ARCADIS Design & Consultancy for natural and built assets

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

First Quarter 2021

May 2021

GLADDING CORDAGE SITE QUARTERLY REPORT

First Quarter 2021

Andy Vitolins, P.G.

Vice President

Jeremy Wyckoff, P.G.

Senior Geologist

Prepared for:

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

625 Broadway

Albany, NY 12233-7011

Prepared by:

Arcadis U.S., Inc.

855 Route 146

Suite 210

Clifton Park

New York 12065

Tel 518 250 7300

Fax 518 371 2757

Our Ref.:

30055695

Date:

May 2021

CONTENTS

Acronyms and Abbreviations ii

1 Introduction 1

2 Site Description 2

3 Operation and Maintenance 3

3.1 Treatment Process Overview 3

3.2 Treatment Plant Operation 3

3.3 Treatment System Sampling 4

3.3.1 Influent Sample Results 4

3.3.2 Effluent Sample Results 4

4 Water Monitoring Program 4

5 Recommendations 5

6 Summary 6

7 References 7

TABLES

Table 3-1 Treatment System Status and Flow Summary

Table 3-2 Groundwater Treatment System VOCs (RW-1)

Table 3-3 Groundwater Treatment System VOCs (RW-2)

Table 3-4 Groundwater Treatment System VOCs (Effluent)

FIGURES

Figure 2-1 Site Location

Figure 3-1 Treatment System Influent Sample Concentrations (1,1,1-TCA)

APPENDICES

Appendix A O&M Checklists

Appendix B Analytical Reports

ACRONYMS AND ABBREVIATIONS

Arcadis	Arcadis of New York, Inc.
amsl	above mean sea level
Ft	feet
GES	Groundwater and Environmental Services, Inc.
GPM	gallons per minute
HZ	hertz
µg/L	micrograms per liter
NYSDEC	New York State Department of Environmental Conservation
O&M	operation and maintenance
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 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 first 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).

3.1 Treatment Process Overview

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

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

3.2 Treatment Plant Operation

The groundwater treatment system has operated continuously from April 2007 until present, except for minor shutdowns for routine maintenance, power outages, and/or system upgrades. As shown in the O&M Checklist and Operation Logs (Appendix A), the Gladding Cordage groundwater treatment system was intermittently shut down on January 20, 2021 due to a RW-1 failure alarm; the system was inspected and reset remotely. This resulted in system runtimes of 98 percent (%) in January. The system was also intermittently shut down in February and March 2021 due to similar well related alarms. The corresponding system runtimes were 95% and 90%, respectively.

The average monthly flow rates and total flow volumes for the first 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 18.5 gallons per minute (GPM). The average flow from RW-2 was 20.2 GPM. Based on the total flow

values, approximately 4.6 million gallons of water were treated and discharged to the Otselic River between January and March 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 B.

3.3.1 Influent Sample Results

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

Table 3-2 shows that the concentrations of 1,1,1-TCA reported in samples from recovery well RW-1 were 39 micrograms per liter (µg/L) in January 2021, 35 µg/L in February 2021, and 39 µg/L in March 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 28 µg/L in January 2021 and February 2021, and 30 µg/L in March 2021. As shown in Table 3-3, 1,1-DCA, 1,1-DCE were detected in the first quarter 2021 samples from RW-2. Consistent with previous results, the concentrations of these compounds were less than the NYSDEC Class GA standard of 5 µg/L.

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

3.3.2 Effluent Sample Results

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

Based on influent sample concentrations and total flow volumes from the Gladding Cordage treatment system, approximately 1.4 pounds of VOCs were removed by the treatment system during the first 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 first quarter 2021 due to well failure alarms. The average total flow through the treatment system during the first quarter 2021 was approximately 38.7 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 1.4 pounds of VOCs were removed by the treatment system during the first quarter 2021.

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

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

7 REFERENCES

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

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

TABLES

FIGURES

APPENDIX A

O&M Checklists

APPENDIX B

Analytical Reports

ARCADIS Design & Consultancy for natural and built assets

Arcadis U.S., Inc.

855 Route 146

Suite 210

Clifton Park, New York 12065

Tel 518 250 7300

Fax 518 371 2757

www.arcadis.com

TABLES

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

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

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

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

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

Definitions:
gpm - Gallons per minute
* - flow meter not reading properly
% - 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-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:
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-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	4,843,220
November-20	27	90%	100%	100%	21.3	21.8	79,287,948	84,619,910	740,971	774,988	1,515,959	
December-20	27	87%	100%	100%	21.4	22.0	79,385,092	84,619,910	838,115	856,465	1,694,580	
Total Flow 2020					**17.6**	**21.4**			**8,545,076**	**10,024,989**	**18,570,065**	

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		Flow Rates		Totalizer	Totalizer	Recovery Well Total Flows		Total System Flow (gallons)	Quarterly Totals (gallons)
			RW-1 (% possible)	RW-2 (% possible)	RW-1 (gpm)	RW-2 (gpm)	RW-1 (gallons)	RW-2 (gallons)	RW-1 (gallons)	RW-2 (gallons)		
January-21	31	98%	100%	100%	21.0	20.6	80,285,492	85,506,856	900,400	886,946	1,787,346	4,666,721
February-21	28	95%	100%	100%	19.3	20.0	81,027,627	86,284,504	742,135	777,648	1,519,783	
March-21	28	90%	100%	100%	15.3	19.9	81,609,909	86,284,504	582,282	777,310	1,359,592	
Total Flow 2021					**18.5**	**20.2**			**2,224,817**	**2,441,904**	**4,666,721**	

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

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 UR-06	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
cis-1,3-Dichloropropene	0.4	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Ethyl Benzene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
m/p-Xylenes	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methyl tert-butyl Ether	10	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methylene Chloride	5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
o-Xylene	5.0*	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Tetrachloroethene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Toluene	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
trans-1,3-Dichloropropene	0.4	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Trichloroethene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Trichlorofluoromethane	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Vinyl Chloride	2.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total VOCs		40.34	42.47	39.07	43.75	44.49	47.8	49.59	49.7	38.16	38.58

Definitions:
* - NYSDEC Principal Organic Contaminant Standard of 5 µg/L applies to this compound.
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
Volatile Organic Compounds (µg/L)				
1,1,1-Trichloroethane	5.0	**39**	**35**	**39**
1,1,2,2-Tetrachloroethane	5.0	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1.0	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	5.0*	1.3	1.2	1.3
1,1-Dichloroethene	5.0	0.82 J	0.79 J	1.0 J
1,2-Dichlorobenzene	3.0	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	1.0	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	3.0	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	3.0	1.0 U	1.0 U	1.0 U
Benzene	1.0	1.0 U	1.0 U	1.0 U
Bromodichloromethane	50	1.0 U	1.0 U	1.0 U
Bromoform	50	1.0 U	1.0 U	1.0 U
Bromomethane	5.0	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride	5.0	1.0 U	1.0 U	1.0 U
Chlorobenzene	5.0	1.0 U	1.0 U	1.0 U
Chloroethane	5.0	1.0 U	1.0 U	1.0 U
Chloroform	7.0	1.0 U	1.0 U	1.0 U
Chloromethane	5.0	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	0.4	1.0 U	1.0 U	1.0 U
Ethyl Benzene	5.0	1.0 U	1.0 U	1.0 U
m/p-Xylenes	5.0	1.0 U	1.0 U	1.0 U
Methyl tert-butyl Ether	10	1.0 U	1.0 U	1.0 U
Methylene Chloride	5.0	1.0 U	1.0 U	1.0 U
o-Xylene	5.0*	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5.0	1.0 U	1.0 U	1.0 U
Toluene	5.0	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5.0	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	0.4	1.0 U	1.0 U	1.0 U
Trichloroethene	5.0	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	5.0	1.0 U	1.0 U	1.0 U
Vinyl Chloride	2.0	1.0 U	1.0 U	1.0 U
Total VOCs		41.12	36.99	41.3

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 JB	1.0 U	1.0 U
o-Xylene	5.0*	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5.0	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5.0	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	0.4	2.0 U	2.0 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5.0	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	5.0	2.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Chloride	2.0	2.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total VOCs		29.62	31.24	26	25.22	30.4	44.8	29.6	30.5	33.3	34.1	30.3	31.1

Definitions:
* - NYSDEC Principal Organic Contaminant Standard of 5 µg/L applies to this compound.
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	RW-2 1/12/2021	RW-2 2/9/2021	RW-2 3/9/2021
Volatile Organic Compounds (µg/L)				
1,1,1-Trichloroethane	5.0	**28**	**28**	**30**
1,1,2,2-Tetrachloroethane	5.0	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1.0	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	5.0*	0.56 J	0.67 J	0.65 U
1,1-Dichloroethene	5.0	0.58 J	0.52 J	0.77 U
1,2-Dichlorobenzene	3.0	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	1.0	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	3.0	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	3.0	1.0 U	1.0 U	1.0 U
Benzene	1.0	1.0 U	1.0 U	1.0 U
Bromodichloromethane	50	1.0 U	1.0 U	1.0 U
Bromoform	50	1.0 U	1.0 U	1.0 U
Bromomethane	5.0	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride	5.0	1.0 U	1.0 U	1.0 U
Chlorobenzene	5.0	1.0 U	1.0 U	1.0 U
Chloroethane	5.0	1.0 U	1.0 U	1.0 U
Chloroform	7.0	1.0 U	1.0 U	1.0 U
Chloromethane	5.0	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	0.4	1.0 U	1.0 U	1.0 U
Ethyl Benzene	5.0	1.0 U	1.0 U	1.0 U
m/p-Xylenes	5.0	1.0 U	1.0 U	1.0 U
Methyl tert-butyl Ether	10	1.0 U	1.0 U	1.0 U
Methylene Chloride	5.0	1.0 U	1.0 U	1.0 U
o-Xylene	5.0*	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5.0	1.0 U	1.0 U	1.0 U
Toluene	5.0	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5.0	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	0.4	1.0 U	1.0 U	1.0 U
Trichloroethene	5.0	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	5.0	1.0 U	1.0 U	1.0 U
Vinyl Chloride	2.0	1.0 U	1.0 U	1.0 U
Total VOCs		29.14	29.19	31.42

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

Definitions:
* - NYSDEC Principal Organic Contaminant Standard of 5 µg/L applies to this compound.
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	0.60 J B	5.0 U	5.0 U
o-Xylene	5.0*	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Tetrachloroethene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Toluene	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
trans-1,3-Dichloropropene	0.4	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Trichloroethene	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Trichlorofluoromethane	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Vinyl Chloride	2.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total VOCs		ND	ND	ND	ND	ND	ND	ND	ND	ND	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) 1/12/2021	EFF(46HZ) 2/9/2021	EFF(46HZ) 3/9/3021
Volatile Organic Compounds (µg/L)				
1,1,1-Trichloroethane	5.0	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	5.0	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1.0	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	5.0*	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	5.0	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	3.0	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	1.0	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	3.0	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	3.0	1.0 U	1.0 U	1.0 U
Benzene	1.0	1.0 U	1.0 U	1.0 U
Bromodichloromethane	50	1.0 U	1.0 U	1.0 U
Bromoform	50	1.0 U	1.0 U	1.0 U
Bromomethane	5.0	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride	5.0	1.0 U	1.0 U	1.0 U
Chlorobenzene	5.0	1.0 U	1.0 U	1.0 U
Chloroethane	5.0	1.0 U	1.0 U	1.0 U
Chloroform	7.0	1.0 U	1.0 U	1.0 U
Chloromethane	5.0	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	0.4	1.0 U	1.0 U	1.0 U
Dibromochloromethane	50	1.0 U	1.0 U	1.0 U
Ethyl Benzene	5.0	1.0 U	1.0 U	1.0 U
m/p-Xylenes	5.0	1.0 U	1.0 U	1.0 U
Methyl tert-butyl Ether	10	1.0 U	1.0 U	1.0 U
Methylene Chloride	5.0	1.0 U	1.0 U	1.0 U
o-Xylene	5.0*	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5.0	1.0 U	1.0 U	1.0 U
Toluene	5.0	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5.0	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	0.4	1.0 U	1.0 U	1.0 U
Trichloroethene	5.0	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	5.0	1.0 U	1.0 U	1.0 U
Vinyl Chloride	2.0	1.0 U	1.0 U	1.0 U
Total VOCs		ND	ND	ND

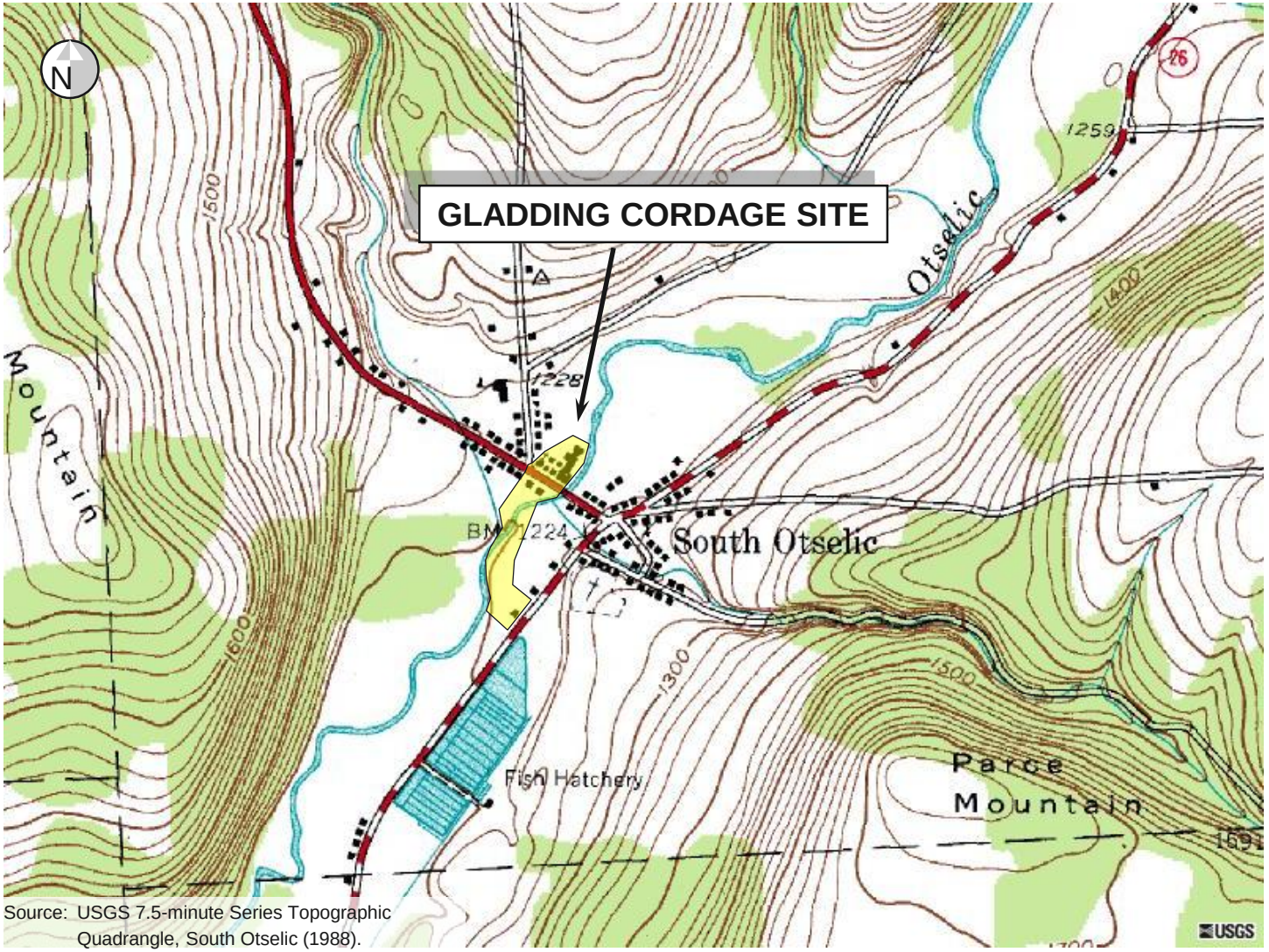
Definitions:
* - NYSDEC Principal Organic Contaminant Standard of 5 µg/L applies to this compound.
B - Compound was found in the blank and sample
J - Compound was detected below the reporting limit or concentration is estimated for TICS.
NA - Not analyzed
ND - Non-detect
NYSDEC - New York State Department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

