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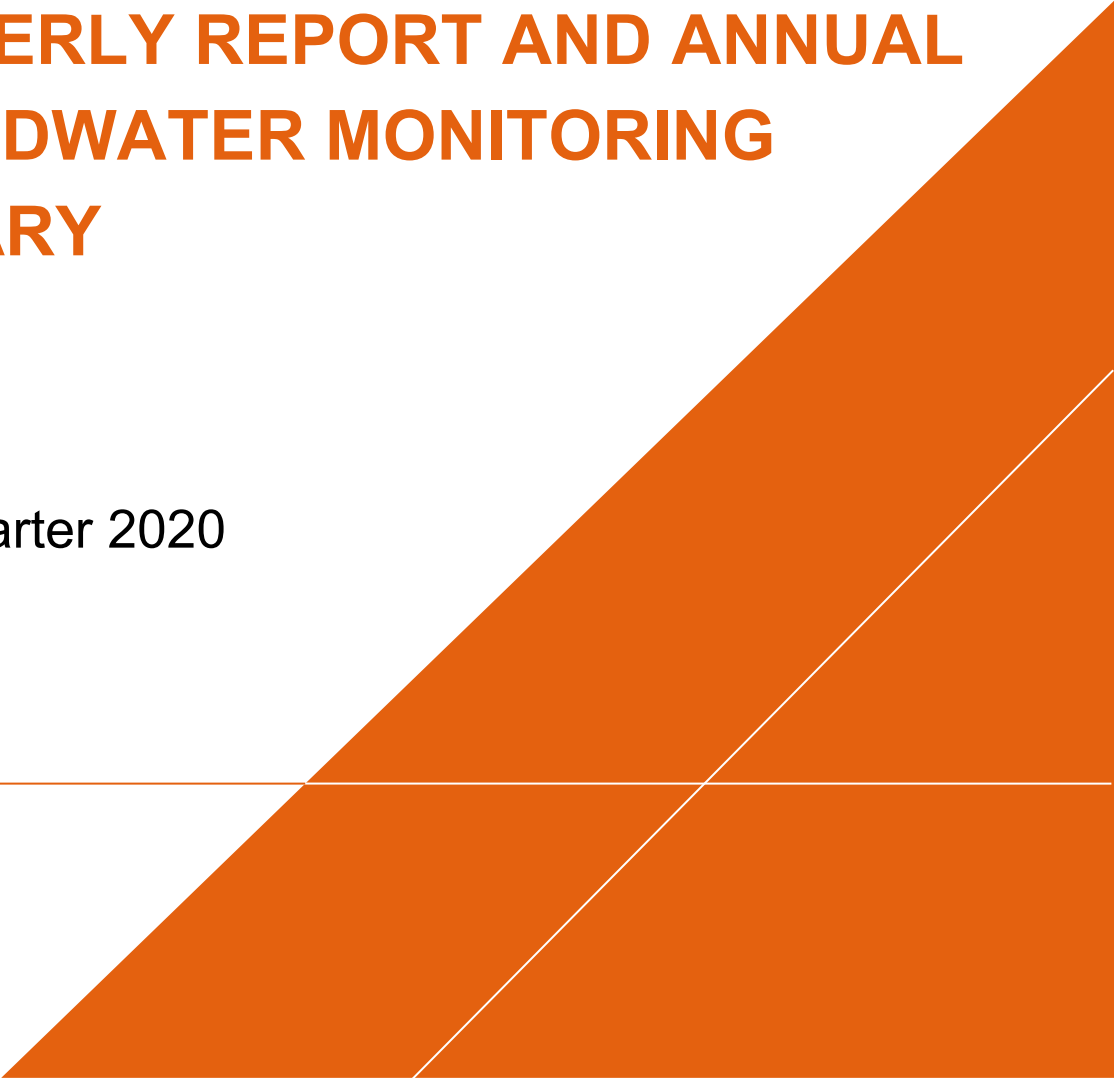
New York State Department of Environmental
Conservation – Division of Environmental
Remediation

GLADDING CORDAGE SITE QUARTERLY REPORT AND ANNUAL GROUNDWATER MONITORING SUMMARY

SITE 7-09-009

Fourth Quarter 2020

April 2021

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GLADDING CORDAGE SITE QUARTERLY REPORT

Fourth Quarter 2020

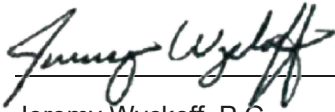


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CONTENTS

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
3.3.3 Emerging Contaminants Results.....	5
4 Water Monitoring Program.....	6
4.1 Well Inspection.....	6
4.2 Water Level Survey.....	6
4.3 Groundwater Sampling	6
4.4 Groundwater Results	7
4.4.1 Shallow Groundwater Monitoring Zone	7
4.4.2 Intermediate Groundwater Monitoring Zone	8
4.4.3 Deep Groundwater Monitoring Zone	8
4.4.4 Municipal Well MW-2.....	9
5 Recommendations	10
6 Summary	11
7 References.....	12

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)
Table 3-5	Groundwater Treatment System PFAS and 1,4-dioxane

Table 4-1	Groundwater Monitoring Well Water Level Data
Table 4-2	Groundwater VOC Detections
Table 4-3	Groundwater PFAS and 1,4-dioxane1,4-dioxane Detections

FIGURES

Figure 2-1	Site Location
Figure 3-1	Treatment System Influent Sample Concentrations (1,1,1-TCA)
Figure 4-1	Shallow Potentiometric Surface Map (10/13/2020)
Figure 4-2	Intermediate Potentiometric Surface Map (10/13/2020)
Figure 4-3	Deep Potentiometric Surface Map (10/13/2020)

APPENDICES

Appendix A	PLC Facsimile Reports
Appendix B	O&M Checklists
Appendix C	Analytical Reports
Appendix D	Data Usability Summary Reports
Appendix E	Groundwater Monitoring Well Inspection Forms
Appendix F	Site Photolog
Appendix G	Groundwater Sampling Logs

ACRONYMS AND ABBREVIATIONS

Arcadis	Arcadis of New York, Inc.
amsl	above mean sea level
DO	dissolved oxygen
DUSR	Data Usability Summary Report
Ft	feet
GES	Groundwater and Environmental Services, Inc.
GPM	gallons per minute
HZ	hertz
ng/L	nanograms per liter

GLADDING CORDAGE SITE QUARTERLY REPORT – FOURTH QUARTER 2020

µg/L	micrograms per liter
NYSDEC	New York State Department of Environmental Conservation
ORP	Oxidation – Reduction Potential
O&M	operation and maintenance
PFAS	Perfluorinated alkyl substances
PFOS	Perfluorooctanesulfonic acid
PLC	programmable logic controller
ROD	Record of Decision
SIM	Selected Ion Monitoring
SMP	Site Management Plan
TCL	Target Compound List
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 fourth quarter 2020 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 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 system reports (Appendix A) and O&M Checklist and Operation Logs (Appendix B), the Gladding Cordage groundwater treatment system was intermittently shut down on October 6, 2020 due to a power failure resulting in system runtimes of 90 percent (%) in October. The system was also shut down in November and December 2020 to upgrade and replace PLC. The corresponding system runtimes were 90% and 87%, respectively.

The average monthly flow rates and total flow volumes for the fourth quarter 2020 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 20.4 gallons per minute (GPM). The average flow from RW-2 was 21.8 GPM. Based on the total flow

values, approximately 4.8 million gallons of water were treated and discharged to the Otselic River between October and December 2020.

3.3 Treatment System Sampling

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

In October 2020, treatment system samples were also analyzed for emerging compounds, including perfluorinated alkyl substances (PFAS) by USEPA Method 537 Modified and 1,4-dioxane via Method 8260C Selected Ion Monitoring (SIM) by request of the NYSDEC. The emerging compounds analytical data were provided to Vali-Data of Western New York to prepare a Data Usability Summary Report (DUSR). The DUSR is provided in Appendix D. As shown in the DUSR, all data were usable with only minor qualification. All criteria were met except the concentration of 1,4-Dioxane exceeded the calibration limits and is qualified with an 'E' in RW-1MS/MSD.

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 43 micrograms per liter (µg/L) in October 2020, 38 µg/L in November 2020, and 40 µg/L in December 2020. 1,1-dichloroethane (1,1-DCA) and 1,1-dichloroethene (1,1-DCE) were also detected, but concentrations were below their respective NYSDEC Class GA standard of 5 µg/L.

The concentrations of 1,1,1-TCA in the samples from recovery well RW-2 were 32 µg/L in October 2020, 29 µg/L in November 2020, and 30 µg/L in December 2020. As shown in Table 3-3, 1,1-DCA, 1,1-DCE were detected in the fourth quarter 2020 samples from RW-2. Consistent with previous results, the concentrations of these compounds were below 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 fourth quarter 2020 are within the range of historic concentrations from these wells.

Methylene chloride, a common laboratory contaminant, was detected in the RW-1 (0.54 µg/L, estimated) and RW-2 (0.52 µg/L, estimated) samples collected during the October 2020 sampling event. As indicated in Section 3.2.2, methylene chloride was also detected at similar concentrations within the October 2020 effluent sample and trip blank.

3.3.2 Effluent Sample Results

Table 3-4 summarizes laboratory analytical data for effluent samples collected from the treatment system. Methylene chloride was detected below the NYSDEC Class GA Standard of 5 µg/L in the October 2020 sample and corresponding trip blank sample. Since it was also detected in the corresponding trip blank

samples, it is expected to be the result of laboratory contamination. No other VOCs were detected in the effluent from the fourth quarter 2020.

Based on influent sample concentrations and total flow volumes from the Gladding Cordage treatment system, approximately 1.5 pounds of VOCs were removed by the treatment system during the fourth quarter 2020.

3.3.3 Emerging Contaminants Results

Table 3-5 summarizes the PFAS and 1,4-dioxane concentrations analyzed from the October 2020 treatment system samples. Perfluorobutanesulfonic acid (PFBS) (1.6 nanograms per liter [ng/L]), perfluorooctanoic acid (PFOA) (0.95 J ng/L), and perfluorooctanesulfonic acid (PFOS) (1.60 ng/L) were detected in the samples collected from RW-1. However, none of these results are greater than the current USEPA Health Advisory Limit for PFOA and PFOS of 70 ng/L or the NYSDEC Guidance Value of 10 ng/L for PFOA or PFOS.

There were no detected concentrations of PFAS in the sample collected from RW-2. PFBS was detected in the effluent sample at 0.84 J ng/L.

1,4-dioxane was detected in the RW-1 sample (0.18 J µg/L) and effluent sample (0.11 µg/L), but was not detected in the RW-2 sample. These detections are less than the NYSDEC guidance value of 1.0 µg/L.

4 WATER MONITORING PROGRAM

Groundwater samples are collected on a five-quarter sampling interval in accordance with the SMP. Groundwater sampling was conducted between October 12 and 14, 2020 to provide information on groundwater quality, monitor contaminant migration in groundwater, and assess hydrogeologic site conditions, including groundwater flow. The next groundwater sampling event is scheduled to occur during the first quarter 2022.

4.1 Well Inspection

Groundwater monitoring wells were evaluated for integrity and suitability for groundwater monitoring and water levels. The condition of each well was visually inspected, and results were recorded on a Groundwater Monitoring Well Inspection Form (Appendix E). Photographs of each monitoring well are presented in Appendix F.

During the October 2020 inspection there were minor deficiencies observed in the condition of some monitoring wells. It was noted that the bolts securing the flush mount cover for TW-6S TW-6I, TW-6D, and TW-14S were either missing or damaged. The broken or missing bolts will be replaced with new bolts during the next sampling event.

4.2 Water Level Survey

Prior to collecting groundwater samples, water levels were measured to the nearest hundredth of a foot and recorded on Groundwater Monitoring Well Inspection form (Appendix E).

Table 4-1 summarizes the groundwater levels and elevations. As shown in Table 4-1, groundwater elevations in monitoring wells screened in the shallow groundwater monitoring zone ranged from 1202.41 feet (ft) above mean sea level (amsl) to 1204.79 ft amsl; groundwater elevations in monitoring wells screened in the intermediate groundwater monitoring zone ranged from 1202.21 ft amsl to 1203.53 ft amsl; and groundwater elevations in monitoring wells screened in the deep groundwater monitoring zone ranged from 1202.04 ft amsl to 1203.54 ft amsl.

Shallow, intermediate, and deep potentiometric surface maps are provided on Figure 4-1, Figure 4-2, and Figure 4-3, respectively. Figures 4-1, 4-2, and 4-3 show that the direction of groundwater flow in the shallow, intermediate, and deep groundwater monitoring zones is generally to the south, toward the Otselic River. However, as shown on Figure 4-2 and Figure 4-3, groundwater extraction from recovery well RW-1, and to a lesser extent RW-2, has created a cone of depression, with groundwater flows in the immediate area being directed toward the recovery wells.

4.3 Groundwater Sampling

Groundwater samples were collected from 26 groundwater monitoring wells in accordance with the SMP. At the direction of NYSDEC, groundwater samples were also collected from former municipal well MW-2 to assess for the presence of emerging contaminants. MW-2 is located approximately 50 feet south of monitoring well TW-10D. All groundwater samples were collected using low-flow sampling techniques and submitted to the NYSDEC stand-by laboratory. Samples were analyzed for Target Compound List (TCL)

VOCs by USEPA Method 8260C, and for PFAS Method 537 Modified and 1,4-dioxane Method 8260C SIM by request of the NYSDEC.

Groundwater samples were collected in accordance with the SMP using USEPA low-flow purging and sampling procedures.

Prior to collecting groundwater samples, pH, conductivity, turbidity, dissolved oxygen (DO), temperature, and oxidation-reduction potential (ORP) were measured using a Horiba multi-parameter water quality meter and recorded on groundwater sampling purge logs. Groundwater Sampling Purge Logs are presented in Appendix E.

Groundwater samples were collected from the following monitoring locations:

▪ TW-1	▪ TW-4I	▪ TW-7S	▪ TW-12D
▪ TW-2S	▪ TW-5S	▪ TW-7I	▪ TW-14S
▪ TW-2I	▪ TW-5I	▪ TW-7D	▪ TW-14I
▪ TW-2D	▪ TW-5D	▪ TW-9I	▪ TW-14D
▪ TW-3S	▪ TW-6S	▪ TW-9D	▪ TW-15
▪ TW-3I	▪ TW-6I	▪ TW-10D	
▪ TW-3D	▪ TW-6D	▪ TW-12I	

Groundwater samples were sent to Eurofins TestAmerica by chain-of-custody procedures and analyzed for VOCs by USEPA Method 8260C. Groundwater samples were also analyzed for PFAS by USEPA Method 537 Modified, and 1,4-dioxane by USEPA Method 8260C Selected Ion Monitoring (SIM). Analytical data packages are provided in Appendix C. Laboratory analytical reports, were submitted to Vali-Data of Western New York for preparation of a DUSR (Appendix D). Based on the results of the DUSR, no significant data qualifications were required. All criteria were met except the concentration of 1,4-Dioxane exceeded the calibration limits and is qualified with an 'E' in TW-15 and TW-X-DUP. The analytical data were uploaded to the NYSDEC EQuIS™ database.

4.4 Groundwater Results

Groundwater sampling results from the fourth quarter 2020 sampling event are summarized in Table 4-2 (VOCs) and Table 4-3 (PFAS and 1,4-dioxane).

4.4.1 Shallow Groundwater Monitoring Zone

As shown in Table 4-2, VOCs were detected at concentrations greater than the corresponding NYSDEC Class GA Standards in three of the seven groundwater samples collected from the shallow groundwater monitoring network. The 1,1,1-TCA results from groundwater samples collected at TW-5S (5.2 µg/L), TW-7S (11 µg/L), and TW-14S (32 µg/L) exceeded the NYSDEC Class GA Standard of 5 µg/L. These results are within the range of previous concentrations detected at these locations.

VOCs were not detected at concentrations greater than the applicable NYSDEC Class GA Standards in the other groundwater samples collected from the shallow monitoring network during the fourth quarter 2020 sampling event.

As shown in Table 4-3, PFAS was detected in groundwater sampled from five of the seven shallow wells but did not exceed the NYSDEC Guidance Value of 10 ng/L for PFOA or PFOS. The only shallow groundwater sample that contained 1,4-dioxane was TW-14S at 0.17 µg/L (estimated), which is less than the NYSDEC guidance value of 1.0 µg/L.

4.4.2 Intermediate Groundwater Monitoring Zone

Table 4-2 shows that the concentrations of 1,1,1-TCA in groundwater samples collected from three of the ten intermediate groundwater monitoring wells TW-4I (17 µg/L), TW-14I (54 µg/L), and TW-15 (9.2 µg/L) were greater than the applicable NYSDEC Class GA Standard of 5 µg/L. 1,1,1-TCA was also detected in four additional intermediate monitoring wells, but at concentrations below their respective NYSDEC GA Standard.

The sample TW-X-DUP was collected from monitoring well TW-15 and submitted as a field duplicate. The concentrations of 1,1,1-TCA in sample TW-X-DUP (9.7 µg/L) and sample TW-15 (9.2 µg/L) correlate well.

Table 4-2 shows that the concentrations of 1,1,1 TCA in the samples discussed above are within the range of previous results at these locations.

No other VOCs were detected in groundwater samples from intermediate monitoring wells at concentrations greater than the applicable NYSDEC Class GA Standards.

As shown in Table 4-3, PFAS were detected at concentrations greater than the corresponding NYSDEC Guidance Values in two of the ten intermediate groundwater monitoring wells. The PFOA results from groundwater samples collected at TW-9I (12 ng/L) and TW-15 (10.2 ng/L) exceeded the NYSDEC Guidance Value of 10 ng/L. The PFOS result from the groundwater sample collected at TW-9I (22 ng/L) exceeded the NYSDEC Guidance Value of 10 ng/L. 1,4-dioxane was also detected in TW-5I (0.17 µg/L, estimated), TW-14I (0.28 µg/L) and TW-15 (1.6 µg/L); all of which are less than the current guidance value of 1.0 µg/L.

4.4.3 Deep Groundwater Monitoring Zone

As shown in Table 4-2, the concentrations of 1,1,1-TCA exceeded the corresponding NYSDEC Class GA Standard of 5 µg/L in groundwater samples collected from deep monitoring wells TW-5D (11 µg/L) and TW-14D (9.2 µg/L). These concentrations are consistent with historic results from these wells.

