29/21 17:21	1
Bromomethane	ND		1.0	0.69	ug/L			06/29/21 17:21	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/29/21 17:21	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/29/21 17:21	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/29/21 17:21	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/29/21 17:21	1
Chloroethane	ND		1.0	0.32	ug/L			06/29/21 17:21	1
Chloroform	ND		1.0	0.34	ug/L			06/29/21 17:21	1
Chloromethane	ND		1.0	0.35	ug/L			06/29/21 17:21	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/29/21 17:21	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/29/21 17:21	1
Cyclohexane	ND		1.0	0.18	ug/L			06/29/21 17:21	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/29/21 17:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/29/21 17:21	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			06/29/21 17:21	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/29/21 17:21	1
Methyl acetate	ND		2.5	1.3	ug/L			06/29/21 17:21	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/29/21 17:21	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/29/21 17:21	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/29/21 17:21	1
Styrene	ND		1.0	0.73	ug/L			06/29/21 17:21	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/29/21 17:21	1
Toluene	ND		1.0	0.51	ug/L			06/29/21 17:21	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/29/21 17:21	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/29/21 17:21	1
Trichloroethene	ND		1.0	0.46	ug/L			06/29/21 17:21	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/29/21 17:21	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/29/21 17:21	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/29/21 17:21	1

Client: New York State D.E.C.
Job ID: 480-186455-1
Project/Site: Gladding Corporation #709009

Client Sample ID: RW-2 062321
Lab Sample ID: 480-186455-2
Date Collected: 06/23/21 13:50
Matrix: Water
Date Received: 06/24/21 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120		06/29/21 17:21	1
1,2-Dichloroethane-d4 (Surr)	97		77 - 120		06/29/21 17:21	1
4-Bromofluorobenzene (Surr)	95		73 - 120		06/29/21 17:21	1
Dibromofluoromethane (Surr)	102		75 - 123		06/29/21 17:21	1

Client: New York State D.E.C.
Job ID: 480-186455-1
Project/Site: Gladding Corporation #709009

Client Sample ID: EFF-46 HZ 062321
Lab Sample ID: 480-186455-3
Date Collected: 06/23/21 13:45
Matrix: Water
Date Received: 06/24/21 08:00

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			06/29/21 17:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/29/21 17:44	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/29/21 17:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			06/29/21 17:44	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/29/21 17:44	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/29/21 17:44	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/29/21 17:44	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/29/21 17:44	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/29/21 17:44	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/29/21 17:44	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/29/21 17:44	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/29/21 17:44	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/29/21 17:44	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/29/21 17:44	1
2-Hexanone	ND		5.0	1.2	ug/L			06/29/21 17:44	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/29/21 17:44	1
Acetone	ND		10	3.0	ug/L			06/29/21 17:44	1
Benzene	ND		1.0	0.41	ug/L			06/29/21 17:44	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/29/21 17:44	1
Bromoform	ND		1.0	0.26	ug/L			06/29/21 17:44	1
Bromomethane	ND		1.0	0.69	ug/L			06/29/21 17:44	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/29/21 17:44	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/29/21 17:44	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/29/21 17:44	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/29/21 17:44	1
Chloroethane	ND		1.0	0.32	ug/L			06/29/21 17:44	1
Chloroform	ND		1.0	0.34	ug/L			06/29/21 17:44	1
Chloromethane	ND		1.0	0.35	ug/L			06/29/21 17:44	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/29/21 17:44	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/29/21 17:44	1
Cyclohexane	ND		1.0	0.18	ug/L			06/29/21 17:44	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/29/21 17:44	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/29/21 17:44	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			06/29/21 17:44	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/29/21 17:44	1
Methyl acetate	ND		2.5	1.3	ug/L			06/29/21 17:44	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/29/21 17:44	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/29/21 17:44	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/29/21 17:44	1
Styrene	ND		1.0	0.73	ug/L			06/29/21 17:44	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/29/21 17:44	1
Toluene	ND		1.0	0.51	ug/L			06/29/21 17:44	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/29/21 17:44	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/29/21 17:44	1
Trichloroethene	ND		1.0	0.46	ug/L			06/29/21 17:44	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/29/21 17:44	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/29/21 17:44	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/29/21 17:44	1