FIGURES

Figure 2-1
Site Location

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

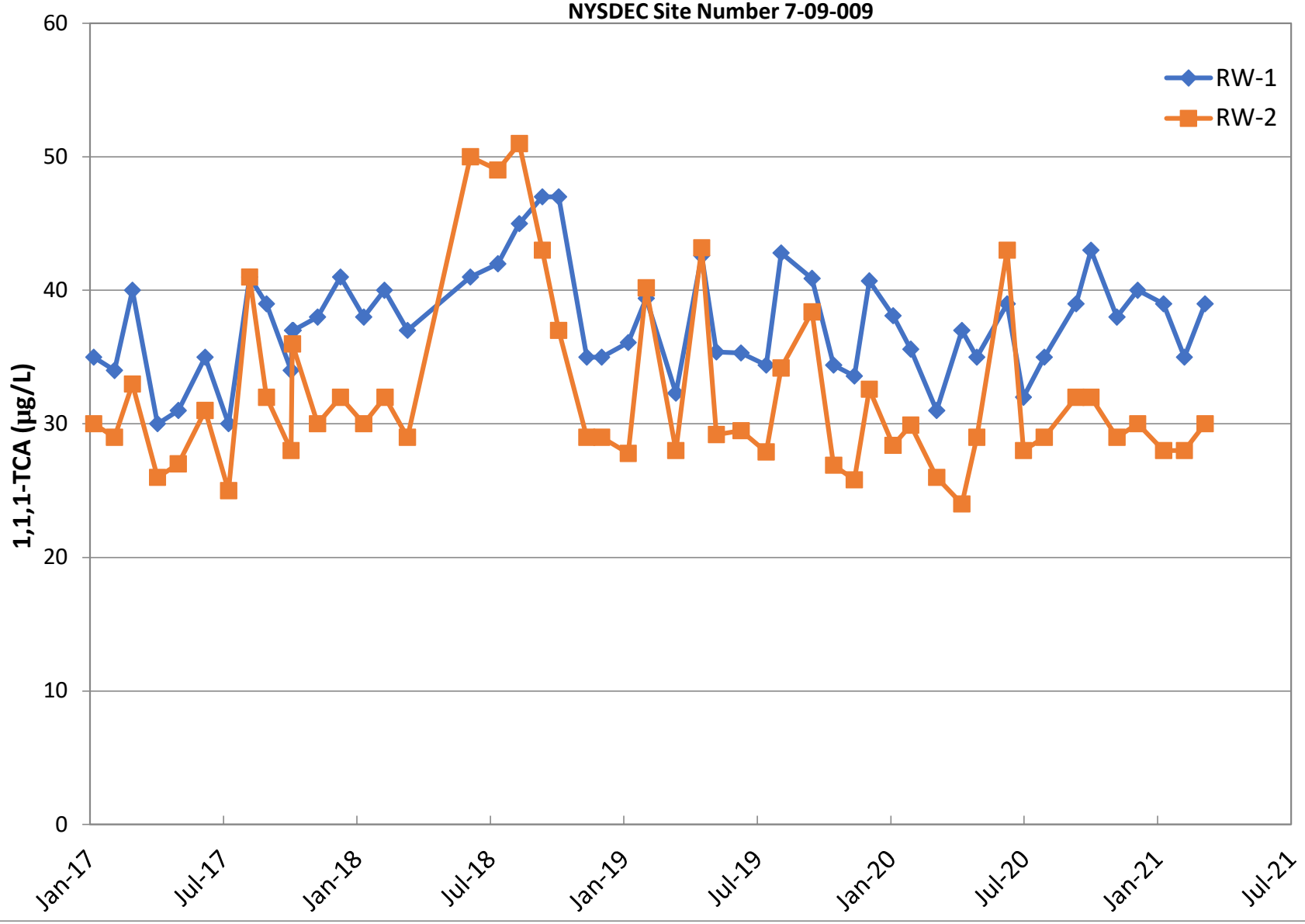


Source: USGS 7.5-minute Series Topographic Quadrangle, South Otselic (1988).

0 2,000 ft

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

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



APPENDIX A

O&M Checklists

Gladding Cordage		Date	1/12/21
South Otselic, New York		Inspector	G. Ernst
NYSDEC Site #709009		Time	0900

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

Recovery Wells	**RW-1**	**RW-2**
Flow Rate (GPM	21.1	21.9
Total Flow (Gallons)	1913543	1973417
Water Level (Feet Above Probe)	24.59	54.60
Probe Depth (Feet BTOC)		

Air Stripper			
Blower VFD Setting (Hertz)	46.0	Intake/Exhaust Piping OK? (Y/N)	Y
System Pressure (inches water)	10.7	Water Leaks (Y/N)	N
Influent/Effluent Piping OK? (Y/N)	Y	Water Temperature (°F)	50°

Heat Exchanger			
Heat (On/Off)	ON	Building Temperature (°F)	60.6
Heat Exchanger Flow (GPM)	0.0	Heat Exchanger Pressure (PSI)	2.5

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

Notes:

Sampled: RW-1 - 0910
RW-1-MS - ~~0920~~ 0910
RW-1-MSD - ~~0930~~ 0910

RW-2 - 0920
EFF 46 HZ - 0930

Site walk and well inspection: Site is snow covered

System inspection: System Running Normally. 12" blower intake hose (stainless steel flex hose) separating at transition fittings, duct tape applied to hold seams.

Gladding Cordage
South Otselic, New York
NYSDEC Site #709009

Date: 2/9/21
Inspector: G. Ernst
Time: 0900

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

Recovery Wells	RW-1	RW-2
Flow Rate (GPM	18.8	20.3
Total Flow (Gallons)	828721	810627
Water Level (Feet Above Probe)	24.20	54.56
Probe Depth (Feet BTOC)	-	-

Air Stripper			
Blower VFD Setting (Hertz)	46.0	Intake/Exhaust Piping OK? (Y/N)	Y
System Pressure (inches water)	10.7	Water Leaks (Y/N)	N
Influent/Effluent Piping OK? (Y/N)	Y	Water Temperature (°F)	45°

Heat Exchanger			
Heat (On/Off)	ON	Building Temperature (°F)	62.5
Heat Exchanger Flow (GPM)	0.0	Heat Exchanger Pressure (PSI)	2.1

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

Notes:

Sampled: RW-1 - 1030 - clear, no odor
RW-1-MS - 1030
RW-1-MSD - 1030

RW-2 - 1040 - clear, no odor
EFF 46 HZ - 1050 clear, no odor

Site walk and well inspection: ~ 1' snow cover
System inspection: operating Normally, Network connection not working, Reboot modem for 30 seconds and began operating properly.

Gladding Cordage
South Otselic, New York
NYSDEC Site #709009

Date: 3/9/21
Inspector: G. ERNST
Time: 1300

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

Recovery Wells	RW-1	RW-2
Flow Rate (GPM	15.2	21.2
Total Flow (Gallons)	1543681	1608075
Water Level (Feet Above Probe)	24.91	54.58
Probe Depth (Feet BTOC)	NA	NA

Air Stripper			
Blower VFD Setting (Hertz)	46.0	Intake/Exhaust Piping OK? (Y/N)	Y
System Pressure (inches water)	10.5	Water Leaks (Y/N)	N
Influent/Effluent Piping OK? (Y/N)	Y	Water Temperature (°F)	50°

Heat Exchanger			
Heat (On/Off)	on	Building Temperature (°F)	64.9
Heat Exchanger Flow (GPM)	0.0	Heat Exchanger Pressure (PSI)	2.1

General Building/Site			
Building Condition OK? (Y/N)	Y	Circuit Breakers Checked (Y/N)	Y
Grass Mowed (Y/N)	NA - Snow	Outfall Condition OK? (Y/N)	Y
Monitoring Wells OK? (Y/N)	Site snow covered	Samples Collected (Y/N)	Y

Notes:

Sampled: RW-1 - Collect 1330 - clear, No odor
RW-1-MS - " " " "
RW-1-MSD - " " " "

RW-2 - Collected 1320, clear, no odor
EFF 46 HZ - Collected 1315, clear, no odor

Site walk and well inspection: Site continues to have ~ 1' snow cover
System inspection: system operating normally, no concerns noted.

APPENDIX B

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: 480-180124-1
Client Project/Site: Gladding Corporation #709009

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

Attn: Mr. Payson Long

Judy Stone

Authorized for release by:
1/22/2021 5:09:50 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
1/22/2021 5:09:50 PM

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Detection Summary 6
Client Sample Results 7
Surrogate Summary 15
QC Sample Results 16
QC Association Summary 21
Lab Chronicle 22
Certification Summary 23
Method Summary 24
Sample Summary 25
Chain of Custody 26
Receipt Checklists 27

Definitions/Glossary

Client: New York State D.E.C.
Job ID: 480-180124-1
Project/Site: Gladding Corporation #709009

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits
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: 480-180124-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-180124-1

Receipt
The samples were received on 1/13/2021 11:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.8º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-566074 recovered outside acceptance criteria, low biased, for Carbon disulfide, 2-Hexanone, and 2-Butanone (MEK). A reporting limit (RL) standard was analyzed, and the target analytes were detected. Since the associated samples were non-detect for these analytes, the data have been reported. The following samples were affected : RW-1 (480-180124-1), RW-2 (480-180124-2), EFFLUENT 46 Hz (480-180124-3) and Trip Blank (480-180124-4).

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: 480-180124-1
Project/Site: Gladding Corporation #709009

Client Sample ID: RW-1 — Lab Sample ID: 480-180124-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	39		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	1.3		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: RW-2 — Lab Sample ID: 480-180124-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	28		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	0.56	J	1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	0.58	J	1.0	0.29	ug/L	1		8260C	Total/NA

Client Sample ID: EFFLUENT 46 Hz — Lab Sample ID: 480-180124-3

No Detections.

Client Sample ID: Trip Blank — Lab Sample ID: 480-180124-4

No Detections.

This Detection Summary does not include radiochemical test results.

Client: New York State D.E.C.
Job ID: 480-180124-1
Project/Site: Gladding Corporation #709009

Client Sample ID: RW-1
Lab Sample ID: 480-180124-1
Date Collected: 01/12/21 09:10
Matrix: Water
Date Received: 01/13/21 11:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**39**		1.0	0.82	ug/L			01/14/21 15:36	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/14/21 15:36	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/14/21 15:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/14/21 15:36	1
1,1-Dichloroethane	**1.3**		1.0	0.38	ug/L			01/14/21 15:36	1
1,1-Dichloroethene	**0.82**	**J**	1.0	0.29	ug/L			01/14/21 15:36	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/14/21 15:36	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/14/21 15:36	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/14/21 15:36	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/14/21 15:36	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/14/21 15:36	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/14/21 15:36	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/14/21 15:36	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/14/21 15:36	1
2-Hexanone	ND	F2	5.0	1.2	ug/L			01/14/21 15:36	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/14/21 15:36	1
Acetone	ND		10	3.0	ug/L			01/14/21 15:36	1
Benzene	ND		1.0	0.41	ug/L			01/14/21 15:36	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/14/21 15:36	1
Bromoform	ND		1.0	0.26	ug/L			01/14/21 15:36	1
Bromomethane	ND		1.0	0.69	ug/L			01/14/21 15:36	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/14/21 15:36	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/14/21 15:36	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/14/21 15:36	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/14/21 15:36	1
Chloroethane	ND		1.0	0.32	ug/L			01/14/21 15:36	1
Chloroform	ND		1.0	0.34	ug/L			01/14/21 15:36	1
Chloromethane	ND		1.0	0.35	ug/L			01/14/21 15:36	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/14/21 15:36	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/14/21 15:36	1
Cyclohexane	ND		1.0	0.18	ug/L			01/14/21 15:36	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/14/21 15:36	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/14/21 15:36	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/14/21 15:36	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/14/21 15:36	1
Methyl acetate	ND		2.5	1.3	ug/L			01/14/21 15:36	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/14/21 15:36	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/14/21 15:36	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/14/21 15:36	1
Styrene	ND		1.0	0.73	ug/L			01/14/21 15:36	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/14/21 15:36	1
Toluene	ND		1.0	0.51	ug/L			01/14/21 15:36	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/14/21 15:36	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/14/21 15:36	1
Trichloroethene	ND		1.0	0.46	ug/L			01/14/21 15:36	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/14/21 15:36	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/14/21 15:36	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/14/21 15:36	1

Client: New York State D.E.C.
Job ID: 480-180124-1
Project/Site: Gladding Corporation #709009

Client Sample ID: RW-1
Lab Sample ID: 480-180124-1
Date Collected: 01/12/21 09:10
Matrix: Water
Date Received: 01/13/21 11:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	92		80 - 120		01/14/21 15:36	1
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		01/14/21 15:36	1
4-Bromofluorobenzene (Surr)	99		73 - 120		01/14/21 15:36	1
Dibromofluoromethane (Surr)	101		75 - 123		01/14/21 15:36	1

Client: New York State D.E.C.
Job ID: 480-180124-1
Project/Site: Gladding Corporation #709009

Client Sample ID: RW-2
Lab Sample ID: 480-180124-2
Date Collected: 01/12/21 09:20
Matrix: Water
Date Received: 01/13/21 11:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**28**		1.0	0.82	ug/L			01/14/21 16:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/14/21 16:01	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/14/21 16:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/14/21 16:01	1
1,1-Dichloroethane	**0.56**	**J**	1.0	0.38	ug/L			01/14/21 16:01	1
1,1-Dichloroethene	**0.58**	**J**	1.0	0.29	ug/L			01/14/21 16:01	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/14/21 16:01	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/14/21 16:01	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/14/21 16:01	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/14/21 16:01	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/14/21 16:01	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/14/21 16:01	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/14/21 16:01	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/14/21 16:01	1
2-Hexanone	ND		5.0	1.2	ug/L			01/14/21 16:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/14/21 16:01	1
Acetone	ND		10	3.0	ug/L			01/14/21 16:01	1
Benzene	ND		1.0	0.41	ug/L			01/14/21 16:01	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/14/21 16:01	1
Bromoform	ND		1.0	0.26	ug/L			01/14/21 16:01	1
Bromomethane	ND		1.0	0.69	ug/L			01/14/21 16:01	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/14/21 16:01	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/14/21 16:01	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/14/21 16:01	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/14/21 16:01	1
Chloroethane	ND		1.0	0.32	ug/L			01/14/21 16:01	1
Chloroform	ND		1.0	0.34	ug/L			01/14/21 16:01	1
Chloromethane	ND		1.0	0.35	ug/L			01/14/21 16:01	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/14/21 16:01	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/14/21 16:01	1
Cyclohexane	ND		1.0	0.18	ug/L			01/14/21 16:01	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/14/21 16:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/14/21 16:01	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/14/21 16:01	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/14/21 16:01	1
Methyl acetate	ND		2.5	1.3	ug/L			01/14/21 16:01	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/14/21 16:01	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/14/21 16:01	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/14/21 16:01	1
Styrene	ND		1.0	0.73	ug/L			01/14/21 16:01	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/14/21 16:01	1
Toluene	ND		1.0	0.51	ug/L			01/14/21 16:01	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/14/21 16:01	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/14/21 16:01	1
Trichloroethene	ND		1.0	0.46	ug/L			01/14/21 16:01	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/14/21 16:01	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/14/21 16:01	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/14/21 16:01	1

Client: New York State D.E.C.
Job ID: 480-180124-1
Project/Site: Gladding Corporation #709009

Client Sample ID: RW-2
Lab Sample ID: 480-180124-2
Date Collected: 01/12/21 09:20
Matrix: Water
Date Received: 01/13/21 11:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	90		80 - 120		01/14/21 16:01	1
1,2-Dichloroethane-d4 (Surr)	96		77 - 120		01/14/21 16:01	1
4-Bromofluorobenzene (Surr)	98		73 - 120		01/14/21 16:01	1
Dibromofluoromethane (Surr)	96		75 - 123		01/14/21 16:01	1

Client: New York State D.E.C.
Job ID: 480-180124-1
Project/Site: Gladding Corporation #709009

Client Sample ID: EFFLUENT 46 Hz
Lab Sample ID: 480-180124-3
Date Collected: 01/12/21 09:30
Matrix: Water
Date Received: 01/13/21 11:00