No other VOCs were detected in groundwater samples collected from the deep monitoring network at concentrations greater than the applicable NYSDEC Class GA Standard.

As shown in Table 4-3, PFAS were detected in three deep groundwater monitoring wells at concentrations greater than the NYSDEC Guidance Value of 10 ng/L. The PFOA results from groundwater samples collected at TW-5D (11 ng/L), TW-9D (17 ng/L), and TW-10D (12 ng/L) exceeded the NYSDEC Guidance Value of 10 ng/L. The PFOS results from groundwater samples collected at TW-5D (19 ng/L), TW-9D (44 ng/L), and TW-10D (39 ng/L) exceeded the NYSDEC Guidance Value of 10 ng/L. Samples which had detectable concentrations of 1,4-dioxane were from monitoring wells TW-7D

(0.29 µg/L), TW-10D (0.1 µg/L, estimated), and TW-12D (0.44 µg/L). These concentrations were less than the NYSDEC guidance value of 1.0 µg/L.

4.4.4 Municipal Well MW-2

South Otselic's former municipal well, MW-2, was sampled on October 13, 2020 at the request of the NYSDEC Project Manager. The sample was collected from the sampling port after the pump was operational for a minimum of twenty minutes. The MW-2 sample did not contain detectable concentrations of VOCs, 1,4-dioxane, or PFAS compounds. Currently, there is no schedule to collect additional samples from MW-2.

5 RECOMMENDATIONS

It is recommended that the NYSDEC move forward with the planned remedial system optimization investigation 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 October 2020 due to power interruptions, and in November and December due to replacement of the PLC. The average total flow through the treatment system during the fourth quarter 2020 was approximately 38.9 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 1.5 pounds of VOCs were removed by the treatment system during the fourth quarter 2020.

The concentrations of VOCs, PFAS, and 1,4-dioxane detected in pre-treatment influent samples from recovery wells RW-1 and RW-2 were consistent with previous results. No VOCs were detected in the effluent samples collected from the treatment system and PFAS and 1,4-dioxane were detected below their respective standards.

The former municipal well MW-2 was non-detect for all analytes during the October 2020 sampling event.

Groundwater samples were collected from 26 groundwater monitoring wells at the Gladding Cordage site. The concentrations of VOCs in samples collected from the shallow, intermediate, and deep groundwater monitoring zones were generally consistent with results from the 2019 monitoring event.

Groundwater samples collected from three shallow, three intermediate, and two deep groundwater monitoring wells contained concentrations of VOCs greater than the applicable NYSDEC Class GA Standards. The maximum concentration of total VOCs (54 µg/L) was in the groundwater sample collected from intermediate monitoring well TW-14I. In general, groundwater samples collected from monitoring wells in the immediate vicinity of groundwater recovery wells RW-1 and RW-2 contained the greatest concentrations of VOCs.

Groundwater samples collected from two intermediate and three deep groundwater monitoring wells contained concentrations of PFAS greater than the applicable NYSDEC Guidance Values. The maximum concentration of total PFOA and PFAS (61 ng/L) was in the groundwater sample collected from deep monitoring well TW-9D.

1,4-dioxane was detected at concentrations less than the NYSDEC Guidance Value of 1.0 µg/L in samples collected from seven of the 26 groundwater monitoring wells.

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



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		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-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	1,548,415	1,599,880	838,115	856,465	1,694,580	
Total Flow 2020					17.6	21.4			2,642,361	3,451,698	6,094,059	

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 (RW-1)
GLADDING CORDAGE SITE
SOUTH OTSELIC, NEW YORK
NYSDEC SITE NO. 7-09-009



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

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

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

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

Definitions:

* - NYSDEC Principal Organic Contaminant Standard of 5 µg/L applies to this compound.

µg/L - microgram per liter

F1 - MS and/or MSD recovery exceeds control limits

J - Compound was detected below the reporting limit or concentration is estimated for TICS.

NYSDEC - New York State Department of Environmental Conservation

U - The compound was not detected at the indicated concentration.

B - Compound was found in the blank and sample

Notes:

1. Concentrations detected above the NYSDEC Class GA Standard are highlighted in yellow.

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

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

Definitions:

* - NYSDEC Principal Organic Contaminant Standard of 5 µg/L applies to this compound.

µg/L - microgram per liter

F1 - MS and/or MSD recovery exceeds control limits

J - Compound was detected below the reporting limit or concentration is estimated for TICS.

NYSDEC - New York State Department of Environmental Conservation

U - The compound was not detected at the indicated concentration.

B - Compound was found in the blank and sample

Notes:

1. Concentrations detected above the NYSDEC Class GA Standard are highlighted in yellow.

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

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

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

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

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

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

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

Definitions:

* - NYSDEC Principal Organic Contaminant Standard of 5 µg/L applies to this compound.

µg/L - microgram per liter

F1 - MS and/or MSD recovery exceeds control limits

J - Compound was detected below the reporting limit or concentration is estimated for TICS.

NYSDEC - New York State Department of Environmental Conservation

U - The compound was not detected at the indicated concentration.

B - Compound was found in the blank and sample

Notes:

1. Concentrations detected above the NYSDEC Class GA Standard are highlighted in yellow.

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

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

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

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

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

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

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

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

Definitions:

* - NYSDEC Principal Organic Contaminant Standard of 5 µg/L applies to this compound.

µg/L - microgram per liter

J - Compound was detected below the reporting limit or concentration is estimated for TICS.

NA - Not analyzed

ND - Non-detect

NYSDEC - New York State Department of Environmental Conservation

U - The compound was not detected at the indicated concentration.

B - Compound was found in the blank and sample

Notes:

1. Concentrations detected above the NYSDEC Class GA Standard are highlighted in yellow.

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

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

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

Notes:
1. Concentrations detected above the NYSDEC Class GA Standard are highlighted in yellow.

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



Sample ID Sampling Date	NYSDEC Class GA Standard	EFF(46HZ)											
		1/21/2019	2/14/2019	3/26/2019	4/30/2019	5/20/2019	6/22/219	7/26/2019	8/15/2019	9/26/2019	10/25/2019	11/22/2019	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.
µg/L - microgram per liter
J - Compound was detected below the reporting limit or concentration is estimated for TICS.
NA - Not analyzed
ND - Non-detect
NYSDEC - New York State Department of Environmental Conservation
U - The compound was not detected at the indicated concentration.
B - Compound was found in the blank and sample
Notes:
1. Concentrations detected above the NYSDEC Class GA Standard are highlighted in yellow.

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

Sample ID	NYSDEC Class	EFF(46HZ)											
Sampling Date	GA Standard	1/13/2020	2/6/2020	3/12/2020	4/15/2020	5/5/2020	6/15/2020	7/7/2020	8/4/2020	9/16/2020	10/6/2020	11/10/2020	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.
µg/L - microgram per liter
J - Compound was detected below the reporting limit or concentration is estimated for TICS.
NA - Not analyzed
ND - Non-detect
NYSDEC - New York State Department of Environmental Conservation
U - The compound was not detected at the indicated concentration.
B - Compound was found in the blank and sample

Notes:
1. Concentrations detected above the NYSDEC Class GA Standard are highlighted in yellow.

TABLE 3-5
SUMMARY OF GROUNDWATER TREATMENT SYSTEM PFAS/1,4-DIOXANE
GLADDING CORDAGE SITE
SOUTH OTSELIC, NEW YORK
NYSDEC SITE NO. 7-09-009

Sample ID Sampling Date	USEPA LIFETIME HEALTH ADVISORY	NYSDEC GUIDANCE VALUE	RW-1			RW-2			EFF(46HZ)		
			10/25/2017	9/26/2019	10/13/2020	10/25/2017	9/26/2019	10/13/2020	10/25/2017	9/26/2019	10/13/2020
Perfluorinated Alkyl Substances (ng/L)											
Perfluorobutanesulfonic Acid (PFBS)	--	100	1.99 J	1.16 J	1.6	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	0.84 J
Perfluorohexanesulfonic Acid (PFHxS)	--	100	2.0 U	2.0 U	1.6 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Perfluoroheptanoic Acid (PFHpA)	--	100	2.0 U	2.0 U	1.6 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Perfluorooctanoic Acid (PFOA)	70	10*	3.72	1.26 J	0.95 J	0.89 J	2.0 U	2.0 U	2.0 U	1.32 J	2.0 U
Perfluorooctanesulfonic Acid (PFOS)	70	10*	2.15	1.47 EMPC	1.6	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Perfluorononanoic acid (PFNA)	--	100	2.0 U	2.0 U	1.6 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Perfluorobutanoic acid (PFBA)	--	100	NA	NA	4.1 U	NA	NA	4.2 U	NA	NA	4.0 U
Perfluoropentanoic acid (PFPeA)	--	100	NA	NA	1.6 U	NA	NA	1.7 U	NA	NA	1.6 U
Perfluorohexanoic acid (PFHxA)	--	100	NA	NA	1.6 U	NA	NA	1.7 U	NA	NA	1.6 U
Perfluorodecanoic acid (PFDA)	--	100	NA	NA	1.6 U	NA	NA	1.7 U	NA	NA	1.6 U
Perfluoroheptanesulfonic Acid (PFHpS)	--	100	NA	NA	1.6 U	NA	NA	1.7 U	NA	NA	1.6 U
Perfluorooctanesulfonamide (PFOSA)	--	100	NA	NA	1.6 U	NA	NA	1.7 U	NA	NA	1.6 U
Perfluoroundecanoic acid (PFUnA)	--	100	NA	NA	1.6 U	NA	NA	1.7 U	NA	NA	1.6 U
Perfluorododecanoic acid (PFDoA)	--	100	NA	NA	1.6 U	NA	NA	1.7 U	NA	NA	1.6 U
Perfluorotridecanoic acid (PFTriA)	--	100	NA	NA	1.6 U	NA	NA	1.7 U	NA	NA	1.6 U
Perfluorotetradecanoic acid (PFTeA)	--	100	NA	NA	1.6 U	NA	NA	1.7 U	NA	NA	1.6 U
Perfluorodecanesulfonic acid (PFDS)	--	100	NA	NA	1.6 U	NA	NA	1.7 U	NA	NA	1.6 U
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	--	100	NA	NA	4.1 U	NA	NA	4.2 U	NA	NA	4.0 U
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	--	100	NA	NA	4.1 U	NA	NA	4.2 U	NA	NA	4.0 U
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	--	100	NA	NA	4.1 U	NA	NA	4.2 U	NA	NA	4.0 U
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	--	100	NA	NA	1.6 U	NA	NA	1.7 U	NA	NA	1.6 U
Total PFOA + PFOS	70	--	5.87	2.73	2.55	0.89	ND	ND	1.32	ND	ND
Total PFAS	--	500	7.86	3.89	4.15	0.89	ND	ND	1.32	ND	0.84 J
1,4 Dioxane by Method 8270 SIM (mg/L)	--	1.0*	0.29 J	0.19 U	0.18 J	0.4 U	0.19 U	0.19 U	0.4 U	0.19 U	0.11 J

Definitions:

EMPC - The results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.

mg/L - microgram per liter

ng/L - nanograms per Liter

J - Compound was detected below the reporting limit or concentration is estimated for TICS.

ND - Non-detect

NYSDEC - New York State Department of Environmental Conservation

U - The compound was not detected at the indicated concentration.

* - The New York State Maximum Contaminant Level.

Notes:

1. Concentrations detected above the United States Environmental Protection Agency Lifetime Health Advisory are highlighted in orange.

2. Concentrations detected above the NYSDEC Guidance Value are highlighted in yellow.

TABLE 4-1
GROUNDWATER MONITORING WELL WATER LEVEL DATA
GLADDING CORDAGE SITE
SOUTH OTSELIC, NEW YORK
NYSDEC SITE NO. 7-09-009

Well ID	Monitored Interval	Measuring Point Elevation (feet) ⁽¹⁾	10/25/2017		3/12/2019		10/13/2020	
			DTW (feet)	Elevation (feet amsl)	DTW (feet)	Elevation (feet amsl)	DTW (feet)	Elevation (feet amsl)
TW-1	Shallow	1212.71 ⁽⁴⁾	7.80	1204.91	7.60	1205.11	7.92	1204.79
TW-2S	Shallow	1212.57 ⁽⁴⁾	8.60	1203.97	8.57	1204.00	8.75	1203.82
TW-2I	Intermediate	1212.16 ⁽⁴⁾	8.34	1203.82	8.24	1203.92	8.63	1203.53
TW-2D	Deep	1212.26 ⁽⁴⁾	8.46	1203.80	8.53	1203.73	8.73	1203.53
TW-3S	Shallow	1213.60	10.05	1203.55	9.97	1203.63	10.34	1203.26
TW-3I	Intermediate	1213.19	9.35	1203.84	9.22	1203.97	9.67	1203.52
TW-3D	Deep	1213.47	9.61	1203.86	9.46	1204.01	9.93	1203.54
TW-4I	Intermediate	1209.96 ⁽²⁾	7.13	1202.83	6.71	1203.25	7.70	1202.26
TW-5S	Shallow	1211.78	8.30	1203.48	8.49	1203.29	8.70	1203.08
TW-5I	Intermediate	1211.89	8.76	1203.13	8.85	1203.04	9.24	1202.65
TW-5D	Deep	1212.55	9.66	1202.89	9.39	1203.16	10.13	1202.42
TW-6S	Shallow	1210.08 ⁽⁵⁾	7.13	1202.95	6.75	1203.33	7.67	1202.41
TW-6I	Intermediate	1210.61 ⁽⁵⁾	7.76	1202.85	7.48	1203.13	8.40	1202.21
TW-6D	Deep	1210.36 ⁽⁵⁾	7.46	1202.90	7.23	1203.13	8.02	1202.34
TW-7S	Shallow	1213.48	9.36	1204.12	8.91	1204.57	9.63	1203.85
TW-7I	Intermediate	1213.60	9.74	1203.86	9.59	1204.01	10.13	1203.47
TW-7D	Deep	1213.25	9.50	1203.75	9.39	1203.86	9.92	1203.33
TW-9I	Intermediate	1213.75 ⁽⁴⁾	10.34	1203.41	10.30	1203.45	10.91	1202.84
TW-9D	Deep	1213.84 ⁽⁴⁾	10.90	1202.94	10.81	1203.03	11.35	1202.49
TW-10D	Deep	1209.58 ⁽⁵⁾	6.85	1202.73	Not Measured	N/A	7.54	1202.04
TW-12I	Intermediate	N/A	7.51	N/A	8.05	N/A	8.18	N/A
TW-12D	Deep	N/A	8.20	N/A	8.71	N/A	8.56	N/A
TW-14S	Shallow	1210.05 ⁽²⁾	6.80	1203.25	6.39	1203.66	7.35	1202.70
TW-14I	Intermediate	1210.17 ⁽²⁾	7.30	1202.87	7.03	1203.14	7.85	1202.32
TW-14D	Deep	1209.98 ⁽²⁾	7.16	1202.82	6.81	1203.17	7.69	1202.29
TW-15	Intermediate	1212.94 ⁽²⁾	9.85	1203.09	9.33	1203.61	10.33	1202.61

Definitions:

AMSL - Above Mean Sea Level

DTW - Depth to water

N/A - Not Available

Notes:

1. Measuring point elevations from: Operation and Maintenance Manual, Volume I, Gladding Cordage Site, TAMS Consulting, Inc., 1996.
2. Based on December 2007 survey referenced from TW-5D.
3. Elevation calculated from water level pressure transducer reading.
4. Based on June 2009 survey referenced from TW-3S, 5D, and 6D.
5. Based on September 2010 survey referenced from TW-4I.

TABLE 4-2
SUMMARY OF GROUNDWATER DETECTIONS (VOCS)
GLADDING CORDAGE
SOUTH OTSELIC, NEW YORK
NYSDEC Site No. 7-09-009



Sample ID	NYSDEC Class	TW-1		TW-2S		TW-2I		TW-2D	
Sampling Date	GA Standard	6/25/2009	10/13/2020	6/25/2009	10/13/2020	6/25/2009	10/13/2020	6/25/2009	10/13/2020
Volatile Organic Compounds (µg/L)									
1,1,1-Trichloroethane	5	0.4 U	1.0 U	0.4 U	1.0 U	1.4	1.0 U	0.4 U	1.0 U
1,1-Dichloroethane	5*	0.36 U	1.0 U	0.36 U	1.0 U	0.36 U	1.0 U	0.36 U	1.0 U
1,1-Dichloroethene	5	0.47 U	1.0 U	0.47 U	1.0 U	0.47 U	1.0 U	0.47 U	1.0 U
2-Butanone	50	1.3 U	10 U	1.3 U	10 U	1.3 U	10 U	1.3 U	10 U
Acetone	50	10	10 U	11	10 U	9.5	10 U	19	10 U
Benzene	1	0.32 U	1.0 U	0.32 U	1.0 U	0.32 U	1.0 U	0.32 U	1.0 U
Carbon Tetrachloride	5	0.62 U	1.0 U	0.62 U	1.0 U	0.62 U	1.0 U	0.62 U	1.0 U
Chloroethane	5	0.66 U	1.0 U	0.66 U	1.0 U	0.66 U	1.0 U	0.66 U	1.0 U
Chloroform	7	0.34 U	1.0 U	0.34 U	1.0 U	0.34 U	1.0 U	0.34 U	1.0 U
Chloromethane	5	0.54 U	1.0 U	0.54 U	1.0 U	0.54 U	1.0 U	0.54 U	1.0 U
cis-1,2-Dichloroethene	5	0.35 U	1.0 U	0.35 U	1.0 U	0.35 U	1.0 U	0.35 U	1.0 U
Tetrachloroethene	5	0.27 U	1.0 U	0.27 U	1.0 U	0.27 U	1.0 U	0.27 U	1.0 U
Toluene	5	0.37 U	1.0 U	0.37 U	1.0 U	0.37 U	1.0 U	0.37 U	1.0 U
Trichloroethene	5	0.28 U	1.0 U	0.28 U	1.0 U	0.28 U	1.0 U	0.28 U	1.0 U

Sample ID	NYSDEC Class	TW-3S											
Sampling Date	GA Standard	9/6/2007	10/17/2008	6/25/2009	3/23/2010	6/21/2011	7/24/2012	10/29/2013	5/6/2015	9/30/2016	10/26/2017	3/26/2019	10/14/2020
Volatile Organic Compounds (µg/L)													
1,1,1-Trichloroethane	5	0.32 U	3.4	0.4 U	6.2	4.0	2.0	2.9	2.0	2.1	1.1 J	0.69 J	1.0 U
1,1-Dichloroethane	5*	0.38 U	1.0 U	0.36 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	1.3 J	2.0 U	1.0 U
1,1-Dichloroethene	5	0.42 U	1.0 U	0.47 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U
2-Butanone	50	1.1 U	5.0 U	1.3 U	5.0 U	5.0 U	1.4 J			20 U			10 U
Acetone	50	2.3 U	5.0 U	13	14	64	12			50 U			10 U
Benzene	1	0.39 U	1.0 U	0.32 U	1.1	1.0 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride	5	1.1 U	1.0 U	0.62 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	5.0 U	2.0 U	2.0 U	1.0 U
Chloroethane	5	0.83 U	1.0 U	0.66 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
Chloroform	7	0.33 U	1.0 U	0.34 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
Chloromethane	5	0.34 U	1.0 U	0.54 U	1.0 U	1.0 U	0.41 J	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
cis-1,2-Dichloroethene	5	0.29 U	1.0 U	0.35 U	1.0 U	1.0 U	0.5 U			1.0 U			1.0 U
Tetrachloroethene	5	0.48 U	1.0 U	0.27 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U
Toluene	5	0.36 U	1.0 U	0.37 U	1.0 U	1.0 U	0.5 U	1.0 U	0.1 J	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5			0.46 U	1.0 U	0.28 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U

Definitions:
* - NYSDEC Principal Organic Contaminant Standard of 5 ug/l applies to this compound.
µg/L - microgram per liter
D - Sample dilluted.
J - Compound detected below the reporting limit or concentration is estimated for TICS.
U - The compound was not detected at the indicated concentration.
NYSDEC - New York State Department of Environmental Conservation

Notes:
1. Concentrations detected above the NYSDEC Class GA Standard are highlighted in yellow.
2. TW-X is a duplicate sample collected at TW-15.
3. Blank space indicates sample not analyzed for that compound.

