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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

Third Quarter 2021

November 2021

GLADDING CORDAGE SITE QUARTERLY REPORT

Third Quarter 2021

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ACRONYMS AND ABBREVIATIONS

Arcadis	Arcadis of New York, Inc.
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 third 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 volatile organic compounds (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 third 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 July, August, and September 2021 due to power outages or shut down maintenance, and it was reset in person or remotely. This resulted in system runtimes of 100 percent (%) in July, 97% in August, and 73% in September 2021. In addition, the air stripper was disassembled, cleaned, and reassembled in September 2021 for routine annual maintenance as 1,1,1-TCA was detected at an estimated concentration in the August 2021 effluent sample.

The average monthly flow rates and total flow volumes for the third 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 9.9 gallons per minute (GPM). The average flow from RW-2 was 18.1 GPM. Based on the total flow values, approximately 3.9 million gallons of water were treated and discharged to the Otselic River between July and September 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.

As presented on Table 3-2, the concentrations of 1,1,1-TCA reported in samples collected from recovery well RW-1 were 35 micrograms per liter (µg/L) in July 2021, 38 µg/L in August 2021, and 27 µg/L in September 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 26 µg/L in July 2021, 31 µg/L in August 2021, and 27 µg/L in September 2021. As shown on Table 3-3, 1,1-DCA, 1,1-DCE were also detected in the third quarter 2021 samples from RW-2. Consistent with previous results, the concentrations of these compounds were less than their respective 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 third 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. The concentration of 1,1,1-TCA in the August 2021 effluent sample was 0.9 µg/L estimated. No other VOCs were detected in the effluent during the third quarter 2021 sampling events.

Based on influent sample concentrations and total flow volumes from the Gladding Cordage treatment system, approximately 1.0 pound of VOCs were removed by the treatment system during the third 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 third quarter 2021 for routine maintenance and due to intermittent power outages. The average total flow through the treatment system during the third quarter 2021 was approximately 14.0 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 1.0 pounds of VOCs were removed by the treatment system during the third quarter 2021.

The concentrations of VOCs detected in the RW-1 and RW-2 are within the range of historical values. The concentration of 1,1,1-TCA detected in the August 2021 effluent sample was 0.9 µg/L estimated. Based on this detection within the effluent sample, the air stripper was disassembled, cleaned, and reassembled prior to the September monthly sampling event.

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

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Analytical Reports

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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-17	31	100%	100%	100%	25.7	23.7	50,412,604	46,629,621	1,213,626	1,139,731	2,353,357	
February-17	28	100%	100%	100%	25.5	23.6	51,438,294	47,591,095	1,025,690	961,474	1,987,164	6,229,301
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	
May-17	31	100%	100%	100%	24.5	23.4	54,444,161	50,411,047	932,444	883,556	1,816,000	6,300,342
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	
August-17	22	71%	100%	100%	16.5 *	23.8	56,726,638	53,145,185	535,456	786,142	1,321,598	4,577,965
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	
November-17	30	100%	100%	100%	15.9 *	23.2	58,901,735	56,353,922	681,800	1,028,275	1,710,075	5,305,181
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
% - percent
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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:
gpm - Gallons per minute
* - flow meter not reading properly
% - percent
Notes:
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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-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
* - flow meter not reading properly
% - percent
Notes:
1 - System started on 8/23/2007.
2 - Totalizer reset on 11/5/2020.

TABLE 3-1
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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-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	
July-21	31	100%	100%	100%	12.3	20.7	5,328,563	6,659,621	545,040	924,214	1,469,254	3,938,868
August-21	30	97%	100%	100%	10.4	20.2	5,811,422	7,590,557	482,859	930,936	1,413,795	
September-21	22	73%	100%	100%	7.8	14.6	6,174,384	8,283,414	362,962	692,857	1,055,819	
Total Flow 2021					**13.9**	**20.6**			**4,625,969**	**6,683,534**	**11,309,503**	

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.
B - Compound was found in the blank and sample
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.
µg/L - microgram per liter

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 U	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.
B - Compound was found in the blank and sample
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.
µg/L - microgram per liter

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.
B - Compound was found in the blank and sample
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.
µg/L - microgram per liter

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.
B - Compound was found in the blank and sample
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.
µg/L - microgram per liter

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	RW-1 7/13/2021	RW-1 8/10/2021	RW-1 9/15/2021
Volatile Organic Compounds (µg/L)										
1,1,1-Trichloroethane	5.0	**39**	**35**	**39**	**42**	**39**	**38**	**35**	**38**	**27**
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	1.0 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	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	5.0*	1.3	1.2	1.3	1.6	0.93	1.2	1.2	1.3	1.1
1,1-Dichloroethene	5.0	0.82 J	0.79 J	1.0 J	1.1 J	1.0 J	1.0	1.0 J	1.1	0.67 J
1,2-Dichlorobenzene	3.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 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	1.0 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	1.0 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	1.0 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	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
Bromodichloromethane	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
Bromoform	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
Bromomethane	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
Carbon Tetrachloride	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
Chlorobenzene	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
Chloroethane	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
Chloroform	7.0	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
Chloromethane	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
cis-1,3-Dichloropropene	0.4	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	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	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methyl tert-butyl Ether	10	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	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
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
Tetrachloroethene	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
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
trans-1,2-Dichloroethene	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
trans-1,3-Dichloropropene	0.4	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	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	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	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		41.12	36.99	41.3	44.7	40.93	40.2	37.2	40.4	28.77

Definitions:
* - NYSDEC Principal Organic Contaminant Standard of 5 µg/L applies to this compound.
B - Compound was found in the blank and sample
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.
µg/L - microgram per liter

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.
B - Compound was found in the blank and sample
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.
µg/L - microgram per liter
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.
B - Compound was found in the blank and sample
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.
µg/L - microgram per liter

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.
B - Compound was found in the blank and sample
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.
µg/L - microgram per liter

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 J B	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	30.39	44.82	29.57	30.45	33.27	34.05	30.31	31.14

Definitions:
* - NYSDEC Principal Organic Contaminant Standard of 5 µg/L applies to this compound.
B - Compound was found in the blank and sample
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.
µg/L - microgram per liter

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 1/12/2021	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	RW-2 7/13/2021	RW-2 8/10/2021	RW-2 9/15/2021
Volatile Organic Compounds (µg/L)										
1,1,1-Trichloroethane	5.0	**28**	**28**	**30**	**32**	**33**	**32**	**26**	**31**	**27**
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	1.0 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	1.0 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	0.63 J	0.6 J	0.73 J
1,1-Dichloroethene	5.0	0.58 J	0.52 J	0.77 U	0.9 J	1.1 J	0.83 J	0.82 J	0.89 J	0.74 J
1,2-Dichlorobenzene	3.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 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	1.0 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	1.0 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	1.0 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	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
Bromodichloromethane	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
Bromoform	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
Bromomethane	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
Carbon Tetrachloride	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
Chlorobenzene	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
Chloroethane	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
Chloroform	7.0	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
Chloromethane	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
cis-1,3-Dichloropropene	0.4	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	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	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methyl tert-butyl Ether	10	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	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
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
Tetrachloroethene	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
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
trans-1,2-Dichloroethene	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
trans-1,3-Dichloropropene	0.4	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	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	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	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		29.14	29.19	31.42	33.59	34.91	33.49	27.45	32.49	28.47

Definitions:
* - NYSDEC Principal Organic Contaminant Standard of 5 µg/L applies to this compound.
B - Compound was found in the blank and sample
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.
µg/L - microgram per liter
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.
B - Compound was found in the blank and sample
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.
µg/L - microgram per liter

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 J	0.93 J

Definitions:
* - NYSDEC Principal Organic Contaminant Standard of 5 µg/L applies to this compound.
B - Compound was found in the blank and sample
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.
µg/L - microgram per liter

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) 12/12/2019
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.
B - Compound was found in the blank and sample
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.
µg/L - microgram per liter

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) 1/13/2020	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 JB	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 JB	ND	ND

Definitions:
* - NYSDEC Principal Organic Contaminant Standard of 5 µg/L applies to this compound.
B - Compound was found in the blank and sample
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.
µg/L - microgram per liter

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	EFF(46HZ) 7/13/2021	EFF(46HZ) 8/10/2021	EFF(46HZ) 9/15/2021
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	1.0 U	0.94 J	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	1.0 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	1.0 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	1.0 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	1.0 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	1.0 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	1.0 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	1.0 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	1.0 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	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
Bromodichloromethane	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
Bromoform	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
Bromomethane	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
Carbon Tetrachloride	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
Chlorobenzene	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
Chloroethane	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
Chloroform	7.0	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
Chloromethane	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
cis-1,3-Dichloropropene	0.4	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
Dibromochloromethane	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
Ethyl Benzene	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
m/p-Xylenes	5.0	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methyl tert-butyl Ether	10	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	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
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
Tetrachloroethene	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
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
trans-1,2-Dichloroethene	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
trans-1,3-Dichloropropene	0.4	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	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	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	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		ND	ND	ND	ND	ND	ND	ND	0.94 J	ND

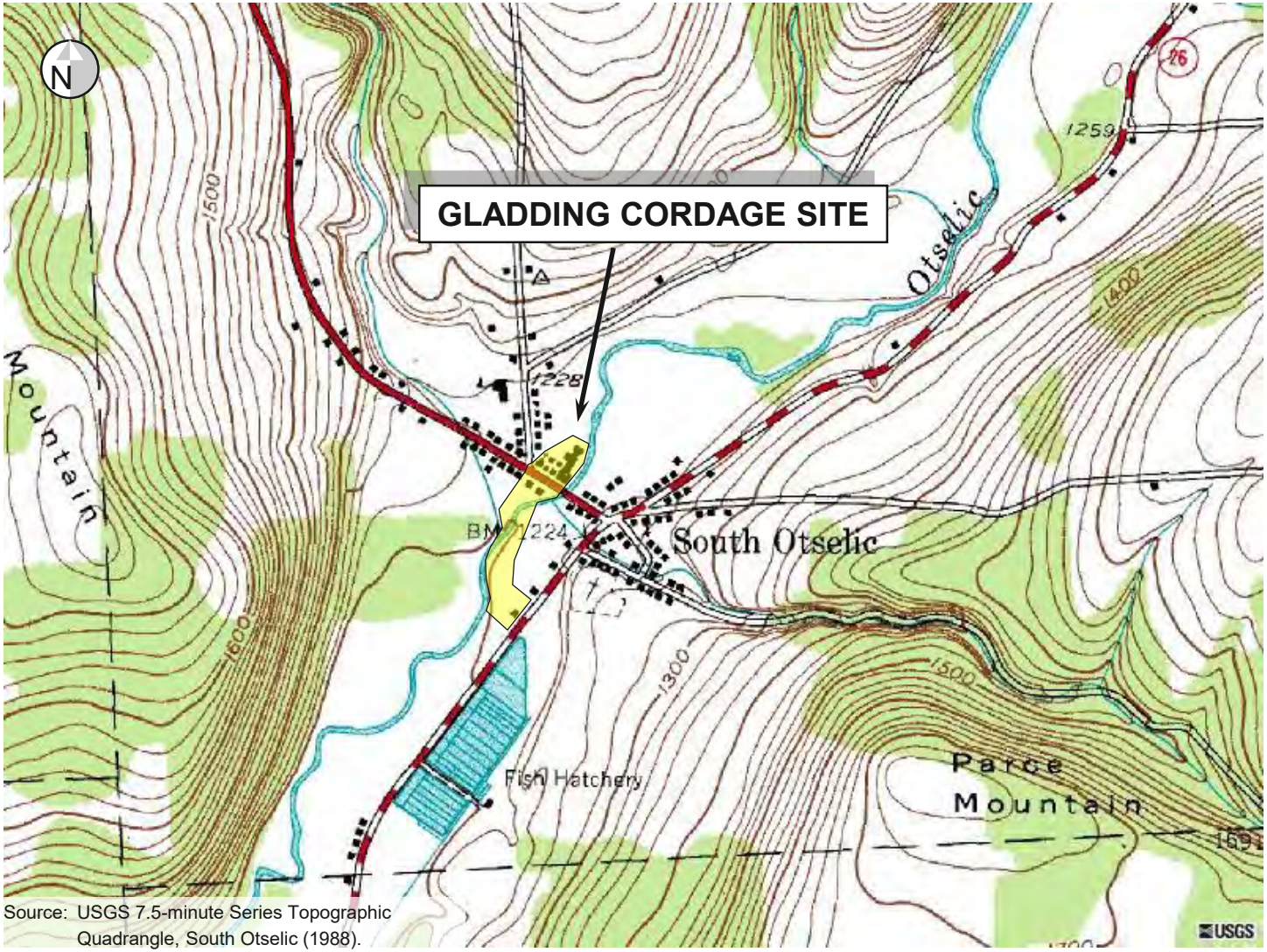
Definitions:
* - NYSDEC Principal Organic Contaminant Standard of 5 µg/L applies to this compound.
B - Compound was found in the blank and sample
J - Compound was detected below the reporting limit or concentration is estimated for TICS.
NA - Not analyzed
ND - Non-detect
NYSDEC - New York State Department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