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			01/14/21 16:26	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/14/21 16:26	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/14/21 16:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/14/21 16:26	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/14/21 16:26	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/14/21 16:26	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/14/21 16:26	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/14/21 16:26	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/14/21 16:26	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/14/21 16:26	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/14/21 16:26	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/14/21 16:26	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/14/21 16:26	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/14/21 16:26	1
2-Hexanone	ND		5.0	1.2	ug/L			01/14/21 16:26	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/14/21 16:26	1
Acetone	ND		10	3.0	ug/L			01/14/21 16:26	1
Benzene	ND		1.0	0.41	ug/L			01/14/21 16:26	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/14/21 16:26	1
Bromoform	ND		1.0	0.26	ug/L			01/14/21 16:26	1
Bromomethane	ND		1.0	0.69	ug/L			01/14/21 16:26	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/14/21 16:26	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/14/21 16:26	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/14/21 16:26	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/14/21 16:26	1
Chloroethane	ND		1.0	0.32	ug/L			01/14/21 16:26	1
Chloroform	ND		1.0	0.34	ug/L			01/14/21 16:26	1
Chloromethane	ND		1.0	0.35	ug/L			01/14/21 16:26	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/14/21 16:26	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/14/21 16:26	1
Cyclohexane	ND		1.0	0.18	ug/L			01/14/21 16:26	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/14/21 16:26	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/14/21 16:26	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/14/21 16:26	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/14/21 16:26	1
Methyl acetate	ND		2.5	1.3	ug/L			01/14/21 16:26	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/14/21 16:26	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/14/21 16:26	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/14/21 16:26	1
Styrene	ND		1.0	0.73	ug/L			01/14/21 16:26	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/14/21 16:26	1
Toluene	ND		1.0	0.51	ug/L			01/14/21 16:26	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/14/21 16:26	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/14/21 16:26	1
Trichloroethene	ND		1.0	0.46	ug/L			01/14/21 16:26	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/14/21 16:26	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/14/21 16:26	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/14/21 16:26	1

Client: New York State D.E.C.
Job ID: 480-180124-1
Project/Site: Gladding Corporation #709009

Client Sample ID: EFFLUENT 46 Hz
Lab Sample ID: 480-180124-3
Date Collected: 01/12/21 09:30
Matrix: Water
Date Received: 01/13/21 11:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	88		80 - 120		01/14/21 16:26	1
1,2-Dichloroethane-d4 (Surr)	97		77 - 120		01/14/21 16:26	1
4-Bromofluorobenzene (Surr)	97		73 - 120		01/14/21 16:26	1
Dibromofluoromethane (Surr)	95		75 - 123		01/14/21 16:26	1

Client: New York State D.E.C.
Job ID: 480-180124-1
Project/Site: Gladding Corporation #709009

Client Sample ID: Trip Blank
Lab Sample ID: 480-180124-4
Date Collected: 01/12/21 09:30
Matrix: Water
Date Received: 01/13/21 11:00

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			01/14/21 16:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/14/21 16:51	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/14/21 16:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/14/21 16:51	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/14/21 16:51	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/14/21 16:51	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/14/21 16:51	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/14/21 16:51	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/14/21 16:51	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/14/21 16:51	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/14/21 16:51	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/14/21 16:51	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/14/21 16:51	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/14/21 16:51	1
2-Hexanone	ND		5.0	1.2	ug/L			01/14/21 16:51	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/14/21 16:51	1
Acetone	ND		10	3.0	ug/L			01/14/21 16:51	1
Benzene	ND		1.0	0.41	ug/L			01/14/21 16:51	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/14/21 16:51	1
Bromoform	ND		1.0	0.26	ug/L			01/14/21 16:51	1
Bromomethane	ND		1.0	0.69	ug/L			01/14/21 16:51	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/14/21 16:51	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/14/21 16:51	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/14/21 16:51	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/14/21 16:51	1
Chloroethane	ND		1.0	0.32	ug/L			01/14/21 16:51	1
Chloroform	ND		1.0	0.34	ug/L			01/14/21 16:51	1
Chloromethane	ND		1.0	0.35	ug/L			01/14/21 16:51	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/14/21 16:51	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/14/21 16:51	1
Cyclohexane	ND		1.0	0.18	ug/L			01/14/21 16:51	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/14/21 16:51	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/14/21 16:51	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/14/21 16:51	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/14/21 16:51	1
Methyl acetate	ND		2.5	1.3	ug/L			01/14/21 16:51	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/14/21 16:51	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/14/21 16:51	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/14/21 16:51	1
Styrene	ND		1.0	0.73	ug/L			01/14/21 16:51	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/14/21 16:51	1
Toluene	ND		1.0	0.51	ug/L			01/14/21 16:51	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/14/21 16:51	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/14/21 16:51	1
Trichloroethene	ND		1.0	0.46	ug/L			01/14/21 16:51	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/14/21 16:51	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/14/21 16:51	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/14/21 16:51	1

Client: New York State D.E.C.
Job ID: 480-180124-1
Project/Site: Gladding Corporation #709009

Client Sample ID: Trip Blank
Lab Sample ID: 480-180124-4
Date Collected: 01/12/21 09:30
Matrix: Water
Date Received: 01/13/21 11:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	90		80 - 120		01/14/21 16:51	1
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		01/14/21 16:51	1
4-Bromofluorobenzene (Surr)	100		73 - 120		01/14/21 16:51	1
Dibromofluoromethane (Surr)	98		75 - 123		01/14/21 16:51	1

Surrogate Summary

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

Job ID: 480-180124-1

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)
480-180124-1	RW-1	92	101	99	101
480-180124-1 MS	RW-1	93	100	98	101
480-180124-1 MSD	RW-1	90	93	99	94
480-180124-2	RW-2	90	96	98	96
480-180124-3	EFFLUENT 46 Hz	88	97	97	95
480-180124-4	Trip Blank	90	101	100	98
LCS 480-566074/5	Lab Control Sample	89	97	97	97
MB 480-566074/7	Method Blank	91	96	100	97

Surrogate Legend

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

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

Job ID: 480-180124-1

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

Lab Sample ID: MB 480-566074/7
Matrix: Water
Analysis Batch: 566074

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			01/14/21 11:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/14/21 11:41	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/14/21 11:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/14/21 11:41	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/14/21 11:41	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/14/21 11:41	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/14/21 11:41	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/14/21 11:41	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/14/21 11:41	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/14/21 11:41	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/14/21 11:41	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/14/21 11:41	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/14/21 11:41	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/14/21 11:41	1
2-Hexanone	ND		5.0	1.2	ug/L			01/14/21 11:41	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/14/21 11:41	1
Acetone	ND		10	3.0	ug/L			01/14/21 11:41	1
Benzene	ND		1.0	0.41	ug/L			01/14/21 11:41	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/14/21 11:41	1
Bromoform	ND		1.0	0.26	ug/L			01/14/21 11:41	1
Bromomethane	ND		1.0	0.69	ug/L			01/14/21 11:41	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/14/21 11:41	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/14/21 11:41	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/14/21 11:41	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/14/21 11:41	1
Chloroethane	ND		1.0	0.32	ug/L			01/14/21 11:41	1
Chloroform	ND		1.0	0.34	ug/L			01/14/21 11:41	1
Chloromethane	ND		1.0	0.35	ug/L			01/14/21 11:41	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/14/21 11:41	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/14/21 11:41	1
Cyclohexane	ND		1.0	0.18	ug/L			01/14/21 11:41	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/14/21 11:41	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/14/21 11:41	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/14/21 11:41	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/14/21 11:41	1
Methyl acetate	ND		2.5	1.3	ug/L			01/14/21 11:41	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/14/21 11:41	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/14/21 11:41	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/14/21 11:41	1
Styrene	ND		1.0	0.73	ug/L			01/14/21 11:41	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/14/21 11:41	1
Toluene	ND		1.0	0.51	ug/L			01/14/21 11:41	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/14/21 11:41	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/14/21 11:41	1
Trichloroethene	ND		1.0	0.46	ug/L			01/14/21 11:41	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/14/21 11:41	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/14/21 11:41	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/14/21 11:41	1

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

Lab Sample ID: MB 480-566074/7
Matrix: Water
Analysis Batch: 566074

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*91*		*80 - 120*		*01/14/21 11:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*01/14/21 11:41*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*01/14/21 11:41*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*01/14/21 11:41*	*1*

Lab Sample ID: LCS 480-566074/5
Matrix: Water
Analysis Batch: 566074

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	26.4		ug/L		106	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.7		ug/L		91	76 - 120
1,1,2-Trichloroethane	25.0	22.3		ug/L		89	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	22.3		ug/L		89	61 - 148
1,1-Dichloroethane	25.0	23.1		ug/L		92	77 - 120
1,1-Dichloroethene	25.0	21.5		ug/L		86	66 - 127
1,2,4-Trichlorobenzene	25.0	25.7		ug/L		103	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	23.0		ug/L		92	56 - 134
1,2-Dichlorobenzene	25.0	23.3		ug/L		93	80 - 124
1,2-Dichloroethane	25.0	24.8		ug/L		99	75 - 120
1,2-Dichloropropane	25.0	22.4		ug/L		90	76 - 120
1,3-Dichlorobenzene	25.0	23.8		ug/L		95	77 - 120
1,4-Dichlorobenzene	25.0	23.2		ug/L		93	80 - 120
2-Butanone (MEK)	125	104		ug/L		84	57 - 140
2-Hexanone	125	105		ug/L		84	65 - 127
4-Methyl-2-pentanone (MIBK)	125	110		ug/L		88	71 - 125
Acetone	125	97.3		ug/L		78	56 - 142
Benzene	25.0	23.0		ug/L		92	71 - 124
Bromodichloromethane	25.0	25.1		ug/L		100	80 - 122
Bromoform	25.0	26.5		ug/L		106	61 - 132
Bromomethane	25.0	22.1		ug/L		88	55 - 144
Carbon disulfide	25.0	19.7		ug/L		79	59 - 134
Carbon tetrachloride	25.0	26.9		ug/L		108	72 - 134
Chlorobenzene	25.0	23.2		ug/L		93	80 - 120
Dibromochloromethane	25.0	25.0		ug/L		100	75 - 125
Chloroethane	25.0	22.4		ug/L		90	69 - 136
Chloroform	25.0	23.3		ug/L		93	73 - 127
Chloromethane	25.0	23.4		ug/L		94	68 - 124
cis-1,2-Dichloroethene	25.0	22.3		ug/L		89	74 - 124
cis-1,3-Dichloropropene	25.0	24.5		ug/L		98	74 - 124
Cyclohexane	25.0	23.7		ug/L		95	59 - 135
Dichlorodifluoromethane	25.0	31.2		ug/L		125	59 - 135
Ethylbenzene	25.0	23.9		ug/L		96	77 - 123
1,2-Dibromoethane	25.0	23.6		ug/L		94	77 - 120
Isopropylbenzene	25.0	24.9		ug/L		100	77 - 122
Methyl acetate	50.0	38.9		ug/L		78	74 - 133
Methyl tert-butyl ether	25.0	22.8		ug/L		91	77 - 120
Methylcyclohexane	25.0	24.7		ug/L		99	68 - 134

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

Lab Sample ID: LCS 480-566074/5
Matrix: Water
Analysis Batch: 566074

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	23.2		ug/L		93	75 - 124
Styrene	25.0	25.5		ug/L		102	80 - 120
Tetrachloroethene	25.0	23.8		ug/L		95	74 - 122
Toluene	25.0	22.5		ug/L		90	80 - 122
trans-1,2-Dichloroethene	25.0	22.7		ug/L		91	73 - 127
trans-1,3-Dichloropropene	25.0	24.4		ug/L		97	80 - 120
Trichloroethene	25.0	24.2		ug/L		97	74 - 123
Trichlorofluoromethane	25.0	26.3		ug/L		105	62 - 150
Vinyl chloride	25.0	24.2		ug/L		97	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*89*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*
Dibromofluoromethane (Surr)	*97*		*75 - 123*

Lab Sample ID: 480-180124-1 MS
Matrix: Water
Analysis Batch: 566074

Client Sample ID: RW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	39		25.0	68.9		ug/L		119	73 - 126
1,1,2,2-Tetrachloroethane	ND		25.0	24.8		ug/L		99	76 - 120
1,1,2-Trichloroethane	ND		25.0	25.1		ug/L		100	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	23.2		ug/L		93	61 - 148
1,1-Dichloroethane	1.3		25.0	27.6		ug/L		105	77 - 120
1,1-Dichloroethene	0.82	J	25.0	25.5		ug/L		99	66 - 127
1,2,4-Trichlorobenzene	ND		25.0	28.0		ug/L		112	79 - 122
1,2-Dibromo-3-Chloropropane	ND		25.0	25.0		ug/L		100	56 - 134
1,2-Dichlorobenzene	ND		25.0	26.2		ug/L		105	80 - 124
1,2-Dichloroethane	ND		25.0	27.8		ug/L		111	75 - 120
1,2-Dichloropropane	ND		25.0	25.1		ug/L		100	76 - 120
1,3-Dichlorobenzene	ND		25.0	26.3		ug/L		105	77 - 120
1,4-Dichlorobenzene	ND		25.0	25.4		ug/L		102	78 - 124
2-Butanone (MEK)	ND		125	110		ug/L		88	57 - 140
2-Hexanone	ND	F2	125	112		ug/L		90	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		125	120		ug/L		96	71 - 125
Acetone	ND		125	111		ug/L		89	56 - 142
Benzene	ND		25.0	25.5		ug/L		102	71 - 124
Bromodichloromethane	ND		25.0	27.4		ug/L		110	80 - 122
Bromoform	ND		25.0	27.0		ug/L		108	61 - 132
Bromomethane	ND		25.0	25.0		ug/L		100	55 - 144
Carbon disulfide	ND		25.0	20.5		ug/L		82	59 - 134
Carbon tetrachloride	ND		25.0	30.4		ug/L		121	72 - 134
Chlorobenzene	ND		25.0	25.8		ug/L		103	80 - 120
Dibromochloromethane	ND		25.0	26.6		ug/L		106	75 - 125
Chloroethane	ND		25.0	25.4		ug/L		102	69 - 136
Chloroform	ND		25.0	26.2		ug/L		105	73 - 127

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

Lab Sample ID: 480-180124-1 MS
Matrix: Water
Analysis Batch: 566074

Client Sample ID: RW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	ND		25.0	26.6		ug/L		107	68 - 124
cis-1,2-Dichloroethene	ND		25.0	25.9		ug/L		104	74 - 124
cis-1,3-Dichloropropene	ND		25.0	25.1		ug/L		100	74 - 124
Cyclohexane	ND		25.0	24.5		ug/L		98	59 - 135
Dichlorodifluoromethane	ND		25.0	32.2		ug/L		129	59 - 135
Ethylbenzene	ND		25.0	26.7		ug/L		107	77 - 123
1,2-Dibromoethane	ND		25.0	25.8		ug/L		103	77 - 120
Isopropylbenzene	ND		25.0	28.6		ug/L		114	77 - 122
Methyl acetate	ND		50.0	41.7		ug/L		83	74 - 133
Methyl tert-butyl ether	ND		25.0	25.5		ug/L		102	77 - 120
Methylcyclohexane	ND		25.0	24.7		ug/L		99	68 - 134
Methylene Chloride	ND		25.0	25.8		ug/L		103	75 - 124
Styrene	ND		25.0	28.1		ug/L		113	80 - 120
Tetrachloroethene	ND		25.0	27.7		ug/L		111	74 - 122
Toluene	ND		25.0	25.9		ug/L		103	80 - 122
trans-1,2-Dichloroethene	ND		25.0	25.9		ug/L		103	73 - 127
trans-1,3-Dichloropropene	ND		25.0	24.8		ug/L		99	80 - 120
Trichloroethene	ND		25.0	26.8		ug/L		107	74 - 123
Trichlorofluoromethane	ND		25.0	29.6		ug/L		118	62 - 150
Vinyl chloride	ND		25.0	27.8		ug/L		111	65 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*93*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*
Dibromofluoromethane (Surr)	*101*		*75 - 123*