TABLE 4-2
SUMMARY OF GROUNDWATER DETECTIONS (VOCS)
GLADDING CORDAGE
SOUTH OTSELIC, NEW YORK
NYSDEC Site No. 7-09-009

Sample ID	NYSDEC Class	TW-3I											
Sampling Date	GA Standard	9/6/2007	10/17/2008	6/25/2009	3/23/2010	6/21/2011	7/24/2012	10/29/2013	5/6/2015	9/30/2016	10/25/2017	3/26/2019	10/14/2020
Volatile Organic Compounds (µg/L)													
1,1,1-Trichloroethane	5	9.1	6.7	0.4 U	1.0 U	1.0 U	5.0	6.1	3.6	4.7	0.98 J	1.79 J	0.84 J
1,1-Dichloroethane	5*	0.38 U	1.0 U	0.36 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U
1,1-Dichloroethene	5	0.42 U	1.0 U	0.47 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U
2-Butanone	50	1.1 U	5.0 U	1.3 U	5.0 U	5.0 U	2.6 J			20 U			10 U
Acetone	50	2.3 U	5.0 U	16	13	6.0	14			50 U			10 U
Benzene	1	0.39 U	1.0 U	0.32 U	1.0 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride	5	1.1 U	1.0 U	0.62 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	5.0 U	2.0 U	2.0 U	1.0 U
Chloroethane	5	0.83 U	1.0 U	0.66 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
Chloroform	7	0.33 U	1.0 U	0.34 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
Chloromethane	5	0.34 U	1.0 U	0.54 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
cis-1,2-Dichloroethene	5	0.29 U	1.0 U	0.35 U	1.0 U	1.0 U	0.5 U			1.0 U		2.0 U	1.0 U
Tetrachloroethene	5	0.48 U	1.0 U	0.27 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U
Toluene	5	0.36 U	1.0 U	0.37 U	1.0 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	0.46 U	1.0 U	0.28 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U

Sample ID	NYSDEC Class	TW-3D											
Sampling Date	GA Standard	9/6/2007	10/17/2008	6/25/2009	3/23/2010	6/21/2011	7/24/2012	10/29/2013	5/6/2015	9/30/2016	10/26/2017	3/26/2019	10/14/2020
Volatile Organic Compounds (µg/L)													
1,1,1-Trichloroethane	5	0.32 U	1.3	1.4	1.0 U	1.0 U	1.2	2.0 U	0.96 J	1.0 U	0.84 J	0.57 J	1.0 U
1,1-Dichloroethane	5*	0.38 U	1.0 U	0.36 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U
1,1-Dichloroethene	5	0.42 U	1.0 U	0.47 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U
2-Butanone	50	1.1 U	5.0 U	1.3 U	5.0 U	5.0 U	2.7 J			20 U			10 U
Acetone	50	2.3 U	5.0 U	11	13	9.5	17			50 U			10 U
Benzene	1	0.39 U	1.0 U	0.32 U	0.76 J	1.9	0.67 J	1.0 U	1.9	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride	5	1.1 U	1.0 U	0.62 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	5.0 U	2.0 U	2.0 U	1.0 U
Chloroethane	5	0.83 U	1.0 U	0.66 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
Chloroform	7	0.33 U	1.0 U	0.34 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
Chloromethane	5	0.34 U	1.0 U	0.54 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
cis-1,2-Dichloroethene	5	0.29 U	1.0 U	0.35 U	1.0 U	1.0 U	0.5 U			1.0 U			1.0 U
Tetrachloroethene	5	0.48 U	1.0 U	0.27 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U
Toluene	5	0.36 U	1.0 U	0.37 U	1.0 U	1.0 U	0.5 U	1.0 U	0.11 J	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	0.46 U	1.0 U	0.28 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U

Definitions:
* - NYSDEC Principal Organic Contaminant Standard of 5 ug/l applies to this compound.
µg/L - microgram per liter
D - Sample dilluted.
J - Compound detected below the reporting limit or concentration is estimated for TICS.
U - The compound was not detected at the indicated concentration.
NYSDEC - New York State Department of Environmental Conservation

Notes:
1. Concentrations detected above the NYSDEC Class GA Standard are highlighted in yellow.
2. TW-X is a duplicate sample collected at TW-15.
3. Blank space indicates sample not analyzed for that compound.

TABLE 4-2
SUMMARY OF GROUNDWATER DETECTIONS (VOCS)
GLADDING CORDAGE
SOUTH OTSELIC, NEW YORK
NYSDEC Site No. 7-09-009



Sample ID	NYSDEC Class	TW-4I											
Sampling Date	GA Standard	9/6/2007	10/17/2008	6/25/2009	3/23/2010	6/21/2011	7/24/2012	10/29/2013	5/6/2015	9/30/2016	10/25/2017	3/26/2019	10/13/2020
Volatile Organic Compounds (µg/L)													
1,1,1-Trichloroethane	5	6.6	1.1	0.4 U	23	33	28	23	20	20	19	16.7	17
1,1-Dichloroethane	5*	0.38 U	3.8	3.8	2.5	5.3	4.4	4.4	4.1	4.6	6.2	3.6	3.7
1,1-Dichloroethene	5	0.42 U	1.0 U	0.47 U	1.0 U	1.6	0.5 U	2.0 U	0.3 J	1.0 U	0.31 J	2.0 U	0.29 J
2-Butanone	50	1.1 U	5.0 U	1.3 U	5.0 U	5.0 U	2.2 J			20 U			10 U
Acetone	50	2.3 U	5.0 U	16	18	20	15			50 U			10 U
Benzene	1	0.39 U	1.0 U	0.32 U	1.0 U	1.0 U	0.5 U	1.0 U	0.15 J	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride	5	1.1 U	1.0 U	0.62 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	5.0 U	2.0 U	2.0 U	1.0 U
Chloroethane	5	0.83 U	1.0 U	0.66 U	1.0 U	2.5	2.8	2.3	1.7 J	2.0 U	2.0 J	2.0 U	0.87 J
Chloroform	7	0.33 U	1.0 U	0.34 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
Chloromethane	5	0.34 U	1.0 U	0.54 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
cis-1,2-Dichloroethene	5	0.29 U	1.0 U	0.35 U	1.0 U	1.0 U	0.5 U			1.0 U			1.0 U
Tetrachloroethene	5	0.48 U	1.0 U	0.27 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U
Toluene	5	0.36 U	1.0 U	0.37 U	1.0 U	1.0 U	0.5 U	1.0 U	0.11 J	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	0.46 U	1.0 U	0.28 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U

Sample ID	NYSDEC Class	TW-5S											
Sampling Date	GA Standard	9/6/2007	10/17/2008	6/25/2009	3/23/2010	6/21/2011	7/24/2012	10/29/2013	5/8/2015	9/30/2016	10/25/2017	3/26/2019	10/13/2020
Volatile Organic Compounds (µg/L)													
1,1,1-Trichloroethane	5	0.32 U	11	13	7.4	7.9	11	7.9	2.0 J	7.1	13	3.3	5.2
1,1-Dichloroethane	5*	0.38 U	1.0 U	0.48 J	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	1.2 J	2.0 U	1.0 U
1,1-Dichloroethene	5	0.42 U	1.0 U	0.47 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U
2-Butanone	50	1.1 U	5.0 U	1.3 U	5.0 U	5.0 U	2.7 J			20 U			10 U
Acetone	50	2.3 U	5.0 U	9.2	18	5.0 U	14			50 U			10 U
Benzene	1	0.39 U	1.0 U	0.32 U	1.0 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride	5	1.1 U	1.0 U	0.62 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	5.0 U	2.0 U	2.0 U	1.0 U
Chloroethane	5	0.83 U	1.0 U	0.66 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
Chloroform	7	0.33 U	1.0 U	0.34 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
Chloromethane	5	0.34 U	1.0 U	0.54 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
cis-1,2-Dichloroethene	5	0.29 U	1.0 U	0.35 U	1.0 U	1.0 U	0.5 U			1.0 U			1.0 U
Tetrachloroethene	5	0.48 U	1.0 U	0.27 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U
Toluene	5	0.36 U	1.0 U	0.37 U	1.0 U	1.0 U	0.5 U	1.0 U	0.16 J	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	0.46 U	1.0 U	0.28 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U

Definitions:
* - NYSDEC Principal Organic Contaminant Standard of 5 ug/l applies to this compound.
µg/L - microgram per liter
D - Sample dilluted.
J - Compound detected below the reporting limit or concentration is estimated for TICS.
U - The compound was not detected at the indicated concentration.
NYSDEC - New York State Department of Environmental Conservation

Notes:
1. Concentrations detected above the NYSDEC Class GA Standard are highlighted in yellow.
2. TW-X is a duplicate sample collected at TW-15.
3. Blank space indicates sample not analyzed for that compound.

TABLE 4-2
SUMMARY OF GROUNDWATER DETECTIONS (VOCS)
GLADDING CORDAGE
SOUTH OTSELIC, NEW YORK
NYSDEC Site No. 7-09-009

Sample ID	NYSDEC Class	TW-5I											
Sampling Date	GA Standard	9/6/2007	10/17/2008	6/25/2009	3/23/2010	6/21/2011	7/24/2012	10/29/2013	5/6/2015	9/30/2016	10/26/2017	3/26/2019	10/13/2020
Volatile Organic Compounds (µg/L)													
1,1,1-Trichloroethane	5	4.8 J	8.8	90	8.6	5.5	4.3	4.1	9.6	3.2	4.0	1.39 J	1.0 U
1,1-Dichloroethane	5*	0.38 U	1.0	3.5	2.3	1.7	0.5 U	2.0 U	0.47 J	1.0 U	0.81 J	0.19 J	0.39 J
1,1-Dichloroethene	5	0.42 U	1.0 U	0.47 U	1.0 U	1.0 U	0.5 U	2.0 U	0.22 J	1.0 U	2.0 U	2.0 U	1.0 U
2-Butanone	50	1.1 U	5.0 U	1.3 U	5.0 U	5.0 U	2.3 J			20 U			10 U
Acetone	50	2.3 U	5.0 U	13	15	18	14			50 U			10 U
Benzene	1	6.2	3.5	0.32 U	32	1.0 U	4.8	1.9	4.7	1.2	4.8	0.27 J	1.0 U
Carbon Tetrachloride	5	1.1 U	1.0 U	0.62 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	5.0 U	2.0 U	2.0 U	1.0 U
Chloroethane	5	0.83 U	1.0 U	0.66 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
Chloroform	7	0.33 U	1.0 U	0.34 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
Chloromethane	5	0.34 U	1.0 U	0.54 U	1.0 U	1.0 U	0.43 J	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
cis-1,2-Dichloroethene	5	0.29 U	1.0 U	0.35 U	1.0 U	1.0 U	0.5 U			1.0 U			1.0 U
Tetrachloroethene	5	0.48 U	1.0 U	0.27 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U
Toluene	5	0.36 U	1.0 U	0.37 U	0.63 J	1.0 U	0.44 J	1.0 U	0.17 J	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	0.46 U	1.0 U	0.28 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U

Sample ID	NYSDEC Class	TW-5D											
Sampling Date	GA Standard	9/6/2007	10/17/2008	6/25/2009	3/23/2010	6/21/2011	7/24/2012	10/29/2013	5/6/2015	9/30/2016	10/26/2017	3/26/2019	10/13/2020
Volatile Organic Compounds (µg/L)													
1,1,1-Trichloroethane	5	41	28	32	28	25	28	39	18	3.2	17	15.6	11
1,1-Dichloroethane	5*	0.38 U	1.0 U	0.36 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	0.26 J	2.0 U	1.0 U
1,1-Dichloroethene	5	0.42 U	1.0 U	0.47 U	1.0 U	1.3	0.5 U	2.0 U	0.29 J	1.0 U	0.45 J	2.0 U	0.46 J
2-Butanone	50	1.1 U	5.0 U	1.3 U	5.0 U	5.0 U	2.1 J			20 U			10 U
Acetone	50	2.3 U	5.0 U	20	17	41	14			50 U			10 U
Benzene	1	0.39 U	1.0 U	0.32 U	1.0 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 U	2.8	1.0 U	1.0 U
Carbon Tetrachloride	5	1.1 U	1.0 U	0.62 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	5.0 U	2.0 U	2.0 U	1.0 U
Chloroethane	5	0.83 U	1.0 U	0.66 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
Chloroform	7	0.33 U	1.0 U	0.34 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
Chloromethane	5	0.34 U	1.0 U	0.54 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
cis-1,2-Dichloroethene	5	0.29 U	1.0 U	0.35 U	1.0 U	1.0 U	0.5 U			1.0 U			1.0 U
Tetrachloroethene	5	0.48 U	1.0 U	0.27 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U
Toluene	5	0.36 U	1.0 U	0.37 U	1.0 U	1.0 U	0.5 U	1.0 U	0.12 J	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	0.46 U	1.0 U	0.28 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U

Definitions:
* - NYSDEC Principal Organic Contaminant Standard of 5 ug/l applies to this compound.
µg/L - microgram per liter
D - Sample dilluted.
J - Compound detected below the reporting limit or concentration is estimated for TICS.
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NYSDEC - New York State Department of Environmental Conservation

Notes:
1. Concentrations detected above the NYSDEC Class GA Standard are highlighted in yellow.
2. TW-X is a duplicate sample collected at TW-15.
3. Blank space indicates sample not analyzed for that compound.

TABLE 4-2
SUMMARY OF GROUNDWATER DETECTIONS (VOCS)
GLADDING CORDAGE
SOUTH OTSELIC, NEW YORK
NYSDEC Site No. 7-09-009

Sample ID	NYSDEC Class	TW-6S											
Sampling Date	GA Standard	9/6/2007	10/17/2008	6/25/2009	3/23/2010	6/21/2011	7/24/2012	10/29/2013	5/6/2015	9/30/2016	10/24/2017	3/26/2019	10/12/2020
Volatile Organic Compounds (µg/L)													
1,1,1-Trichloroethane	5	0.32 U	0.53 J	0.4 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U
1,1-Dichloroethane	5*	0.38 U	1.0 U	0.36 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U
1,1-Dichloroethene	5	0.42 U	1.0 U	0.47 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U
2-Butanone	50	1.1 U	5.0 U	1.3 U	5.0 U	5.0 U	2.3 J			20 U			10 U
Acetone	50	2.3 U	5.0 U	11	15	17	12			50 U			10 U
Benzene	1	0.39 U	1.0 U	0.32 U	1.0 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride	5	1.1 U	1.0 U	0.62 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	5.0 U	2.0 U	2.0 U	1.0 U
Chloroethane	5	0.83 U	1.0 U	0.66 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
Chloroform	7	0.33 U	1.6	1.0	1.1	1.2	4.7	8.6	1.4 J	3.0	2.2	3.02	2.8
Chloromethane	5	0.34 U	1 U	0.54 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
cis-1,2-Dichloroethene	5	0.29 U	1.0 U	0.35 U	1.0 U	1.0 U	0.5 U			1.0 U			1.0 U
Tetrachloroethene	5	0.48 U	1.0 U	0.27 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U
Toluene	5	0.36 U	1.0 U	0.37 U	1.0 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	0.46 U	1.0 U	0.28 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U

Sample ID	NYSDEC Class	TW-6I											
Sampling Date	GA Standard	9/6/2007	10/17/2008	6/25/2009	3/23/2010	6/21/2011	7/24/2012	10/29/2013	5/6/2015	9/30/2016	10/24/2017	3/26/2019	10/12/2020
Volatile Organic Compounds (µg/L)													
1,1,1-Trichloroethane	5	0.32 U	1.3	0.4 U	1.0 U	1.0 U	3.2	2.2	2.4	1.0 U	0.54 J	0.43 J	1.0 U
1,1-Dichloroethane	5*	0.38 U	1.0 U	0.36 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U
1,1-Dichloroethene	5	0.42 U	1.0 U	0.47 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U
2-Butanone	50	1.1 U	5.0 U	1.3 U	5.0 U	5.0 U	2.1 J			20 U			10 U
Acetone	50	2.3 U	4.4 J	11	18	14	16			50 U			10 U
Benzene	1	0.39 U	1.0 U	0.32 U	0.99 J	1.1	0.5 U	1.0 U	1.5	2.5	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride	5	1.1 U	1.0 U	0.62 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	5.0 U	2.0 U	2.0 U	1.0 U
Chloroethane	5	0.83 U	1.0 U	0.66 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
Chloroform	7	0.33 U	1.0 U	0.34 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
Chloromethane	5	0.34 U	1.0 U	0.54 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
cis-1,2-Dichloroethene	5	0.29 U	4.1	0.35 U	1.0 U	1.0 U	0.5 U			1.0 U			1.0 U
Tetrachloroethene	5	0.48 U	2.4	0.27 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U
Toluene	5	0.36 U	1.0 U	0.37 U	1.0 U	1.0 U	0.5 U	1.0 U	0.15 J	1.0 U	0.18 J	1.0 U	1.0 U
Trichloroethene	5	0.46 U	1.2	0.28 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U

Definitions:
* - NYSDEC Principal Organic Contaminant Standard of 5 ug/l applies to this compound.
µg/L - microgram per liter
D - Sample dilluted.
J - Compound detected below the reporting limit or concentration is estimated for TICS.
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NYSDEC - New York State Department of Environmental Conservation

Notes:
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2. TW-X is a duplicate sample collected at TW-15.
3. Blank space indicates sample not analyzed for that compound.