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

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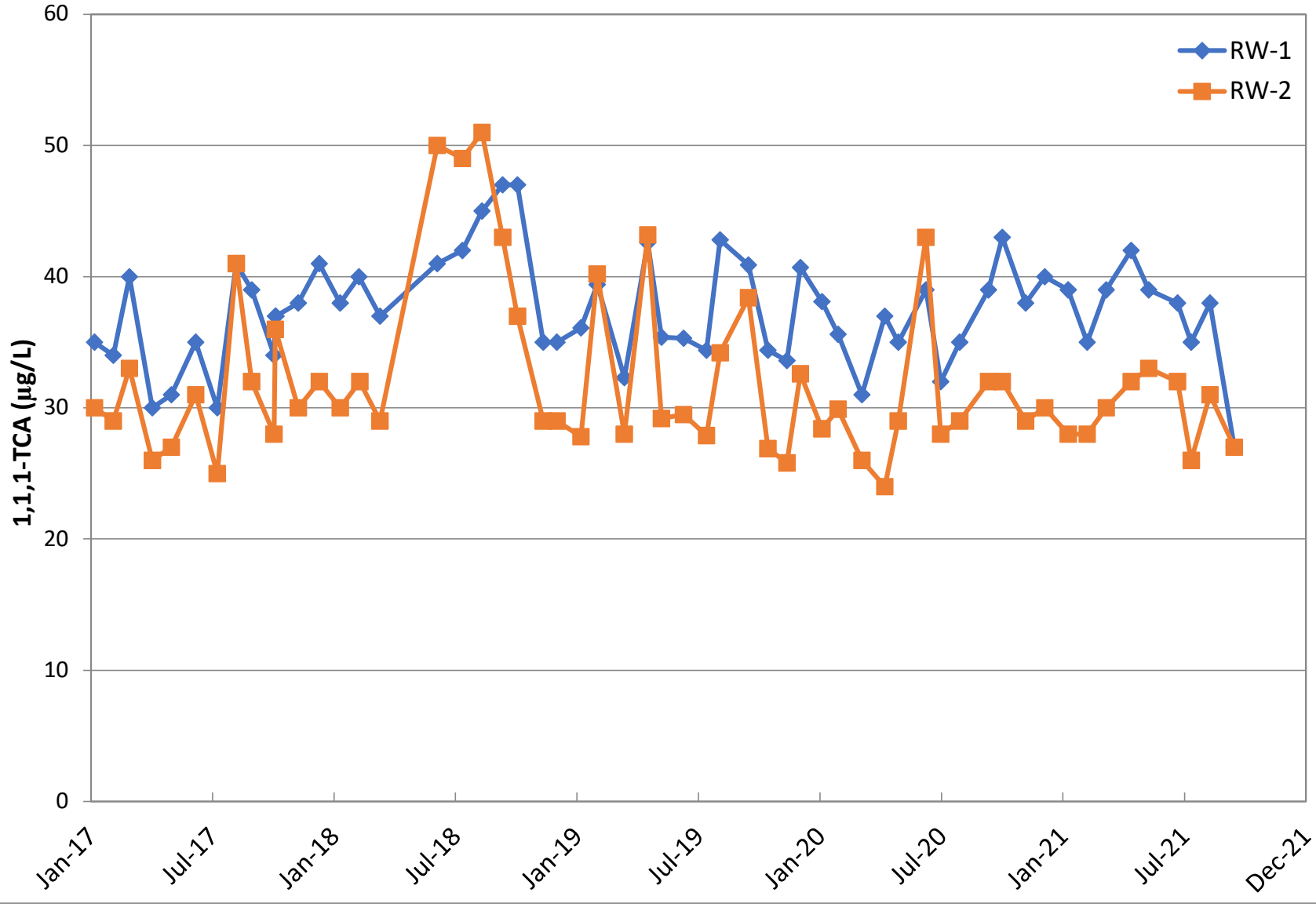
Figure 3-1
Treatment System Influent Sample Concentrations (1,1,1-TCA)
Gladding Cordage Site
NYSDEC Site Number 7-09-009



APPENDIX A

O&M Checklists

Gladding Cordage
South Otselic, New York
NYSDEC Site #709009

Date 7/13/21
Inspector Jason Gutkowski
Time 1200

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)	Yes
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	13.5	20.6
Total Flow (Gallons)	3122358	4143666
Water Level (Feet Above Probe)	24.36	55.41
Probe Depth (Feet BTOC)	40	65

Air Stripper			
Blower VFD Setting (Hertz)	46.0	Intake/Exhaust Piping OK? (Y/N)	yes
System Pressure (inches water)	9.0	Water Leaks (Y/N)	NO
Influent/Effluent Piping OK? (Y/N)	yes	Water Temperature (°F)	62

Heat Exchanger			
Heat (On/Off)	Low	Building Temperature (°F)	69.5
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)	yes	Outfall Condition OK? (Y/N)	Yes
Monitoring Wells OK? (Y/N)	yes	Samples Collected (Y/N)	yes

Notes:

Sampled: RW-1 - 1225
RW-1-MS - —
RW-1-MSD - —

RW-2 - 1220
EFF 46 HZ - 1215

Site walk and well inspection: 1235
System inspection: 1200

Gladding Cordage
South Otselic, New York
NYSDEC Site #709009

Date: 8/10/21
Inspector: Jason Gutkowski
Time: 1140

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	10.9	20.8
Total Flow (Gallons)	3588710 ~~0~~ 04	5016252
Water Level (Feet Above Probe)	23.70	54.08
Probe Depth (Feet BTOC)	40	65

Air Stripper			
Blower VFD Setting (Hertz)	46.0	Intake/Exhaust Piping OK? (Y/N)	Yes
System Pressure (inches water)	9.0	Water Leaks (Y/N)	NO
Influent/Effluent Piping OK? (Y/N)	Yes	Water Temperature (°F)	52

Heat Exchanger			
Heat (On/Off)	Low	Building Temperature (°F)	66.7
Heat Exchanger Flow (GPM)	0	Heat Exchanger Pressure (PSI)	2.0

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 - 1240
RW-1-MS —
RW-1-MSD —

RW-2 - 1235
EFF 46 HZ - 1230

Site walk and well inspection: 1300
System inspection: 1145

Gladding Cordage
South Otselic, New York
NYSDEC Site #709009

Date: 9/15/21
Inspector: Jason Gutkowski
Time: 1105

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	11.4	20.7
Total Flow (Gallons)	4105537	6032886
Water Level (Feet Above Probe)	23.80	54.27
Probe Depth (Feet BTOC)	48	65

Air Stripper			
Blower VFD Setting (Hertz)	46.0	Intake/Exhaust Piping OK? (Y/N)	yes
System Pressure (inches water)	9.9	Water Leaks (Y/N)	NO
Influent/Effluent Piping OK? (Y/N)	yes	Water Temperature (°F)	54°F

Heat Exchanger			
Heat (On/Off)	Low	Building Temperature (°F)	70.1
Heat Exchanger Flow (GPM)	0	Heat Exchanger Pressure (PSI)	2.0

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 - 1139
RW-1-MS - —
RW-1-MSD - —

RW-2 - 1135
EFF 46 HZ - 1130

Site walk and well inspection: 1205
System inspection: 1115

APPENDIX B

NYSDEC Daily Inspection Reports

DAILY INSPECTION REPORT

Report No. 9 **Gladding Cordage - NYSDEC Site No. 709009** Date: 7/13/2021

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:
None at this time.

Visitors to Site

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

Report No. 9 **Gladding Cordage - NYSDEC Site No. 709009** Date: 7/13/2021

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 July 13, 2021.

Site Photographs (Descriptions Below)	
	
Exterior view of Treatment System building.	Interior view of Treatment System building.
	
View of Treatment System Effluent piping.	
Comments	
None at this time.	
Site Inspector(s): Jason Gutkowski	**Date: 7/13/2021**

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. 10 **Gladding Cordage - NYSDEC Site No. 709009** Date: 8/10/2021

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	Sunny	AM	Sunny	PM
Temperature	74°F	AM	80°F	PM
Wind	N 5 MPH	AM	NE 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

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

Summary of Work Performed	Arrived at site:	1130	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	4.0

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

Report No. 10 **Gladding Cordage - NYSDEC Site No. 709009** Date: 8/10/2021

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 August 10, 2021.

Site Photographs (Descriptions Below)	
Comments	
None at this time.	
Site Inspector(s): Jason Gutkowski	**Date: 8/10/2021**

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 any of 1-4 above: • If it is not 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 is 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. 11 **Gladding Cordage - NYSDEC Site No. 709009** Date: 8/23/2021

NYSDEC
Division of Environmental Remediation

NYSDEC Contract No. D009804-11

Superintendent:

NYSDEC PM: Payson Long

Consultant PM: Andy Vitolins, P.G.

Consultant Site Inspectors: Jasmine Mullins

Site Location: South Otselic, New York

Weather Conditions

General Description	Sunny	AM	Sunny	PM
Temperature	74°F	AM	74°F	PM
Wind	N 13 MPH	AM	N 7 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 & Hand Protection were utilized.

Summary of Work Performed	Arrived at site:	1150	Departed Site:	1330

Non-routine O&M – Inspected and diagnosed RW-1 and RW-2 pressure sensor readings.

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
Jasmine Mullins	Arcadis	Engineer	1.6

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:
None at this time.

Visitors to Site

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

Report No. 11 **Gladding Cordage - NYSDEC Site No. 709009** Date: 8/23/2021

Site Representatives	
Name	**Representing**

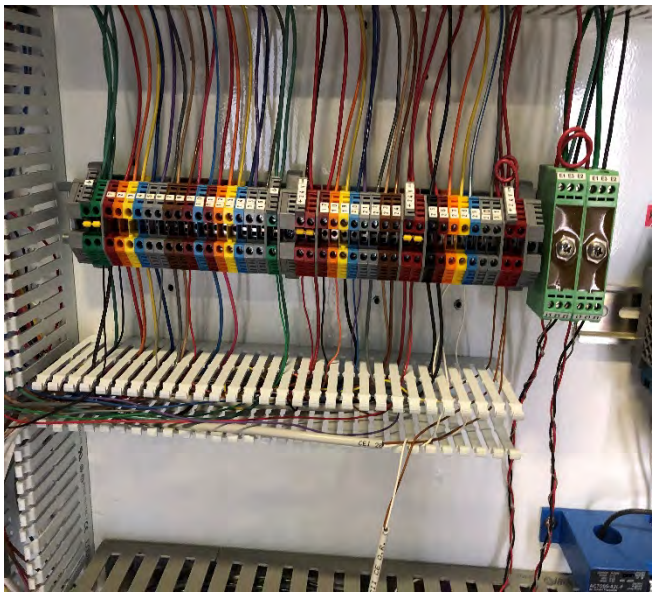
Project Schedule Comments
None at this time.
Issues Pending
None at this time.
Interaction with Public, Property Owners, Media, etc.
None at this time.

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

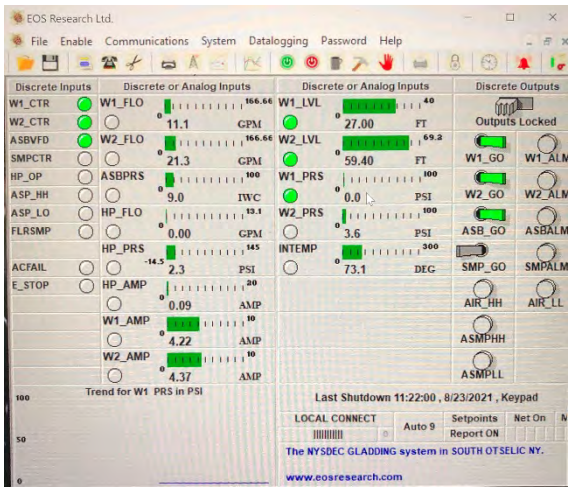
Yellow outlined area indicates the location of work performed on August 23, 2021.

Site Photographs (Descriptions Below)

Exterior view of Main Control Panel (MCP).



Interior view of MCP.



View of EOS ProControl system screen

View of RW-2 and protective bollards.

Comments

None at this time.

Site Inspector(s): Jasmine Mullins	**Date: 8/23/2021**

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 any of 1-4 above: • If it is not 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 is 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. 12 **Gladding Cordage - NYSDEC Site No. 709009** Date: 9/15/2021

NYSDEC
Division of Environmental Remediation

NYSDEC Contract No. D009804-11

Superintendent:

NYSDEC PM: Payson Long

Consultant PM: Andy Vitolins, P.G.

Consultant Site Inspectors: Jason Gutkowski, Michael Bernal

Site Location: South Otselic, New York

Weather Conditions

General Description	Partly Cloudy	AM	Rain	PM
Temperature	75°F	AM	72°F	PM
Wind	S 15 MPH	AM	S 15 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

Eye protection, nitrile gloves, and steel toe boots were utilized when handling air stripper trays.