Lab Sample ID: 480-180124-1 MSD
Matrix: Water
Analysis Batch: 566074

Client Sample ID: RW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	39		25.0	68.1		ug/L		116	73 - 126	1	15
1,1,2,2-Tetrachloroethane	ND		25.0	25.9		ug/L		104	76 - 120	4	15
1,1,2-Trichloroethane	ND		25.0	26.1		ug/L		104	76 - 122	4	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	22.7		ug/L		91	61 - 148	2	20
1,1-Dichloroethane	1.3		25.0	27.3		ug/L		104	77 - 120	1	20
1,1-Dichloroethene	0.82	J	25.0	25.2		ug/L		97	66 - 127	1	16
1,2,4-Trichlorobenzene	ND		25.0	27.8		ug/L		111	79 - 122	1	20
1,2-Dibromo-3-Chloropropane	ND		25.0	28.0		ug/L		112	56 - 134	12	15
1,2-Dichlorobenzene	ND		25.0	26.3		ug/L		105	80 - 124	0	20
1,2-Dichloroethane	ND		25.0	27.1		ug/L		108	75 - 120	2	20
1,2-Dichloropropane	ND		25.0	25.7		ug/L		103	76 - 120	2	20
1,3-Dichlorobenzene	ND		25.0	27.0		ug/L		108	77 - 120	2	20
1,4-Dichlorobenzene	ND		25.0	26.7		ug/L		107	78 - 124	5	20
2-Butanone (MEK)	ND		125	131		ug/L		104	57 - 140	17	20
2-Hexanone	ND	F2	125	135	F2	ug/L		108	65 - 127	18	15
4-Methyl-2-pentanone (MIBK)	ND		125	129		ug/L		103	71 - 125	7	35

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

Lab Sample ID: 480-180124-1 MSD
Client Sample ID: RW-1
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 566074

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		125	112		ug/L		90	56 - 142	1	15
Benzene	ND		25.0	25.7		ug/L		103	71 - 124	1	13
Bromodichloromethane	ND		25.0	28.5		ug/L		114	80 - 122	4	15
Bromoform	ND		25.0	28.5		ug/L		114	61 - 132	6	15
Bromomethane	ND		25.0	24.9		ug/L		99	55 - 144	0	15
Carbon disulfide	ND		25.0	20.0		ug/L		80	59 - 134	2	15
Carbon tetrachloride	ND		25.0	30.6		ug/L		122	72 - 134	1	15
Chlorobenzene	ND		25.0	26.7		ug/L		107	80 - 120	4	25
Dibromochloromethane	ND		25.0	27.3		ug/L		109	75 - 125	3	15
Chloroethane	ND		25.0	25.7		ug/L		103	69 - 136	1	15
Chloroform	ND		25.0	25.6		ug/L		102	73 - 127	2	20
Chloromethane	ND		25.0	27.1		ug/L		108	68 - 124	2	15
cis-1,2-Dichloroethene	ND		25.0	25.3		ug/L		101	74 - 124	3	15
cis-1,3-Dichloropropene	ND		25.0	27.4		ug/L		110	74 - 124	9	15
Cyclohexane	ND		25.0	24.4		ug/L		98	59 - 135	0	20
Dichlorodifluoromethane	ND		25.0	32.1		ug/L		128	59 - 135	0	20
Ethylbenzene	ND		25.0	27.2		ug/L		109	77 - 123	2	15
1,2-Dibromoethane	ND		25.0	27.3		ug/L		109	77 - 120	6	15
Isopropylbenzene	ND		25.0	28.2		ug/L		113	77 - 122	1	20
Methyl acetate	ND		50.0	39.3		ug/L		79	74 - 133	6	20
Methyl tert-butyl ether	ND		25.0	24.4		ug/L		98	77 - 120	4	37
Methylcyclohexane	ND		25.0	25.8		ug/L		103	68 - 134	4	20
Methylene Chloride	ND		25.0	24.9		ug/L		100	75 - 124	4	15
Styrene	ND		25.0	29.2		ug/L		117	80 - 120	4	20
Tetrachloroethene	ND		25.0	27.3		ug/L		109	74 - 122	1	20
Toluene	ND		25.0	26.2		ug/L		105	80 - 122	1	15
trans-1,2-Dichloroethene	ND		25.0	25.4		ug/L		102	73 - 127	2	20
trans-1,3-Dichloropropene	ND		25.0	27.1		ug/L		108	80 - 120	9	15
Trichloroethene	ND		25.0	27.1		ug/L		108	74 - 123	1	16
Trichlorofluoromethane	ND		25.0	29.2		ug/L		117	62 - 150	1	20
Vinyl chloride	ND		25.0	28.2		ug/L		113	65 - 133	2	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*90*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 120*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*
Dibromofluoromethane (Surr)	*94*		*75 - 123*

QC Association Summary

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

Job ID: 480-180124-1

GC/MS VOA

Analysis Batch: 566074

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-180124-1	RW-1	Total/NA	Water	8260C	
480-180124-2	RW-2	Total/NA	Water	8260C	
480-180124-3	EFFLUENT 46 Hz	Total/NA	Water	8260C	
480-180124-4	Trip Blank	Total/NA	Water	8260C	
MB 480-566074/7	Method Blank	Total/NA	Water	8260C	
LCS 480-566074/5	Lab Control Sample	Total/NA	Water	8260C	
480-180124-1 MS	RW-1	Total/NA	Water	8260C	
480-180124-1 MSD	RW-1	Total/NA	Water	8260C	

Lab Chronicle

Client: New York State D.E.C.
Job ID: 480-180124-1
Project/Site: Gladding Corporation #709009

Client Sample ID: RW-1
Lab Sample ID: 480-180124-1
Date Collected: 01/12/21 09:10
Matrix: Water
Date Received: 01/13/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	566074	01/14/21 15:36	WJD	TAL BUF

Client Sample ID: RW-2
Lab Sample ID: 480-180124-2
Date Collected: 01/12/21 09:20
Matrix: Water
Date Received: 01/13/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	566074	01/14/21 16:01	WJD	TAL BUF

Client Sample ID: EFFLUENT 46 Hz
Lab Sample ID: 480-180124-3
Date Collected: 01/12/21 09:30
Matrix: Water
Date Received: 01/13/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	566074	01/14/21 16:26	WJD	TAL BUF

Client Sample ID: Trip Blank
Lab Sample ID: 480-180124-4
Date Collected: 01/12/21 09:30
Matrix: Water
Date Received: 01/13/21 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	566074	01/14/21 16:51	WJD	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: 480-180124-1
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	04-01-21

Method Summary

Client: New York State D.E.C.
Job ID: 480-180124-1
Project/Site: Gladding Corporation #709009

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

Protocol References:

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

Laboratory References:

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

Sample Summary

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

Job ID: 480-180124-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-180124-1	RW-1	Water	01/12/21 09:10	01/13/21 11:00	
480-180124-2	RW-2	Water	01/12/21 09:20	01/13/21 11:00	
480-180124-3	EFFLUENT 46 Hz	Water	01/12/21 09:30	01/13/21 11:00	
480-180124-4	Trip Blank	Water	01/12/21 09:30	01/13/21 11:00	

GES

CHAIN OF CUSTODY

Client: New York State Dept. of Environmental Conservation

FED-EX Tracking # Syracuse #225

Lab Quote #

PAGE 1 OF 1

Bottle Order Control #

Lab Job #

CLIENT/REPORTING INFORMATION	PROJECT INFORMATION	BILLING INFORMATION
Groundwater & Environmental Services, Inc. 5 Technology Place, East Syracuse, NY 13057 **Project Manager:** Scott McDonald **Phone #:** 800-220-3069 SMcDonald@gesonline.com **Extension #:** 4066 NERegion@gesonline.com	**Project Name:** NYSDEC South Otselic, One Gladding Street **Project Address:** One Gladding Road, South Otselic, NY **Project PSID #:** 866065	Groundwater & Environmental Services, Inc. ges-invoices@gesonline.com ATTN: Accounts Payable **Invoice Instructions (Project #/ Phase / Task / Altorg)** 0603178/05/220/1106 NYSDEC Site Code = 709009

Sampler(s) Name:

Sampler(s) Name:

REQUESTED ANALYSIS (see Test Code sheet)

LAB USE ONLY

number of preserved bottles

Lab Sample #	Field ID / Point of Collection (Sys_loc_code)	Depth Interval (ft)	Date Sampled	Time Sampled	Sampler	Matrix	Total # Bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Amber	EPA Method 8260 full list
	RW-1		1/12/21	0910	GE	WG	3	X									X
	RW-1 MS		↓	0910	GE	WG	3	X									X
	RW-1 MSD		↓	0910	GE	WG	3	X									X
	RW-2		↓	0920	GE	WG	3	X									X
	Effluent 46 Hz		↓	0930	GE	WG	3	X									X
	Trip Blank		↓	0930	GE	WQ	2	X									X

1/12/21 AV

480-180124 Chain of Custody

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

- ☑ Standard 14 Days ____/
- ☐ 1 day RUSH ____/
- ☐ Other ____ ____/

Laboratory Information

Lab: Eurofins TestAmerica, Buffalo
Address: 10 Hazelwood Drive, Amherst, NY 14228-2298
Phone: 716-691-2600
Lab PM: Judy Stone
Lab PM Email: judy.stone@testamericainc.com

Data Deli[verables]

- ☐ Commercial 'A' (Level 1) = Results Only
- ☐ Commercial 'B" (Level 2) = Results + QC Summary
- ☐ FULLT1 (Level 3 & 4)
- ☐ NJ Reduced = Results + QC Summary + Partial Raw Data
- ☐ Commercial 'C'
- ☐ *NJ Data of Known Quality Protocol Reporting*
- ☐ NYASP Category A
- ☐ NYASP Category B
- ☐ State Forms
- ☑ EDD Format NYSDEC Ver. 4
- ☐ Other ____

Please Email the EQ EDD Package to ges@equisonline.com, Email Lab Report to NERegion@gesonline.com, jthomas@gesonline.com

EQEDD Name: NYSDEC South Otselic, One Gladding Street_LabReport#.31654.EQEDD.zip

Sample Custody must be documented below each time samples change possession, including courier.

Relinquished By	Date / Time	Received By
Relinquished By Sampler: 1 [signature]	1 1/12/21 1230	1 [signature] ESSYR
Relinquished By: 2 ESSYR [signature]	2 1-12-21, 1900	2 [signature] 1/13/21 1100
Relinquished By: 3	3	3

Custody Seal Number: ☐ Intact ☐ Not Intact ☐ Preserved where applicable ☐ On Ice **Cooler Temp** 2.8 #1

Page 26 of 27

1/22/2021

\\svrrmt88-vm3\syracuse-01\Dashboard\Planning\866065.xlsm

15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-180124-1

Login Number: 180124

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Wallace, Cameron

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

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 480-181020-1
Client Project/Site: Gladding Corporation #709009

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

Attn: Mr. Payson Long

Judy Stone

Authorized for release by:
2/12/2021 4:08:29 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
2/12/2021 4:08:29 PM

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Detection Summary 6
Client Sample Results 7
Surrogate Summary 15
QC Sample Results 16
QC Association Summary 21
Lab Chronicle 22
Certification Summary 23
Method Summary 24
Sample Summary 25
Chain of Custody 26
Receipt Checklists 27

Definitions/Glossary

Client: New York State D.E.C.
Job ID: 480-181020-1
Project/Site: Gladding Corporation #709009

Qualifiers

GC/MS VOA

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

Glossary

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

Case Narrative

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

Job ID: 480-181020-1

Job ID: 480-181020-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-181020-1

Comments
No additional comments.

Receipt
The samples were received on 2/10/2021 8:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.4º C.

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

Detection Summary

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

Job ID: 480-181020-1

Client Sample ID: RW-1 — Lab Sample ID: 480-181020-1

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	0.79	J	1.0	0.29	ug/L	1		8260C	Total/NA

Client Sample ID: RW-2 — Lab Sample ID: 480-181020-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	28		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	0.67	J	1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	0.52	J	1.0	0.29	ug/L	1		8260C	Total/NA

Client Sample ID: EFFLUENT 46 Hz — Lab Sample ID: 480-181020-3

No Detections.

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-181020-4

No Detections.

This Detection Summary does not include radiochemical test results.

Client: New York State D.E.C.
Job ID: 480-181020-1
Project/Site: Gladding Corporation #709009

Client Sample ID: RW-1
Lab Sample ID: 480-181020-1
Date Collected: 02/09/21 10:30
Matrix: Water
Date Received: 02/10/21 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			02/10/21 18:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/10/21 18:15	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/10/21 18:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			02/10/21 18:15	1
1,1-Dichloroethane	**1.2**		1.0	0.38	ug/L			02/10/21 18:15	1
1,1-Dichloroethene	**0.79**	**J**	1.0	0.29	ug/L			02/10/21 18:15	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			02/10/21 18:15	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			02/10/21 18:15	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			02/10/21 18:15	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/10/21 18:15	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/10/21 18:15	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			02/10/21 18:15	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			02/10/21 18:15	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/10/21 18:15	1
2-Hexanone	ND		5.0	1.2	ug/L			02/10/21 18:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/10/21 18:15	1
Acetone	ND		10	3.0	ug/L			02/10/21 18:15	1
Benzene	ND		1.0	0.41	ug/L			02/10/21 18:15	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/10/21 18:15	1
Bromoform	ND		1.0	0.26	ug/L			02/10/21 18:15	1
Bromomethane	ND		1.0	0.69	ug/L			02/10/21 18:15	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/10/21 18:15	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/10/21 18:15	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/10/21 18:15	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/10/21 18:15	1
Chloroethane	ND		1.0	0.32	ug/L			02/10/21 18:15	1
Chloroform	ND		1.0	0.34	ug/L			02/10/21 18:15	1
Chloromethane	ND		1.0	0.35	ug/L			02/10/21 18:15	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/10/21 18:15	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/10/21 18:15	1
Cyclohexane	ND		1.0	0.18	ug/L			02/10/21 18:15	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			02/10/21 18:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/10/21 18:15	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			02/10/21 18:15	1
Isopropylbenzene	ND		1.0	0.79	ug/L			02/10/21 18:15	1
Methyl acetate	ND		2.5	1.3	ug/L			02/10/21 18:15	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			02/10/21 18:15	1
Methylcyclohexane	ND		1.0	0.16	ug/L			02/10/21 18:15	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/10/21 18:15	1
Styrene	ND		1.0	0.73	ug/L			02/10/21 18:15	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/10/21 18:15	1
Toluene	ND		1.0	0.51	ug/L			02/10/21 18:15	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/10/21 18:15	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/10/21 18:15	1
Trichloroethene	ND		1.0	0.46	ug/L			02/10/21 18:15	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			02/10/21 18:15	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/10/21 18:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/10/21 18:15	1

Client Sample Results

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

Job ID: 480-181020-1

Client Sample ID: RW-1

Date Collected: 02/09/21 10:30
Date Received: 02/10/21 08:00

Lab Sample ID: 480-181020-1

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		80 - 120		02/10/21 18:15	1
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		02/10/21 18:15	1
4-Bromofluorobenzene (Surr)	99		73 - 120		02/10/21 18:15	1
Dibromofluoromethane (Surr)	101		75 - 123		02/10/21 18:15	1

Client: New York State D.E.C.
Job ID: 480-181020-1
Project/Site: Gladding Corporation #709009

Client Sample ID: RW-2
Lab Sample ID: 480-181020-2
Date Collected: 02/09/21 10:40
Matrix: Water
Date Received: 02/10/21 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	**28**		1.0	0.82	ug/L			02/10/21 18:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/10/21 18:40	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/10/21 18:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			02/10/21 18:40	1
1,1-Dichloroethane	**0.67**	**J**	1.0	0.38	ug/L			02/10/21 18:40	1
1,1-Dichloroethene	**0.52**	**J**	1.0	0.29	ug/L			02/10/21 18:40	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			02/10/21 18:40	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			02/10/21 18:40	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			02/10/21 18:40	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/10/21 18:40	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/10/21 18:40	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			02/10/21 18:40	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			02/10/21 18:40	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/10/21 18:40	1
2-Hexanone	ND		5.0	1.2	ug/L			02/10/21 18:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/10/21 18:40	1
Acetone	ND		10	3.0	ug/L			02/10/21 18:40	1
Benzene	ND		1.0	0.41	ug/L			02/10/21 18:40	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/10/21 18:40	1
Bromoform	ND		1.0	0.26	ug/L			02/10/21 18:40	1
Bromomethane	ND		1.0	0.69	ug/L			02/10/21 18:40	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/10/21 18:40	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/10/21 18:40	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/10/21 18:40	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/10/21 18:40	1
Chloroethane	ND		1.0	0.32	ug/L			02/10/21 18:40	1
Chloroform	ND		1.0	0.34	ug/L			02/10/21 18:40	1
Chloromethane	ND		1.0	0.35	ug/L			02/10/21 18:40	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/10/21 18:40	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/10/21 18:40	1
Cyclohexane	ND		1.0	0.18	ug/L			02/10/21 18:40	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			02/10/21 18:40	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/10/21 18:40	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			02/10/21 18:40	1
Isopropylbenzene	ND		1.0	0.79	ug/L			02/10/21 18:40	1
Methyl acetate	ND		2.5	1.3	ug/L			02/10/21 18:40	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			02/10/21 18:40	1
Methylcyclohexane	ND		1.0	0.16	ug/L			02/10/21 18:40	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/10/21 18:40	1
Styrene	ND		1.0	0.73	ug/L			02/10/21 18:40	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/10/21 18:40	1
Toluene	ND		1.0	0.51	ug/L			02/10/21 18:40	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/10/21 18:40	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/10/21 18:40	1
Trichloroethene	ND		1.0	0.46	ug/L			02/10/21 18:40	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			02/10/21 18:40	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/10/21 18:40	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/10/21 18:40	1