TABLE 4-2
SUMMARY OF GROUNDWATER DETECTIONS (VOCS)
GLADDING CORDAGE
SOUTH OTSELIC, NEW YORK
NYSDEC Site No. 7-09-009



Sample ID	NYSDEC Class	TW-6D											
Sampling Date	GA Standard	9/6/2007	10/17/2008	6/25/2009	3/23/2010	6/21/2011	7/24/2012	10/29/2013	5/6/2015	9/30/2016	10/24/2017	3/26/2019	10/12/2020
Volatile Organic Compounds (µg/L)													
1,1,1-Trichloroethane	5	0.32 U	1.0 U	0.4 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U
1,1-Dichloroethane	5*	0.38 U	1.0 U	0.36 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U
1,1-Dichloroethene	5	0.42 U	1.0 U	0.47 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U
2-Butanone	50	1.1 U	5.0 U	1.3 U	5.0 U	5.0 U	1.9 J			20 U			10 U
Acetone	50	2.3 U	5.0 U	21	9.5	16	13			50 U			10 U
Benzene	1	0.39 U	1.0 U	1.0	1.0 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride	5	1.1 U	1.0 U	0.62 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	5.0 U	2.0 U	2.0 U	1.0 U
Chloroethane	5	0.83 U	1.0 U	0.66 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
Chloroform	7	0.33 U	1.0 U	0.34 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
Chloromethane	5	0.34 U	1.0 U	0.54 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
cis-1,2-Dichloroethene	5	0.29 U	1.0 U	0.35 U	1.0 U	1.0 U	0.5 U			1.0 U			1.0 U
Tetrachloroethene	5	0.48 U	1.0 U	0.27 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U
Toluene	5	0.36 U	1.0 U	0.37 U	1.0 U	1.0 U	0.5 U	1.0 U	0.11 J	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	0.46 U	1.0 U	0.28 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U

Sample ID	NYSDEC Class	TW-7S											
Sampling Date	GA Standard	9/6/2007	10/17/2008	6/25/2009	3/23/2010	6/21/2011	7/24/2012	10/29/2013	5/6/2015	9/30/2016	10/24/2017	3/26/2019	10/13/2020
Volatile Organic Compounds (µg/L)													
1,1,1-Trichloroethane	5	8.2	18	7.8	6.8	5.0	11	12	5.1	6.6	6.8	3.9	11
1,1-Dichloroethane	5*	0.38 U	1.0 U	0.36 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U
1,1-Dichloroethene	5	0.42 U	1.0 U	0.47 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U
2-Butanone	50	1.1 U	5.0 U	1.3 U	5.0 U	5.0 U	2.9 J			20 U			10 U
Acetone	50	2.3 U	3.3 J	22	12	19	15			50 U			10 U
Benzene	1	0.39 U	1.0 U	0.32 U	1.0 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride	5	1.1 U	2.6	0.62 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	5.0 U	2.0 U	2.0 U	1.0 U
Chloroethane	5	0.83 U	1.0 U	0.66 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
Chloroform	7	0.33 U	1.0 U	0.34 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
Chloromethane	5	0.34 U	1.0 U	0.54 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
cis-1,2-Dichloroethene	5	0.29 U	1.0 U	0.35 U	1.0 U	1.0 U	0.5 U			1.0 U			1.0 U
Tetrachloroethene	5	0.48 U	1.0 U	0.27 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U
Toluene	5	0.36 U	1.0 U	0.37 U	1.0 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	0.46 U	1.0 U	0.28 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U

Definitions:
* - NYSDEC Principal Organic Contaminant Standard of 5 ug/l applies to this compound.
µg/L - microgram per liter
D - Sample dilluted.
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Notes:
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2. TW-X is a duplicate sample collected at TW-15.
3. Blank space indicates sample not analyzed for that compound.

TABLE 4-2
SUMMARY OF GROUNDWATER DETECTIONS (VOCS)
GLADDING CORDAGE
SOUTH OTSELIC, NEW YORK
NYSDEC Site No. 7-09-009



Sample ID	NYSDEC Class	TW-7I											
Sampling Date	GA Standard	9/6/2007	10/17/2008	6/25/2009	3/23/2010	6/21/2011	7/24/2012	10/29/2013	5/6/2015	9/30/2016	10/24/2017	3/26/2019	10/12/2020
Volatile Organic Compounds (µg/L)													
1,1,1-Trichloroethane	5	0.32 U	1.5	0.4 U	2.2	0.69 J	1.6	2.0 U	1.1 J	1.1	1.4 J	0.94 J	1.1
1,1-Dichloroethane	5*	0.38 U	1.0 U	0.36 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U
1,1-Dichloroethene	5	0.42 U	1.0 U	0.47 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U
2-Butanone	50	1.1 U	5.0 U	1.3 U	5.0 U	5.0 U	1.8 J			20 U			10 U
Acetone	50	2.3 U	5.0 U	15	17	21	11			50 U			10 U
Benzene	1	0.39 U	1.0 U	0.32 U	1.0 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride	5	1.1 U	1.0 U	0.62 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	5.0 U	2.0 U	2.0 U	1.0 U
Chloroethane	5	0.83 U	1.0 U	0.66 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
Chloroform	7	0.33 U	1.0 U	0.34 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
Chloromethane	5	0.34 U	1.0 U	0.54 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
cis-1,2-Dichloroethene	5	0.29 U	1.0 U	0.35 U	1.0 U	1.0 U	0.5 U			1.0 U			1.0 U
Tetrachloroethene	5	0.48 U	1.0 U	0.27 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U
Toluene	5	0.36 U	1.0 U	0.37 U	1.0 U	1.0 U	0.5 U	1.0 U	0.11 J	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	0.46 U	1.0 U	0.28 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U

Sample ID	NYSDEC Class	TW-7D											
Sampling Date	GA Standard	9/6/2007	10/17/2008	6/25/2009	3/23/2010	6/21/2011	7/24/2012	10/29/2013	5/6/2015	9/30/2016	10/26/2017	3/26/2019	10/12/2020
Volatile Organic Compounds (µg/L)													
1,1,1-Trichloroethane	5	21	3.8	9.1	5.2	4.5	4.4	5.9	10	1.1	1.4 J	0.65 J	1.0 U
1,1-Dichloroethane	5*	0.38 U	1.0 U	0.36 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U
1,1-Dichloroethene	5	4.8 J	1.0 U	0.47 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U
2-Butanone	50	1.1 U	5.0 U	1.3 U	5.0 U	5.0 U	2.4 J			20 U			10 U
Acetone	50	2.3 U	5.0 U	17	18	14	13			50 U			10 U
Benzene	1	0.39 U	1.0 U	0.32 U	1.0 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride	5	1.1 U	1.0 U	0.62 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	5.0 U	2.0 U	2.0 U	1.0 U
Chloroethane	5	0.83 U	1.0 U	0.66 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
Chloroform	7	0.33 U	1.0 U	0.34 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
Chloromethane	5	0.34 U	1.0 U	0.54 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
cis-1,2-Dichloroethene	5	0.29 U	1.0 U	0.35 U	1.0 U	1.0 U	0.5 U			1.0 U			1.0 U
Tetrachloroethene	5	0.48 U	1.0 U	0.27 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U
Toluene	5	0.36 U	1.0 U	0.37 U	1.0 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	0.46 U	1.0 U	0.28 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U

Definitions:
* - NYSDEC Principal Organic Contaminant Standard of 5 ug/l applies to this compound.
µg/L - microgram per liter
D - Sample dilluted.
J - Compound detected below the reporting limit or concentration is estimated for TICS.
U - The compound was not detected at the indicated concentration.
NYSDEC - New York State Department of Environmental Conservation

Notes:
1. Concentrations detected above the NYSDEC Class GA Standard are highlighted in yellow.
2. TW-X is a duplicate sample collected at TW-15.
3. Blank space indicates sample not analyzed for that compound.

TABLE 4-2
SUMMARY OF GROUNDWATER DETECTIONS (VOCS)
GLADDING CORDAGE
SOUTH OTSELIC, NEW YORK
NYSDEC Site No. 7-09-009

Sample ID	NYSDEC Class	TW-9I									
Sampling Date	GA Standard	6/25/2009	3/23/2010	6/21/2011	7/24/2012	10/29/2013	5/6/2015	9/30/2016	10/26/2017	3/26/2019	10/13/2020
Volatile Organic Compounds (µg/L)											
1,1,1-Trichloroethane	5	5.5	4.3	4.2	4.2	4.0	3.0	1.0 U	0.4 J	2.92	2.8
1,1-Dichloroethane	5*	0.36 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U
1,1-Dichloroethene	5	0.47 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U
2-Butanone	50	1.3 U	5.0 U	5.0 U	2.6 J			20 U			10 U
Acetone	50	17	14	19	16			50 U			10 U
Benzene	1	0.32 U	1.0 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 U	21	1.0 U	1.0 U
Carbon Tetrachloride	5	0.62 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	5.0 U	2.0 U	2.0 U	1.0 U
Chloroethane	5	0.66 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
Chloroform	7	0.34 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
Chloromethane	5	0.54 U	1.0 U	1.0 U	0.41 J	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
cis-1,2-Dichloroethene	5	0.35 U	1.0 U	1.0 U	0.5 U			1.0 U			1.0 U
Tetrachloroethene	5	0.27 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U
Toluene	5	0.37 U	1.0 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	0.28 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U

Sample ID	NYSDEC Class	TW-9D									
Sampling Date	GA Standard	6/25/2009	3/23/2010	6/21/2011	7/24/2012	10/29/2013	5/6/2015	9/30/2016	10/24/2017	3/26/2019	10/13/2020
Volatile Organic Compounds (µg/L)											
1,1,1-Trichloroethane	5	0.4 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	3.3	2.0 U	2.0 U	1.0 U
1,1-Dichloroethane	5*	0.36 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U
1,1-Dichloroethene	5	0.47 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U
2-Butanone	50	1.3 U	5.0 U	5.0 U	1.9 J			20 U			10 U
Acetone	50	9.1	13	3.6 J	14			50 U			10 U
Benzene	1	0.32 U	1.0 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 U	1.6	1.0 U	1.0 U
Carbon Tetrachloride	5	0.62 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	5.0 U	2.0 U	2.0 U	1.0 U
Chloroethane	5	0.66 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
Chloroform	7	0.34 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
Chloromethane	5	0.54 U	1.0 U	1.0 U	0.4 J	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
cis-1,2-Dichloroethene	5	0.35 U	1.0 U	1.0 U	0.5 U			1.0 U			1.0 U
Tetrachloroethene	5	0.27 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U
Toluene	5	0.37 U	1.0 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	0.28 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U

Definitions:
* - NYSDEC Principal Organic Contaminant Standard of 5 ug/l applies to this compound.
µg/L - microgram per liter
D - Sample dilluted.
J - Compound detected below the reporting limit or concentration is estimated for TICS.
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NYSDEC - New York State Department of Environmental Conservation

Notes:
1. Concentrations detected above the NYSDEC Class GA Standard are highlighted in yellow.
2. TW-X is a duplicate sample collected at TW-15.
3. Blank space indicates sample not analyzed for that compound.

TABLE 4-2
SUMMARY OF GROUNDWATER DETECTIONS (VOCS)
GLADDING CORDAGE
SOUTH OTSELIC, NEW YORK
NYSDEC Site No. 7-09-009



Sample ID	NYSDEC Class	TW-10D		TW-12I											
Sampling Date	GA Standard	6/25/2009	10/12/2020	9/6/2007	10/17/2008	6/25/2009	3/23/2010	6/21/2011	7/24/2012	10/29/2013	5/6/2015	9/30/2016	10/24/2017	3/26/2019	10/12/2020
Volatile Organic Compounds (µg/L)															
1,1,1-Trichloroethane	5	0.53 J	1.0 U	0.32 U	1.0 U	0.4 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	1.7 J	2.5	1.9
1,1-Dichloroethane	5*	0.36 U	1.0 U	0.38 U	1.0 U	0.36 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	1.0 U	2.0 U	1.0 U
1,1-Dichloroethene	5	0.47 U	1.0 U	0.42 U	1.0 U	0.47 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	1.0 U	2.0 U	1.0 U
2-Butanone	50	1.3 U	10 U	1.1 U	5.0 U	1.3 U	5.0 U	5.0 U	1.8 J			20 U			10 U
Acetone	50	19	10 U	2.3 U	5.0 U	10	21	13	12			50 U			10 U
Benzene	1	0.32 U	1.0 U	0.39 U	1.0 U	0.32 U	1.0 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride	5	0.62 U	1.0 U	1.1 U	1.0 U	0.62 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	5.0 U	2.0 U	2.0 U	1.0 U
Chloroethane	5	0.66 U	1.0 U	0.83 U	1.0 U	0.66 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
Chloroform	7	0.34 U	1.0 U	0.33 U	1.0 U	0.34 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
Chloromethane	5	0.54 U	1.0 U	0.34 U	1.0 U	0.54 U	1.0 U	1.0 U	0.43 J	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
cis-1,2-Dichloroethene	5	0.35 U	1.0 U	0.29 U	1.0 U	0.35 U	1.0 U	1.0 U	0.5 U			1.0 U			1.0 U
Tetrachloroethene	5	0.27 U	1.0 U	0.48 U	1.0 U	0.27 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U
Toluene	5	0.37 U	1.0 U	0.36 U	1.0 U	0.37 U	1.0 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	0.28 U	1.0 U	0.46 U	1.0 U	0.28 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U

Sample ID	NYSDEC Class	TW-12D											
Sampling Date	GA Standard	9/6/2007	6/25/2009	3/23/2010	6/21/2011	7/24/2012	10/29/2013	5/6/2015	9/30/2016	10/24/2017	3/26/2019	10/12/2020	
Volatile Organic Compounds (µg/L)													
1,1,1-Trichloroethane	5	0.32 U	0.4 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	0.48 J	0.5 J	1.0 U	
1,1-Dichloroethane	5*	0.38 U	0.36 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U	
1,1-Dichloroethene	5	0.42 U	0.47 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U	
2-Butanone	50	1.1 U	1.3 U	5.0 U	5 U	2.8 J			20 U			10 U	
Acetone	50	2.3 U	14	13	11	18			50 U			10 U	
Benzene	1	0.39 U	0.32 U	1.0 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
Carbon Tetrachloride	5	1.1 U	0.62 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	5.0 U	2.0 U	2.0 U	1.0 U	
Chloroethane	5	0.83 U	0.66 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U	
Chloroform	7	0.33 U	0.34 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U	
Chloromethane	5	0.34 U	0.54 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U	
cis-1,2-Dichloroethene	5	0.29 U	0.35 U	1.0 U	1.0 U	0.5 U			1.0 U			1.0 U	
Tetrachloroethene	5	0.48 U	0.27 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U	
Toluene	5	0.36 U	0.37 U	1.0 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
Trichloroethene	5	0.46 U	0.28 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U	

Definitions:
* - NYSDEC Principal Organic Contaminant Standard of 5 ug/l applies to this compound.
µg/L - microgram per liter
D - Sample dilluted.
J - Compound detected below the reporting limit or concentration is estimated for TICS.
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NYSDEC - New York State Department of Environmental Conservation
Notes:
1. Concentrations detected above the NYSDEC Class GA Standard are highlighted in yellow.
2. TW-X is a duplicate sample collected at TW-15.
3. Blank space indicates sample not analyzed for that compound.