Summary of Work Performed	Arrived at site:	8:00AM	Departed Site:	11:30AM

Routine Operation and Maintenance (O&M) – Separated the Air Stripper and cleaned trays. Routine monthly sampling completed after Air Stripper was closed and system was operational.
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 Technician	3.5
Michael Bernal	Arcadis	Environmental Engineer	3.5

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:
None at this time.

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 September 15, 2021.

Site Photographs (Descriptions Below)	
	
View of Air Stripper tray following cleaning.	View of flooding in front of Treatment System building.

Comments	
System was successfully restarted	
Site Inspector(s): Jason Gutkowski, Michael Bernal	**Date: 9/15/2021**

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 ☐
<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. 13 **Gladding Cordage - NYSDEC Site No. 709009** Date: 9/21/2021

NYSDEC
Division of Environmental Remediation

NYSDEC Contract No. D009804-11

Superintendent:

NYSDEC PM: Payson Long

Consultant PM: Andy Vitolins, P.G.

Consultant Site Inspectors: Michael Bernal

Site Location: South Otselic, New York

Weather Conditions

General Description	Partly Cloudy	AM	Partly Cloudy	PM
Temperature	62°F	AM	72°F	PM
Wind	S 10 MPH	AM	S 15 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

Eye protection, nitrile gloves, and steel toe boots were utilized.

Summary of Work Performed	Arrived at site:	1030	Departed Site:	1130

Routine Operation and Maintenance (O&M) – Performed system restart and inspected exterior of Treatment System building.

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
Michael Bernal	Arcadis	Environmental Engineer	1.0

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:

None at this time.

Visitors to Site

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

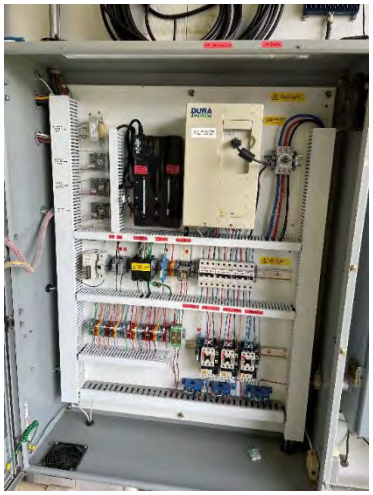
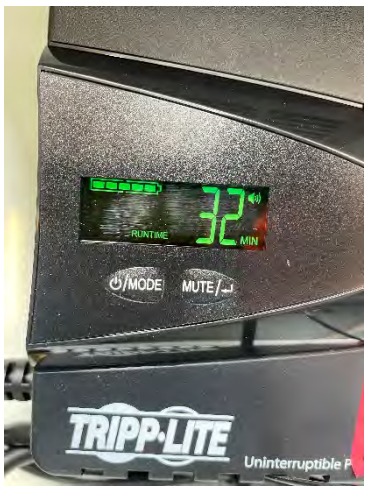
Report No. 13 **Gladding Cordage - NYSDEC Site No. 709009** Date: 9/21/2021

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 September 21, 2021.

Site Photographs (Descriptions Below)	
	
View of EOS ProControl system.	Exterior view of Main Control Panel (MCP).
	
Interior view of MCP.	View of Uninterruptible Power System (UPS).
Comments	
None at this time.	
Site Inspector(s): Michael Bernal	**Date: 9/21/2021**

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 any of 1-4 above: • If it is not 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 is 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.			

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: 480-187131-1
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:
7/21/2021 6:38:33 PM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@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.

Rebecca Jones
Project Management Assistant I
7/21/2021 6:38:33 PM

Table of Contents

Definitions/Glossary

Client: New York State D.E.C.
Job ID: 480-187131-1
Project/Site: Gladding Corporation #709009

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
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: 480-187131-1

Job ID: 480-187131-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-187131-1

Comments
No additional comments.

Receipt
The samples were received on 7/14/2021 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 2.0° C.

GC/MS VOA
Method 8260C: Due to the coelution of Ethyl Acetate with 2-Butanone in the full spike solution, these analytes exceeded control limits in the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) associated with batch 589202. The following samples were affected : RW-1 071321 (480-187131-1), RW-2 071321 (480-187131-2), EFF-46HZ 071321 (480-187131-3) and TRIP BLANK (480-187131-4).

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: 480-187131-1

Client Sample ID: RW-1 071321 — Lab Sample ID: 480-187131-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	35		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	0.95	J	1.0	0.29	ug/L	1		8260C	Total/NA

Client Sample ID: RW-2 071321 — Lab Sample ID: 480-187131-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	26		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	0.63	J	1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	0.82	J	1.0	0.29	ug/L	1		8260C	Total/NA

Client Sample ID: EFF-46HZ 071321 — Lab Sample ID: 480-187131-3

No Detections.

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-187131-4

No Detections.

This Detection Summary does not include radiochemical test results.

Client: New York State D.E.C.
Job ID: 480-187131-1
Project/Site: Gladding Corporation #709009

Client Sample ID: RW-1 071321
Lab Sample ID: 480-187131-1
Date Collected: 07/13/21 12:25
Matrix: Water
Date Received: 07/14/21 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	**35**		1.0	0.82	ug/L			07/16/21 03:25	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/16/21 03:25	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/16/21 03:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/16/21 03:25	1
1,1-Dichloroethane	**1.2**		1.0	0.38	ug/L			07/16/21 03:25	1
1,1-Dichloroethene	**0.95**	**J**	1.0	0.29	ug/L			07/16/21 03:25	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/16/21 03:25	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/16/21 03:25	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/16/21 03:25	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/16/21 03:25	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/16/21 03:25	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/16/21 03:25	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/16/21 03:25	1
2-Butanone (MEK)	ND	*+	10	1.3	ug/L			07/16/21 03:25	1
2-Hexanone	ND		5.0	1.2	ug/L			07/16/21 03:25	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/16/21 03:25	1
Acetone	ND		10	3.0	ug/L			07/16/21 03:25	1
Benzene	ND		1.0	0.41	ug/L			07/16/21 03:25	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/16/21 03:25	1
Bromoform	ND		1.0	0.26	ug/L			07/16/21 03:25	1
Bromomethane	ND		1.0	0.69	ug/L			07/16/21 03:25	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/16/21 03:25	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/16/21 03:25	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/16/21 03:25	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/16/21 03:25	1
Chloroethane	ND		1.0	0.32	ug/L			07/16/21 03:25	1
Chloroform	ND		1.0	0.34	ug/L			07/16/21 03:25	1
Chloromethane	ND		1.0	0.35	ug/L			07/16/21 03:25	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/16/21 03:25	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/16/21 03:25	1
Cyclohexane	ND		1.0	0.18	ug/L			07/16/21 03:25	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/16/21 03:25	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/16/21 03:25	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/16/21 03:25	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/16/21 03:25	1
Methyl acetate	ND		2.5	1.3	ug/L			07/16/21 03:25	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/16/21 03:25	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/16/21 03:25	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/16/21 03:25	1
Styrene	ND		1.0	0.73	ug/L			07/16/21 03:25	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/16/21 03:25	1
Toluene	ND		1.0	0.51	ug/L			07/16/21 03:25	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/16/21 03:25	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/16/21 03:25	1
Trichloroethene	ND		1.0	0.46	ug/L			07/16/21 03:25	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/16/21 03:25	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/16/21 03:25	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/16/21 03:25	1

Client: New York State D.E.C.
Job ID: 480-187131-1
Project/Site: Gladding Corporation #709009

Client Sample ID: RW-1 071321
Lab Sample ID: 480-187131-1
Date Collected: 07/13/21 12:25
Matrix: Water
Date Received: 07/14/21 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		80 - 120		07/16/21 03:25	1
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		07/16/21 03:25	1
4-Bromofluorobenzene (Surr)	95		73 - 120		07/16/21 03:25	1
Dibromofluoromethane (Surr)	102		75 - 123		07/16/21 03:25	1

Client: New York State D.E.C.
Job ID: 480-187131-1
Project/Site: Gladding Corporation #709009

Client Sample ID: RW-2 071321
Lab Sample ID: 480-187131-2
Date Collected: 07/13/21 12:28
Matrix: Water
Date Received: 07/14/21 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	**26**		1.0	0.82	ug/L			07/16/21 03:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/16/21 03:47	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/16/21 03:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/16/21 03:47	1
1,1-Dichloroethane	**0.63**	**J**	1.0	0.38	ug/L			07/16/21 03:47	1
1,1-Dichloroethene	**0.82**	**J**	1.0	0.29	ug/L			07/16/21 03:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/16/21 03:47	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/16/21 03:47	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/16/21 03:47	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/16/21 03:47	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/16/21 03:47	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/16/21 03:47	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/16/21 03:47	1
2-Butanone (MEK)	ND	*+	10	1.3	ug/L			07/16/21 03:47	1
2-Hexanone	ND		5.0	1.2	ug/L			07/16/21 03:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/16/21 03:47	1
Acetone	ND		10	3.0	ug/L			07/16/21 03:47	1
Benzene	ND		1.0	0.41	ug/L			07/16/21 03:47	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/16/21 03:47	1
Bromoform	ND		1.0	0.26	ug/L			07/16/21 03:47	1
Bromomethane	ND		1.0	0.69	ug/L			07/16/21 03:47	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/16/21 03:47	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/16/21 03:47	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/16/21 03:47	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/16/21 03:47	1
Chloroethane	ND		1.0	0.32	ug/L			07/16/21 03:47	1
Chloroform	ND		1.0	0.34	ug/L			07/16/21 03:47	1
Chloromethane	ND		1.0	0.35	ug/L			07/16/21 03:47	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/16/21 03:47	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/16/21 03:47	1
Cyclohexane	ND		1.0	0.18	ug/L			07/16/21 03:47	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/16/21 03:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/16/21 03:47	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/16/21 03:47	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/16/21 03:47	1
Methyl acetate	ND		2.5	1.3	ug/L			07/16/21 03:47	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/16/21 03:47	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/16/21 03:47	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/16/21 03:47	1
Styrene	ND		1.0	0.73	ug/L			07/16/21 03:47	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/16/21 03:47	1
Toluene	ND		1.0	0.51	ug/L			07/16/21 03:47	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/16/21 03:47	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/16/21 03:47	1
Trichloroethene	ND		1.0	0.46	ug/L			07/16/21 03:47	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/16/21 03:47	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/16/21 03:47	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/16/21 03:47	1

Client: New York State D.E.C.
Job ID: 480-187131-1
Project/Site: Gladding Corporation #709009

Client Sample ID: RW-2 071321
Lab Sample ID: 480-187131-2
Date Collected: 07/13/21 12:28
Matrix: Water
Date Received: 07/14/21 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		80 - 120		07/16/21 03:47	1
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		07/16/21 03:47	1
4-Bromofluorobenzene (Surr)	99		73 - 120		07/16/21 03:47	1
Dibromofluoromethane (Surr)	102		75 - 123		07/16/21 03:47	1

Client: New York State D.E.C.
Job ID: 480-187131-1
Project/Site: Gladding Corporation #709009

Client Sample ID: EFF-46HZ 071321
Lab Sample ID: 480-187131-3
Date Collected: 07/13/21 12:15
Matrix: Water
Date Received: 07/14/21 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			07/16/21 04:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/16/21 04:10	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/16/21 04:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/16/21 04:10	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/16/21 04:10	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/16/21 04:10	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/16/21 04:10	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/16/21 04:10	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/16/21 04:10	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/16/21 04:10	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/16/21 04:10	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/16/21 04:10	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/16/21 04:10	1
2-Butanone (MEK)	ND	*+	10	1.3	ug/L			07/16/21 04:10	1
2-Hexanone	ND		5.0	1.2	ug/L			07/16/21 04:10	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/16/21 04:10	1
Acetone	ND		10	3.0	ug/L			07/16/21 04:10	1
Benzene	ND		1.0	0.41	ug/L			07/16/21 04:10	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/16/21 04:10	1
Bromoform	ND		1.0	0.26	ug/L			07/16/21 04:10	1
Bromomethane	ND		1.0	0.69	ug/L			07/16/21 04:10	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/16/21 04:10	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/16/21 04:10	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/16/21 04:10	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/16/21 04:10	1
Chloroethane	ND		1.0	0.32	ug/L			07/16/21 04:10	1
Chloroform	ND		1.0	0.34	ug/L			07/16/21 04:10	1
Chloromethane	ND		1.0	0.35	ug/L			07/16/21 04:10	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/16/21 04:10	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/16/21 04:10	1
Cyclohexane	ND		1.0	0.18	ug/L			07/16/21 04:10	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/16/21 04:10	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/16/21 04:10	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/16/21 04:10	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/16/21 04:10	1
Methyl acetate	ND		2.5	1.3	ug/L			07/16/21 04:10	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/16/21 04:10	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/16/21 04:10	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/16/21 04:10	1
Styrene	ND		1.0	0.73	ug/L			07/16/21 04:10	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/16/21 04:10	1
Toluene	ND		1.0	0.51	ug/L			07/16/21 04:10	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/16/21 04:10	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/16/21 04:10	1
Trichloroethene	ND		1.0	0.46	ug/L			07/16/21 04:10	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/16/21 04:10	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/16/21 04:10	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/16/21 04:10	1