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

Job ID: 480-181020-1

Client Sample ID: RW-2
Date Collected: 02/09/21 10:40
Date Received: 02/10/21 08:00

Lab Sample ID: 480-181020-2
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		80 - 120		02/10/21 18:40	1
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		02/10/21 18:40	1
4-Bromofluorobenzene (Surr)	97		73 - 120		02/10/21 18:40	1
Dibromofluoromethane (Surr)	105		75 - 123		02/10/21 18:40	1

Client: New York State D.E.C.
Job ID: 480-181020-1
Project/Site: Gladding Corporation #709009

Client Sample ID: EFFLUENT 46 Hz
Lab Sample ID: 480-181020-3
Date Collected: 02/09/21 10:50
Matrix: Water
Date Received: 02/10/21 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			02/10/21 19:04	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/10/21 19:04	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/10/21 19:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			02/10/21 19:04	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/10/21 19:04	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/10/21 19:04	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			02/10/21 19:04	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			02/10/21 19:04	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			02/10/21 19:04	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/10/21 19:04	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/10/21 19:04	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			02/10/21 19:04	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			02/10/21 19:04	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/10/21 19:04	1
2-Hexanone	ND		5.0	1.2	ug/L			02/10/21 19:04	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/10/21 19:04	1
Acetone	ND		10	3.0	ug/L			02/10/21 19:04	1
Benzene	ND		1.0	0.41	ug/L			02/10/21 19:04	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/10/21 19:04	1
Bromoform	ND		1.0	0.26	ug/L			02/10/21 19:04	1
Bromomethane	ND		1.0	0.69	ug/L			02/10/21 19:04	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/10/21 19:04	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/10/21 19:04	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/10/21 19:04	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/10/21 19:04	1
Chloroethane	ND		1.0	0.32	ug/L			02/10/21 19:04	1
Chloroform	ND		1.0	0.34	ug/L			02/10/21 19:04	1
Chloromethane	ND		1.0	0.35	ug/L			02/10/21 19:04	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/10/21 19:04	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/10/21 19:04	1
Cyclohexane	ND		1.0	0.18	ug/L			02/10/21 19:04	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			02/10/21 19:04	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/10/21 19:04	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			02/10/21 19:04	1
Isopropylbenzene	ND		1.0	0.79	ug/L			02/10/21 19:04	1
Methyl acetate	ND		2.5	1.3	ug/L			02/10/21 19:04	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			02/10/21 19:04	1
Methylcyclohexane	ND		1.0	0.16	ug/L			02/10/21 19:04	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/10/21 19:04	1
Styrene	ND		1.0	0.73	ug/L			02/10/21 19:04	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/10/21 19:04	1
Toluene	ND		1.0	0.51	ug/L			02/10/21 19:04	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/10/21 19:04	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/10/21 19:04	1
Trichloroethene	ND		1.0	0.46	ug/L			02/10/21 19:04	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			02/10/21 19:04	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/10/21 19:04	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/10/21 19:04	1

Client: New York State D.E.C.
Job ID: 480-181020-1
Project/Site: Gladding Corporation #709009

Client Sample ID: EFFLUENT 46 Hz
Lab Sample ID: 480-181020-3
Date Collected: 02/09/21 10:50
Matrix: Water
Date Received: 02/10/21 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		80 - 120		02/10/21 19:04	1
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		02/10/21 19:04	1
4-Bromofluorobenzene (Surr)	101		73 - 120		02/10/21 19:04	1
Dibromofluoromethane (Surr)	99		75 - 123		02/10/21 19:04	1

Client: New York State D.E.C.
Job ID: 480-181020-1
Project/Site: Gladding Corporation #709009

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-181020-4
Date Collected: 02/09/21 10:50
Matrix: Water
Date Received: 02/10/21 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			02/10/21 19:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/10/21 19:29	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/10/21 19:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			02/10/21 19:29	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/10/21 19:29	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/10/21 19:29	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			02/10/21 19:29	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			02/10/21 19:29	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			02/10/21 19:29	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/10/21 19:29	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/10/21 19:29	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			02/10/21 19:29	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			02/10/21 19:29	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/10/21 19:29	1
2-Hexanone	ND		5.0	1.2	ug/L			02/10/21 19:29	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/10/21 19:29	1
Acetone	ND		10	3.0	ug/L			02/10/21 19:29	1
Benzene	ND		1.0	0.41	ug/L			02/10/21 19:29	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/10/21 19:29	1
Bromoform	ND		1.0	0.26	ug/L			02/10/21 19:29	1
Bromomethane	ND		1.0	0.69	ug/L			02/10/21 19:29	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/10/21 19:29	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/10/21 19:29	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/10/21 19:29	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/10/21 19:29	1
Chloroethane	ND		1.0	0.32	ug/L			02/10/21 19:29	1
Chloroform	ND		1.0	0.34	ug/L			02/10/21 19:29	1
Chloromethane	ND		1.0	0.35	ug/L			02/10/21 19:29	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/10/21 19:29	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/10/21 19:29	1
Cyclohexane	ND		1.0	0.18	ug/L			02/10/21 19:29	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			02/10/21 19:29	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/10/21 19:29	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			02/10/21 19:29	1
Isopropylbenzene	ND		1.0	0.79	ug/L			02/10/21 19:29	1
Methyl acetate	ND		2.5	1.3	ug/L			02/10/21 19:29	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			02/10/21 19:29	1
Methylcyclohexane	ND		1.0	0.16	ug/L			02/10/21 19:29	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/10/21 19:29	1
Styrene	ND		1.0	0.73	ug/L			02/10/21 19:29	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/10/21 19:29	1
Toluene	ND		1.0	0.51	ug/L			02/10/21 19:29	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/10/21 19:29	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/10/21 19:29	1
Trichloroethene	ND		1.0	0.46	ug/L			02/10/21 19:29	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			02/10/21 19:29	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/10/21 19:29	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/10/21 19:29	1

Client Sample Results

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

Job ID: 480-181020-1

Client Sample ID: TRIP BLANK

Date Collected: 02/09/21 10:50
Date Received: 02/10/21 08:00

Lab Sample ID: 480-181020-4

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		80 - 120		02/10/21 19:29	1
1,2-Dichloroethane-d4 (Surr)	96		77 - 120		02/10/21 19:29	1
4-Bromofluorobenzene (Surr)	100		73 - 120		02/10/21 19:29	1
Dibromofluoromethane (Surr)	97		75 - 123		02/10/21 19:29	1

Surrogate Summary

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

Job ID: 480-181020-1

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)
480-181020-1	RW-1	96	99	99	101
480-181020-1 MS	RW-1	99	98	99	102
480-181020-1 MSD	RW-1	98	98	97	99
480-181020-2	RW-2	97	102	97	105
480-181020-3	EFFLUENT 46 Hz	96	102	101	99
480-181020-4	TRIP BLANK	97	96	100	97
LCS 480-568928/5	Lab Control Sample	101	102	100	100
MB 480-568928/7	Method Blank	97	98	98	99

Surrogate Legend

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

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

Job ID: 480-181020-1

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

Lab Sample ID: MB 480-568928/7
Matrix: Water
Analysis Batch: 568928

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			02/10/21 12:03	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/10/21 12:03	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/10/21 12:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			02/10/21 12:03	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/10/21 12:03	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/10/21 12:03	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			02/10/21 12:03	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			02/10/21 12:03	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			02/10/21 12:03	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/10/21 12:03	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/10/21 12:03	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			02/10/21 12:03	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			02/10/21 12:03	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/10/21 12:03	1
2-Hexanone	ND		5.0	1.2	ug/L			02/10/21 12:03	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/10/21 12:03	1
Acetone	ND		10	3.0	ug/L			02/10/21 12:03	1
Benzene	ND		1.0	0.41	ug/L			02/10/21 12:03	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/10/21 12:03	1
Bromoform	ND		1.0	0.26	ug/L			02/10/21 12:03	1
Bromomethane	ND		1.0	0.69	ug/L			02/10/21 12:03	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/10/21 12:03	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/10/21 12:03	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/10/21 12:03	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/10/21 12:03	1
Chloroethane	ND		1.0	0.32	ug/L			02/10/21 12:03	1
Chloroform	ND		1.0	0.34	ug/L			02/10/21 12:03	1
Chloromethane	ND		1.0	0.35	ug/L			02/10/21 12:03	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/10/21 12:03	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/10/21 12:03	1
Cyclohexane	ND		1.0	0.18	ug/L			02/10/21 12:03	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			02/10/21 12:03	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/10/21 12:03	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			02/10/21 12:03	1
Isopropylbenzene	ND		1.0	0.79	ug/L			02/10/21 12:03	1
Methyl acetate	ND		2.5	1.3	ug/L			02/10/21 12:03	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			02/10/21 12:03	1
Methylcyclohexane	ND		1.0	0.16	ug/L			02/10/21 12:03	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/10/21 12:03	1
Styrene	ND		1.0	0.73	ug/L			02/10/21 12:03	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/10/21 12:03	1
Toluene	ND		1.0	0.51	ug/L			02/10/21 12:03	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/10/21 12:03	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/10/21 12:03	1
Trichloroethene	ND		1.0	0.46	ug/L			02/10/21 12:03	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			02/10/21 12:03	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/10/21 12:03	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/10/21 12:03	1

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

Lab Sample ID: MB 480-568928/7
Matrix: Water
Analysis Batch: 568928

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*97*		*80 - 120*		*02/10/21 12:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*02/10/21 12:03*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*02/10/21 12:03*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*02/10/21 12:03*	*1*

Lab Sample ID: LCS 480-568928/5
Matrix: Water
Analysis Batch: 568928

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	24.8		ug/L		99	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.2		ug/L		97	76 - 120
1,1,2-Trichloroethane	25.0	24.6		ug/L		98	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	24.6		ug/L		98	61 - 148
1,1-Dichloroethane	25.0	24.2		ug/L		97	77 - 120
1,1-Dichloroethene	25.0	23.5		ug/L		94	66 - 127
1,2,4-Trichlorobenzene	25.0	24.3		ug/L		97	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	24.0		ug/L		96	56 - 134
1,2-Dichlorobenzene	25.0	23.9		ug/L		96	80 - 124
1,2-Dichloroethane	25.0	23.1		ug/L		92	75 - 120
1,2-Dichloropropane	25.0	23.5		ug/L		94	76 - 120
1,3-Dichlorobenzene	25.0	23.9		ug/L		96	77 - 120
1,4-Dichlorobenzene	25.0	23.6		ug/L		95	80 - 120
2-Butanone (MEK)	125	133		ug/L		107	57 - 140
2-Hexanone	125	129		ug/L		104	65 - 127
4-Methyl-2-pentanone (MIBK)	125	126		ug/L		100	71 - 125
Acetone	125	132		ug/L		106	56 - 142
Benzene	25.0	23.4		ug/L		94	71 - 124
Bromodichloromethane	25.0	25.1		ug/L		100	80 - 122
Bromoform	25.0	27.4		ug/L		110	61 - 132
Bromomethane	25.0	21.5		ug/L		86	55 - 144
Carbon disulfide	25.0	23.1		ug/L		93	59 - 134
Carbon tetrachloride	25.0	24.9		ug/L		99	72 - 134
Chlorobenzene	25.0	24.5		ug/L		98	80 - 120
Dibromochloromethane	25.0	26.6		ug/L		107	75 - 125
Chloroethane	25.0	19.7		ug/L		79	69 - 136
Chloroform	25.0	23.5		ug/L		94	73 - 127
Chloromethane	25.0	23.9		ug/L		96	68 - 124
cis-1,2-Dichloroethene	25.0	23.5		ug/L		94	74 - 124
cis-1,3-Dichloropropene	25.0	24.2		ug/L		97	74 - 124
Cyclohexane	25.0	24.6		ug/L		98	59 - 135
Dichlorodifluoromethane	25.0	26.5		ug/L		106	59 - 135
Ethylbenzene	25.0	24.3		ug/L		97	77 - 123
1,2-Dibromoethane	25.0	24.4		ug/L		97	77 - 120
Isopropylbenzene	25.0	23.6		ug/L		94	77 - 122
Methyl acetate	50.0	48.7		ug/L		97	74 - 133
Methyl tert-butyl ether	25.0	23.9		ug/L		96	77 - 120
Methylcyclohexane	25.0	24.0		ug/L		96	68 - 134

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

Lab Sample ID: LCS 480-568928/5
Matrix: Water
Analysis Batch: 568928

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	21.4		ug/L		86	75 - 124
Styrene	25.0	24.3		ug/L		97	80 - 120
Tetrachloroethene	25.0	25.1		ug/L		100	74 - 122
Toluene	25.0	23.6		ug/L		95	80 - 122
trans-1,2-Dichloroethene	25.0	23.8		ug/L		95	73 - 127
trans-1,3-Dichloropropene	25.0	24.2		ug/L		97	80 - 120
Trichloroethene	25.0	23.4		ug/L		94	74 - 123
Trichlorofluoromethane	25.0	24.1		ug/L		96	62 - 150
Vinyl chloride	25.0	24.0		ug/L		96	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*101*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*
Dibromofluoromethane (Surr)	*100*		*75 - 123*

Lab Sample ID: 480-181020-1 MS
Matrix: Water
Analysis Batch: 568928

Client Sample ID: RW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	35		25.0	65.1		ug/L		119	73 - 126
1,1,2,2-Tetrachloroethane	ND		25.0	28.1		ug/L		113	76 - 120
1,1,2-Trichloroethane	ND		25.0	27.7		ug/L		111	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	27.2		ug/L		109	61 - 148
1,1-Dichloroethane	1.2		25.0	30.3		ug/L		116	77 - 120
1,1-Dichloroethene	0.79	J	25.0	29.2		ug/L		114	66 - 127
1,2,4-Trichlorobenzene	ND		25.0	28.1		ug/L		113	79 - 122
1,2-Dibromo-3-Chloropropane	ND		25.0	28.3		ug/L		113	56 - 134
1,2-Dichlorobenzene	ND		25.0	27.4		ug/L		110	80 - 124
1,2-Dichloroethane	ND		25.0	26.9		ug/L		108	75 - 120
1,2-Dichloropropane	ND		25.0	27.3		ug/L		109	76 - 120
1,3-Dichlorobenzene	ND		25.0	28.3		ug/L		113	77 - 120
1,4-Dichlorobenzene	ND		25.0	27.1		ug/L		108	78 - 124
2-Butanone (MEK)	ND		125	152		ug/L		122	57 - 140
2-Hexanone	ND		125	149		ug/L		119	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		125	145		ug/L		116	71 - 125
Acetone	ND		125	148		ug/L		119	56 - 142
Benzene	ND		25.0	27.8		ug/L		111	71 - 124
Bromodichloromethane	ND		25.0	28.6		ug/L		114	80 - 122
Bromoform	ND		25.0	29.7		ug/L		119	61 - 132
Bromomethane	ND		25.0	27.7		ug/L		111	55 - 144
Carbon disulfide	ND		25.0	25.5		ug/L		102	59 - 134
Carbon tetrachloride	ND		25.0	30.2		ug/L		121	72 - 134
Chlorobenzene	ND		25.0	28.7		ug/L		115	80 - 120
Dibromochloromethane	ND		25.0	29.4		ug/L		118	75 - 125
Chloroethane	ND		25.0	26.1		ug/L		104	69 - 136
Chloroform	ND		25.0	26.6		ug/L		106	73 - 127