Client: New York State D.E.C.
Job ID: 480-186455-1
Project/Site: Gladding Corporation #709009

Client Sample ID: EFF-46 HZ 062321
Lab Sample ID: 480-186455-3
Date Collected: 06/23/21 13:45
Matrix: Water
Date Received: 06/24/21 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120		06/29/21 17:44	1
1,2-Dichloroethane-d4 (Surr)	96		77 - 120		06/29/21 17:44	1
4-Bromofluorobenzene (Surr)	94		73 - 120		06/29/21 17:44	1
Dibromofluoromethane (Surr)	99		75 - 123		06/29/21 17:44	1

Client: New York State D.E.C.
Job ID: 480-186455-1
Project/Site: Gladding Corporation #709009

Client Sample ID: TRIP BLANK 062321
Lab Sample ID: 480-186455-4
Date Collected: 06/23/21 00:00
Matrix: Water
Date Received: 06/24/21 08:00

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			06/29/21 18:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/29/21 18:06	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/29/21 18:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			06/29/21 18:06	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/29/21 18:06	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/29/21 18:06	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/29/21 18:06	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/29/21 18:06	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/29/21 18:06	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/29/21 18:06	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/29/21 18:06	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/29/21 18:06	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/29/21 18:06	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/29/21 18:06	1
2-Hexanone	ND		5.0	1.2	ug/L			06/29/21 18:06	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/29/21 18:06	1
Acetone	ND		10	3.0	ug/L			06/29/21 18:06	1
Benzene	ND		1.0	0.41	ug/L			06/29/21 18:06	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/29/21 18:06	1
Bromoform	ND		1.0	0.26	ug/L			06/29/21 18:06	1
Bromomethane	ND		1.0	0.69	ug/L			06/29/21 18:06	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/29/21 18:06	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/29/21 18:06	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/29/21 18:06	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/29/21 18:06	1
Chloroethane	ND		1.0	0.32	ug/L			06/29/21 18:06	1
Chloroform	ND		1.0	0.34	ug/L			06/29/21 18:06	1
Chloromethane	ND		1.0	0.35	ug/L			06/29/21 18:06	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/29/21 18:06	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/29/21 18:06	1
Cyclohexane	ND		1.0	0.18	ug/L			06/29/21 18:06	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/29/21 18:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/29/21 18:06	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			06/29/21 18:06	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/29/21 18:06	1
Methyl acetate	ND		2.5	1.3	ug/L			06/29/21 18:06	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/29/21 18:06	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/29/21 18:06	1
Methylene Chloride	ND		1.0	0.44	ug/L			06/29/21 18:06	1
Styrene	ND		1.0	0.73	ug/L			06/29/21 18:06	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/29/21 18:06	1
Toluene	ND		1.0	0.51	ug/L			06/29/21 18:06	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/29/21 18:06	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/29/21 18:06	1
Trichloroethene	ND		1.0	0.46	ug/L			06/29/21 18:06	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/29/21 18:06	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/29/21 18:06	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/29/21 18:06	1

Client: New York State D.E.C.
Job ID: 480-186455-1
Project/Site: Gladding Corporation #709009

Client Sample ID: TRIP BLANK 062321
Lab Sample ID: 480-186455-4
Date Collected: 06/23/21 00:00
Matrix: Water
Date Received: 06/24/21 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120		06/29/21 18:06	1
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		06/29/21 18:06	1
4-Bromofluorobenzene (Surr)	94		73 - 120		06/29/21 18:06	1
Dibromofluoromethane (Surr)	100		75 - 123		06/29/21 18:06	1