Client: New York State D.E.C.
Job ID: 480-187131-1
Project/Site: Gladding Corporation #709009

Client Sample ID: EFF-46HZ 071321
Lab Sample ID: 480-187131-3
Date Collected: 07/13/21 12:15
Matrix: Water
Date Received: 07/14/21 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	94		80 - 120		07/16/21 04:10	1
1,2-Dichloroethane-d4 (Surr)	96		77 - 120		07/16/21 04:10	1
4-Bromofluorobenzene (Surr)	94		73 - 120		07/16/21 04:10	1
Dibromofluoromethane (Surr)	95		75 - 123		07/16/21 04:10	1

Client: New York State D.E.C.
Job ID: 480-187131-1
Project/Site: Gladding Corporation #709009

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-187131-4
Date Collected: 07/13/21 00:00
Matrix: Water
Date Received: 07/14/21 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			07/16/21 04:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/16/21 04:32	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/16/21 04:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/16/21 04:32	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/16/21 04:32	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/16/21 04:32	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/16/21 04:32	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/16/21 04:32	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/16/21 04:32	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/16/21 04:32	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/16/21 04:32	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/16/21 04:32	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/16/21 04:32	1
2-Butanone (MEK)	ND	*+	10	1.3	ug/L			07/16/21 04:32	1
2-Hexanone	ND		5.0	1.2	ug/L			07/16/21 04:32	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/16/21 04:32	1
Acetone	ND		10	3.0	ug/L			07/16/21 04:32	1
Benzene	ND		1.0	0.41	ug/L			07/16/21 04:32	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/16/21 04:32	1
Bromoform	ND		1.0	0.26	ug/L			07/16/21 04:32	1
Bromomethane	ND		1.0	0.69	ug/L			07/16/21 04:32	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/16/21 04:32	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/16/21 04:32	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/16/21 04:32	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/16/21 04:32	1
Chloroethane	ND		1.0	0.32	ug/L			07/16/21 04:32	1
Chloroform	ND		1.0	0.34	ug/L			07/16/21 04:32	1
Chloromethane	ND		1.0	0.35	ug/L			07/16/21 04:32	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/16/21 04:32	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/16/21 04:32	1
Cyclohexane	ND		1.0	0.18	ug/L			07/16/21 04:32	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/16/21 04:32	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/16/21 04:32	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/16/21 04:32	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/16/21 04:32	1
Methyl acetate	ND		2.5	1.3	ug/L			07/16/21 04:32	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/16/21 04:32	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/16/21 04:32	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/16/21 04:32	1
Styrene	ND		1.0	0.73	ug/L			07/16/21 04:32	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/16/21 04:32	1
Toluene	ND		1.0	0.51	ug/L			07/16/21 04:32	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/16/21 04:32	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/16/21 04:32	1
Trichloroethene	ND		1.0	0.46	ug/L			07/16/21 04:32	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/16/21 04:32	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/16/21 04:32	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/16/21 04:32	1

Client: New York State D.E.C.
Job ID: 480-187131-1
Project/Site: Gladding Corporation #709009

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-187131-4
Date Collected: 07/13/21 00:00
Matrix: Water
Date Received: 07/14/21 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		80 - 120		07/16/21 04:32	1
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		07/16/21 04:32	1
4-Bromofluorobenzene (Surr)	100		73 - 120		07/16/21 04:32	1
Dibromofluoromethane (Surr)	104		75 - 123		07/16/21 04:32	1

Surrogate Summary

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

Job ID: 480-187131-1

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)
480-187131-1	RW-1 071321	96	98	95	102
480-187131-2	RW-2 071321	96	98	99	102
480-187131-3	EFF-46HZ 071321	94	96	94	95
480-187131-4	TRIP BLANK	97	102	100	104
LCS 480-589202/6	Lab Control Sample	92	95	95	93
LCSD 480-589202/33	Lab Control Sample Dup	91	95	91	93
MB 480-589202/8	Method Blank	104	108	105	109

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 480-589202/8
Matrix: Water
Analysis Batch: 589202

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			07/16/21 01:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			07/16/21 01:55	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			07/16/21 01:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			07/16/21 01:55	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			07/16/21 01:55	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			07/16/21 01:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			07/16/21 01:55	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			07/16/21 01:55	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			07/16/21 01:55	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			07/16/21 01:55	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			07/16/21 01:55	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			07/16/21 01:55	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			07/16/21 01:55	1
2-Butanone (MEK)	ND		10	1.3	ug/L			07/16/21 01:55	1
2-Hexanone	ND		5.0	1.2	ug/L			07/16/21 01:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			07/16/21 01:55	1
Acetone	ND		10	3.0	ug/L			07/16/21 01:55	1
Benzene	ND		1.0	0.41	ug/L			07/16/21 01:55	1
Bromodichloromethane	ND		1.0	0.39	ug/L			07/16/21 01:55	1
Bromoform	ND		1.0	0.26	ug/L			07/16/21 01:55	1
Bromomethane	ND		1.0	0.69	ug/L			07/16/21 01:55	1
Carbon disulfide	ND		1.0	0.19	ug/L			07/16/21 01:55	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			07/16/21 01:55	1
Chlorobenzene	ND		1.0	0.75	ug/L			07/16/21 01:55	1
Dibromochloromethane	ND		1.0	0.32	ug/L			07/16/21 01:55	1
Chloroethane	ND		1.0	0.32	ug/L			07/16/21 01:55	1
Chloroform	ND		1.0	0.34	ug/L			07/16/21 01:55	1
Chloromethane	ND		1.0	0.35	ug/L			07/16/21 01:55	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			07/16/21 01:55	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			07/16/21 01:55	1
Cyclohexane	ND		1.0	0.18	ug/L			07/16/21 01:55	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/16/21 01:55	1
Ethylbenzene	ND		1.0	0.74	ug/L			07/16/21 01:55	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			07/16/21 01:55	1
Isopropylbenzene	ND		1.0	0.79	ug/L			07/16/21 01:55	1
Methyl acetate	ND		2.5	1.3	ug/L			07/16/21 01:55	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			07/16/21 01:55	1
Methylcyclohexane	ND		1.0	0.16	ug/L			07/16/21 01:55	1
Methylene Chloride	ND		1.0	0.44	ug/L			07/16/21 01:55	1
Styrene	ND		1.0	0.73	ug/L			07/16/21 01:55	1
Tetrachloroethene	ND		1.0	0.36	ug/L			07/16/21 01:55	1
Toluene	ND		1.0	0.51	ug/L			07/16/21 01:55	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			07/16/21 01:55	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			07/16/21 01:55	1
Trichloroethene	ND		1.0	0.46	ug/L			07/16/21 01:55	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			07/16/21 01:55	1
Vinyl chloride	ND		1.0	0.90	ug/L			07/16/21 01:55	1
Xylenes, Total	ND		2.0	0.66	ug/L			07/16/21 01:55	1

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

Lab Sample ID: MB 480-589202/8
Matrix: Water
Analysis Batch: 589202

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*104*		*80 - 120*		*07/16/21 01:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*07/16/21 01:55*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*07/16/21 01:55*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*07/16/21 01:55*	*1*

Lab Sample ID: LCS 480-589202/6
Matrix: Water
Analysis Batch: 589202

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	24.2		ug/L		97	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.7		ug/L		95	76 - 120
1,1,2-Trichloroethane	25.0	24.0		ug/L		96	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.1		ug/L		97	61 - 148
1,1-Dichloroethane	25.0	23.7		ug/L		95	77 - 120
1,1-Dichloroethene	25.0	23.7		ug/L		95	66 - 127
1,2,4-Trichlorobenzene	25.0	22.0		ug/L		88	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	29.9		ug/L		120	56 - 134
1,2-Dichlorobenzene	25.0	23.2		ug/L		93	80 - 124
1,2-Dichloroethane	25.0	23.6		ug/L		94	75 - 120
1,2-Dichloropropane	25.0	23.2		ug/L		93	76 - 120
1,3-Dichlorobenzene	25.0	23.0		ug/L		92	77 - 120
1,4-Dichlorobenzene	25.0	22.3		ug/L		89	80 - 120
2-Butanone (MEK)	125	210	*+	ug/L		168	57 - 140
2-Hexanone	125	124		ug/L		99	65 - 127
4-Methyl-2-pentanone (MIBK)	125	117		ug/L		94	71 - 125
Acetone	125	122		ug/L		98	56 - 142
Benzene	25.0	23.1		ug/L		92	71 - 124
Bromodichloromethane	25.0	24.4		ug/L		98	80 - 122
Bromoform	25.0	25.5		ug/L		102	61 - 132
Bromomethane	25.0	23.0		ug/L		92	55 - 144
Carbon disulfide	25.0	23.5		ug/L		94	59 - 134
Carbon tetrachloride	25.0	25.6		ug/L		102	72 - 134
Chlorobenzene	25.0	23.4		ug/L		94	80 - 120
Dibromochloromethane	25.0	25.6		ug/L		102	75 - 125
Chloroethane	25.0	24.1		ug/L		96	69 - 136
Chloroform	25.0	23.0		ug/L		92	73 - 127
Chloromethane	25.0	22.0		ug/L		88	68 - 124
cis-1,2-Dichloroethene	25.0	23.9		ug/L		95	74 - 124
cis-1,3-Dichloropropene	25.0	25.7		ug/L		103	74 - 124
Cyclohexane	25.0	23.9		ug/L		95	59 - 135
Dichlorodifluoromethane	25.0	22.6		ug/L		90	59 - 135
Ethylbenzene	25.0	23.4		ug/L		93	77 - 123
1,2-Dibromoethane	25.0	26.3		ug/L		105	77 - 120
Isopropylbenzene	25.0	23.9		ug/L		96	77 - 122
Methyl acetate	50.0	49.3		ug/L		99	74 - 133
Methyl tert-butyl ether	25.0	23.2		ug/L		93	77 - 120
Methylcyclohexane	25.0	23.9		ug/L		96	68 - 134

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

Lab Sample ID: LCS 480-589202/6
Matrix: Water
Analysis Batch: 589202

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	23.3		ug/L		93	75 - 124
Styrene	25.0	23.7		ug/L		95	80 - 120
Tetrachloroethene	25.0	27.5		ug/L		110	74 - 122
Toluene	25.0	23.3		ug/L		93	80 - 122
trans-1,2-Dichloroethene	25.0	23.2		ug/L		93	73 - 127
trans-1,3-Dichloropropene	25.0	26.9		ug/L		107	80 - 120
Trichloroethene	25.0	23.9		ug/L		95	74 - 123
Trichlorofluoromethane	25.0	25.2		ug/L		101	62 - 150
Vinyl chloride	25.0	24.1		ug/L		96	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*92*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*
Dibromofluoromethane (Surr)	*93*		*75 - 123*

Lab Sample ID: LCSD 480-589202/33
Matrix: Water
Analysis Batch: 589202

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	25.0	22.6		ug/L		91	73 - 126	6	15
1,1,2,2-Tetrachloroethane	25.0	24.6		ug/L		98	76 - 120	4	15
1,1,2-Trichloroethane	25.0	23.8		ug/L		95	76 - 122	1	15
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	22.6		ug/L		90	61 - 148	7	20
1,1-Dichloroethane	25.0	22.8		ug/L		91	77 - 120	4	20
1,1-Dichloroethene	25.0	22.5		ug/L		90	66 - 127	5	16
1,2,4-Trichlorobenzene	25.0	22.1		ug/L		89	79 - 122	1	20
1,2-Dibromo-3-Chloropropane	25.0	30.3		ug/L		121	56 - 134	1	15
1,2-Dichlorobenzene	25.0	23.6		ug/L		94	80 - 124	1	20
1,2-Dichloroethane	25.0	23.6		ug/L		94	75 - 120	0	20
1,2-Dichloropropane	25.0	22.9		ug/L		92	76 - 120	1	20
1,3-Dichlorobenzene	25.0	22.9		ug/L		92	77 - 120	0	20
1,4-Dichlorobenzene	25.0	22.5		ug/L		90	80 - 120	1	20
2-Butanone (MEK)	125	214	*+	ug/L		172	57 - 140	2	20
2-Hexanone	125	123		ug/L		98	65 - 127	1	15
4-Methyl-2-pentanone (MIBK)	125	117		ug/L		94	71 - 125	0	35
Acetone	125	131		ug/L		105	56 - 142	7	15
Benzene	25.0	21.9		ug/L		88	71 - 124	5	13
Bromodichloromethane	25.0	23.8		ug/L		95	80 - 122	3	15
Bromoform	25.0	23.5		ug/L		94	61 - 132	8	15
Bromomethane	25.0	21.5		ug/L		86	55 - 144	7	15
Carbon disulfide	25.0	21.7		ug/L		87	59 - 134	8	15
Carbon tetrachloride	25.0	23.4		ug/L		94	72 - 134	9	15
Chlorobenzene	25.0	22.3		ug/L		89	80 - 120	5	25
Dibromochloromethane	25.0	24.2		ug/L		97	75 - 125	6	15
Chloroethane	25.0	22.3		ug/L		89	69 - 136	8	15
Chloroform	25.0	22.9		ug/L		91	73 - 127	1	20