TABLE 4-2
SUMMARY OF GROUNDWATER DETECTIONS (VOCS)
GLADDING CORDAGE
SOUTH OTSELIC, NEW YORK
NYSDEC Site No. 7-09-009

Sample ID	NYSDEC Class	TW-14S												
Sampling Date	GA Standard	9/6/2007	10/17/2008	6/25/2009	3/23/2010	6/21/2011	7/24/2012	10/29/2013	5/6/2015	9/30/2016	10/25/2017	3/26/2019	10/14/2020	
Volatile Organic Compounds (µg/L)														
1,1,1-Trichloroethane	5	0.32 U	68	0.4 U	16	12	21	10	4.5	50	34	29	32	
1,1-Dichloroethane	5*	0.38 U	5.8	1.2	0.64 J	0.55 J	0.95 J	2.0 U	2.0 U	5.3	1.5 J	0.76 J	1.0	
1,1-Dichloroethene	5	0.42 U	1.0 U	0.47 U	1.0 U	0.67 J	0.5 U	2.0 U	2.0 U	1.0 U	0.47 J	0.38 J	0.72 J	
2-Butanone	50	1.1 U	5.0 U	1.3 U	5.0 U	5.0 U	2.0 J			20 U			10 U	
Acetone	50	2.3 U	5.0 U	14	16	18	14			50 U			10 U	
Benzene	1	0.39 U	1.0 U	0.32 U	1.0 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
Carbon Tetrachloride	5	1.1 U	1.0 U	0.62 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	5.0 U	2.0 U	2.0 U	1.0 U	
Chloroethane	5	0.83 U	1.0 U	0.66 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U	
Chloroform	7	0.33 U	1.0 U	0.34 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U	
Chloromethane	5	0.34 U	1.0 U	0.54 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U	
cis-1,2-Dichloroethene	5	0.29 U	1.0 U	0.35 U	1.0 U	1.0 U	0.5 U			1.0 U			1.0 U	
Tetrachloroethene	5	0.48 U	1.0 U	0.27 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U	
Toluene	5	0.36 U	1.0 U	0.37 U	1.0 U	1.0 U	0.5 U	1.0 U	0.15 J	1.0 U	1.0 U	1.0 U	1.0 U	
Trichloroethene	5	0.46 U	1.0 U	0.28 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U	

Sample ID	NYSDEC Class	TW-14I											
Sampling Date	GA Standard	9/6/2007	10/17/2008	6/25/2009	3/23/2010	6/21/2011	7/24/2012	10/29/2013	5/6/2015	9/30/2016	10/25/2017	3/26/2019	10/13/2020
Volatile Organic Compounds (µg/L)													
1,1,1-Trichloroethane	5	39	95	83	82	87	76	59	57	65	51	36.9	54
1,1-Dichloroethane	5*	0.38 U	2.8	3.2	3.2	3.5	2.6	2.1	2.0 J	2.4	2.4	1.34 J	1.9
1,1-Dichloroethene	5	3.7 J	1.5	0.47 U	2.1	4.4	1.4	2.0 U	1.1 J	1.3	1.1 J	0.71 J	1.2
2-Butanone	50	1.1 U	5.0 U	1.3 U	5.0 U	5.0 U	2.2 J			20 U			10 U
Acetone	50	2.3 U	5.0 U	13	17	20	16			50 U			10 U
Benzene	1	0.39 U	1.0 U	0.32 U	1.0 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride	5	1.1 U	1.0 U	0.62 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	5.0 U	2.0 U	2.0 U	1.0 U
Chloroethane	5	0.83 U	1.0 U	0.66 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
Chloroform	7	0.33 U	1.0 U	0.34 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
Chloromethane	5	0.34 U	1.0 U	0.54 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
cis-1,2-Dichloroethene	5	0.29 U	1.0 U	0.35 U	1.0 U	1.0 U	0.5 U			1.0 U			1.0 U
Tetrachloroethene	5	0.48 U	1.0 U	0.27 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U
Toluene	5	0.36 U	1.0 U	0.37 U	1.0 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	0.46 U	1.0 U	0.28 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U

Definitions:
* - NYSDEC Principal Organic Contaminant Standard of 5 ug/l applies to this compound.
µg/L - microgram per liter
D - Sample dilluted.
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Notes:
1. Concentrations detected above the NYSDEC Class GA Standard are highlighted in yellow.
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3. Blank space indicates sample not analyzed for that compound.

TABLE 4-2
SUMMARY OF GROUNDWATER DETECTIONS (VOCS)
GLADDING CORDAGE
SOUTH OTSELIC, NEW YORK
NYSDEC Site No. 7-09-009



Sample ID	NYSDEC Class	TW-14D											
Sampling Date	GA Standard	9/6/2007	10/17/2008	6/25/2009	3/23/2010	6/21/2011	7/24/2012	10/29/2013	5/6/2015	9/30/2016	10/25/2017	3/26/2019	10/14/2020
Volatile Organic Compounds (µg/L)													
1,1,1-Trichloroethane	5	42	18	0.4 U	9.1	12	11	56	10	6.5	7.5	8.45	9.2
1,1-Dichloroethane	5*	0.38 U	1.0 U	0.36 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	0.39 J	2.0 U	0.39 J
1,1-Dichloroethene	5	7.2	1.0 U	0.47 U	1.0 U	0.67 J	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U
2-Butanone	50	1.1 U	5.0 U	1.3 U	5.0 U	5.0 U	2.2 J			20 U			10 U
Acetone	50	2.3 U	5.0 U	15	18	25	17			50 U			10 U
Benzene	1	0.39 U	1.0 U	0.32 U	1.0 U	1.0 U	0.5 U	1.0 U	5.7	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride	5	1.1 U	1.0 U	0.62 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	5.0 U	2.0 U	2.0 U	1.0 U
Chloroethane	5	0.83 U	1.0 U	0.66 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
Chloroform	7	0.33 U	1.0 U	0.34 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
Chloromethane	5	0.34 U	1.0 U	0.54 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	1.0 U
cis-1,2-Dichloroethene	5	0.29 U	1.0 U	0.35 U	1.0 U	1.0 U	0.5 U			1.0 U			1.0 U
Tetrachloroethene	5	0.48 U	1.0 U	0.27 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U
Toluene	5	0.36 U	1.0 U	0.37 U	1.0 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	0.46 U	1.0 U	0.28 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U

Sample ID	NYSDEC Class	TW-15													TW-X-DUP
Sampling Date	GA Standard	9/6/2007	10/17/2008	6/25/2009	3/23/2010	6/21/2011	7/24/2012	10/29/2013	5/6/2015	9/30/2016	10/26/2017	3/26/2019	10/13/2020	10/13/2020	
Volatile Organic Compounds (µg/L)															
1,1,1-Trichloroethane	5	17	84 D	95	97	89	85	9.4	32	14	16	35.9	9.2	9.7	
1,1-Dichloroethane	5*	0.38 U	3.3	3.4	4.1	3.8	3.4	2.0 U	1.6	1.0 U	1.1 J	1.63 J	0.77 J	0.78 J	
1,1-Dichloroethene	5	4.6 J	2.0	1.8	2.7	5.9	2.0	2.0 U	0.93	1.0 U	0.46 J	0.87 J	1.0 U	1.0 U	
2-Butanone	50	1.1 U	5.0 U	1.3 U	5.0 U	5.0 U	2.9 J			20 U			10 U	10 U	
Acetone	50	2.3 U	5.0 U	9.7	15	35	17			50 U			10 U	10 U	
Benzene	1	0.39 U	1.0 U	0.32 U	1.0 U	1.0 U	0.5 U	1.0 U	13	1.3	1.0 U	1.0 U	1.0 U	1.0 U	
Carbon Tetrachloride	5	1.1 U	1.0 U	0.62 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	5.0 U	2.0	2.0 U	1.0 U	1.0 U	
Chloroethane	5	0.83 U	1.0 U	0.66 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0	2.0 U	1.0 U	1.0 U	
Chloroform	7	0.33 U	1.0 U	0.34 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	2.0 U	2.0	2.0 U	1.0 U	1.0 U	
Chloromethane	5	0.34 U	1.0 U	0.54 U	1.0 U	1.0 U	0.48 J	2.0 U	2.0 U	2.0 U	2.0	2.0 U	1.0 U	1.0 U	
cis-1,2-Dichloroethene	5	0.29 U	1.0 U	0.35 U	1.0 U	1.0 U	0.5 U			1.0 U			1.0 U	1.0 U	
Tetrachloroethene	5	0.48 U	1.0 U	0.27 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	
Toluene	5	0.36 U	1.0 U	0.37 U	1.0 U	1.0 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	
Trichloroethene	5	0.46 U	1.0 U	0.28 U	1.0 U	1.0 U	0.5 U	2.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	

Definitions:
* - NYSDEC Principal Organic Contaminant Standard of 5 ug/l applies to this compound.
µg/L - microgram per liter
D - Sample dilluted.
J - Compound detected below the reporting limit or concentration is estimated for TICS.
U - The compound was not detected at the indicated concentration.
NYSDEC - New York State Department of Environmental Conservation

Notes:
1. Concentrations detected above the NYSDEC Class GA Standard are highlighted in yellow.
2. TW-X is a duplicate sample collected at TW-15.
3. Blank space indicates sample not analyzed for that compound.

TABLE 4-3
SUMMARY OF GROUNDWATER DETECTIONS (PFAS/1,4-DIOXANE)
GLADDING CORDAGE
SOUTH OTSELIC, NEW YORK
NYSDEC Site No. 7-09-009

Sample ID Sample Date	USEPA LIFETIME HEALTH ADVISORY	NYSDEC GUIDANCE VALUE	TW-1	TW-2S	TW-2I	TW-2D	TW-3S		TW-3I		TW-3D	
			10/13/2020	10/13/2020	10/13/2020	10/13/2020	10/25/2017	10/14/2020	10/25/2017	10/14/2020	10/25/2017	10/14/2020
Perfluorinated Alkyl Substances (ng/L)												
Perfluorobutanesulfonic acid (PFBS)	--	100	1.7 U	1.8 U	1.8 U	1.8 U	2.0 U	33	2.0 U	1.8 U	2.0 U	1.7 U
Perfluorohexanesulfonic acid (PFHxS)	--	100	1.7 U	1.8 U	1.8 U	1.8 U	2.0 U	1.7 U	2.0 U	1.8 U	2.0 U	1.7 U
Perfluoroheptanoic acid (PFHpA)	--	100	1.7 U	1.8 U	1.8 U	1.8 U	6.74 J	2.4	2.0 U	1.8 U	2.0 U	1.7 U
Perfluorooctanoic acid (PFOA)	70	10*	1.7 U	1.8 U	1.3 J	1.1 J	1.55 J	0.89 J	2.0 U	0.97 J	1.92 J	1.2 J
Perfluorooctanesulfonic acid (PFOS)	70	10*	1.7 U	0.88 J	7.4	3.0	2.9 J	0.9 J	1.96 J	1.4 J	3.4	4.5
Perfluorononanoic acid (PFNA)	--	100	1.7 U	1.8 U	1.8 U	1.8 U	2.0 U	1.7 U	2.0 U	1.8 U	2.0 U	1.7 U
Perfluorobutanoic acid (PFBA)	--	100	4.4 U	4.4 U	4.5 U	4.5 U	NA	3.2 J	NA	4.4 U	NA	4.2 U
Perfluoropentanoic acid (PFPeA)	--	100	1.7 U	1.8 U	1.8 U	1.8 U	NA	8.8	NA	1.8 U	NA	1.7 U
Perfluorohexanoic acid (PFHxA)	--	100	1.7 U	1.8 U	1.8 U	1.8 U	NA	15	NA	1.8 U	NA	1.7 U
Perfluorodecanoic acid (PFDA)	--	100	1.7 U	1.8 U	1.8 U	1.8 U	NA	1.7 U	NA	1.8 U	NA	1.7 U
Perfluoroheptanesulfonic Acid (PFHpS)	--	100	1.7 U	1.8 U	1.8 U	1.8 U	NA	1.7 U	NA	1.8 U	NA	1.7 U
Perfluorooctanesulfonamide (PFOSA)	--	100	1.7 U	1.8 U	0.81 J	1.8 U	NA	1.7 U	NA	0.84 J	NA	2.2
Perfluoroundecanoic acid (PFUnA)	--	100	1.7 U	1.8 U	1.8 U	1.8 U	NA	1.7 U	NA	1.8 U	NA	1.7 U
Perfluorododecanoic acid (PFDoA)	--	100	1.7 U	1.8 U	1.8 U	1.8 U	NA	1.7 U	NA	1.8 U	NA	1.7 U
Perfluorotridecanoic acid (PFTriA)	--	100	1.7 U	1.8 U	1.8 U	1.8 U	NA	1.7 U	NA	1.8 U	NA	1.7 U
Perfluorotetradecanoic acid (PFTeA)	--	100	1.7 U	1.8 U	1.8 U	1.8 U	NA	1.7 U	NA	1.8 U	NA	1.7 U
Perfluorodecanesulfonic acid (PFDS)	--	100	1.7 U	1.8 U	1.8 U	1.8 U	NA	1.7 U	NA	1.8 U	NA	1.7 U
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	--	100	4.4 U	4.4 U	4.5 U	4.5 U	NA	1.7 U	NA	4.4 U	NA	4.2 U
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	--	100	4.4 U	4.4 U	4.5 U	4.5 U	NA	1.9 J	NA	4.4 U	NA	4.2 U
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	--	100	4.4 U	4.4 U	4.5 U	4.5 U	NA	1.2 J	NA	4.4 U	NA	4.2 U
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	--	100	1.7 U	1.8 U	1.8 U	1.8 U	NA	1.7 U	NA	1.8 U	NA	1.7 U
Total PFOA + PFOS	70	--	ND	0.88	8.70	4.10	4.45	1.79	1.96	2.37	5.32	5.70
Total PFAS	--	500	ND	0.88	9.51	4.10	11.19	67.29	1.96	3.21	5.32	7.90
1,4-Dioxane (ug/L)	--	1.0*	0.19 U	0.19 U	0.19 U	0.19 U	0.4 U	0.19 U	0.4 U	0.19 U	0.4 U	0.19 U

Definitions:

µg/L - micrograms per liter

ng/L - nanograms per liter or parts per trillion

E - Results exceeded calibration range.

J - Compound detected below the reporting limit or concentration is estimated for TICS.

U - The compound was not detected at the indicated concentration.

NA - Not analyzed.

NYSDEC - New York State Department of Environmental Conservation

Notes:

1. Concentrations detected above the NYSDEC Class GA Standard are highlighted in yellow.

2. The current USEPA Public Health Advisory for PFOA/PFOS in drinking water is 70 ng/L.

3. TW-X is a duplicate sample collected at TW-15.

TABLE 4-3
SUMMARY OF GROUNDWATER DETECTIONS (PFAS/1,4-DIOXANE)
GLADDING CORDAGE
SOUTH OTSELIC, NEW YORK
NYSDEC Site No. 7-09-009

Sample ID Sample Date	USEPA LIFETIME HEALTH ADVISORY	NYSDEC GUIDANCE VALUE	TW-4I		TW-5S		TW-5I		TW-5D		TW-6S	
			10/25/2017	10/13/2020	10/25/2017	10/13/2020	10/25/2017	10/12/2020	10/25/2017	10/12/2020	10/24/2017	10/12/2020
Perfluorinated Alkyl Substances (ng/L)												
Perfluorobutanesulfonic acid (PFBS)	--	100	2.0 U	1.6 U	2.12	3.4	4.61	6.7	2.0 U	1.8 U	2.0 U	1.6 U
Perfluorohexanesulfonic acid (PFHxS)	--	100	2.0 U	1.6 U	2.0 U	1.8 U	1.08 J	1.8 U	2.0 U	1.1 J	2.0 U	1.6 U
Perfluoroheptanoic acid (PFHpA)	--	100	2.0 U	1.6 U	0.93 J	1.7 J	0.83 J	0.51 J	0.87 J	2.1	2.0 U	1.6 U
Perfluorooctanoic acid (PFOA)	70	10*	2.0 U	1.6 U	3.86	5.5	3.64	2.3	8.72	11	2.0 U	1.6 U
Perfluorooctanesulfonic acid (PFOS)	70	10*	2.0 U	1.6 U	7.41	6.6	7.45	8.5	6.72	19	4.14	2.5
Perfluorononanoic acid (PFNA)	--	100	2.0 U	1.6 U	2.0 U	1.8 U	2.0 U	1.8 U	2.0 U	1.8 U	2.0 U	1.6 U
Perfluorobutanoic acid (PFBA)	--	100	NA	4.0 U	NA	2.7 J	NA	1.2 J	NA	1.1 J	NA	4.1 U
Perfluoropentanoic acid (PFPeA)	--	100	NA	1.6 U	NA	2.5	NA	1.1 J	NA	1.1 J	NA	1.6 U
Perfluorohexanoic acid (PFHxA)	--	100	NA	1.6 U	NA	2.2	NA	0.95 J	NA	1.9	NA	1.6 U
Perfluorodecanoic acid (PFDA)	--	100	NA	1.6 U	NA	1.8 U	NA	1.8 U	NA	1.8 U	NA	1.6 U
Perfluoroheptanesulfonic Acid (PFHpS)	--	100	NA	1.6 U	NA	1.8 U	NA	1.8 U	NA	1.8 U	NA	1.6 U
Perfluorooctanesulfonamide (PFOSA)	--	100	NA	1.6 U	NA	1.8 U	NA	0.97 J	NA	2.4	NA	1.6 U
Perfluoroundecanoic acid (PFUnA)	--	100	NA	1.6 U	NA	1.8 U	NA	1.8 U	NA	1.8 U	NA	1.6 U
Perfluorododecanoic acid (PFDoA)	--	100	NA	1.6 U	NA	1.8 U	NA	1.8 U	NA	1.8 U	NA	1.6 U
Perfluorotridecanoic acid (PFTriA)	--	100	NA	1.6 U	NA	1.8 U	NA	1.8 U	NA	1.8 U	NA	1.6 U
Perfluorotetradecanoic acid (PFTeA)	--	100	NA	1.6 U	NA	1.8 U	NA	1.8 U	NA	1.8 U	NA	1.6 U
Perfluorodecanesulfonic acid (PFDS)	--	100	NA	1.6 U	NA	1.8 U	NA	1.8 U	NA	1.8 U	NA	1.6 U
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	--	100	NA	4.0 U	NA	4.5 U	NA	4.6 U	NA	4.4 U	NA	4.1 U
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	--	100	NA	4.0 U	NA	4.5 U	NA	4.6 U	NA	1.1 J	NA	4.1 U
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	--	100	NA	4.0 U	NA	4.5 U	NA	4.6 U	NA	4.4 U	NA	4.1 U
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	--	100	NA	1.6 U	NA	1.8 U	NA	1.8 U	NA	1.8 U	NA	1.6 U
Total PFOA + PFOS	70	--	ND	ND	11.27	12.10	11.09	10.80	15.44	30.0	4.14	2.50
Total PFAS	--	500	ND	ND	14.32	26.40	17.61	24.03	16.31	40.8	4.14	2.50
1,4-Dioxane (ug/L)	--	1.0*	0.4 U	0.19 U	0.4 U	0.19 U	0.38 J	0.17 J	0.4 U	0.19 U	0.4 U	0.19 U

Definitions:

µg/L - micrograms per liter

ng/L - nanograms per liter or parts per trillion

E - Results exceeded calibration range.

J - Compound detected below the reporting limit or concentration is estimated for TICS.

U - The compound was not detected at the indicated concentration.

NA - Not analyzed.