Surrogate Summary

Client: New York State D.E.C.
Project/Site: Gladding Corporation #709009

Job ID: 480-186455-1

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)
480-186455-1	RW-1 062321	100	96	95	100
480-186455-2	RW-2 062321	100	97	95	102
480-186455-3	EFF-46 HZ 062321	99	96	94	99
480-186455-4	TRIP BLANK 062321	100	98	94	100
LCS 480-587342/5	Lab Control Sample	101	95	98	98
MB 480-587342/7	Method Blank	99	95	94	98

Surrogate Legend

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

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

Lab Sample ID: MB 480-587342/7
Matrix: Water
Analysis Batch: 587342

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			06/29/21 11:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			06/29/21 11:18	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			06/29/21 11:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			06/29/21 11:18	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			06/29/21 11:18	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			06/29/21 11:18	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			06/29/21 11:18	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			06/29/21 11:18	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			06/29/21 11:18	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			06/29/21 11:18	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			06/29/21 11:18	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			06/29/21 11:18	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			06/29/21 11:18	1
2-Butanone (MEK)	ND		10	1.3	ug/L			06/29/21 11:18	1
2-Hexanone	ND		5.0	1.2	ug/L			06/29/21 11:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			06/29/21 11:18	1
Acetone	ND		10	3.0	ug/L			06/29/21 11:18	1
Benzene	ND		1.0	0.41	ug/L			06/29/21 11:18	1
Bromodichloromethane	ND		1.0	0.39	ug/L			06/29/21 11:18	1
Bromoform	ND		1.0	0.26	ug/L			06/29/21 11:18	1
Bromomethane	ND		1.0	0.69	ug/L			06/29/21 11:18	1
Carbon disulfide	ND		1.0	0.19	ug/L			06/29/21 11:18	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			06/29/21 11:18	1
Chlorobenzene	ND		1.0	0.75	ug/L			06/29/21 11:18	1
Dibromochloromethane	ND		1.0	0.32	ug/L			06/29/21 11:18	1
Chloroethane	ND		1.0	0.32	ug/L			06/29/21 11:18	1
Chloroform	ND		1.0	0.34	ug/L			06/29/21 11:18	1
Chloromethane	ND		1.0	0.35	ug/L			06/29/21 11:18	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			06/29/21 11:18	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			06/29/21 11:18	1
Cyclohexane	ND		1.0	0.18	ug/L			06/29/21 11:18	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			06/29/21 11:18	1
Ethylbenzene	ND		1.0	0.74	ug/L			06/29/21 11:18	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			06/29/21 11:18	1
Isopropylbenzene	ND		1.0	0.79	ug/L			06/29/21 11:18	1
Methyl acetate	ND		2.5	1.3	ug/L			06/29/21 11:18	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			06/29/21 11:18	1
Methylcyclohexane	ND		1.0	0.16	ug/L			06/29/21 11:18	1
Methylene Chloride	0.576	J	1.0	0.44	ug/L			06/29/21 11:18	1
Styrene	ND		1.0	0.73	ug/L			06/29/21 11:18	1
Tetrachloroethene	ND		1.0	0.36	ug/L			06/29/21 11:18	1
Toluene	ND		1.0	0.51	ug/L			06/29/21 11:18	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			06/29/21 11:18	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			06/29/21 11:18	1
Trichloroethene	ND		1.0	0.46	ug/L			06/29/21 11:18	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			06/29/21 11:18	1
Vinyl chloride	ND		1.0	0.90	ug/L			06/29/21 11:18	1
Xylenes, Total	ND		2.0	0.66	ug/L			06/29/21 11:18	1

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

Lab Sample ID: MB 480-587342/7
Matrix: Water
Analysis Batch: 587342

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*99*		*80 - 120*		*06/29/21 11:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*		*06/29/21 11:18*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*06/29/21 11:18*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*06/29/21 11:18*	*1*