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

Lab Sample ID: LCSD 480-589202/33
Matrix: Water
Analysis Batch: 589202

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloromethane			25.0	21.2		ug/L		85	68 - 124	4	15
cis-1,2-Dichloroethene			25.0	23.6		ug/L		94	74 - 124	1	15
cis-1,3-Dichloropropene			25.0	23.9		ug/L		95	74 - 124	8	15
Cyclohexane			25.0	22.7		ug/L		91	59 - 135	5	20
Dichlorodifluoromethane			25.0	21.4		ug/L		85	59 - 135	5	20
Ethylbenzene			25.0	22.2		ug/L		89	77 - 123	5	15
1,2-Dibromoethane			25.0	25.8		ug/L		103	77 - 120	2	15
Isopropylbenzene			25.0	23.8		ug/L		95	77 - 122	0	20
Methyl acetate			50.0	50.3		ug/L		101	74 - 133	2	20
Methyl tert-butyl ether			25.0	23.4		ug/L		93	77 - 120	1	37
Methylcyclohexane			25.0	22.0		ug/L		88	68 - 134	8	20
Methylene Chloride			25.0	23.2		ug/L		93	75 - 124	0	15
Styrene			25.0	22.8		ug/L		91	80 - 120	4	20
Tetrachloroethene			25.0	28.8		ug/L		115	74 - 122	4	20
Toluene			25.0	21.9		ug/L		88	80 - 122	6	15
trans-1,2-Dichloroethene			25.0	22.1		ug/L		88	73 - 127	5	20
trans-1,3-Dichloropropene			25.0	24.4		ug/L		98	80 - 120	10	15
Trichloroethene			25.0	22.8		ug/L		91	74 - 123	4	16
Trichlorofluoromethane			25.0	23.5		ug/L		94	62 - 150	7	20
Vinyl chloride			25.0	22.6		ug/L		91	65 - 133	6	15

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*91*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*
Dibromofluoromethane (Surr)	*93*		*75 - 123*

QC Association Summary

Client: New York State D.E.C.
Job ID: 480-187131-1
Project/Site: Gladding Corporation #709009

GC/MS VOA

Analysis Batch: 589202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187131-1	RW-1 071321	Total/NA	Water	8260C	
480-187131-2	RW-2 071321	Total/NA	Water	8260C	
480-187131-3	EFF-46HZ 071321	Total/NA	Water	8260C	
480-187131-4	TRIP BLANK	Total/NA	Water	8260C	
MB 480-589202/8	Method Blank	Total/NA	Water	8260C	
LCS 480-589202/6	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-589202/33	Lab Control Sample Dup	Total/NA	Water	8260C	

Lab Chronicle

Client: New York State D.E.C.
Job ID: 480-187131-1
Project/Site: Gladding Corporation #709009

Client Sample ID: RW-1 071321
Lab Sample ID: 480-187131-1
Date Collected: 07/13/21 12:25
Matrix: Water
Date Received: 07/14/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	589202	07/16/21 03:25	CRL	TAL BUF

Client Sample ID: RW-2 071321
Lab Sample ID: 480-187131-2
Date Collected: 07/13/21 12:28
Matrix: Water
Date Received: 07/14/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	589202	07/16/21 03:47	CRL	TAL BUF

Client Sample ID: EFF-46HZ 071321
Lab Sample ID: 480-187131-3
Date Collected: 07/13/21 12:15
Matrix: Water
Date Received: 07/14/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	589202	07/16/21 04:10	CRL	TAL BUF

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-187131-4
Date Collected: 07/13/21 00:00
Matrix: Water
Date Received: 07/14/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	589202	07/16/21 04:32	CRL	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: 480-187131-1
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: 480-187131-1
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: 480-187131-1
Project/Site: Gladding Corporation #709009

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-187131-1	RW-1 071321	Water	07/13/21 12:25	07/14/21 08:00	
480-187131-2	RW-2 071321	Water	07/13/21 12:28	07/14/21 08:00	
480-187131-3	EFF-46HZ 071321	Water	07/13/21 12:15	07/14/21 08:00	
480-187131-4	TRIP BLANK	Water	07/13/21 00:00	07/14/21 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 #225

Client Information	Sampler: Jason Gutkowski	Lab PM: Stone, Judy L	Carrier Tracking No(s):	COC No: 480-158697-34888.1
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:	X	X	A	X	
RW-1 071321	7/13/21	1225	G	Water			X		
RW-2 071321	↓	1220	↓	Water			X		
EFF-46 HZ 071321	↓	1215	↓	Water			X		
Trip Blank	↓	—	—	Water			X		

RG 7-13-21

480-187131 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 Mutti	7/13/21 / 1640	Arcadis	[signature]	7/13/21 1640	ES-SYRC
R Chugluck	7-13-21, 1900	[signature]	[signature]	7-14-21 800	TAB

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.0 ICE

Ver: 11/01/2020

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-187131-1

Login Number: 187131

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Yeager, Brian A

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.	True	
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: 480-188168-1
Laboratory Sample Delivery Group: South Otselic
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:
8/16/2021 3:42:05 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
8/16/2021 3:42:05 PM

Table of Contents

Definitions/Glossary

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

Job ID: 480-188168-1
SDG: South Otselic

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
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: 480-188168-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-188168-1

Comments
No additional comments.

Receipt
The samples were received on 8/11/2021 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 continuing calibration verification (CCV) associated with batch 480-592647 recovered above the upper control limit for Carbon tetrachloride, 2-Hexanone, and Chlorodibromomethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: RW-1 081021 (480-188168-1), RW-2 081021 (480-188168-2), EFF-46 HZ 081021 (480-188168-3) and Trip Blank 081021 (480-188168-4).

Method 8260C: The laboratory control sample (LCS) for analytical batch 480-592647 recovered outside control limits for the following analyte: 1,2-Dibromo-3-Chloropropane. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported. The associated samples are impacted: RW-1 081021 (480-188168-1), RW-2 081021 (480-188168-2), EFF-46 HZ 081021 (480-188168-3) and Trip Blank 081021 (480-188168-4).

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: 480-188168-1
SDG: South Otselic

Client Sample ID: RW-1 081021 — Lab Sample ID: 480-188168-1

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	1.3		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: RW-2 081021 — Lab Sample ID: 480-188168-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	31		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	0.60	J	1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	0.89	J	1.0	0.29	ug/L	1		8260C	Total/NA

Client Sample ID: EFF-46 HZ 081021 — Lab Sample ID: 480-188168-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	0.94	J	1.0	0.82	ug/L	1		8260C	Total/NA

Client Sample ID: Trip Blank 081021 — Lab Sample ID: 480-188168-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	1.4	J	10	1.3	ug/L	1		8260C	Total/NA
Acetone	7.2	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.
Project/Site: Gladding Corporation #709009

Job ID: 480-188168-1
SDG: South Otselic

Client Sample ID: RW-1 081021
Date Collected: 08/10/21 12:40
Date Received: 08/11/21 08:00

Lab Sample ID: 480-188168-1
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	**38**		1.0	0.82	ug/L			08/12/21 13:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/12/21 13:47	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/12/21 13:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/12/21 13:47	1
1,1-Dichloroethane	**1.3**		1.0	0.38	ug/L			08/12/21 13:47	1
1,1-Dichloroethene	**1.1**		1.0	0.29	ug/L			08/12/21 13:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/12/21 13:47	1
1,2-Dibromo-3-Chloropropane	ND	*+	1.0	0.39	ug/L			08/12/21 13:47	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/12/21 13:47	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/12/21 13:47	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/12/21 13:47	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/12/21 13:47	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/12/21 13:47	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/12/21 13:47	1
2-Hexanone	ND		5.0	1.2	ug/L			08/12/21 13:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/12/21 13:47	1
Acetone	ND		10	3.0	ug/L			08/12/21 13:47	1
Benzene	ND		1.0	0.41	ug/L			08/12/21 13:47	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/12/21 13:47	1
Bromoform	ND		1.0	0.26	ug/L			08/12/21 13:47	1
Bromomethane	ND		1.0	0.69	ug/L			08/12/21 13:47	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/12/21 13:47	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/12/21 13:47	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/12/21 13:47	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/12/21 13:47	1
Chloroethane	ND		1.0	0.32	ug/L			08/12/21 13:47	1
Chloroform	ND		1.0	0.34	ug/L			08/12/21 13:47	1
Chloromethane	ND		1.0	0.35	ug/L			08/12/21 13:47	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/12/21 13:47	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/12/21 13:47	1
Cyclohexane	ND		1.0	0.18	ug/L			08/12/21 13:47	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/12/21 13:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/12/21 13:47	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/12/21 13:47	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/12/21 13:47	1
Methyl acetate	ND		2.5	1.3	ug/L			08/12/21 13:47	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/12/21 13:47	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/12/21 13:47	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/12/21 13:47	1
Styrene	ND		1.0	0.73	ug/L			08/12/21 13:47	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/12/21 13:47	1
Toluene	ND		1.0	0.51	ug/L			08/12/21 13:47	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/12/21 13:47	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/12/21 13:47	1
Trichloroethene	ND		1.0	0.46	ug/L			08/12/21 13:47	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/12/21 13:47	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/12/21 13:47	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/12/21 13:47	1

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

Job ID: 480-188168-1
SDG: South Otselic

Client Sample ID: RW-1 081021
Date Collected: 08/10/21 12:40
Date Received: 08/11/21 08:00

Lab Sample ID: 480-188168-1
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		80 - 120		08/12/21 13:47	1
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		08/12/21 13:47	1
4-Bromofluorobenzene (Surr)	99		73 - 120		08/12/21 13:47	1
Dibromofluoromethane (Surr)	98		75 - 123		08/12/21 13:47	1

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

Job ID: 480-188168-1
SDG: South Otselic

Client Sample ID: RW-2 081021
Date Collected: 08/10/21 12:35
Date Received: 08/11/21 08:00

Lab Sample ID: 480-188168-2
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	**31**		1.0	0.82	ug/L			08/12/21 14:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/12/21 14:10	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/12/21 14:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/12/21 14:10	1
1,1-Dichloroethane	**0.60**	**J**	1.0	0.38	ug/L			08/12/21 14:10	1
1,1-Dichloroethene	**0.89**	**J**	1.0	0.29	ug/L			08/12/21 14:10	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/12/21 14:10	1
1,2-Dibromo-3-Chloropropane	ND	*+	1.0	0.39	ug/L			08/12/21 14:10	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/12/21 14:10	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/12/21 14:10	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/12/21 14:10	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/12/21 14:10	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/12/21 14:10	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/12/21 14:10	1
2-Hexanone	ND		5.0	1.2	ug/L			08/12/21 14:10	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/12/21 14:10	1
Acetone	ND		10	3.0	ug/L			08/12/21 14:10	1
Benzene	ND		1.0	0.41	ug/L			08/12/21 14:10	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/12/21 14:10	1
Bromoform	ND		1.0	0.26	ug/L			08/12/21 14:10	1
Bromomethane	ND		1.0	0.69	ug/L			08/12/21 14:10	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/12/21 14:10	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/12/21 14:10	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/12/21 14:10	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/12/21 14:10	1
Chloroethane	ND		1.0	0.32	ug/L			08/12/21 14:10	1
Chloroform	ND		1.0	0.34	ug/L			08/12/21 14:10	1
Chloromethane	ND		1.0	0.35	ug/L			08/12/21 14:10	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/12/21 14:10	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/12/21 14:10	1
Cyclohexane	ND		1.0	0.18	ug/L			08/12/21 14:10	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/12/21 14:10	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/12/21 14:10	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/12/21 14:10	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/12/21 14:10	1
Methyl acetate	ND		2.5	1.3	ug/L			08/12/21 14:10	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/12/21 14:10	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/12/21 14:10	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/12/21 14:10	1
Styrene	ND		1.0	0.73	ug/L			08/12/21 14:10	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/12/21 14:10	1
Toluene	ND		1.0	0.51	ug/L			08/12/21 14:10	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/12/21 14:10	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/12/21 14:10	1
Trichloroethene	ND		1.0	0.46	ug/L			08/12/21 14:10	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/12/21 14:10	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/12/21 14:10	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/12/21 14:10	1

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

Job ID: 480-188168-1
SDG: South Otselic

Client Sample ID: RW-2 081021
Date Collected: 08/10/21 12:35
Date Received: 08/11/21 08:00