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

Lab Sample ID: 480-181020-1 MS
Matrix: Water
Analysis Batch: 568928

Client Sample ID: RW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	ND		25.0	30.1		ug/L		121	68 - 124
cis-1,2-Dichloroethene	ND		25.0	28.0		ug/L		112	74 - 124
cis-1,3-Dichloropropene	ND		25.0	26.6		ug/L		106	74 - 124
Cyclohexane	ND		25.0	27.1		ug/L		108	59 - 135
Dichlorodifluoromethane	ND		25.0	29.1		ug/L		116	59 - 135
Ethylbenzene	ND		25.0	28.2		ug/L		113	77 - 123
1,2-Dibromoethane	ND		25.0	27.9		ug/L		111	77 - 120
Isopropylbenzene	ND		25.0	27.6		ug/L		110	77 - 122
Methyl acetate	ND		50.0	52.0		ug/L		104	74 - 133
Methyl tert-butyl ether	ND		25.0	26.4		ug/L		106	77 - 120
Methylcyclohexane	ND		25.0	25.7		ug/L		103	68 - 134
Methylene Chloride	ND		25.0	25.5		ug/L		102	75 - 124
Styrene	ND		25.0	27.9		ug/L		112	80 - 120
Tetrachloroethene	ND		25.0	29.2		ug/L		117	74 - 122
Toluene	ND		25.0	27.7		ug/L		111	80 - 122
trans-1,2-Dichloroethene	ND		25.0	29.0		ug/L		116	73 - 127
trans-1,3-Dichloropropene	ND		25.0	26.3		ug/L		105	80 - 120
Trichloroethene	ND		25.0	28.3		ug/L		113	74 - 123
Trichlorofluoromethane	ND		25.0	28.5		ug/L		114	62 - 150
Vinyl chloride	ND		25.0	28.7		ug/L		115	65 - 133

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

Lab Sample ID: 480-181020-1 MSD
Matrix: Water
Analysis Batch: 568928

Client Sample ID: RW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	35		25.0	63.3		ug/L		112	73 - 126	3	15
1,1,2,2-Tetrachloroethane	ND		25.0	27.3		ug/L		109	76 - 120	3	15
1,1,2-Trichloroethane	ND		25.0	27.7		ug/L		111	76 - 122	0	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	25.9		ug/L		103	61 - 148	5	20
1,1-Dichloroethane	1.2		25.0	29.8		ug/L		114	77 - 120	2	20
1,1-Dichloroethene	0.79	J	25.0	28.8		ug/L		112	66 - 127	1	16
1,2,4-Trichlorobenzene	ND		25.0	28.2		ug/L		113	79 - 122	0	20
1,2-Dibromo-3-Chloropropane	ND		25.0	27.5		ug/L		110	56 - 134	3	15
1,2-Dichlorobenzene	ND		25.0	27.3		ug/L		109	80 - 124	0	20
1,2-Dichloroethane	ND		25.0	26.8		ug/L		107	75 - 120	0	20
1,2-Dichloropropane	ND		25.0	26.7		ug/L		107	76 - 120	2	20
1,3-Dichlorobenzene	ND		25.0	27.4		ug/L		110	77 - 120	3	20
1,4-Dichlorobenzene	ND		25.0	26.7		ug/L		107	78 - 124	2	20
2-Butanone (MEK)	ND		125	146		ug/L		117	57 - 140	4	20
2-Hexanone	ND		125	146		ug/L		116	65 - 127	2	15
4-Methyl-2-pentanone (MIBK)	ND		125	140		ug/L		112	71 - 125	3	35

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

Lab Sample ID: 480-181020-1 MSD
Matrix: Water
Analysis Batch: 568928

Client Sample ID: RW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		125	142		ug/L		114	56 - 142	4	15
Benzene	ND		25.0	26.8		ug/L		107	71 - 124	3	13
Bromodichloromethane	ND		25.0	28.0		ug/L		112	80 - 122	2	15
Bromoform	ND		25.0	30.0		ug/L		120	61 - 132	1	15
Bromomethane	ND		25.0	24.6		ug/L		98	55 - 144	12	15
Carbon disulfide	ND		25.0	24.8		ug/L		99	59 - 134	3	15
Carbon tetrachloride	ND		25.0	29.2		ug/L		117	72 - 134	3	15
Chlorobenzene	ND		25.0	28.1		ug/L		113	80 - 120	2	25
Dibromochloromethane	ND		25.0	29.2		ug/L		117	75 - 125	1	15
Chloroethane	ND		25.0	23.0		ug/L		92	69 - 136	12	15
Chloroform	ND		25.0	26.3		ug/L		105	73 - 127	1	20
Chloromethane	ND		25.0	27.3		ug/L		109	68 - 124	10	15
cis-1,2-Dichloroethene	ND		25.0	27.3		ug/L		109	74 - 124	2	15
cis-1,3-Dichloropropene	ND		25.0	25.7		ug/L		103	74 - 124	3	15
Cyclohexane	ND		25.0	26.6		ug/L		106	59 - 135	2	20
Dichlorodifluoromethane	ND		25.0	26.0		ug/L		104	59 - 135	11	20
Ethylbenzene	ND		25.0	28.2		ug/L		113	77 - 123	0	15
1,2-Dibromoethane	ND		25.0	27.8		ug/L		111	77 - 120	0	15
Isopropylbenzene	ND		25.0	27.7		ug/L		111	77 - 122	1	20
Methyl acetate	ND		50.0	49.1		ug/L		98	74 - 133	6	20
Methyl tert-butyl ether	ND		25.0	26.5		ug/L		106	77 - 120	0	37
Methylcyclohexane	ND		25.0	25.9		ug/L		104	68 - 134	1	20
Methylene Chloride	ND		25.0	24.8		ug/L		99	75 - 124	3	15
Styrene	ND		25.0	28.0		ug/L		112	80 - 120	0	20
Tetrachloroethene	ND		25.0	29.0		ug/L		116	74 - 122	0	20
Toluene	ND		25.0	28.1		ug/L		112	80 - 122	1	15
trans-1,2-Dichloroethene	ND		25.0	27.6		ug/L		111	73 - 127	5	20
trans-1,3-Dichloropropene	ND		25.0	26.5		ug/L		106	80 - 120	1	15
Trichloroethene	ND		25.0	27.3		ug/L		109	74 - 123	4	16
Trichlorofluoromethane	ND		25.0	25.9		ug/L		104	62 - 150	9	20
Vinyl chloride	ND		25.0	26.9		ug/L		108	65 - 133	6	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*98*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*
Dibromofluoromethane (Surr)	*99*		*75 - 123*

QC Association Summary

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

Job ID: 480-181020-1

GC/MS VOA

Analysis Batch: 568928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-181020-1	RW-1	Total/NA	Water	8260C	
480-181020-2	RW-2	Total/NA	Water	8260C	
480-181020-3	EFFLUENT 46 Hz	Total/NA	Water	8260C	
480-181020-4	TRIP BLANK	Total/NA	Water	8260C	
MB 480-568928/7	Method Blank	Total/NA	Water	8260C	
LCS 480-568928/5	Lab Control Sample	Total/NA	Water	8260C	
480-181020-1 MS	RW-1	Total/NA	Water	8260C	
480-181020-1 MSD	RW-1	Total/NA	Water	8260C	

Lab Chronicle

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

Job ID: 480-181020-1

Client Sample ID: RW-1
Lab Sample ID: 480-181020-1
Date Collected: 02/09/21 10:30
Matrix: Water
Date Received: 02/10/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	568928	02/10/21 18:15	RJF	TAL BUF

Client Sample ID: RW-2
Lab Sample ID: 480-181020-2
Date Collected: 02/09/21 10:40
Matrix: Water
Date Received: 02/10/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	568928	02/10/21 18:40	RJF	TAL BUF

Client Sample ID: EFFLUENT 46 Hz
Lab Sample ID: 480-181020-3
Date Collected: 02/09/21 10:50
Matrix: Water
Date Received: 02/10/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	568928	02/10/21 19:04	RJF	TAL BUF

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-181020-4
Date Collected: 02/09/21 10:50
Matrix: Water
Date Received: 02/10/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	568928	02/10/21 19:29	RJF	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: 480-181020-1
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	03-31-21

Method Summary

Client: New York State D.E.C.
Job ID: 480-181020-1
Project/Site: Gladding Corporation #709009

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

Protocol References:

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

Laboratory References:

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

Sample Summary

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

Job ID: 480-181020-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-181020-1	RW-1	Water	02/09/21 10:30	02/10/21 08:00	
480-181020-2	RW-2	Water	02/09/21 10:40	02/10/21 08:00	
480-181020-3	EFFLUENT 46 Hz	Water	02/09/21 10:50	02/10/21 08:00	
480-181020-4	TRIP BLANK	Water	02/09/21 10:50	02/10/21 08:00	

CHAIN OF CUSTODY

Client: New York State Dept. of Environmental Conservation

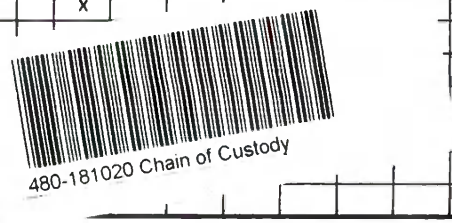
FED-EX Tracking # Syracuse #225 | Bottle Order Control #

Lab Quote # | Lab Job #

CLIENT/REPORTING INFORMATION	PROJECT INFORMATION	BILLING INFORMATION
Groundwater & Environmental Services, Inc. 5 Technology Place, East Syracuse, NY 13057 **Project Manager:** Scott McDonald **Phone #:** 800-220-3069 SMcDonald@gesonline.com NERegion@gesonline.com **Extension #:** 4066	**Project Name:** NYSDEC South Otselic, One Gladding Street **Project Address:** One Gladding Road, South Otselic, NY **Project PSID #:** 878060	Groundwater & Environmental Services, Inc. ges-invoices@gesonline.com ATTN: Accounts Payable **Invoice Instructions (Project #/ Phase / Task / Altorg)** 0603178/05/220/1106 NYSDEC Site Code = 709009, Lab project # = 48022018

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

Lab Sample #	Field ID / Point of Collection (Sys_loc_code)	Depth Interval (ft)	Date Sampled	Time Sampled	Sampler	Matrix	Total # Bottles	number of preserved bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Amber	REQUESTED ANALYSIS (see Test Code sheet): EPA Method 8260 full list	LAB USE ONLY
	RW-1	—	2/9/21	1030	GE	WG	3	X									X	
	RW-1 MS	—	2/9/21	1030	GE	WG	3	X									X	
	RW-1 MSD	—	2/9/21	1030	GE	WG	3	X									X	
	RW-2	—	2/9/21	1040	GE	WG	3	X									X	
	Effluent 46 Hz	—	2/9/21	1050	GE	WG	3	X									X	
	Trip Blank	—	2/9/21	1050	GE	WQ	2	X									X	
			2/9/21	AP														



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

- [x] Standard 14 Days ____/
- [ ] 1 day RUSH ____/
- [ ] Other ____ ____/

Laboratory Information

Lab: Eurofins TestAmerica, Buffalo
Address: 10 Hazelwood Drive, Amherst, NY 14228-2298
Phone: 716-691-2600
Lab PM: Judy Stone
Lab PM Email: judy.stone@testamericainc.com

Data Deliverable Information

- [ ] Commercial 'A' (Level 1) = Results Only
- [ ] Commercial 'B' (Level 2) = Results + QC Summary
- [ ] FULLT1 (Level 3 & 4)
- [ ] NJ Reduced = Results + QC Summary + Partial Raw Data
- [ ] Commercial 'C'
- [ ] *NJ Data of Known Quality Protocol Reporting*
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [x] EDD Format NYSDEC Ver. 4
- [ ] Other ____

Please Email the EQ EDD Package to ges@equisonline.com, Email Lab Report to NERegion@gesonline.com, Jthomas@gesonline.com

EQEDD Name: NYSDEC South Otselic, One Gladding Street_LabReport#.31654.EQEDD.zip

Sample Custody must be documented below each time samples change possession, including courier.

	Date / Time	Received By
Relinquished By Sampler: 1	2/9/21 1540	Received By: 1 ESS
Relinquished By: 2	2-9-21, 1900	Received By: 2
Relinquished By: 3	Date / Time: 3	Received By: 3 TAR 2/10/21 0800

Custody Seal Number: ☐ Intact ☐ Not Intact ☐ Preserved where applicable ☐ On Ice Cooler Temp ____

3.4 #1

Page 26 of 27

2/12/2021

Login Sample Receipt Checklist

Client: New York State D.E.C. Job Number: 480-181020-1

Login Number: 181020 **List Source: Eurofins TestAmerica, Buffalo**
List Number: 1
Creator: Stopa, Erik S

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

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 480-181881-1
Client Project/Site: Gladding Corporation #709009

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

Attn: Mr. Payson Long

Judy Stone

Authorized for release by:
3/15/2021 6:43:29 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
3/15/2021 6:43:29 PM

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Detection Summary 6
Client Sample Results 7
Surrogate Summary 15
QC Sample Results 16
QC Association Summary 21
Lab Chronicle 22
Certification Summary 23
Method Summary 24
Sample Summary 25
Chain of Custody 26
Receipt Checklists 27

Definitions/Glossary

Client: New York State D.E.C.
Job ID: 480-181881-1
Project/Site: Gladding Corporation #709009

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
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: 480-181881-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-181881-1

Receipt
The samples were received on 3/10/2021 9:30 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 3.4º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-572202 recovered above the upper control limit for Carbon disulfide, Carbon tetrachloride, Cyclohexane, Vinyl chloride, cis-1,2-Dichloroethene, Methylene Chloride, 1,1-Dichloroethene, 1,1,2-Trichloro-1,2,2-trifluoroethane, Trichlorofluoromethane, Methylcyclohexane, Methyl tert-butyl ether and trans-1,2-Dichloroethene. The samples associated with this CCVIS were non-detect or below the reporting limit (RL) for the affected analytes; therefore, the data have been reported. The associated samples are impacted: RW-1 (480-181881-1), RW-2 (480-181881-2), EFFLUENT 46 HZ (480-181881-3) and TRIP BLANK (480-181881-4).

Method 8260C: The continuing calibration verification (CCVIS) associated with batch 480-572202 recovered above the upper control limit for 1,1,1-Trichloroethane and 1,1-Dichloroethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: EFFLUENT 46 HZ (480-181881-3) and TRIP BLANK (480-181881-4).

Method 8260C: The continuing calibration verification (CCVIS) associated with batch 480-572202 recovered above the upper control limit for 1,1-Dichloroethane. The sample associated with this CCVIS was below the reporting limit (RL) for the affected analyte; therefore, the data have been reported. The associated sample is impacted: RW-2 (480-181881-2).

Method 8260C: The continuing calibration verification (CCVIS) analyzed in 480-572202 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 is considered estimated. The associated samples are: RW-1 (480-181881-1) and RW-2 (480-181881-2).

Method 8260C: The continuing calibration verification (CCVIS) analyzed in 480-572202 was outside the method criteria for the following analyte: 1,1-Dichloroethane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated. The associated sample is: RW-1 (480-181881-1).

Method 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 480-572202 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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: 480-181881-1
Project/Site: Gladding Corporation #709009

Client Sample ID: RW-1 — Lab Sample ID: 480-181881-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	39	F1	1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	1.3	F1	1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	0.99	J	1.0	0.29	ug/L	1		8260C	Total/NA

Client Sample ID: RW-2 — Lab Sample ID: 480-181881-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	30		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	0.65	J	1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	0.77	J	1.0	0.29	ug/L	1		8260C	Total/NA

Client Sample ID: EFFLUENT 46 HZ — Lab Sample ID: 480-181881-3

No Detections.

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-181881-4

No Detections.

This Detection Summary does not include radiochemical test results.