Lab Sample ID: LCS 480-587342/5
Matrix: Water
Analysis Batch: 587342

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	27.4		ug/L		110	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.1		ug/L		96	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	22.4		ug/L		90	61 - 148
1,1-Dichloroethane	25.0	25.4		ug/L		102	77 - 120
1,1-Dichloroethene	25.0	23.6		ug/L		94	66 - 127
1,2,4-Trichlorobenzene	25.0	23.6		ug/L		95	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	20.9		ug/L		84	56 - 134
1,2-Dichlorobenzene	25.0	25.0		ug/L		100	80 - 124
1,2-Dichloroethane	25.0	22.0		ug/L		88	75 - 120
1,2-Dichloropropane	25.0	25.7		ug/L		103	76 - 120
1,3-Dichlorobenzene	25.0	25.1		ug/L		100	77 - 120
1,4-Dichlorobenzene	25.0	25.0		ug/L		100	80 - 120
2-Butanone (MEK)	125	113		ug/L		90	57 - 140
2-Hexanone	125	113		ug/L		91	65 - 127
4-Methyl-2-pentanone (MIBK)	125	116		ug/L		93	71 - 125
Acetone	125	117		ug/L		94	56 - 142
Benzene	25.0	25.2		ug/L		101	71 - 124
Bromodichloromethane	25.0	23.8		ug/L		95	80 - 122
Bromoform	25.0	23.4		ug/L		94	61 - 132
Bromomethane	25.0	23.2		ug/L		93	55 - 144
Carbon disulfide	25.0	25.7		ug/L		103	59 - 134
Carbon tetrachloride	25.0	26.5		ug/L		106	72 - 134
Chlorobenzene	25.0	24.5		ug/L		98	80 - 120
Dibromochloromethane	25.0	24.3		ug/L		97	75 - 125
Chloroethane	25.0	25.5		ug/L		102	69 - 136
Chloroform	25.0	23.9		ug/L		96	73 - 127
Chloromethane	25.0	19.9		ug/L		79	68 - 124
cis-1,2-Dichloroethene	25.0	24.6		ug/L		98	74 - 124
cis-1,3-Dichloropropene	25.0	24.3		ug/L		97	74 - 124
Cyclohexane	25.0	27.6		ug/L		110	59 - 135
Dichlorodifluoromethane	25.0	19.1		ug/L		76	59 - 135
Ethylbenzene	25.0	24.9		ug/L		100	77 - 123
1,2-Dibromoethane	25.0	24.1		ug/L		96	77 - 120
Isopropylbenzene	25.0	24.7		ug/L		99	77 - 122
Methyl acetate	50.0	46.0		ug/L		92	74 - 133
Methyl tert-butyl ether	25.0	22.7		ug/L		91	77 - 120
Methylcyclohexane	25.0	28.2		ug/L		113	68 - 134

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

Lab Sample ID: LCS 480-587342/5
Matrix: Water
Analysis Batch: 587342

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	25.0	26.3		ug/L		105	75 - 124
Styrene	25.0	25.0		ug/L		100	80 - 120
Tetrachloroethene	25.0	24.7		ug/L		99	74 - 122
Toluene	25.0	24.8		ug/L		99	80 - 122
trans-1,2-Dichloroethene	25.0	27.7		ug/L		111	73 - 127
trans-1,3-Dichloropropene	25.0	23.5		ug/L		94	80 - 120
Trichloroethene	25.0	24.4		ug/L		98	74 - 123
Trichlorofluoromethane	25.0	22.3		ug/L		89	62 - 150
Vinyl chloride	25.0	22.6		ug/L		90	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*101*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*
Dibromofluoromethane (Surr)	*98*		*75 - 123*