Lab Sample ID: 480-188168-2
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		80 - 120		08/12/21 14:10	1
1,2-Dichloroethane-d4 (Surr)	106		77 - 120		08/12/21 14:10	1
4-Bromofluorobenzene (Surr)	96		73 - 120		08/12/21 14:10	1
Dibromofluoromethane (Surr)	103		75 - 123		08/12/21 14:10	1

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

Job ID: 480-188168-1
SDG: South Otselic

Client Sample ID: EFF-46 HZ 081021
Date Collected: 08/10/21 12:30
Date Received: 08/11/21 08:00

Lab Sample ID: 480-188168-3
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	0.94	J	1.0	0.82	ug/L			08/12/21 14:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/12/21 14:33	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/12/21 14:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/12/21 14:33	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/12/21 14:33	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/12/21 14:33	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/12/21 14:33	1
1,2-Dibromo-3-Chloropropane	ND	*+	1.0	0.39	ug/L			08/12/21 14:33	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/12/21 14:33	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/12/21 14:33	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/12/21 14:33	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/12/21 14:33	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/12/21 14:33	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/12/21 14:33	1
2-Hexanone	ND		5.0	1.2	ug/L			08/12/21 14:33	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/12/21 14:33	1
Acetone	ND		10	3.0	ug/L			08/12/21 14:33	1
Benzene	ND		1.0	0.41	ug/L			08/12/21 14:33	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/12/21 14:33	1
Bromoform	ND		1.0	0.26	ug/L			08/12/21 14:33	1
Bromomethane	ND		1.0	0.69	ug/L			08/12/21 14:33	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/12/21 14:33	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/12/21 14:33	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/12/21 14:33	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/12/21 14:33	1
Chloroethane	ND		1.0	0.32	ug/L			08/12/21 14:33	1
Chloroform	ND		1.0	0.34	ug/L			08/12/21 14:33	1
Chloromethane	ND		1.0	0.35	ug/L			08/12/21 14:33	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/12/21 14:33	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/12/21 14:33	1
Cyclohexane	ND		1.0	0.18	ug/L			08/12/21 14:33	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/12/21 14:33	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/12/21 14:33	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/12/21 14:33	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/12/21 14:33	1
Methyl acetate	ND		2.5	1.3	ug/L			08/12/21 14:33	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/12/21 14:33	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/12/21 14:33	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/12/21 14:33	1
Styrene	ND		1.0	0.73	ug/L			08/12/21 14:33	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/12/21 14:33	1
Toluene	ND		1.0	0.51	ug/L			08/12/21 14:33	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/12/21 14:33	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/12/21 14:33	1
Trichloroethene	ND		1.0	0.46	ug/L			08/12/21 14:33	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/12/21 14:33	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/12/21 14:33	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/12/21 14:33	1

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

Job ID: 480-188168-1
SDG: South Otselic

Client Sample ID: EFF-46 HZ 081021
Date Collected: 08/10/21 12:30
Date Received: 08/11/21 08:00

Lab Sample ID: 480-188168-3
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		80 - 120		08/12/21 14:33	1
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		08/12/21 14:33	1
4-Bromofluorobenzene (Surr)	94		73 - 120		08/12/21 14:33	1
Dibromofluoromethane (Surr)	102		75 - 123		08/12/21 14:33	1

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

Job ID: 480-188168-1
SDG: South Otselic

Client Sample ID: Trip Blank 081021
Date Collected: 08/10/21 00:00
Date Received: 08/11/21 08:00

Lab Sample ID: 480-188168-4
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			08/12/21 14:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/12/21 14:56	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/12/21 14:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/12/21 14:56	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/12/21 14:56	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/12/21 14:56	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/12/21 14:56	1
1,2-Dibromo-3-Chloropropane	ND	*+	1.0	0.39	ug/L			08/12/21 14:56	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/12/21 14:56	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/12/21 14:56	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/12/21 14:56	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/12/21 14:56	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/12/21 14:56	1
2-Butanone (MEK)	**1.4**	**J**	10	1.3	ug/L			08/12/21 14:56	1
2-Hexanone	ND		5.0	1.2	ug/L			08/12/21 14:56	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/12/21 14:56	1
Acetone	**7.2**	**J**	10	3.0	ug/L			08/12/21 14:56	1
Benzene	ND		1.0	0.41	ug/L			08/12/21 14:56	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/12/21 14:56	1
Bromoform	ND		1.0	0.26	ug/L			08/12/21 14:56	1
Bromomethane	ND		1.0	0.69	ug/L			08/12/21 14:56	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/12/21 14:56	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/12/21 14:56	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/12/21 14:56	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/12/21 14:56	1
Chloroethane	ND		1.0	0.32	ug/L			08/12/21 14:56	1
Chloroform	ND		1.0	0.34	ug/L			08/12/21 14:56	1
Chloromethane	ND		1.0	0.35	ug/L			08/12/21 14:56	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/12/21 14:56	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/12/21 14:56	1
Cyclohexane	ND		1.0	0.18	ug/L			08/12/21 14:56	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/12/21 14:56	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/12/21 14:56	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/12/21 14:56	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/12/21 14:56	1
Methyl acetate	ND		2.5	1.3	ug/L			08/12/21 14:56	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/12/21 14:56	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/12/21 14:56	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/12/21 14:56	1
Styrene	ND		1.0	0.73	ug/L			08/12/21 14:56	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/12/21 14:56	1
Toluene	ND		1.0	0.51	ug/L			08/12/21 14:56	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/12/21 14:56	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/12/21 14:56	1
Trichloroethene	ND		1.0	0.46	ug/L			08/12/21 14:56	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/12/21 14:56	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/12/21 14:56	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/12/21 14:56	1

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

Job ID: 480-188168-1
SDG: South Otselic

Client Sample ID: Trip Blank 081021
Date Collected: 08/10/21 00:00
Date Received: 08/11/21 08:00

Lab Sample ID: 480-188168-4
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		80 - 120		08/12/21 14:56	1
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		08/12/21 14:56	1
4-Bromofluorobenzene (Surr)	95		73 - 120		08/12/21 14:56	1
Dibromofluoromethane (Surr)	100		75 - 123		08/12/21 14:56	1

Surrogate Summary

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

Job ID: 480-188168-1
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)
480-188168-1	RW-1 081021	97	103	99	98
480-188168-2	RW-2 081021	98	106	96	103
480-188168-3	EFF-46 HZ 081021	96	103	94	102
480-188168-4	Trip Blank 081021	96	103	95	100
LCS 480-592647/5	Lab Control Sample	100	102	98	99
MB 480-592647/7	Method Blank	99	102	98	100

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 480-592647/7
Matrix: Water
Analysis Batch: 592647

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			08/12/21 12:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/12/21 12:15	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/12/21 12:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/12/21 12:15	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/12/21 12:15	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/12/21 12:15	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/12/21 12:15	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/12/21 12:15	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/12/21 12:15	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/12/21 12:15	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/12/21 12:15	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/12/21 12:15	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/12/21 12:15	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/12/21 12:15	1
2-Hexanone	ND		5.0	1.2	ug/L			08/12/21 12:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/12/21 12:15	1
Acetone	ND		10	3.0	ug/L			08/12/21 12:15	1
Benzene	ND		1.0	0.41	ug/L			08/12/21 12:15	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/12/21 12:15	1
Bromoform	ND		1.0	0.26	ug/L			08/12/21 12:15	1
Bromomethane	ND		1.0	0.69	ug/L			08/12/21 12:15	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/12/21 12:15	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/12/21 12:15	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/12/21 12:15	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/12/21 12:15	1
Chloroethane	ND		1.0	0.32	ug/L			08/12/21 12:15	1
Chloroform	ND		1.0	0.34	ug/L			08/12/21 12:15	1
Chloromethane	ND		1.0	0.35	ug/L			08/12/21 12:15	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/12/21 12:15	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/12/21 12:15	1
Cyclohexane	ND		1.0	0.18	ug/L			08/12/21 12:15	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/12/21 12:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/12/21 12:15	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/12/21 12:15	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/12/21 12:15	1
Methyl acetate	ND		2.5	1.3	ug/L			08/12/21 12:15	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/12/21 12:15	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/12/21 12:15	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/12/21 12:15	1
Styrene	ND		1.0	0.73	ug/L			08/12/21 12:15	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/12/21 12:15	1
Toluene	ND		1.0	0.51	ug/L			08/12/21 12:15	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/12/21 12:15	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/12/21 12:15	1
Trichloroethene	ND		1.0	0.46	ug/L			08/12/21 12:15	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/12/21 12:15	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/12/21 12:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/12/21 12:15	1

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

Lab Sample ID: MB 480-592647/7
Matrix: Water
Analysis Batch: 592647

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*		*08/12/21 12:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*08/12/21 12:15*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*08/12/21 12:15*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*08/12/21 12:15*	*1*

Lab Sample ID: LCS 480-592647/5
Matrix: Water
Analysis Batch: 592647

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	26.0		ug/L		104	73 - 126
1,1,2,2-Tetrachloroethane	25.0	25.2		ug/L		101	76 - 120
1,1,2-Trichloroethane	25.0	23.5		ug/L		94	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	26.7		ug/L		107	61 - 148
1,1-Dichloroethane	25.0	24.4		ug/L		98	77 - 120
1,1-Dichloroethene	25.0	24.1		ug/L		96	66 - 127
1,2,4-Trichlorobenzene	25.0	22.6		ug/L		90	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	34.3	*+	ug/L		137	56 - 134
1,2-Dichlorobenzene	25.0	22.7		ug/L		91	80 - 124
1,2-Dichloroethane	25.0	21.7		ug/L		87	75 - 120
1,2-Dichloropropane	25.0	23.7		ug/L		95	76 - 120
1,3-Dichlorobenzene	25.0	22.9		ug/L		92	77 - 120
1,4-Dichlorobenzene	25.0	23.7		ug/L		95	80 - 120
2-Butanone (MEK)	125	131		ug/L		105	57 - 140
2-Hexanone	125	159		ug/L		127	65 - 127
4-Methyl-2-pentanone (MIBK)	125	133		ug/L		106	71 - 125
Acetone	125	126		ug/L		101	56 - 142
Benzene	25.0	23.2		ug/L		93	71 - 124
Bromodichloromethane	25.0	25.5		ug/L		102	80 - 122
Bromoform	25.0	29.2		ug/L		117	61 - 132
Bromomethane	25.0	24.5		ug/L		98	55 - 144
Carbon disulfide	25.0	24.7		ug/L		99	59 - 134
Carbon tetrachloride	25.0	29.4		ug/L		117	72 - 134
Chlorobenzene	25.0	23.2		ug/L		93	80 - 120
Dibromochloromethane	25.0	30.5		ug/L		122	75 - 125
Chloroethane	25.0	27.0		ug/L		108	69 - 136
Chloroform	25.0	22.4		ug/L		90	73 - 127
Chloromethane	25.0	25.0		ug/L		100	68 - 124
cis-1,2-Dichloroethene	25.0	22.4		ug/L		90	74 - 124
cis-1,3-Dichloropropene	25.0	23.9		ug/L		96	74 - 124
Cyclohexane	25.0	27.5		ug/L		110	59 - 135
Dichlorodifluoromethane	25.0	28.3		ug/L		113	59 - 135
Ethylbenzene	25.0	23.8		ug/L		95	77 - 123
1,2-Dibromoethane	25.0	25.2		ug/L		101	77 - 120
Isopropylbenzene	25.0	24.3		ug/L		97	77 - 122
Methyl acetate	50.0	48.2		ug/L		96	74 - 133
Methyl tert-butyl ether	25.0	21.9		ug/L		88	77 - 120
Methylcyclohexane	25.0	26.8		ug/L		107	68 - 134

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

Lab Sample ID: LCS 480-592647/5
Matrix: Water
Analysis Batch: 592647

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	24.4		ug/L		98	75 - 124		
Styrene			25.0	24.3		ug/L		97	80 - 120		
Tetrachloroethene			25.0	23.9		ug/L		96	74 - 122		
Toluene			25.0	23.3		ug/L		93	80 - 122		
trans-1,2-Dichloroethene			25.0	23.3		ug/L		93	73 - 127		
trans-1,3-Dichloropropene			25.0	25.4		ug/L		102	80 - 120		
Trichloroethene			25.0	23.2		ug/L		93	74 - 123		
Trichlorofluoromethane			25.0	28.3		ug/L		113	62 - 150		
Vinyl chloride			25.0	26.1		ug/L		105	65 - 133		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*
Dibromofluoromethane (Surr)	*99*		*75 - 123*

QC Association Summary

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

Job ID: 480-188168-1
SDG: South Otselic

GC/MS VOA

Analysis Batch: 592647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188168-1	RW-1 081021	Total/NA	Water	8260C	
480-188168-2	RW-2 081021	Total/NA	Water	8260C	
480-188168-3	EFF-46 HZ 081021	Total/NA	Water	8260C	
480-188168-4	Trip Blank 081021	Total/NA	Water	8260C	
MB 480-592647/7	Method Blank	Total/NA	Water	8260C	
LCS 480-592647/5	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