Client: New York State D.E.C.
Job ID: 480-181881-1
Project/Site: Gladding Corporation #709009

Client Sample ID: RW-1
Lab Sample ID: 480-181881-1
Date Collected: 03/09/21 13:30
Matrix: Water
Date Received: 03/10/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**39**	**F1**	1.0	0.82	ug/L			03/12/21 03:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/12/21 03:06	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/12/21 03:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/12/21 03:06	1
1,1-Dichloroethane	**1.3**	**F1**	1.0	0.38	ug/L			03/12/21 03:06	1
1,1-Dichloroethene	**0.99**	**J**	1.0	0.29	ug/L			03/12/21 03:06	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/12/21 03:06	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/12/21 03:06	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/12/21 03:06	1
1,2-Dichloroethane	ND	F1	1.0	0.21	ug/L			03/12/21 03:06	1
1,2-Dichloropropane	ND	F1	1.0	0.72	ug/L			03/12/21 03:06	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/12/21 03:06	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/12/21 03:06	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/12/21 03:06	1
2-Hexanone	ND	F1	5.0	1.2	ug/L			03/12/21 03:06	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/12/21 03:06	1
Acetone	ND		10	3.0	ug/L			03/12/21 03:06	1
Benzene	ND		1.0	0.41	ug/L			03/12/21 03:06	1
Bromodichloromethane	ND	F1	1.0	0.39	ug/L			03/12/21 03:06	1
Bromoform	ND		1.0	0.26	ug/L			03/12/21 03:06	1
Bromomethane	ND		1.0	0.69	ug/L			03/12/21 03:06	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/12/21 03:06	1
Carbon tetrachloride	ND	F1	1.0	0.27	ug/L			03/12/21 03:06	1
Chlorobenzene	ND	F1	1.0	0.75	ug/L			03/12/21 03:06	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/12/21 03:06	1
Chloroethane	ND		1.0	0.32	ug/L			03/12/21 03:06	1
Chloroform	ND		1.0	0.34	ug/L			03/12/21 03:06	1
Chloromethane	ND	F1	1.0	0.35	ug/L			03/12/21 03:06	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/12/21 03:06	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/12/21 03:06	1
Cyclohexane	ND		1.0	0.18	ug/L			03/12/21 03:06	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/12/21 03:06	1
Ethylbenzene	ND	F1	1.0	0.74	ug/L			03/12/21 03:06	1
1,2-Dibromoethane	ND	F1	1.0	0.73	ug/L			03/12/21 03:06	1
Isopropylbenzene	ND	F1	1.0	0.79	ug/L			03/12/21 03:06	1
Methyl acetate	ND		2.5	1.3	ug/L			03/12/21 03:06	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/12/21 03:06	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/12/21 03:06	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/12/21 03:06	1
Styrene	ND	F1	1.0	0.73	ug/L			03/12/21 03:06	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/12/21 03:06	1
Toluene	ND		1.0	0.51	ug/L			03/12/21 03:06	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/12/21 03:06	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/12/21 03:06	1
Trichloroethene	ND	F1	1.0	0.46	ug/L			03/12/21 03:06	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/12/21 03:06	1
Vinyl chloride	ND	F1	1.0	0.90	ug/L			03/12/21 03:06	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/12/21 03:06	1

Client: New York State D.E.C.
Job ID: 480-181881-1
Project/Site: Gladding Corporation #709009

Client Sample ID: RW-1
Lab Sample ID: 480-181881-1
Date Collected: 03/09/21 13:30
Matrix: Water
Date Received: 03/10/21 09:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	109		80 - 120		03/12/21 03:06	1
1,2-Dichloroethane-d4 (Surr)	108		77 - 120		03/12/21 03:06	1
4-Bromofluorobenzene (Surr)	108		73 - 120		03/12/21 03:06	1
Dibromofluoromethane (Surr)	107		75 - 123		03/12/21 03:06	1

Client: New York State D.E.C.
Job ID: 480-181881-1
Project/Site: Gladding Corporation #709009

Client Sample ID: RW-2
Lab Sample ID: 480-181881-2
Date Collected: 03/09/21 13:20
Matrix: Water
Date Received: 03/10/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**30**		1.0	0.82	ug/L			03/12/21 03:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/12/21 03:30	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/12/21 03:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/12/21 03:30	1
1,1-Dichloroethane	**0.65**	**J**	1.0	0.38	ug/L			03/12/21 03:30	1
1,1-Dichloroethene	**0.77**	**J**	1.0	0.29	ug/L			03/12/21 03:30	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/12/21 03:30	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/12/21 03:30	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/12/21 03:30	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/12/21 03:30	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/12/21 03:30	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/12/21 03:30	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/12/21 03:30	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/12/21 03:30	1
2-Hexanone	ND		5.0	1.2	ug/L			03/12/21 03:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/12/21 03:30	1
Acetone	ND		10	3.0	ug/L			03/12/21 03:30	1
Benzene	ND		1.0	0.41	ug/L			03/12/21 03:30	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/12/21 03:30	1
Bromoform	ND		1.0	0.26	ug/L			03/12/21 03:30	1
Bromomethane	ND		1.0	0.69	ug/L			03/12/21 03:30	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/12/21 03:30	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/12/21 03:30	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/12/21 03:30	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/12/21 03:30	1
Chloroethane	ND		1.0	0.32	ug/L			03/12/21 03:30	1
Chloroform	ND		1.0	0.34	ug/L			03/12/21 03:30	1
Chloromethane	ND		1.0	0.35	ug/L			03/12/21 03:30	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/12/21 03:30	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/12/21 03:30	1
Cyclohexane	ND		1.0	0.18	ug/L			03/12/21 03:30	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/12/21 03:30	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/12/21 03:30	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/12/21 03:30	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/12/21 03:30	1
Methyl acetate	ND		2.5	1.3	ug/L			03/12/21 03:30	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/12/21 03:30	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/12/21 03:30	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/12/21 03:30	1
Styrene	ND		1.0	0.73	ug/L			03/12/21 03:30	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/12/21 03:30	1
Toluene	ND		1.0	0.51	ug/L			03/12/21 03:30	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/12/21 03:30	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/12/21 03:30	1
Trichloroethene	ND		1.0	0.46	ug/L			03/12/21 03:30	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/12/21 03:30	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/12/21 03:30	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/12/21 03:30	1

Client: New York State D.E.C.
Job ID: 480-181881-1
Project/Site: Gladding Corporation #709009

Client Sample ID: RW-2
Lab Sample ID: 480-181881-2
Date Collected: 03/09/21 13:20
Matrix: Water
Date Received: 03/10/21 09:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		80 - 120		03/12/21 03:30	1
1,2-Dichloroethane-d4 (Surr)	112		77 - 120		03/12/21 03:30	1
4-Bromofluorobenzene (Surr)	106		73 - 120		03/12/21 03:30	1
Dibromofluoromethane (Surr)	112		75 - 123		03/12/21 03:30	1

Client: New York State D.E.C.
Job ID: 480-181881-1
Project/Site: Gladding Corporation #709009

Client Sample ID: EFFLUENT 46 HZ
Lab Sample ID: 480-181881-3
Date Collected: 03/09/21 13:15
Matrix: Water
Date Received: 03/10/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/12/21 03:54	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/12/21 03:54	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/12/21 03:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/12/21 03:54	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/12/21 03:54	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/12/21 03:54	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/12/21 03:54	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/12/21 03:54	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/12/21 03:54	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/12/21 03:54	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/12/21 03:54	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/12/21 03:54	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/12/21 03:54	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/12/21 03:54	1
2-Hexanone	ND		5.0	1.2	ug/L			03/12/21 03:54	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/12/21 03:54	1
Acetone	ND		10	3.0	ug/L			03/12/21 03:54	1
Benzene	ND		1.0	0.41	ug/L			03/12/21 03:54	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/12/21 03:54	1
Bromoform	ND		1.0	0.26	ug/L			03/12/21 03:54	1
Bromomethane	ND		1.0	0.69	ug/L			03/12/21 03:54	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/12/21 03:54	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/12/21 03:54	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/12/21 03:54	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/12/21 03:54	1
Chloroethane	ND		1.0	0.32	ug/L			03/12/21 03:54	1
Chloroform	ND		1.0	0.34	ug/L			03/12/21 03:54	1
Chloromethane	ND		1.0	0.35	ug/L			03/12/21 03:54	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/12/21 03:54	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/12/21 03:54	1
Cyclohexane	ND		1.0	0.18	ug/L			03/12/21 03:54	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/12/21 03:54	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/12/21 03:54	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/12/21 03:54	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/12/21 03:54	1
Methyl acetate	ND		2.5	1.3	ug/L			03/12/21 03:54	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/12/21 03:54	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/12/21 03:54	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/12/21 03:54	1
Styrene	ND		1.0	0.73	ug/L			03/12/21 03:54	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/12/21 03:54	1
Toluene	ND		1.0	0.51	ug/L			03/12/21 03:54	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/12/21 03:54	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/12/21 03:54	1
Trichloroethene	ND		1.0	0.46	ug/L			03/12/21 03:54	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/12/21 03:54	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/12/21 03:54	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/12/21 03:54	1

Client: New York State D.E.C.
Job ID: 480-181881-1
Project/Site: Gladding Corporation #709009

Client Sample ID: EFFLUENT 46 HZ
Lab Sample ID: 480-181881-3
Date Collected: 03/09/21 13:15
Matrix: Water
Date Received: 03/10/21 09:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		80 - 120		03/12/21 03:54	1
1,2-Dichloroethane-d4 (Surr)	114		77 - 120		03/12/21 03:54	1
4-Bromofluorobenzene (Surr)	107		73 - 120		03/12/21 03:54	1
Dibromofluoromethane (Surr)	113		75 - 123		03/12/21 03:54	1

Client: New York State D.E.C.
Job ID: 480-181881-1
Project/Site: Gladding Corporation #709009

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-181881-4
Date Collected: 03/09/21 13:40
Matrix: Water
Date Received: 03/10/21 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/12/21 04:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/12/21 04:18	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/12/21 04:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/12/21 04:18	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/12/21 04:18	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/12/21 04:18	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/12/21 04:18	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/12/21 04:18	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/12/21 04:18	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/12/21 04:18	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/12/21 04:18	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/12/21 04:18	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/12/21 04:18	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/12/21 04:18	1
2-Hexanone	ND		5.0	1.2	ug/L			03/12/21 04:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/12/21 04:18	1
Acetone	ND		10	3.0	ug/L			03/12/21 04:18	1
Benzene	ND		1.0	0.41	ug/L			03/12/21 04:18	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/12/21 04:18	1
Bromoform	ND		1.0	0.26	ug/L			03/12/21 04:18	1
Bromomethane	ND		1.0	0.69	ug/L			03/12/21 04:18	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/12/21 04:18	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/12/21 04:18	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/12/21 04:18	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/12/21 04:18	1
Chloroethane	ND		1.0	0.32	ug/L			03/12/21 04:18	1
Chloroform	ND		1.0	0.34	ug/L			03/12/21 04:18	1
Chloromethane	ND		1.0	0.35	ug/L			03/12/21 04:18	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/12/21 04:18	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/12/21 04:18	1
Cyclohexane	ND		1.0	0.18	ug/L			03/12/21 04:18	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/12/21 04:18	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/12/21 04:18	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/12/21 04:18	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/12/21 04:18	1
Methyl acetate	ND		2.5	1.3	ug/L			03/12/21 04:18	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/12/21 04:18	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/12/21 04:18	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/12/21 04:18	1
Styrene	ND		1.0	0.73	ug/L			03/12/21 04:18	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/12/21 04:18	1
Toluene	ND		1.0	0.51	ug/L			03/12/21 04:18	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/12/21 04:18	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/12/21 04:18	1
Trichloroethene	ND		1.0	0.46	ug/L			03/12/21 04:18	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/12/21 04:18	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/12/21 04:18	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/12/21 04:18	1

Client: New York State D.E.C.
Job ID: 480-181881-1
Project/Site: Gladding Corporation #709009

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-181881-4
Date Collected: 03/09/21 13:40
Matrix: Water
Date Received: 03/10/21 09:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		80 - 120		03/12/21 04:18	1
1,2-Dichloroethane-d4 (Surr)	113		77 - 120		03/12/21 04:18	1
4-Bromofluorobenzene (Surr)	106		73 - 120		03/12/21 04:18	1
Dibromofluoromethane (Surr)	109		75 - 123		03/12/21 04:18	1

Surrogate Summary

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

Job ID: 480-181881-1

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)
480-181881-1	RW-1	109	108	108	107
480-181881-1 MS	RW-1	106	109	107	107
480-181881-1 MSD	RW-1	107	112	110	109
480-181881-2	RW-2	106	112	106	112
480-181881-3	EFFLUENT 46 HZ	105	114	107	113
480-181881-4	TRIP BLANK	105	113	106	109
LCS 480-572202/6	Lab Control Sample	104	108	106	108
MB 480-572202/8	Method Blank	107	110	104	108

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 480-572202/8
Matrix: Water
Analysis Batch: 572202

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/12/21 01:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/12/21 01:06	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/12/21 01:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			03/12/21 01:06	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/12/21 01:06	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/12/21 01:06	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			03/12/21 01:06	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			03/12/21 01:06	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			03/12/21 01:06	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/12/21 01:06	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/12/21 01:06	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			03/12/21 01:06	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			03/12/21 01:06	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/12/21 01:06	1
2-Hexanone	ND		5.0	1.2	ug/L			03/12/21 01:06	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/12/21 01:06	1
Acetone	ND		10	3.0	ug/L			03/12/21 01:06	1
Benzene	ND		1.0	0.41	ug/L			03/12/21 01:06	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/12/21 01:06	1
Bromoform	ND		1.0	0.26	ug/L			03/12/21 01:06	1
Bromomethane	ND		1.0	0.69	ug/L			03/12/21 01:06	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/12/21 01:06	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/12/21 01:06	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/12/21 01:06	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/12/21 01:06	1
Chloroethane	ND		1.0	0.32	ug/L			03/12/21 01:06	1
Chloroform	ND		1.0	0.34	ug/L			03/12/21 01:06	1
Chloromethane	ND		1.0	0.35	ug/L			03/12/21 01:06	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/12/21 01:06	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/12/21 01:06	1
Cyclohexane	ND		1.0	0.18	ug/L			03/12/21 01:06	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			03/12/21 01:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/12/21 01:06	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			03/12/21 01:06	1
Isopropylbenzene	ND		1.0	0.79	ug/L			03/12/21 01:06	1
Methyl acetate	ND		2.5	1.3	ug/L			03/12/21 01:06	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			03/12/21 01:06	1
Methylcyclohexane	ND		1.0	0.16	ug/L			03/12/21 01:06	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/12/21 01:06	1
Styrene	ND		1.0	0.73	ug/L			03/12/21 01:06	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/12/21 01:06	1
Toluene	ND		1.0	0.51	ug/L			03/12/21 01:06	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/12/21 01:06	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/12/21 01:06	1
Trichloroethene	ND		1.0	0.46	ug/L			03/12/21 01:06	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			03/12/21 01:06	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/12/21 01:06	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/12/21 01:06	1

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

Lab Sample ID: MB 480-572202/8
Matrix: Water
Analysis Batch: 572202

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*107*		*80 - 120*		*03/12/21 01:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*03/12/21 01:06*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*03/12/21 01:06*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*03/12/21 01:06*	*1*

Lab Sample ID: LCS 480-572202/6
Matrix: Water
Analysis Batch: 572202

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	27.7		ug/L		111	73 - 126
1,1,2,2-Tetrachloroethane	25.0	27.3		ug/L		109	76 - 120
1,1,2-Trichloroethane	25.0	26.5		ug/L		106	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	27.7		ug/L		111	61 - 148
1,1-Dichloroethane	25.0	26.3		ug/L		105	77 - 120
1,1-Dichloroethene	25.0	26.4		ug/L		106	66 - 127
1,2,4-Trichlorobenzene	25.0	26.7		ug/L		107	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	27.4		ug/L		110	56 - 134
1,2-Dichlorobenzene	25.0	26.4		ug/L		106	80 - 124
1,2-Dichloroethane	25.0	26.8		ug/L		107	75 - 120
1,2-Dichloropropane	25.0	27.7		ug/L		111	76 - 120
1,3-Dichlorobenzene	25.0	27.0		ug/L		108	77 - 120
1,4-Dichlorobenzene	25.0	26.9		ug/L		108	80 - 120
2-Butanone (MEK)	125	142		ug/L		113	57 - 140
2-Hexanone	125	137		ug/L		110	65 - 127
4-Methyl-2-pentanone (MIBK)	125	135		ug/L		108	71 - 125
Acetone	125	138		ug/L		110	56 - 142
Benzene	25.0	26.1		ug/L		105	71 - 124
Bromodichloromethane	25.0	26.5		ug/L		106	80 - 122
Bromoform	25.0	27.6		ug/L		111	61 - 132
Bromomethane	25.0	24.8		ug/L		99	55 - 144
Carbon disulfide	25.0	25.8		ug/L		103	59 - 134
Carbon tetrachloride	25.0	28.1		ug/L		112	72 - 134
Chlorobenzene	25.0	25.5		ug/L		102	80 - 120
Dibromochloromethane	25.0	27.3		ug/L		109	75 - 125
Chloroethane	25.0	24.3		ug/L		97	69 - 136
Chloroform	25.0	25.7		ug/L		103	73 - 127
Chloromethane	25.0	25.7		ug/L		103	68 - 124
cis-1,2-Dichloroethene	25.0	25.4		ug/L		102	74 - 124
cis-1,3-Dichloropropene	25.0	27.6		ug/L		110	74 - 124
Cyclohexane	25.0	26.7		ug/L		107	59 - 135
Dichlorodifluoromethane	25.0	27.0		ug/L		108	59 - 135
Ethylbenzene	25.0	25.5		ug/L		102	77 - 123
1,2-Dibromoethane	25.0	27.5		ug/L		110	77 - 120
Isopropylbenzene	25.0	27.0		ug/L		108	77 - 122
Methyl acetate	50.0	53.5		ug/L		107	74 - 133
Methyl tert-butyl ether	25.0	27.2		ug/L		109	77 - 120
Methylcyclohexane	25.0	27.3		ug/L		109	68 - 134