QC Association Summary

Client: New York State D.E.C.
Project/Site: Gladding Corporation #709009

Job ID: 480-186455-1

GC/MS VOA

Analysis Batch: 587342

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186455-1	RW-1 062321	Total/NA	Water	8260C	
480-186455-2	RW-2 062321	Total/NA	Water	8260C	
480-186455-3	EFF-46 HZ 062321	Total/NA	Water	8260C	
480-186455-4	TRIP BLANK 062321	Total/NA	Water	8260C	
MB 480-587342/7	Method Blank	Total/NA	Water	8260C	
LCS 480-587342/5	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

Client: New York State D.E.C.
Job ID: 480-186455-1
Project/Site: Gladding Corporation #709009

Client Sample ID: RW-1 062321
Lab Sample ID: 480-186455-1
Date Collected: 06/23/21 13:55
Matrix: Water
Date Received: 06/24/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	587342	06/29/21 16:59	LCH	TAL BUF

Client Sample ID: RW-2 062321
Lab Sample ID: 480-186455-2
Date Collected: 06/23/21 13:50
Matrix: Water
Date Received: 06/24/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	587342	06/29/21 17:21	LCH	TAL BUF

Client Sample ID: EFF-46 HZ 062321
Lab Sample ID: 480-186455-3
Date Collected: 06/23/21 13:45
Matrix: Water
Date Received: 06/24/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	587342	06/29/21 17:44	LCH	TAL BUF

Client Sample ID: TRIP BLANK 062321
Lab Sample ID: 480-186455-4
Date Collected: 06/23/21 00:00
Matrix: Water
Date Received: 06/24/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	587342	06/29/21 18:06	LCH	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.
Job ID: 480-186455-1
Project/Site: Gladding Corporation #709009

Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-22

Method Summary

Client: New York State D.E.C.
Job ID: 480-186455-1
Project/Site: Gladding Corporation #709009

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

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: Gladding Corporation #709009

Job ID: 480-186455-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-186455-1	RW-1 062321	Water	06/23/21 13:55	06/24/21 08:00	
480-186455-2	RW-2 062321	Water	06/23/21 13:50	06/24/21 08:00	
480-186455-3	EFF-46 HZ 062321	Water	06/23/21 13:45	06/24/21 08:00	
480-186455-4	TRIP BLANK 062321	Water	06/23/21 00:00	06/24/21 08:00	

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing America

Syracuse

Client Information	Sampler: Jason Gutkowski	Lab PM: Stone, Judy L	Carrier Tracking No(s): #225	COC No: 480-158696-34888.1
Client Contact: Jasmine Mullins	Phone: 3154368605	E-Mail: Judy.Stone@Eurofinset.com	State of Origin:	Page: Page 1 of 1
Company: ARCADIS U.S. Inc	PWSID:	Analysis Requested		Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			Preservation Codes:
City: Clifton Park	TAT Requested (days): Standard Turn			
State, Zip: NY, 12065	Compliance Project: Δ Yes Δ No			
Phone: 518-402-9625(Tel)	PO #: Callout 139083			
Email: jasmine.mullins@arcadis.com	WO #:			
Project Name: Gladding Corporation #709009	Project #: 48022018			
Site: South Otselic	SSOW#:			

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL list OLM04.2	Total Number of containers	Special Instructions/Note:
				Preservation Code:			A		
RW-1 062321	6/23/21	1355	G	Water			X		
RW-2 062321	↓	1350	↓	Water			X		
EFF-46 HZ 062321	↓	1345	↓	Water			X		
Trip Blank	↓	—	—	Water			X		

RE 6-23-21

480-186455 Chain of Custody

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

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Dan Guter	6/23/21 / 1608	Arcadis	R. Eiriglich	6-23-21, 1608	Eyn
R. Eiriglich	6-23-21, 1900	Ayn			
			[signature]	6/24/21 0800	TA

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.4 #1

Ver: 11/01/2020

Login Sample Receipt Checklist

Client: New York State D.E.C. Job Number: 480-186455-1

Login Number: 186455 **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	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.4 #1 ICE
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

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