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

Job ID: 480-188168-1
SDG: South Otselic

Client Sample ID: RW-1 081021

Lab Sample ID: 480-188168-1

Date Collected: 08/10/21 12:40
Matrix: Water
Date Received: 08/11/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	592647	08/12/21 13:47	ATG	TAL BUF

Client Sample ID: RW-2 081021

Lab Sample ID: 480-188168-2

Date Collected: 08/10/21 12:35
Matrix: Water
Date Received: 08/11/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	592647	08/12/21 14:10	ATG	TAL BUF

Client Sample ID: EFF-46 HZ 081021

Lab Sample ID: 480-188168-3

Date Collected: 08/10/21 12:30
Matrix: Water
Date Received: 08/11/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	592647	08/12/21 14:33	ATG	TAL BUF

Client Sample ID: Trip Blank 081021

Lab Sample ID: 480-188168-4

Date Collected: 08/10/21 00:00
Matrix: Water
Date Received: 08/11/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	592647	08/12/21 14:56	ATG	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: 480-188168-1
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: 480-188168-1
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: 480-188168-1
SDG: South Otselic

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-188168-1	RW-1 081021	Water	08/10/21 12:40	08/11/21 08:00
480-188168-2	RW-2 081021	Water	08/10/21 12:35	08/11/21 08:00
480-188168-3	EFF-46 HZ 081021	Water	08/10/21 12:30	08/11/21 08:00
480-188168-4	Trip Blank 081021	Water	08/10/21 00:00	08/11/21 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 #225

Client Information	Sampler: Jason Guthowski	Lab PM: Stone, Judy L	Carrier Tracking No(s):	COC No: 480-158698-34888.1
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	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 081021	8/10/21	1240	G	Water			X		
RW-2 081021		1235	G	Water			X		
EFF-46 HZ 081021		1230	G	Water			X		
Trip Blank		—	—	Water			X		

AP 8/10/21

480-188168 Chain of Custody

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

Sample Disposal (A fee may be as… …amples 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
1		8/10/21 1535	Arcadis		8/10/21 1535	ESSL
2	Relinquished by:	Date/Time: 8.10.21 1800	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 8/11/21 0800	Company TAB

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

Cooler Temperature(s) °C and Other Remarks: 2.4 #1 IR

Ver: 06/08/2021

8/16/2021

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-188168-1
SDG Number: South Otselic

Login Number: 188168
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	2.4 #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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ANALYTICAL REPORT

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

Laboratory Job ID: 480-189646-1
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:
9/28/2021 4:52:22 PM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

Steve Hartmann, Project Manager I
(413)572-4000
Steve.Hartmann@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.

Rebecca Jones
Project Management Assistant I
9/28/2021 4:52:22 PM

Table of Contents

Definitions/Glossary

Client: New York State D.E.C.
Job ID: 480-189646-1
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

Job ID: 480-189646-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-189646-1

Comments
No additional comments.

Receipt
The samples were received on 9/16/2021 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 continuing calibration verification (CCV) analyzed in batch 480-597633 was outside the method criteria for the following analyte: 1,1,1-Trichloroethane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated. The associated samples are impacted: RW-1 091521 (480-189646-1) and RW-2 091521 (480-189646-2).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-597633 recovered above the upper control limit for Carbon tetrachloride. The samples associated with this CCV were non-detect for the affected analyte; therefore, the data have been reported. The associated samples are impacted: RW-1 091521 (480-189646-1) and RW-2 091521 (480-189646-2).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-597633 recovered above the upper control limit for 1,1,1-Trichloroethane and Carbon tetrachloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: EFF-46 HZ 091521 (480-189646-3) and TRIP BLANK (480-189646-4).

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.
Job ID: 480-189646-1
Project/Site: Gladding Corporation #709009

Client Sample ID: RW-1 091521 — Lab Sample ID: 480-189646-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	27		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	1.1		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	0.67	J	1.0	0.29	ug/L	1		8260C	Total/NA

Client Sample ID: RW-2 091521 — Lab Sample ID: 480-189646-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	27		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	0.73	J	1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	0.74	J	1.0	0.29	ug/L	1		8260C	Total/NA

Client Sample ID: EFF-46 HZ 091521 — Lab Sample ID: 480-189646-3

No Detections.

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-189646-4

No Detections.

This Detection Summary does not include radiochemical test results.

Client: New York State D.E.C.
Job ID: 480-189646-1
Project/Site: Gladding Corporation #709009

Client Sample ID: RW-1 091521
Lab Sample ID: 480-189646-1
Date Collected: 09/15/21 11:39
Matrix: Water
Date Received: 09/16/21 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	**27**		1.0	0.82	ug/L			09/24/21 01:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/24/21 01:33	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/24/21 01:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/24/21 01:33	1
1,1-Dichloroethane	**1.1**		1.0	0.38	ug/L			09/24/21 01:33	1
1,1-Dichloroethene	**0.67**	**J**	1.0	0.29	ug/L			09/24/21 01:33	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/24/21 01:33	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/24/21 01:33	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/24/21 01:33	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/24/21 01:33	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/24/21 01:33	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/24/21 01:33	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/24/21 01:33	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/24/21 01:33	1
2-Hexanone	ND		5.0	1.2	ug/L			09/24/21 01:33	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/24/21 01:33	1
Acetone	ND		10	3.0	ug/L			09/24/21 01:33	1
Benzene	ND		1.0	0.41	ug/L			09/24/21 01:33	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/24/21 01:33	1
Bromoform	ND		1.0	0.26	ug/L			09/24/21 01:33	1
Bromomethane	ND		1.0	0.69	ug/L			09/24/21 01:33	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/24/21 01:33	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/24/21 01:33	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/24/21 01:33	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/24/21 01:33	1
Chloroethane	ND		1.0	0.32	ug/L			09/24/21 01:33	1
Chloroform	ND		1.0	0.34	ug/L			09/24/21 01:33	1
Chloromethane	ND		1.0	0.35	ug/L			09/24/21 01:33	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/24/21 01:33	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/24/21 01:33	1
Cyclohexane	ND		1.0	0.18	ug/L			09/24/21 01:33	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/24/21 01:33	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/24/21 01:33	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/24/21 01:33	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/24/21 01:33	1
Methyl acetate	ND		2.5	1.3	ug/L			09/24/21 01:33	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/24/21 01:33	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/24/21 01:33	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/24/21 01:33	1
Styrene	ND		1.0	0.73	ug/L			09/24/21 01:33	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/24/21 01:33	1
Toluene	ND		1.0	0.51	ug/L			09/24/21 01:33	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/24/21 01:33	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/24/21 01:33	1
Trichloroethene	ND		1.0	0.46	ug/L			09/24/21 01:33	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/24/21 01:33	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/24/21 01:33	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/24/21 01:33	1

Client: New York State D.E.C.
Job ID: 480-189646-1
Project/Site: Gladding Corporation #709009

Client Sample ID: RW-1 091521
Lab Sample ID: 480-189646-1
Date Collected: 09/15/21 11:39
Matrix: Water
Date Received: 09/16/21 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120		09/24/21 01:33	1
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		09/24/21 01:33	1
4-Bromofluorobenzene (Surr)	95		73 - 120		09/24/21 01:33	1
Dibromofluoromethane (Surr)	103		75 - 123		09/24/21 01:33	1

Client: New York State D.E.C.
Job ID: 480-189646-1
Project/Site: Gladding Corporation #709009

Client Sample ID: RW-2 091521
Lab Sample ID: 480-189646-2
Date Collected: 09/15/21 11:35
Matrix: Water
Date Received: 09/16/21 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	**27**		1.0	0.82	ug/L			09/24/21 01:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/24/21 01:56	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/24/21 01:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/24/21 01:56	1
1,1-Dichloroethane	**0.73**	**J**	1.0	0.38	ug/L			09/24/21 01:56	1
1,1-Dichloroethene	**0.74**	**J**	1.0	0.29	ug/L			09/24/21 01:56	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/24/21 01:56	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/24/21 01:56	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/24/21 01:56	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/24/21 01:56	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/24/21 01:56	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/24/21 01:56	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/24/21 01:56	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/24/21 01:56	1
2-Hexanone	ND		5.0	1.2	ug/L			09/24/21 01:56	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/24/21 01:56	1
Acetone	ND		10	3.0	ug/L			09/24/21 01:56	1
Benzene	ND		1.0	0.41	ug/L			09/24/21 01:56	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/24/21 01:56	1
Bromoform	ND		1.0	0.26	ug/L			09/24/21 01:56	1
Bromomethane	ND		1.0	0.69	ug/L			09/24/21 01:56	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/24/21 01:56	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/24/21 01:56	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/24/21 01:56	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/24/21 01:56	1
Chloroethane	ND		1.0	0.32	ug/L			09/24/21 01:56	1
Chloroform	ND		1.0	0.34	ug/L			09/24/21 01:56	1
Chloromethane	ND		1.0	0.35	ug/L			09/24/21 01:56	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/24/21 01:56	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/24/21 01:56	1
Cyclohexane	ND		1.0	0.18	ug/L			09/24/21 01:56	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/24/21 01:56	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/24/21 01:56	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/24/21 01:56	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/24/21 01:56	1
Methyl acetate	ND		2.5	1.3	ug/L			09/24/21 01:56	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/24/21 01:56	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/24/21 01:56	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/24/21 01:56	1
Styrene	ND		1.0	0.73	ug/L			09/24/21 01:56	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/24/21 01:56	1
Toluene	ND		1.0	0.51	ug/L			09/24/21 01:56	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/24/21 01:56	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/24/21 01:56	1
Trichloroethene	ND		1.0	0.46	ug/L			09/24/21 01:56	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/24/21 01:56	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/24/21 01:56	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/24/21 01:56	1

Client: New York State D.E.C.
Job ID: 480-189646-1
Project/Site: Gladding Corporation #709009

Client Sample ID: RW-2 091521
Lab Sample ID: 480-189646-2
Date Collected: 09/15/21 11:35
Matrix: Water
Date Received: 09/16/21 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		80 - 120		09/24/21 01:56	1
1,2-Dichloroethane-d4 (Surr)	106		77 - 120		09/24/21 01:56	1
4-Bromofluorobenzene (Surr)	101		73 - 120		09/24/21 01:56	1
Dibromofluoromethane (Surr)	102		75 - 123		09/24/21 01:56	1

Client: New York State D.E.C.
Job ID: 480-189646-1
Project/Site: Gladding Corporation #709009

Client Sample ID: EFF-46 HZ 091521
Lab Sample ID: 480-189646-3
Date Collected: 09/15/21 11:30
Matrix: Water
Date Received: 09/16/21 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			09/24/21 02:20	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/24/21 02:20	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/24/21 02:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/24/21 02:20	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/24/21 02:20	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/24/21 02:20	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/24/21 02:20	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/24/21 02:20	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/24/21 02:20	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/24/21 02:20	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/24/21 02:20	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/24/21 02:20	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/24/21 02:20	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/24/21 02:20	1
2-Hexanone	ND		5.0	1.2	ug/L			09/24/21 02:20	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/24/21 02:20	1
Acetone	ND		10	3.0	ug/L			09/24/21 02:20	1
Benzene	ND		1.0	0.41	ug/L			09/24/21 02:20	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/24/21 02:20	1
Bromoform	ND		1.0	0.26	ug/L			09/24/21 02:20	1
Bromomethane	ND		1.0	0.69	ug/L			09/24/21 02:20	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/24/21 02:20	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/24/21 02:20	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/24/21 02:20	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/24/21 02:20	1
Chloroethane	ND		1.0	0.32	ug/L			09/24/21 02:20	1
Chloroform	ND		1.0	0.34	ug/L			09/24/21 02:20	1
Chloromethane	ND		1.0	0.35	ug/L			09/24/21 02:20	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/24/21 02:20	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/24/21 02:20	1
Cyclohexane	ND		1.0	0.18	ug/L			09/24/21 02:20	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/24/21 02:20	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/24/21 02:20	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/24/21 02:20	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/24/21 02:20	1
Methyl acetate	ND		2.5	1.3	ug/L			09/24/21 02:20	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/24/21 02:20	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/24/21 02:20	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/24/21 02:20	1
Styrene	ND		1.0	0.73	ug/L			09/24/21 02:20	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/24/21 02:20	1
Toluene	ND		1.0	0.51	ug/L			09/24/21 02:20	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/24/21 02:20	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/24/21 02:20	1
Trichloroethene	ND		1.0	0.46	ug/L			09/24/21 02:20	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/24/21 02:20	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/24/21 02:20	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/24/21 02:20	1

Client: New York State D.E.C.
Job ID: 480-189646-1
Project/Site: Gladding Corporation #709009

Client Sample ID: EFF-46 HZ 091521
Lab Sample ID: 480-189646-3
Date Collected: 09/15/21 11:30
Matrix: Water
Date Received: 09/16/21 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120		09/24/21 02:20	1
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		09/24/21 02:20	1
4-Bromofluorobenzene (Surr)	103		73 - 120		09/24/21 02:20	1
Dibromofluoromethane (Surr)	100		75 - 123		09/24/21 02:20	1