NYSDEC - New York State Department of Environmental Conservation

Notes:

1. Concentrations detected above the NYSDEC Class GA Standard are highlighted in yellow.

2. The current USEPA Public Health Advisory for PFOA/PFOS in drinking water is 70 ng/L.

3. TW-X is a duplicate sample collected at TW-15.

TABLE 4-3
SUMMARY OF GROUNDWATER DETECTIONS (PFAS/1,4-DIOXANE)
GLADDING CORDAGE
SOUTH OTSELIC, NEW YORK
NYSDEC Site No. 7-09-009

Sample ID Sample Date	USEPA LIFETIME HEALTH ADVISORY	NYSDEC GUIDANCE VALUE	TW-6I		TW-6D		TW-7S		TW-7I		TW-7D	
			10/24/2017	10/12/2020	10/24/2017	10/12/2020	10/24/2017	10/12/2020	10/24/2017	10/12/2020	10/24/2017	10/12/2020
Perfluorinated Alkyl Substances (ng/L)												
Perfluorobutanesulfonic acid (PFBS)	--	100	2.0 U	1.6 U	2.0 U	1.6 U	2.0 U	1.8 U	2.0 U	1.8 U	2.0 U	1.8 U
Perfluorohexanesulfonic acid (PFHxS)	--	100	2.0 U	1.6 U	2.0 U	0.64 J	2.0 U	1.8 U	2.0 U	1.8 U	2.0 U	1.8 U
Perfluoroheptanoic acid (PFHpA)	--	100	2.0 U	1.6 U	2.0 U	0.38 J	2.0 U	1.8 U	2.0 U	1.8 U	2.0 U	1.8 U
Perfluorooctanoic acid (PFOA)	70	10*	1.48 J	1.6 U	2.0 U	1.7	2.0 U	1.8 U	2.0 U	1.8 U	2.0 U	1.8 U
Perfluorooctanesulfonic acid (PFOS)	70	10*	2.76	0.89 J	3.25	9.2	1.67 J	1.8 U	2.22	1.8 U	2.03	1.8 U
Perfluorononanoic acid (PFNA)	--	100	2.0 U	1.6 U	2.0 U	1.6 U	2.0 U	1.8 U	2.0 U	1.8 U	2.0 U	1.8 U
Perfluorobutanoic acid (PFBA)	--	100	NA	4.0 U	NA	4.1 U	NA	4.5 U	NA	4.6 U	NA	4.4 U
Perfluoropentanoic acid (PFPeA)	--	100	NA	1.6 U	NA	1.6 U	NA	1.8 U	NA	1.8 U	NA	1.8 U
Perfluorohexanoic acid (PFHxA)	--	100	NA	1.6 U	NA	1.6 U	NA	1.8 U	NA	1.8 U	NA	1.8 U
Perfluorodecanoic acid (PFDA)	--	100	NA	1.6 U	NA	1.6 U	NA	1.8 U	NA	1.8 U	NA	1.8 U
Perfluoroheptanesulfonic Acid (PFHpS)	--	100	NA	1.6 U	NA	1.6 U	NA	1.8 U	NA	1.8 U	NA	1.8 U
Perfluorooctanesulfonamide (PFOSA)	--	100	NA	1.6 U	NA	2.6	NA	1.8 U	NA	1.8 U	NA	1.8 U
Perfluoroundecanoic acid (PFUnA)	--	100	NA	1.6 U	NA	1.6 U	NA	1.8 U	NA	1.8 U	NA	1.8 U
Perfluorododecanoic acid (PFDoA)	--	100	NA	1.6 U	NA	1.6 U	NA	1.8 U	NA	1.8 U	NA	1.8 U
Perfluorotridecanoic acid (PFTriA)	--	100	NA	1.6 U	NA	1.6 U	NA	1.8 U	NA	1.8 U	NA	1.8 U
Perfluorotetradecanoic acid (PFTeA)	--	100	NA	1.6 U	NA	1.6 U	NA	1.8 U	NA	1.8 U	NA	1.8 U
Perfluorodecanesulfonic acid (PFDS)	--	100	NA	1.6 U	NA	1.6 U	NA	1.8 U	NA	1.8 U	NA	1.8 U
N-methylperfluorooctanesulfonamidoa cetic acid (NMeFOSAA)	--	100	NA	4.0 U	NA	4.1 U	NA	4.5 U	NA	4.6 U	NA	4.4 U
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	--	100	NA	4.0 U	NA	4.1 U	NA	4.5 U	NA	4.6 U	NA	4.4 U
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	--	100	NA	4.0 U	NA	4.1 U	NA	4.5 U	NA	4.6 U	NA	4.4 U
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	--	100	NA	1.6 U	NA	1.6 U	NA	1.8 U	NA	1.8 U	NA	1.8 U
Total PFOA + PFOS	70	--	4.24	0.89	3.25	10.90	1.67	ND	2.22	ND	2.03	ND
Total PFAS	--	500	4.24	0.89	3.25	14.52	1.67	ND	2.22	ND	2.03	ND
1,4-Dioxane (µg/L)	--	1.0*	0.4 U	0.19 U	0.4 U	0.19 U	0.4 U	0.19 U	0.4 U	0.19 U	0.4 U	0.29

Definitions:

µg/L - micrograms per liter

ng/L - nanograms per liter or parts per trillion

E - Results exceeded calibration range.

J - Compound detected below the reporting limit or concentration is estimated for TICS.

U - The compound was not detected at the indicated concentration.

NA - Not analyzed.

NYSDEC - New York State Department of Environmental Conservation

Notes:

1. Concentrations detected above the NYSDEC Class GA Standard are highlighted in yellow.

2. The current USEPA Public Health Advisory for PFOA/PFOS in drinking water is 70 ng/L.

3. TW-X is a duplicate sample collected at TW-15.

TABLE 4-3
SUMMARY OF GROUNDWATER DETECTIONS (PFAS/1,4-DIOXANE)
GLADDING CORDAGE
SOUTH OTSELIC, NEW YORK
NYSDEC Site No. 7-09-009

Sample ID Sample Date	USEPA LIFETIME HEALTH ADVISORY	NYSDEC GUIDANCE VALUE	TW-9I		TW-9D		TW-10D	TW-12I		TW-12D	
			10/24/2017	10/13/2020	10/24/2017	10/13/2020	10/12/2020	10/24/2017	10/12/2020	10/24/2017	10/12/2020
Perfluorinated Alkyl Substances (ng/L)											
Perfluorobutanesulfonic acid (PFBS)	--	100	0.95 J	0.79 J	2.0 U	0.71 J	0.51 J	2.0 U	1.6 U	2.0 U	1.7 U
Perfluorohexanesulfonic acid (PFHxS)	--	100	2.57	1.6 J	2.94	2.1	3.0	2.0 U	1.6 U	2.0 U	1.7 U
Perfluoroheptanoic acid (PFHpA)	--	100	5.88	3.4	2.4	2.4	2.0	2.0 U	1.6 U	2.0 U	1.7 U
Perfluorooctanoic acid (PFOA)	70	10*	30.1	12	13.7	17	12	2.0 U	1.6 U	2.0 U	1.7 U
Perfluorooctanesulfonic acid (PFOS)	70	10*	28.3	22	32.1	44	39	2.0 U	1.6	2.0 U	1.7 U
Perfluorononanoic acid (PFNA)	--	100	2.0 U	1.7 U	2.0 U	1.6 U	0.53 J	2.0 U	1.6 U	2.0 U	1.7 U
Perfluorobutanoic acid (PFBA)	--	100	NA	1.2 J	NA	1.0 J	3.1 J	NA	4.0 U	NA	4.2 U
Perfluoropentanoic acid (PFPeA)	--	100	NA	1.5 J	NA	1.2 J	1.5 J	NA	1.6 U	NA	1.7 U
Perfluorohexanoic acid (PFHxA)	--	100	NA	2.5	NA	2.2	2.2	NA	1.6 U	NA	1.7 U
Perfluorodecanoic acid (PFDA)	--	100	NA	1.7 U	NA	1.6 U	0.38 J	NA	1.6 U	NA	1.7 U
Perfluoroheptanesulfonic Acid (PFHpS)	--	100	NA	0.48 J	NA	0.76 J	0.98 J	NA	1.6 U	NA	1.7 U
Perfluorooctanesulfonamide (PFOSA)	--	100	NA	1.7 U	NA	4.8	0.6 J	NA	1.6 U	NA	1.7 U
Perfluoroundecanoic acid (PFUnA)	--	100	NA	1.7 U	NA	1.6 U	1.6 U	NA	1.6 U	NA	1.7 U
Perfluorododecanoic acid (PFDoA)	--	100	NA	1.7 U	NA	1.6 U	1.6 U	NA	1.6 U	NA	1.7 U
Perfluorotridecanoic acid (PFTriA)	--	100	NA	1.7 U	NA	1.6 U	1.6 U	NA	1.6 U	NA	1.7 U
Perfluorotetradecanoic acid (PFTeA)	--	100	NA	1.7 U	NA	1.6 U	1.6 U	NA	1.6 U	NA	1.7 U
Perfluorodecanesulfonic acid (PFDS)	--	100	NA	1.7 U	NA	1.6 U	1.6 U	NA	1.6 U	NA	1.7 U
N-methylperfluorooctanesulfonamidoa cetic acid (NMeFOSAA)	--	100	NA	4.1 U	NA	4.0 U	4.1 U	NA	4.0 U	NA	4.2 U
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	--	100	NA	4.1 U	NA	4.0 U	4.1 U	NA	4.0 U	NA	4.2 U
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	--	100	NA	4.1 U	NA	4.0 U	4.1 U	NA	4.0 U	NA	4.2 U
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	--	100	NA	1.7 U	NA	1.6 U	1.6 U	NA	1.6 U	NA	1.7 U
Total PFOA + PFOS	70	--	58.40	34.00	45.80	61.00	51.00	ND	1.60	ND	ND
Total PFAS	--	500	67.80	45.47	51.14	76.17	65.80	ND	1.60	ND	ND
1,4-Dioxane (µg/L)	--	1.0*	0.4 U	0.19 U	0.4 U	0.19 U	0.1 J	0.4 U	0.19 U	0.57	0.44

Definitions:

µg/L - micrograms per liter

ng/L - nanograms per liter or parts per trillion

E - Results exceeded calibration range.

J - Compound detected below the reporting limit or concentration is estimated for TICS.

U - The compound was not detected at the indicated concentration.

NA - Not analyzed.

NYSDEC - New York State Department of Environmental Conservation

Notes:

1. Concentrations detected above the NYSDEC Class GA Standard are highlighted in yellow.

2. The current USEPA Public Health Advisory for PFOA/PFOS in drinking water is 70 ng/L.

3. TW-X is a duplicate sample collected at TW-15.

TABLE 4-3
SUMMARY OF GROUNDWATER DETECTIONS (PFAS/1,4-DIOXANE)
GLADDING CORDAGE
SOUTH OTSELIC, NEW YORK
NYSDEC Site No. 7-09-009

Sample ID Sample Date	USEPA LIFETIME HEALTH ADVISORY	NYSDEC GUIDANCE VALUE	TW-14S		TW-14I		TW-14D		TW-15		TW-X-DUP
			10/25/2017	10/14/2020	10/25/2017	10/13/2020	10/25/2017	10/14/2020	10/25/2017	10/13/2020	10/13/2020
Perfluorinated Alkyl Substances (ng/L)											
Perfluorobutanesulfonic acid (PFBS)	--	100	2.8	1.8	2.0 U	1.6 U	2.0 U	1.6 U	2.0 U	1.8 U	1.8 U
Perfluorohexanesulfonic acid (PFHxS)	--	100	2.0 U	1.6 U	2.0 U	1.6 U	2.0 U	1.6 U	2.0 U	1.8 U	1.8 U
Perfluoroheptanoic acid (PFHpA)	--	100	2.0 U	1.6 U	2.0 U	1.6 U	2.0 U	1.6 U	2.0 U	0.5 J	0.46 J
Perfluorooctanoic acid (PFOA)	70	10*	2.0 U	1.3 J	2.0 U	1.6 U	2.0 U	1.6 U	10.2	1.8 U	1.8 U
Perfluorooctanesulfonic acid (PFOS)	70	10*	3.94	2.5	2.0 U	1.6 U	2.0 U	1.6 U	2.0 U	1.8	1.7 J
Perfluorononanoic acid (PFNA)	--	100	2.0 U	1.6 U	2.0 U	1.6 U	2.0 U	1.6 U	2.0 U	1.8 U	1.8 U
Perfluorobutanoic acid (PFBA)	--	100	NA	4.1 U	NA	4.0 U	NA	4.1 U	NA	4.6 U	4.5 U
Perfluoropentanoic acid (PFPeA)	--	100	NA	1.6 U	NA	1.6 U	NA	1.6 U	NA	1.3 J	1.3 J
Perfluorohexanoic acid (PFHxA)	--	100	NA	1.6 U	NA	1.6 U	NA	1.6 U	NA	1.5 J	1.5 J
Perfluorodecanoic acid (PFDA)	--	100	NA	1.6 U	NA	1.6 U	NA	1.6 U	NA	1.8 U	1.8 U
Perfluoroheptanesulfonic Acid (PFHpS)	--	100	NA	1.6 U	NA	1.6 U	NA	1.6 U	NA	1.8 U	1.8 U
Perfluorooctanesulfonamide (PFOSA)	--	100	NA	1.6 U	NA	1.6 U	NA	1.6 U	NA	1.8 U	1.8 U
Perfluoroundecanoic acid (PFUnA)	--	100	NA	1.6 U	NA	1.6 U	NA	1.6 U	NA	1.8 U	1.8 U
Perfluorododecanoic acid (PFDoA)	--	100	NA	1.6 U	NA	1.6 U	NA	1.6 U	NA	1.8 U	1.8 U
Perfluorotridecanoic acid (PFTriA)	--	100	NA	1.6 U	NA	1.6 U	NA	1.6 U	NA	1.8 U	1.8 U
Perfluorotetradecanoic acid (PFTeA)	--	100	NA	1.6 U	NA	1.6 U	NA	1.6 U	NA	1.8 U	1.8 U
Perfluorodecanesulfonic acid (PFDS)	--	100	NA	1.6 U	NA	1.6 U	NA	1.6 U	NA	1.8 U	1.8 U
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	--	100	NA	4.1 U	NA	4.0 U	NA	4.1 U	NA	4.6 U	4.5 U
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	--	100	NA	4.1 U	NA	4.0 U	NA	4.1 U	NA	4.6 U	4.5 U
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	--	100	NA	4.1 U	NA	4.0 U	NA	4.1 U	NA	4.6 U	4.5 U
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	--	100	NA	1.6 U	NA	1.6 U	NA	1.6 U	NA	1.8 U	1.8 U
Total PFOA + PFOS	70	--	3.94	2.50	ND	ND	ND	ND	10.20	1.80	1.70
Total PFAS	--	500	6.74	5.60	ND	ND	ND	ND	10.20	5.10	4.96
1,4-Dioxane (µg/L)	--	1.0*	0.4 U	0.17 J	0.48	0.28	0.4 U	0.19 U	3.2	1.6 E	1.6 E

Definitions:

µg/L - micrograms per liter

ng/L - nanograms per liter or parts per trillion

E - Results exceeded calibration range.

J - Compound detected below the reporting limit or concentration is estimated for TICS.

U - The compound was not detected at the indicated concentration.

NA - Not analyzed.

NYSDEC - New York State Department of Environmental Conservation

Notes:

1. Concentrations detected above the NYSDEC Class GA Standard are highlighted in yellow.

2. The current USEPA Public Health Advisory for PFOA/PFOS in drinking water is 70 ng/L.

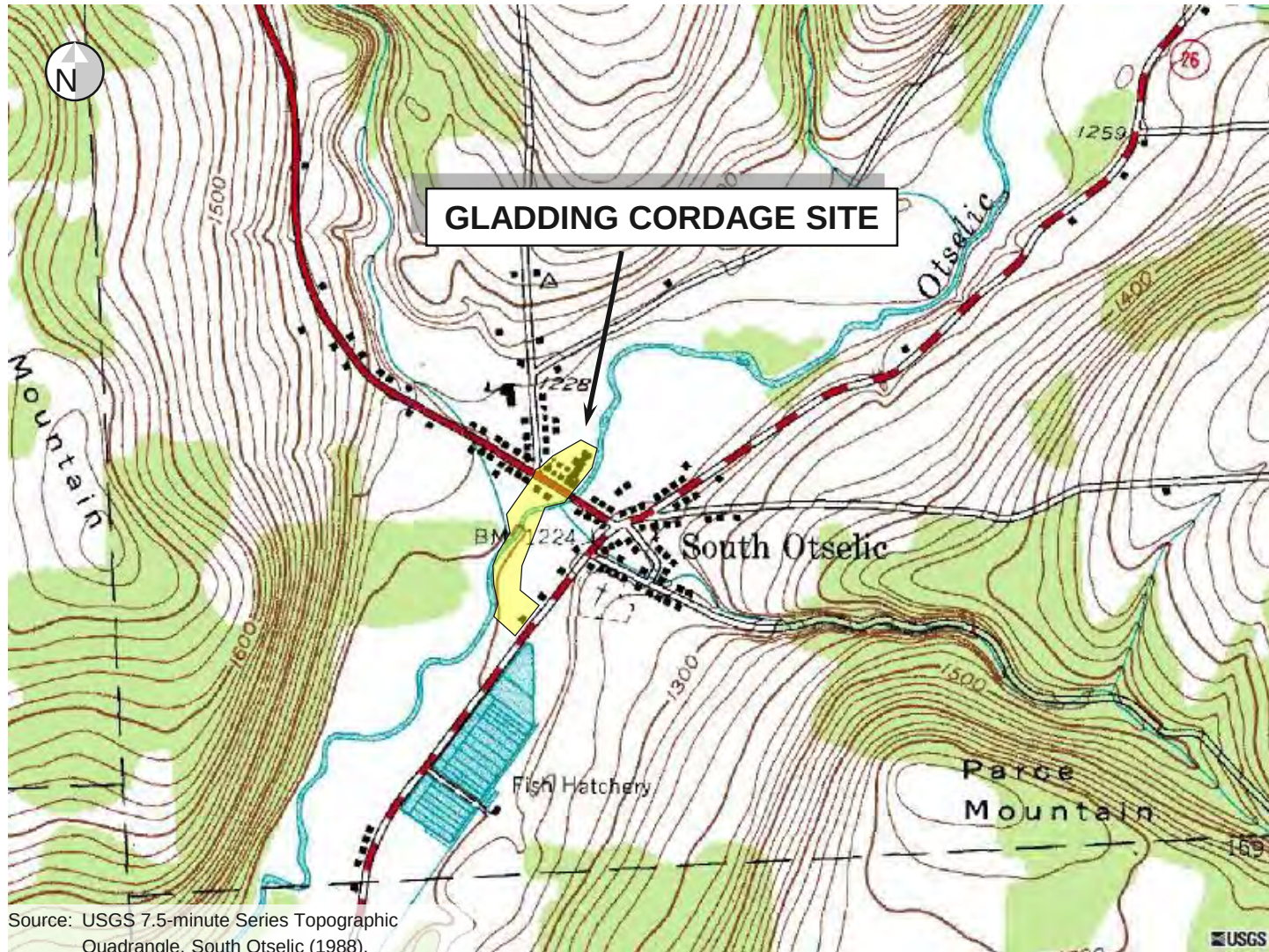
3. TW-X is a duplicate sample collected at TW-15.