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

Lab Sample ID: LCS 480-572202/6
Matrix: Water
Analysis Batch: 572202

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	26.4		ug/L		106	80 - 120		
Tetrachloroethene			25.0	25.7		ug/L		103	74 - 122		
Toluene			25.0	25.8		ug/L		103	80 - 122		
trans-1,2-Dichloroethene			25.0	26.5		ug/L		106	73 - 127		
trans-1,3-Dichloropropene			25.0	27.0		ug/L		108	80 - 120		
Trichloroethene			25.0	27.1		ug/L		109	74 - 123		
Trichlorofluoromethane			25.0	28.4		ug/L		114	62 - 150		
Vinyl chloride			25.0	27.2		ug/L		109	65 - 133		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*104*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*
Dibromofluoromethane (Surr)	*108*		*75 - 123*

Lab Sample ID: 480-181881-1 MS
Matrix: Water
Analysis Batch: 572202

Client Sample ID: RW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1,1-Trichloroethane	39	F1	25.0	72.2	F1	ug/L		131	73 - 126		
1,1,2,2-Tetrachloroethane	ND		25.0	30.0		ug/L		120	76 - 120		
1,1,2-Trichloroethane	ND		25.0	29.7		ug/L		119	76 - 122		
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	27.5		ug/L		110	61 - 148		
1,1-Dichloroethane	1.3	F1	25.0	31.8	F1	ug/L		122	77 - 120		
1,1-Dichloroethene	0.99	J	25.0	32.3		ug/L		125	66 - 127		
1,2,4-Trichlorobenzene	ND		25.0	29.1		ug/L		116	79 - 122		
1,2-Dibromo-3-Chloropropane	ND		25.0	28.4		ug/L		114	56 - 134		
1,2-Dichlorobenzene	ND		25.0	29.0		ug/L		116	80 - 124		
1,2-Dichloroethane	ND	F1	25.0	30.3	F1	ug/L		121	75 - 120		
1,2-Dichloropropane	ND	F1	25.0	32.3	F1	ug/L		129	76 - 120		
1,3-Dichlorobenzene	ND		25.0	30.1		ug/L		120	77 - 120		
1,4-Dichlorobenzene	ND		25.0	29.9		ug/L		119	78 - 124		
2-Butanone (MEK)	ND		125	163		ug/L		130	57 - 140		
2-Hexanone	ND	F1	125	165	F1	ug/L		132	65 - 127		
4-Methyl-2-pentanone (MIBK)	ND		125	151		ug/L		121	71 - 125		
Acetone	ND		125	147		ug/L		118	56 - 142		
Benzene	ND		25.0	31.0		ug/L		124	71 - 124		
Bromodichloromethane	ND	F1	25.0	30.8	F1	ug/L		123	80 - 122		
Bromoform	ND		25.0	31.1		ug/L		125	61 - 132		
Bromomethane	ND		25.0	28.5		ug/L		114	55 - 144		
Carbon disulfide	ND		25.0	27.9		ug/L		112	59 - 134		
Carbon tetrachloride	ND	F1	25.0	34.0	F1	ug/L		136	72 - 134		
Chlorobenzene	ND	F1	25.0	30.2	F1	ug/L		121	80 - 120		
Dibromochloromethane	ND		25.0	30.7		ug/L		123	75 - 125		
Chloroethane	ND		25.0	29.3		ug/L		117	69 - 136		
Chloroform	ND		25.0	29.8		ug/L		119	73 - 127		

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

Lab Sample ID: 480-181881-1 MS
Matrix: Water
Analysis Batch: 572202

Client Sample ID: RW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	ND	F1	25.0	31.2	F1	ug/L		125	68 - 124
cis-1,2-Dichloroethene	ND		25.0	30.4		ug/L		122	74 - 124
cis-1,3-Dichloropropene	ND		25.0	30.2		ug/L		121	74 - 124
Cyclohexane	ND		25.0	29.0		ug/L		116	59 - 135
Dichlorodifluoromethane	ND		25.0	26.8		ug/L		107	59 - 135
Ethylbenzene	ND	F1	25.0	31.0	F1	ug/L		124	77 - 123
1,2-Dibromoethane	ND	F1	25.0	31.1	F1	ug/L		124	77 - 120
Isopropylbenzene	ND	F1	25.0	30.7	F1	ug/L		123	77 - 122
Methyl acetate	ND		50.0	51.7		ug/L		103	74 - 133
Methyl tert-butyl ether	ND		25.0	29.3		ug/L		117	77 - 120
Methylcyclohexane	ND		25.0	29.1		ug/L		116	68 - 134
Methylene Chloride	ND		25.0	27.2		ug/L		109	75 - 124
Styrene	ND	F1	25.0	30.6	F1	ug/L		122	80 - 120
Tetrachloroethene	ND		25.0	30.5		ug/L		122	74 - 122
Toluene	ND		25.0	30.5		ug/L		122	80 - 122
trans-1,2-Dichloroethene	ND		25.0	30.9		ug/L		124	73 - 127
trans-1,3-Dichloropropene	ND		25.0	29.7		ug/L		119	80 - 120
Trichloroethene	ND	F1	25.0	32.6	F1	ug/L		130	74 - 123
Trichlorofluoromethane	ND		25.0	30.9		ug/L		124	62 - 150
Vinyl chloride	ND	F1	25.0	34.5	F1	ug/L		138	65 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*106*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*
Dibromofluoromethane (Surr)	*107*		*75 - 123*

Lab Sample ID: 480-181881-1 MSD
Matrix: Water
Analysis Batch: 572202

Client Sample ID: RW-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	39	F1	25.0	71.0		ug/L		126	73 - 126	2	15
1,1,2,2-Tetrachloroethane	ND		25.0	29.2		ug/L		117	76 - 120	3	15
1,1,2-Trichloroethane	ND		25.0	28.6		ug/L		114	76 - 122	4	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	25.8		ug/L		103	61 - 148	7	20
1,1-Dichloroethane	1.3	F1	25.0	31.0		ug/L		119	77 - 120	3	20
1,1-Dichloroethene	0.99	J	25.0	30.8		ug/L		119	66 - 127	5	16
1,2,4-Trichlorobenzene	ND		25.0	28.0		ug/L		112	79 - 122	4	20
1,2-Dibromo-3-Chloropropane	ND		25.0	28.6		ug/L		115	56 - 134	1	15
1,2-Dichlorobenzene	ND		25.0	27.5		ug/L		110	80 - 124	5	20
1,2-Dichloroethane	ND	F1	25.0	29.2		ug/L		117	75 - 120	4	20
1,2-Dichloropropane	ND	F1	25.0	29.6		ug/L		119	76 - 120	9	20
1,3-Dichlorobenzene	ND		25.0	28.1		ug/L		113	77 - 120	7	20
1,4-Dichlorobenzene	ND		25.0	28.4		ug/L		114	78 - 124	5	20
2-Butanone (MEK)	ND		125	159		ug/L		127	57 - 140	2	20
2-Hexanone	ND	F1	125	158		ug/L		127	65 - 127	4	15
4-Methyl-2-pentanone (MIBK)	ND		125	147		ug/L		118	71 - 125	3	35

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

Lab Sample ID: 480-181881-1 MSD
Client Sample ID: RW-1
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 572202

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		125	144		ug/L		116	56 - 142	2	15
Benzene	ND		25.0	29.8		ug/L		119	71 - 124	4	13
Bromodichloromethane	ND	F1	25.0	29.5		ug/L		118	80 - 122	4	15
Bromoform	ND		25.0	30.6		ug/L		122	61 - 132	2	15
Bromomethane	ND		25.0	29.0		ug/L		116	55 - 144	2	15
Carbon disulfide	ND		25.0	26.3		ug/L		105	59 - 134	6	15
Carbon tetrachloride	ND	F1	25.0	32.1		ug/L		128	72 - 134	6	15
Chlorobenzene	ND	F1	25.0	28.7		ug/L		115	80 - 120	5	25
Dibromochloromethane	ND		25.0	29.7		ug/L		119	75 - 125	3	15
Chloroethane	ND		25.0	28.8		ug/L		115	69 - 136	2	15
Chloroform	ND		25.0	28.5		ug/L		114	73 - 127	5	20
Chloromethane	ND	F1	25.0	30.7		ug/L		123	68 - 124	1	15
cis-1,2-Dichloroethene	ND		25.0	28.4		ug/L		113	74 - 124	7	15
cis-1,3-Dichloropropene	ND		25.0	28.9		ug/L		116	74 - 124	4	15
Cyclohexane	ND		25.0	26.9		ug/L		108	59 - 135	8	20
Dichlorodifluoromethane	ND		25.0	27.2		ug/L		109	59 - 135	2	20
Ethylbenzene	ND	F1	25.0	29.0		ug/L		116	77 - 123	7	15
1,2-Dibromoethane	ND	F1	25.0	29.9		ug/L		120	77 - 120	4	15
Isopropylbenzene	ND	F1	25.0	29.6		ug/L		119	77 - 122	3	20
Methyl acetate	ND		50.0	51.2		ug/L		102	74 - 133	1	20
Methyl tert-butyl ether	ND		25.0	28.6		ug/L		115	77 - 120	2	37
Methylcyclohexane	ND		25.0	26.7		ug/L		107	68 - 134	9	20
Methylene Chloride	ND		25.0	26.7		ug/L		107	75 - 124	2	15
Styrene	ND	F1	25.0	28.9		ug/L		116	80 - 120	6	20
Tetrachloroethene	ND		25.0	29.1		ug/L		116	74 - 122	5	20
Toluene	ND		25.0	29.1		ug/L		117	80 - 122	5	15
trans-1,2-Dichloroethene	ND		25.0	29.8		ug/L		119	73 - 127	4	20
trans-1,3-Dichloropropene	ND		25.0	28.0		ug/L		112	80 - 120	6	15
Trichloroethene	ND	F1	25.0	31.0	F1	ug/L		124	74 - 123	5	16
Trichlorofluoromethane	ND		25.0	32.6		ug/L		130	62 - 150	5	20
Vinyl chloride	ND	F1	25.0	34.3	F1	ug/L		137	65 - 133	1	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*107*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*112*		*77 - 120*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*
Dibromofluoromethane (Surr)	*109*		*75 - 123*

QC Association Summary

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

Job ID: 480-181881-1

GC/MS VOA

Analysis Batch: 572202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-181881-1	RW-1	Total/NA	Water	8260C	
480-181881-2	RW-2	Total/NA	Water	8260C	
480-181881-3	EFFLUENT 46 HZ	Total/NA	Water	8260C	
480-181881-4	TRIP BLANK	Total/NA	Water	8260C	
MB 480-572202/8	Method Blank	Total/NA	Water	8260C	
LCS 480-572202/6	Lab Control Sample	Total/NA	Water	8260C	
480-181881-1 MS	RW-1	Total/NA	Water	8260C	
480-181881-1 MSD	RW-1	Total/NA	Water	8260C	

Lab Chronicle

Client: New York State D.E.C.
Job ID: 480-181881-1
Project/Site: Gladding Corporation #709009

Client Sample ID: RW-1
Lab Sample ID: 480-181881-1
Date Collected: 03/09/21 13:30
Matrix: Water
Date Received: 03/10/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	572202	03/12/21 03:06	WJD	TAL BUF

Client Sample ID: RW-2
Lab Sample ID: 480-181881-2
Date Collected: 03/09/21 13:20
Matrix: Water
Date Received: 03/10/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	572202	03/12/21 03:30	WJD	TAL BUF

Client Sample ID: EFFLUENT 46 HZ
Lab Sample ID: 480-181881-3
Date Collected: 03/09/21 13:15
Matrix: Water
Date Received: 03/10/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	572202	03/12/21 03:54	WJD	TAL BUF

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-181881-4
Date Collected: 03/09/21 13:40
Matrix: Water
Date Received: 03/10/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	572202	03/12/21 04:18	WJD	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: 480-181881-1
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	03-31-21

Method Summary

Client: New York State D.E.C.
Job ID: 480-181881-1
Project/Site: Gladding Corporation #709009

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

Protocol References:

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

Laboratory References:

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

Sample Summary

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

Job ID: 480-181881-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-181881-1	RW-1	Water	03/09/21 13:30	03/10/21 09:30	
480-181881-2	RW-2	Water	03/09/21 13:20	03/10/21 09:30	
480-181881-3	EFFLUENT 46 HZ	Water	03/09/21 13:15	03/10/21 09:30	
480-181881-4	TRIP BLANK	Water	03/09/21 13:40	03/10/21 09:30	

CHAIN OF CUSTODY

Client: New York State Dept. of Environmental Conservation

Syracuse

FED-EX Tracking # | Bottle Order Control #

Lab Quote # #225 | Lab Job #

CLIENT/REPORTING INFORMATION	PROJECT INFORMATION	BILLING INFORMATION
Groundwater & Environmental Services, Inc. 5 Technology Place, East Syracuse, NY 13057	**Project Name:** NYSDEC South Otselic, One Gladding Street	Groundwater & Environmental Services, Inc. ges-invoices@gesonline.com ATTN: Accounts Payable
Project Manager: Scott McDonald SMcDonald@gesonline.com NERegion@gesonline.com	**Project Address:** One Gladding Road, South Otselic, NY	**Invoice Instructions (Project #/ Phase / Task / Altorg)** 0603178/05/220/1106 NYSDEC Site Code = 709009
Phone #: 800-220-3069 **Extension #:** 4066	**Project PSID #:** 878061	

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

Lab Sample #	Field ID / Point of Collection (Sys_loc_code)	Depth Interval (ft)	Date Sampled	Time Sampled	Sampler	Matrix	Total # Bottles	number of preserved bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Amber	REQUESTED ANALYSIS (see Test Code sheet): EPA Method 8260 full list	LAB USE ONLY
	RW-1		3/9/21	1330	GE	WG	3	X									X	
	RW-1 MS			1330		WG	3	X									X	
	RW-1 MSD			1330		WG	3	X									X	
	RW-2			1320		WG	3	X									X	
	Effluent 46 Hz			1315		WG	3	X									X	
	Trip Blank			1340		WQ	2	X									X	
			3/10/21	AP														

480-181881 Chain of Custody

Page 26 of 27

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

- [x] Standard 14 Days _____ /
- [ ] 1 day RUSH _____ /
- [ ] Other _____ _____ /

Laboratory Information

Lab: Eurofins TestAmerica, Buffalo
Address: 10 Hazelwood Drive, Amherst, NY 14228-2298
Phone: 716-691-2600
Lab PM: Judy Stone
Lab PM Email: judy.stone@testamericainc.com

Data Deliverable Infor

- [ ] Commercial 'A' (Level 1) = R
- [ ] Commercial 'B' (Level 2) = Results + QC Summary
- [ ] FULLT1 (Level 3 & 4)
- [ ] NJ Reduced = Results + QC Summary + Partial Raw Data
- [ ] Commercial 'C'
- [ ] *NJ Data of Known Quality Protocol Reporting*
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [x] EDD Format NYSDEC Ver. 4
- [ ] Other _____

Please Email the EQ EDD Package to ges@equisonline.com, Email Lab Report to NERegion@gesonline.com, Jthomas@gesonline.com

EQEDD Name: NYSDEC South Otselic, One Gladding Street_LabReport#.31654.EQEDD.zip

Sample Custody must be documented below each time samples change possession, including courier.

	Date / Time:	Received By:
Relinquished By Sampler: 1	3/9/21 1525	1 ES-SYR
Relinquished By: 2	3/9/21 1900	2
Relinquished By: 3	Date / Time:	3 3/10/21 930

Custody Seal Number: [ ] Intact [ ] Not Intact [ ] Preserved where applicable [ ] On Ice **Cooler Temp** 3.4 #1

3/15/2021

\\vrrmt88-vm3\syracuse-01\Dashboard\Planning\878061.xlsm

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-181881-1

Login Number: 181881

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Stopa, Erik S

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

Arcadis of New York, Inc.

855 Route 146

Suite 210

Clifton Park, New York 12065

Tel 518 250 7300

Fax 518 371 2757

www.arcadis.com