Client: New York State D.E.C.
Job ID: 480-189646-1
Project/Site: Gladding Corporation #709009

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-189646-4
Date Collected: 09/15/21 00:00
Matrix: Water
Date Received: 09/16/21 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			09/24/21 02:43	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/24/21 02:43	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/24/21 02:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/24/21 02:43	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/24/21 02:43	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/24/21 02:43	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/24/21 02:43	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/24/21 02:43	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/24/21 02:43	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/24/21 02:43	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/24/21 02:43	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/24/21 02:43	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/24/21 02:43	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/24/21 02:43	1
2-Hexanone	ND		5.0	1.2	ug/L			09/24/21 02:43	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/24/21 02:43	1
Acetone	ND		10	3.0	ug/L			09/24/21 02:43	1
Benzene	ND		1.0	0.41	ug/L			09/24/21 02:43	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/24/21 02:43	1
Bromoform	ND		1.0	0.26	ug/L			09/24/21 02:43	1
Bromomethane	ND		1.0	0.69	ug/L			09/24/21 02:43	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/24/21 02:43	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/24/21 02:43	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/24/21 02:43	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/24/21 02:43	1
Chloroethane	ND		1.0	0.32	ug/L			09/24/21 02:43	1
Chloroform	ND		1.0	0.34	ug/L			09/24/21 02:43	1
Chloromethane	ND		1.0	0.35	ug/L			09/24/21 02:43	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/24/21 02:43	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/24/21 02:43	1
Cyclohexane	ND		1.0	0.18	ug/L			09/24/21 02:43	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/24/21 02:43	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/24/21 02:43	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/24/21 02:43	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/24/21 02:43	1
Methyl acetate	ND		2.5	1.3	ug/L			09/24/21 02:43	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/24/21 02:43	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/24/21 02:43	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/24/21 02:43	1
Styrene	ND		1.0	0.73	ug/L			09/24/21 02:43	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/24/21 02:43	1
Toluene	ND		1.0	0.51	ug/L			09/24/21 02:43	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/24/21 02:43	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/24/21 02:43	1
Trichloroethene	ND		1.0	0.46	ug/L			09/24/21 02:43	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/24/21 02:43	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/24/21 02:43	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/24/21 02:43	1

Client: New York State D.E.C.
Job ID: 480-189646-1
Project/Site: Gladding Corporation #709009

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-189646-4
Date Collected: 09/15/21 00:00
Matrix: Water
Date Received: 09/16/21 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		80 - 120		09/24/21 02:43	1
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		09/24/21 02:43	1
4-Bromofluorobenzene (Surr)	99		73 - 120		09/24/21 02:43	1
Dibromofluoromethane (Surr)	106		75 - 123		09/24/21 02:43	1

Surrogate Summary

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

Job ID: 480-189646-1

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)
480-189646-1	RW-1 091521	99	99	95	103
480-189646-2	RW-2 091521	98	106	101	102
480-189646-3	EFF-46 HZ 091521	99	101	103	100
480-189646-4	TRIP BLANK	97	100	99	106
LCS 480-597633/6	Lab Control Sample	105	98	108	98
MB 480-597633/8	Method Blank	100	102	101	101

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 480-597633/8
Matrix: Water
Analysis Batch: 597633

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			09/24/21 01:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			09/24/21 01:09	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			09/24/21 01:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			09/24/21 01:09	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			09/24/21 01:09	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			09/24/21 01:09	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			09/24/21 01:09	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			09/24/21 01:09	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			09/24/21 01:09	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			09/24/21 01:09	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			09/24/21 01:09	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			09/24/21 01:09	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			09/24/21 01:09	1
2-Butanone (MEK)	ND		10	1.3	ug/L			09/24/21 01:09	1
2-Hexanone	ND		5.0	1.2	ug/L			09/24/21 01:09	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			09/24/21 01:09	1
Acetone	ND		10	3.0	ug/L			09/24/21 01:09	1
Benzene	ND		1.0	0.41	ug/L			09/24/21 01:09	1
Bromodichloromethane	ND		1.0	0.39	ug/L			09/24/21 01:09	1
Bromoform	ND		1.0	0.26	ug/L			09/24/21 01:09	1
Bromomethane	ND		1.0	0.69	ug/L			09/24/21 01:09	1
Carbon disulfide	ND		1.0	0.19	ug/L			09/24/21 01:09	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			09/24/21 01:09	1
Chlorobenzene	ND		1.0	0.75	ug/L			09/24/21 01:09	1
Dibromochloromethane	ND		1.0	0.32	ug/L			09/24/21 01:09	1
Chloroethane	ND		1.0	0.32	ug/L			09/24/21 01:09	1
Chloroform	ND		1.0	0.34	ug/L			09/24/21 01:09	1
Chloromethane	ND		1.0	0.35	ug/L			09/24/21 01:09	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			09/24/21 01:09	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			09/24/21 01:09	1
Cyclohexane	ND		1.0	0.18	ug/L			09/24/21 01:09	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			09/24/21 01:09	1
Ethylbenzene	ND		1.0	0.74	ug/L			09/24/21 01:09	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			09/24/21 01:09	1
Isopropylbenzene	ND		1.0	0.79	ug/L			09/24/21 01:09	1
Methyl acetate	ND		2.5	1.3	ug/L			09/24/21 01:09	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			09/24/21 01:09	1
Methylcyclohexane	ND		1.0	0.16	ug/L			09/24/21 01:09	1
Methylene Chloride	ND		1.0	0.44	ug/L			09/24/21 01:09	1
Styrene	ND		1.0	0.73	ug/L			09/24/21 01:09	1
Tetrachloroethene	ND		1.0	0.36	ug/L			09/24/21 01:09	1
Toluene	ND		1.0	0.51	ug/L			09/24/21 01:09	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			09/24/21 01:09	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			09/24/21 01:09	1
Trichloroethene	ND		1.0	0.46	ug/L			09/24/21 01:09	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			09/24/21 01:09	1
Vinyl chloride	ND		1.0	0.90	ug/L			09/24/21 01:09	1
Xylenes, Total	ND		2.0	0.66	ug/L			09/24/21 01:09	1

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

Lab Sample ID: MB 480-597633/8
Matrix: Water
Analysis Batch: 597633

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*100*		*80 - 120*		*09/24/21 01:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*09/24/21 01:09*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*09/24/21 01:09*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*09/24/21 01:09*	*1*

Lab Sample ID: LCS 480-597633/6
Matrix: Water
Analysis Batch: 597633

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	28.2		ug/L		113	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.8		ug/L		95	76 - 120
1,1,2-Trichloroethane	25.0	25.8		ug/L		103	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	26.3		ug/L		105	61 - 148
1,1-Dichloroethane	25.0	26.2		ug/L		105	77 - 120
1,1-Dichloroethene	25.0	25.1		ug/L		100	66 - 127
1,2,4-Trichlorobenzene	25.0	27.2		ug/L		109	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	27.8		ug/L		111	56 - 134
1,2-Dichlorobenzene	25.0	25.7		ug/L		103	80 - 124
1,2-Dichloroethane	25.0	24.7		ug/L		99	75 - 120
1,2-Dichloropropane	25.0	24.9		ug/L		99	76 - 120
1,3-Dichlorobenzene	25.0	25.3		ug/L		101	77 - 120
1,4-Dichlorobenzene	25.0	26.2		ug/L		105	80 - 120
2-Butanone (MEK)	125	114		ug/L		91	57 - 140
2-Hexanone	125	122		ug/L		98	65 - 127
4-Methyl-2-pentanone (MIBK)	125	125		ug/L		100	71 - 125
Acetone	125	117		ug/L		94	56 - 142
Benzene	25.0	24.7		ug/L		99	71 - 124
Bromodichloromethane	25.0	27.9		ug/L		112	80 - 122
Bromoform	25.0	30.1		ug/L		120	61 - 132
Bromomethane	25.0	23.7		ug/L		95	55 - 144
Carbon disulfide	25.0	26.1		ug/L		104	59 - 134
Carbon tetrachloride	25.0	31.1		ug/L		124	72 - 134
Chlorobenzene	25.0	26.3		ug/L		105	80 - 120
Dibromochloromethane	25.0	30.9		ug/L		123	75 - 125
Chloroethane	25.0	27.0		ug/L		108	69 - 136
Chloroform	25.0	23.9		ug/L		96	73 - 127
Chloromethane	25.0	24.4		ug/L		98	68 - 124
cis-1,2-Dichloroethene	25.0	25.6		ug/L		102	74 - 124
cis-1,3-Dichloropropene	25.0	28.0		ug/L		112	74 - 124
Cyclohexane	25.0	28.0		ug/L		112	59 - 135
Dichlorodifluoromethane	25.0	27.0		ug/L		108	59 - 135
Ethylbenzene	25.0	27.1		ug/L		108	77 - 123
1,2-Dibromoethane	25.0	27.3		ug/L		109	77 - 120
Isopropylbenzene	25.0	26.6		ug/L		106	77 - 122
Methyl acetate	50.0	46.2		ug/L		92	74 - 133
Methyl tert-butyl ether	25.0	25.7		ug/L		103	77 - 120
Methylcyclohexane	25.0	27.2		ug/L		109	68 - 134

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

Lab Sample ID: LCS 480-597633/6
Matrix: Water
Analysis Batch: 597633

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	25.4		ug/L		102	75 - 124		
Styrene			25.0	27.5		ug/L		110	80 - 120		
Tetrachloroethene			25.0	27.3		ug/L		109	74 - 122		
Toluene			25.0	26.4		ug/L		105	80 - 122		
trans-1,2-Dichloroethene			25.0	26.7		ug/L		107	73 - 127		
trans-1,3-Dichloropropene			25.0	28.0		ug/L		112	80 - 120		
Trichloroethene			25.0	27.0		ug/L		108	74 - 123		
Trichlorofluoromethane			25.0	26.4		ug/L		106	62 - 150		
Vinyl chloride			25.0	27.0		ug/L		108	65 - 133		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*105*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*
Dibromofluoromethane (Surr)	*98*		*75 - 123*

QC Association Summary

Client: New York State D.E.C.
Job ID: 480-189646-1
Project/Site: Gladding Corporation #709009

GC/MS VOA

Analysis Batch: 597633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-189646-1	RW-1 091521	Total/NA	Water	8260C	
480-189646-2	RW-2 091521	Total/NA	Water	8260C	
480-189646-3	EFF-46 HZ 091521	Total/NA	Water	8260C	
480-189646-4	TRIP BLANK	Total/NA	Water	8260C	
MB 480-597633/8	Method Blank	Total/NA	Water	8260C	
LCS 480-597633/6	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

Client: New York State D.E.C.
Job ID: 480-189646-1
Project/Site: Gladding Corporation #709009

Client Sample ID: RW-1 091521
Lab Sample ID: 480-189646-1
Date Collected: 09/15/21 11:39
Matrix: Water
Date Received: 09/16/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	597633	09/24/21 01:33	OMI	TAL BUF

Client Sample ID: RW-2 091521
Lab Sample ID: 480-189646-2
Date Collected: 09/15/21 11:35
Matrix: Water
Date Received: 09/16/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	597633	09/24/21 01:56	OMI	TAL BUF

Client Sample ID: EFF-46 HZ 091521
Lab Sample ID: 480-189646-3
Date Collected: 09/15/21 11:30
Matrix: Water
Date Received: 09/16/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	597633	09/24/21 02:20	OMI	TAL BUF

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-189646-4
Date Collected: 09/15/21 00:00
Matrix: Water
Date Received: 09/16/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	597633	09/24/21 02:43	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.
Job ID: 480-189646-1
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: 480-189646-1
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: 480-189646-1
Project/Site: Gladding Corporation #709009

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-189646-1	RW-1 091521	Water	09/15/21 11:39	09/16/21 08:00
480-189646-2	RW-2 091521	Water	09/15/21 11:35	09/16/21 08:00
480-189646-3	EFF-46 HZ 091521	Water	09/15/21 11:30	09/16/21 08:00
480-189646-4	TRIP BLANK	Water	09/15/21 00:00	09/16/21 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 #225

Client Information	Sampler: Jason Gutkowski	Lab PM: Stone, Judy L	Carrier Tracking No(s):	COC No: 480-158699-34888.1
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	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 091521	9/15/21	1139	G	Water			X		
RW-2 091521	↓	1135	↓	Water			X		
EFF-46 HZ 091521	↓	1130	↓	Water			X		
Trip Blank	—	—	↓	Water			X		

480-189646 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
1	Jason Gutkowski	9/15/21 1454	Arcadis	R. English	9-17-21, 14:54	Eyr
2	R. English	9-17-21, 1900	Eyr		9-16-21 800	TAB
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Cooler Temperature(s) °C and Other Remarks: 2.4 ICE

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-189646-1

Login Number: 189646

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Yeager, Brian A

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.	True	
Chlorine Residual checked.	N/A	

Arcadis of New York, Inc.

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Clifton Park, New York 12065

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