FIGURES



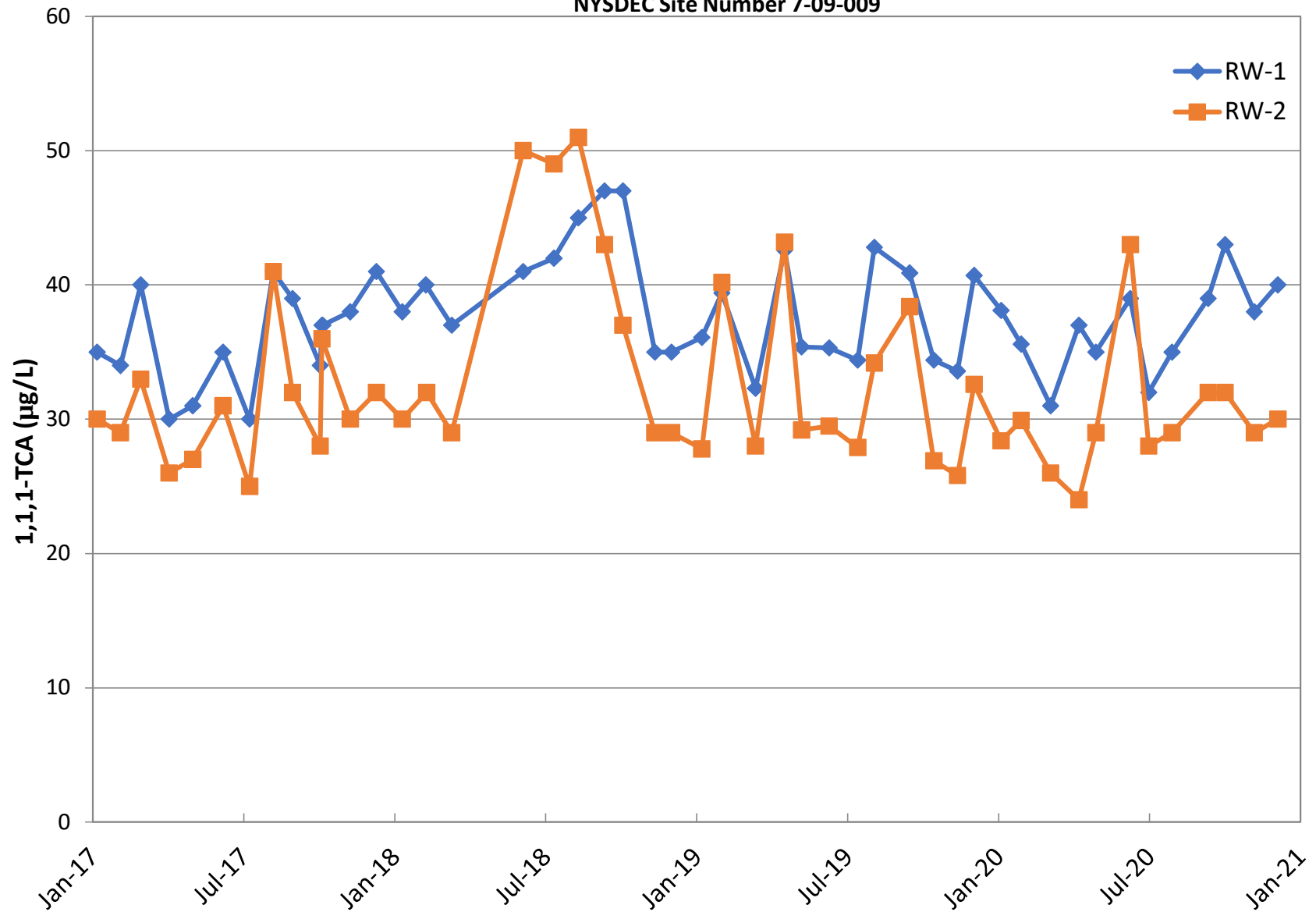
Figure 2-1
Site Location

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

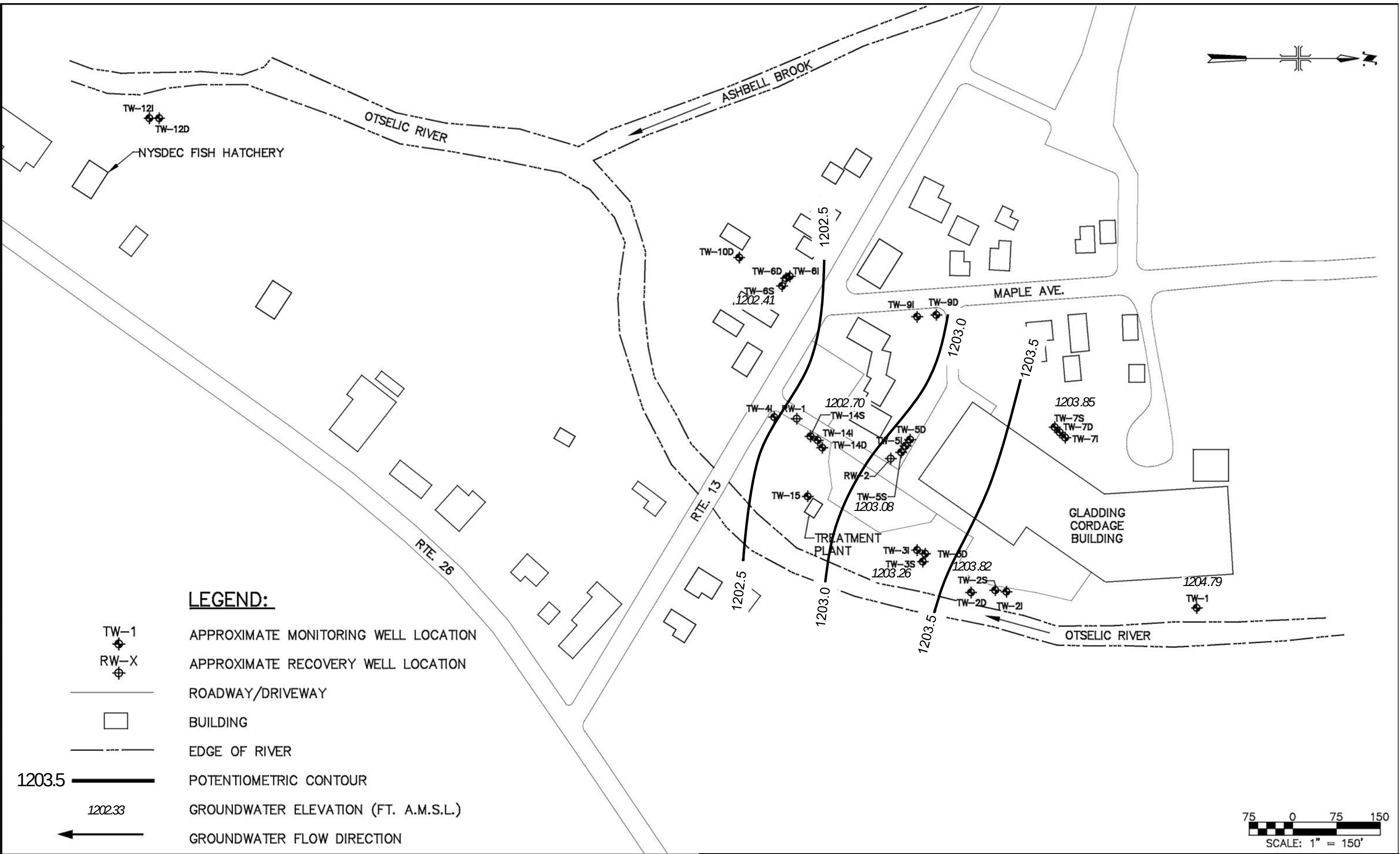


0 2,000 ft

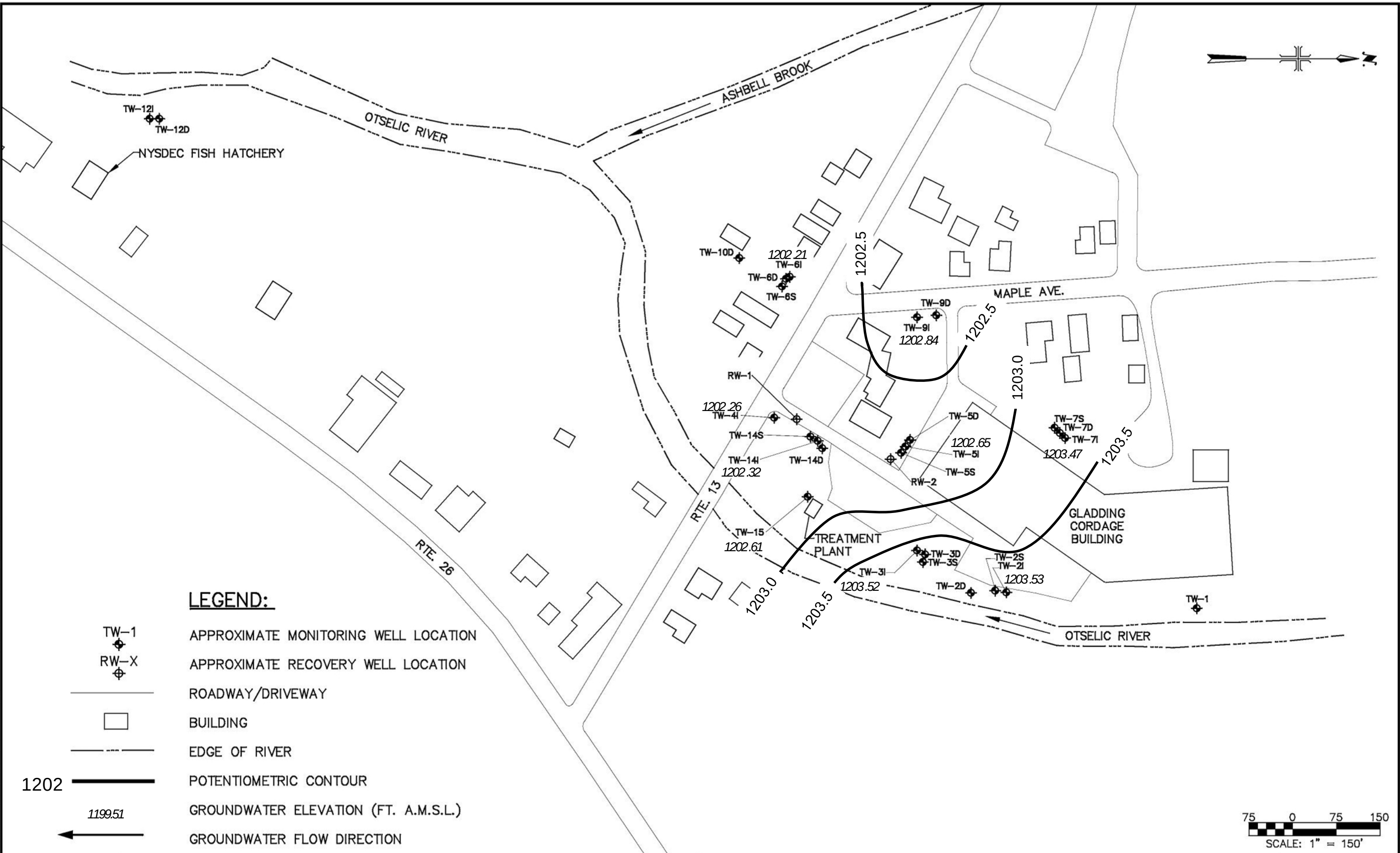
Figure 3-1
Treatment System Influent Sample Concentrations (1,1,1-TCA)
Gladding Cordage Site
NYSDEC Site Number 7-09-009



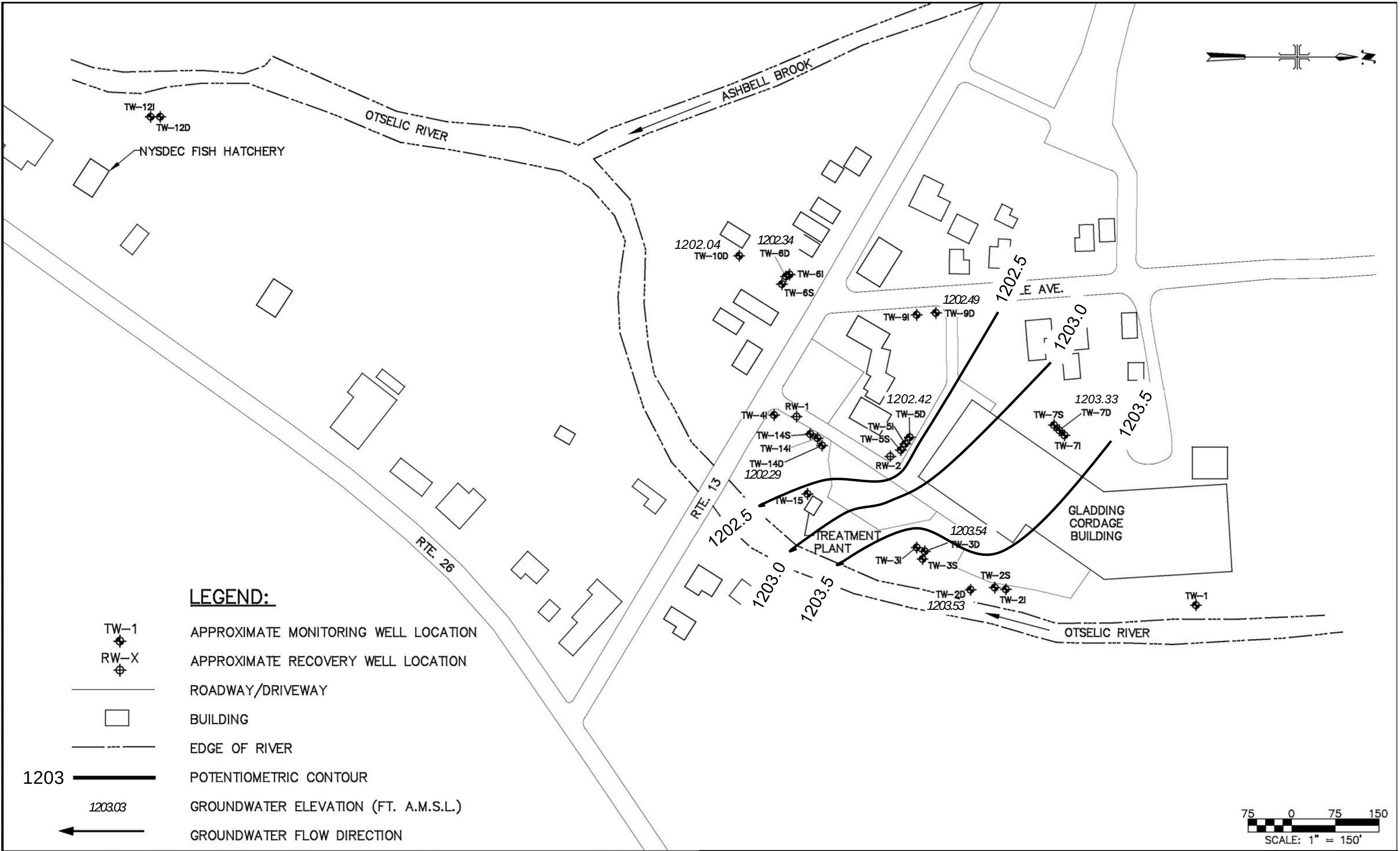
USER: J\MULLINS FILENAME: G:\ACAD\PROJ\00266406.0000\FIGURES\2019\FIGURE 4-2 SHALLOW POT 3-12-19.DWG SAVE DATE: 5/15/2019 5:40 PM PLOT DATE: 5/15/2019 5:41 PM



USER: JMUILLINS FILENAME: G:\ACAD\PROJ\00266406.0000\FIGURES\2019\FIGURE 4-3 INTERMEDIATE POT 3-12-19.DWG SAVE DATE: 4/22/2019 11:48 AM PLOT DATE: 4/22/2019 11:50 AM



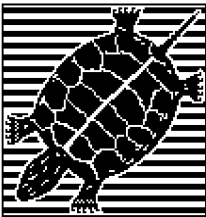
USER: J\MULLINS FILENAME: G:\ACAD\PROJ\00266406.0000\FIGURES\2019\FIGURE 4-4 DEEP POT 3-12-19.DWG SAVE DATE: 5/15/2019 6:38 PM PLOT DATE: 5/15/2019 6:38 PM



APPENDIX A

PLC Facsimile Reports





ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 10/01/2000
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P36 : LAST SHUTDOWN @ 12:24:06 ON 06/25/2000 BY KEYPAD

Discrete Inputs:

W1_CTR is ON	W2_CTR is ON	ASBVFD is ON	SMPCTR is OFF
HP_OP is OFF	ASP_HH is OFF	ASP_LO is OFF	FLRSMP is OFF
ACFAIL is OFF	E_STOP is OFF		

Discrete Outputs:

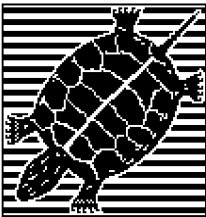
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 18.0	GPM TOTAL FLOW is 75910396	GAL	
W2_FLO is 21.8	GPM TOTAL FLOW is 82988410	GAL	
ASBPRS is 10.3	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 872276	GAL	
HP_PRS is 1.9	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.09	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.66	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.55	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 25.19	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 53.99	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.1	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.2	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTMP is 69.0	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 10/02/2000
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P36 : LAST SHUTDOWN @ 12:24:06 ON 06/25/2000 BY KEYPAD

Discrete Inputs:

W1_CTR is ON	W2_CTR is ON	ASBVFD is ON	SMPCTR is OFF
HP_OP is OFF	ASP_HH is OFF	ASP_LO is OFF	FLRSMP is OFF
ACFAIL is OFF	E_STOP is OFF		

Discrete Outputs:

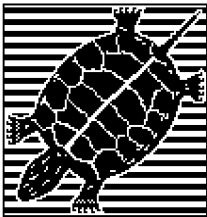
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 18.3	GPM	TOTAL FLOW is 75936255	GAL		
W2_FLO is 21.9	GPM	TOTAL FLOW is 83019601	GAL		
ASBPRS is 10.3	IWC	LIMITS are L: 5.0	IWC	H: 30.0	IWC
HP_FLO is 0.00	GPM	TOTAL FLOW is 872422	GAL		
HP_PRS is 1.9	PSI	LIMITS are L: -2.0	PSI	H: 20.0	PSI
HP_AMP is 0.09	AMP	LIMITS are L: 0.00	AMP	H:	AMP
W1_AMP is 4.45	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W2_AMP is 4.33	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W1_LVL is 25.10	FT	LIMITS are L: 8.00	FT	H: 28.00	FT
W2_LVL is 53.76	FT	LIMITS are L: 9.00	FT	H: 52.00	FT
W1_PRS is 4.1	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
W2_PRS is 4.2	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
INTEMP is 67.5	DEG	LIMITS are L: 42.0	DEG	H: 130.0	DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 10/03/2000
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P36 : LAST SHUTDOWN @ 12:24:06 ON 06/25/2000 BY KEYPAD

Discrete Inputs:

W1_CTR is ON	W2_CTR is ON	ASBVFD is ON	SMPCTR is OFF
HP_OP is OFF	ASP_HH is OFF	ASP_LO is OFF	FLRSMP is OFF
ACFAIL is OFF	E_STOP is OFF		

Discrete Outputs:

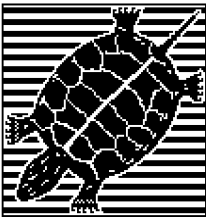
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 18.0	GPM TOTAL FLOW is 75962119	GAL	
W2_FLO is 22.0	GPM TOTAL FLOW is 83050793	GAL	
ASBPRS is 10.4	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 872523	GAL	
HP_PRS is 1.9	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.09	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.69	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.58	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 25.36	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 53.67	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.1	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.3	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTMP is 67.6	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 10/04/2000
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P36 : LAST SHUTDOWN @ 12:24:06 ON 06/25/2000 BY KEYPAD

Discrete Inputs:

W1_CTR is ON	W2_CTR is ON	ASBVFD is ON	SMPCTR is OFF
HP_OP is OFF	ASP_HH is OFF	ASP_LO is OFF	FLRSMP is OFF
ACFAIL is OFF	E_STOP is OFF		

Discrete Outputs:

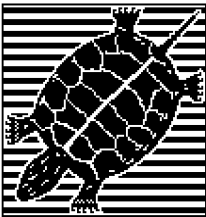
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 17.9	GPM TOTAL FLOW is 75987976	GAL	
W2_FLO is 21.8	GPM TOTAL FLOW is 83082004	GAL	
ASBPRS is 10.6	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 872564	GAL	
HP_PRS is 2.0	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.09	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.65	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.54	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 25.26	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 53.57	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.1	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.3	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTMP is 64.3	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 10/05/2000
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P36 : LAST SHUTDOWN @ 12:24:06 ON 06/25/2000 BY KEYPAD

Discrete Inputs:

W1_CTR is ON	W2_CTR is ON	ASBVFD is ON	SMPCTR is OFF
HP_OP is OFF	ASP_HH is OFF	ASP_LO is OFF	FLRSMP is OFF
ACFAIL is OFF	E_STOP is OFF		

Discrete Outputs:

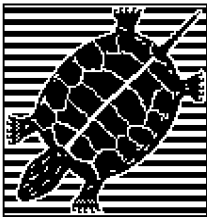
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 17.6	GPM TOTAL FLOW is 76013793	GAL	
W2_FLO is 21.4	GPM TOTAL FLOW is 83113202	GAL	
ASBPRS is 10.3	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 872579	GAL	
HP_PRS is 2.0	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.09	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.62	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.50	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 25.13	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 53.46	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.1	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.3	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTEMP is 66.5	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 10/06/2000
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P36 : LAST SHUTDOWN @ 12:24:06 ON 06/25/2000 BY KEYPAD

Discrete Inputs:

W1_CTR is ON	W2_CTR is ON	ASBVFD is ON	SMPCTR is OFF
HP_OP is OFF	ASP_HH is OFF	ASP_LO is OFF	FLRSMP is OFF
ACFAIL is OFF	E_STOP is OFF		

Discrete Outputs:

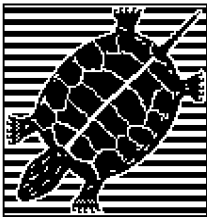
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 17.9	GPM TOTAL FLOW is 76039577	GAL	
W2_FLO is 21.8	GPM TOTAL FLOW is 83144370	GAL	
ASBPRS is 10.6	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 872643	GAL	
HP_PRS is 2.1	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.09	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.44	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.32	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 25.23	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 53.40	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.1	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.3	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTMP is 64.5	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 10/07/2000
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO : LAST SHUTDOWN @ 11:41:30 ON 10/06/2000 BY KEYPAD

Discrete Inputs:

W1_CTR is ON	W2_CTR is ON	ASBVFD is ON	SMPCTR is OFF
HP_OP is OFF	ASP_HH is OFF	ASP_LO is OFF	FLRSMP is OFF
ACFAIL is OFF	E_STOP is OFF		

Discrete Outputs:

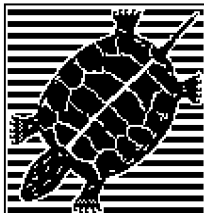
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 14.7	GPM	TOTAL FLOW is 76061597	GAL		
W2_FLO is 21.7	GPM	TOTAL FLOW is 83175130	GAL		
ASBPRS is 10.3	IWC	LIMITS are L: 5.0	IWC	H: 30.0	IWC
HP_FLO is 0.00	GPM	TOTAL FLOW is 872796	GAL		
HP_PRS is 1.9	PSI	LIMITS are L: -2.0	PSI	H: 20.0	PSI
HP_AMP is 0.09	AMP	LIMITS are L: 0.00	AMP	H:	AMP
W1_AMP is 4.45	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W2_AMP is 4.52	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W1_LVL is 25.13	FT	LIMITS are L: 8.00	FT	H: 28.00	FT
W2_LVL is 53.40	FT	LIMITS are L: 9.00	FT	H: 52.00	FT
W1_PRS is 4.0	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
W2_PRS is 4.2	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
INTEMP is 66.9	DEG	LIMITS are L: 42.0	DEG	H: 130.0	DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ALARM Fax Report

EOS Research Ltd.

ProControl Series II+

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 11:14:46 ON 10/08/2000
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P36 : LAST SHUTDOWN @ 11:41:30 ON 10/06/2000 BY KEYPAD
FAX REPORT INITIATED BY KEYPAD

Discrete Inputs:

W1_CTR is ON	W2_CTR is ON	ASBVFD is ON	SMPCTR is OFF
HP_OP is OFF	ASP_HH is OFF	ASP_LO is OFF	FLRSMP is OFF
ACFAIL is OFF	E_STOP is OFF		

Discrete Outputs:

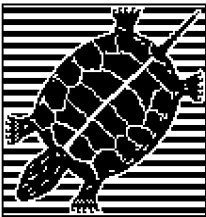
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMGO is ON	

Analog Inputs:

W1_FLO is 14.5	GPM	TOTAL FLOW is 76069900	GAL		
W2_FLO is 22.1	GPM	TOTAL FLOW is 83187130	GAL		
ASBPRS is 10.3	IWC	LIMITS are L: 5.0	IWC	H: 30.0	IWC
HP_FLO is 0.00	GPM	TOTAL FLOW is 872811	GAL		
HP_PRS is 1.7	PSI	LIMITS are L: -2.0	PSI	H: 20.0	PSI
HP_AMP is 0.09	AMP	LIMITS are L: 0.00	AMP	H:	AMP
W1_AMP is 4.27	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W2_AMP is 4.36	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W1_LVL is 25.05	FT	LIMITS are L: 8.00	FT	H: 28.00	FT
W2_LVL is 53.57	FT	LIMITS are L: 9.00	FT	H: 52.00	FT
W1_PRS is 4.0	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
W2_PRS is 4.1	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
INTEMP is 71.2	DEG	LIMITS are L: 42.0	DEG	H: 130.0	DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 10/09/2000
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P36 : LAST SHUTDOWN @ 11:41:30 ON 10/06/2000 BY KEYPAD

Discrete Inputs:

W1_CTR is ON	W2_CTR is ON	ASBVFD is ON	SMPCTR is OFF
HP_OP is OFF	ASP_HH is OFF	ASP_LO is OFF	FLRSMP is OFF
ACFAIL is OFF	E_STOP is OFF		

Discrete Outputs:

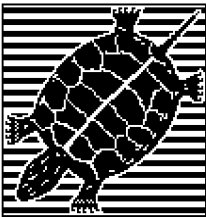
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 14.3	GPM TOTAL FLOW is 76086591	GAL	
W2_FLO is 21.5	GPM TOTAL FLOW is 83211413	GAL	
ASBPRS is 10.5	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 872849	GAL	
HP_PRS is 1.8	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.09	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.25	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.35	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 25.45	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 53.65	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.0	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.2	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTMP is 64.3	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 10/10/2000
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P36 : LAST SHUTDOWN @ 11:41:30 ON 10/06/2000 BY KEYPAD

Discrete Inputs:

W1_CTR is ON	W2_CTR is ON	ASBVFD is ON	SMPCTR is OFF
HP_OP is OFF	ASP_HH is OFF	ASP_LO is OFF	FLRSMP is OFF
ACFAIL is OFF	E_STOP is OFF		

Discrete Outputs:

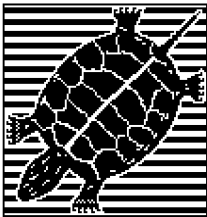
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 14.6	GPM TOTAL FLOW is 76107621	GAL	
W2_FLO is 21.3	GPM TOTAL FLOW is 83242398	GAL	
ASBPRS is 10.3	IWC LIMITS are L: 5.0	IWC H: 30.0	IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 872973	GAL	
HP_PRS is 1.8	PSI LIMITS are L: -2.0	PSI H: 20.0	PSI
HP_AMP is 0.09	AMP LIMITS are L: 0.00	AMP H:	AMP
W1_AMP is 4.30	AMP LIMITS are L: 0.00	AMP H: 10.00	AMP
W2_AMP is 4.41	AMP LIMITS are L: 0.00	AMP H: 10.00	AMP
W1_LVL is 25.41	FT LIMITS are L: 8.00	FT H: 28.00	FT
W2_LVL is 53.44	FT LIMITS are L: 9.00	FT H: 52.00	FT
W1_PRS is 3.9	PSI LIMITS are L: 0.5	PSI H: 100.0	PSI
W2_PRS is 4.2	PSI LIMITS are L: 0.5	PSI H: 100.0	PSI
INTMP is 67.2	DEG LIMITS are L: 42.0	DEG H: 130.0	DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 10/11/2000
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P36 : LAST SHUTDOWN @ 11:41:30 ON 10/06/2000 BY KEYPAD

Discrete Inputs:

W1_CTR is ON	W2_CTR is ON	ASBVFD is ON	SMPCTR is OFF
HP_OP is OFF	ASP_HH is OFF	ASP_LO is OFF	FLRSMP is OFF
ACFAIL is OFF	E_STOP is OFF		

Discrete Outputs:

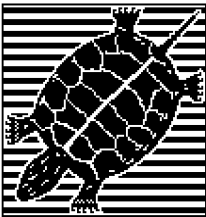
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 14.4	GPM TOTAL FLOW is 76128619	GAL	
W2_FLO is 21.4	GPM TOTAL FLOW is 83273381	GAL	
ASBPRS is 10.3	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 873547	GAL	
HP_PRS is 1.8	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.09	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.40	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.48	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 25.95	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 53.63	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 3.9	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.1	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTMP is 67.4	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 10/12/2000
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 11:41:30 ON 10/06/2000 BY KEYPAD

Discrete Inputs:

W1_CTR is OFF	W2_CTR is OFF	ASBVFD is OFF	SMPCTR is OFF
HP_OP is OFF	ASP_HH is OFF	ASP_LO is OFF	FLRSMP is OFF
ACFAIL is OFF	E_STOP is OFF		

Discrete Outputs:

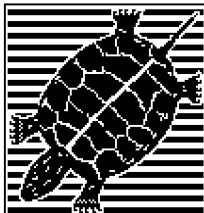
W1_GO is OFF	W2_GO is OFF	ASB_GO is OFF	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is OFF	

Analog Inputs:

W1_FLO is 0.0	GPM TOTAL FLOW is 76135439	GAL	
W2_FLO is 0.0	GPM TOTAL FLOW is 83283452	GAL	
ASBPRS is 0.3	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 873572	GAL	
HP_PRS is 1.8	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.81	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 0.01	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 0.00	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 27.22	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 55.20	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 0.0	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 0.0	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTMP is 77.1	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ALARM Fax Report

EOS Research Ltd.

ProControl Series II+

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 11:26:26 ON 10/14/2000
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P15 : LAST SHUTDOWN @ 11:41:30 ON 10/06/2000 BY KEYPAD
FAX REPORT INITIATED BY PROCESS 15

Discrete Inputs:

W1_CTR is ON	W2_CTR is ON	ASBVFD is ON	SMPCTR is OFF
HP_OP is OFF	ASP_HH is OFF	ASP_LO is OFF	FLRSMP is ON
ACFAIL is OFF	E_STOP is OFF		

Discrete Outputs:

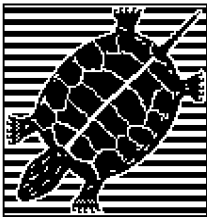
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is ON
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is ON	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMGO is ON	

Analog Inputs:

W1_FLO is 15.8	GPM	TOTAL FLOW is 76177957	GAL		
W2_FLO is 21.3	GPM	TOTAL FLOW is 83348150	GAL		
ASBPRS is 10.2	IWC	LIMITS are L: 5.0	IWC	H: 30.0	IWC
HP_FLO is 0.00	GPM	TOTAL FLOW is 873828	GAL		
HP_PRS is 1.9	PSI	LIMITS are L: -2.0	PSI	H: 20.0	PSI
HP_AMP is 0.04	AMP	LIMITS are L: 0.00	AMP	H:	AMP
W1_AMP is 4.43	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W2_AMP is 4.47	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W1_LVL is 25.05	FT	LIMITS are L: 8.00	FT	H: 28.00	FT
W2_LVL is 53.38	FT	LIMITS are L: 9.00	FT	H: 52.00	FT
W1_PRS is 4.0	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
W2_PRS is 4.2	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
INTEMP is 61.8	DEG	LIMITS are L: 42.0	DEG	H: 130.0	DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 10/15/2000
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO : LAST SHUTDOWN @ 11:41:30 ON 10/06/2000 BY KEYPAD

Discrete Inputs:

W1_CTR is ON	W2_CTR is ON	ASBVFD is ON	SMPCTR is OFF
HP_OP is OFF	ASP_HH is OFF	ASP_LO is OFF	FLRSMP is OFF
ACFAIL is OFF	E_STOP is OFF		

Discrete Outputs:

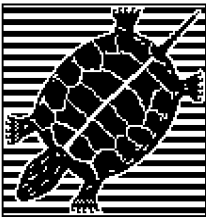
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 20.1	GPM	TOTAL FLOW is 76199890	GAL	
W2_FLO is 21.7	GPM	TOTAL FLOW is 83372270	GAL	
ASBPRS is 10.2	IWC	LIMITS are L: 5.0	IWC	H: 30.0
HP_FLO is 0.00	GPM	TOTAL FLOW is 873883	GAL	
HP_PRS is 2.1	PSI	LIMITS are L: -2.0	PSI	H: 20.0
HP_AMP is 0.09	AMP	LIMITS are L: 0.00	AMP	H:
W1_AMP is 4.60	AMP	LIMITS are L: 0.00	AMP	H: 10.00
W2_AMP is 4.43	AMP	LIMITS are L: 0.00	AMP	H: 10.00
W1_LVL is 24.55	FT	LIMITS are L: 8.00	FT	H: 28.00
W2_LVL is 53.44	FT	LIMITS are L: 9.00	FT	H: 52.00
W1_PRS is 4.2	PSI	LIMITS are L: 0.5	PSI	H: 100.0
W2_PRS is 4.3	PSI	LIMITS are L: 0.5	PSI	H: 100.0
INTMP is 68.8	DEG	LIMITS are L: 42.0	DEG	H: 130.0

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 10/16/2000
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO : LAST SHUTDOWN @ 11:41:30 ON 10/06/2000 BY KEYPAD

Discrete Inputs:

W1_CTR is ON	W2_CTR is ON	ASBVFD is ON	SMPCTR is OFF
HP_OP is OFF	ASP_HH is OFF	ASP_LO is OFF	FLRSMP is OFF
ACFAIL is OFF	E_STOP is OFF		

Discrete Outputs:

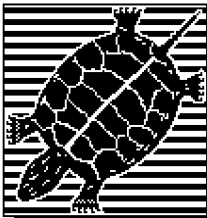
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 20.3	GPM TOTAL FLOW is 76229101	GAL	
W2_FLO is 21.7	GPM TOTAL FLOW is 83403428	GAL	
ASBPRS is 10.4	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 874317	GAL	
HP_PRS is 2.2	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.09	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.58	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.40	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 24.41	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 53.67	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.3	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.4	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTemp is 68.0	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 10/17/2000
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO : LAST SHUTDOWN @ 11:41:30 ON 10/06/2000 BY KEYPAD

Discrete Inputs:

W1_CTR is ON	W2_CTR is ON	ASBVFD is ON	SMPCTR is OFF
HP_OP is OFF	ASP_HH is OFF	ASP_LO is OFF	FLRSMP is OFF
ACFAIL is OFF	E_STOP is OFF		

Discrete Outputs:

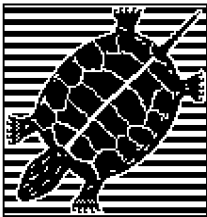
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 20.8	GPM TOTAL FLOW is 76258269	GAL	
W2_FLO is 22.0	GPM TOTAL FLOW is 83434642	GAL	
ASBPRS is 10.7	IWC LIMITS are L: 5.0	IWC H: 30.0	IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 874317	GAL	
HP_PRS is 2.2	PSI LIMITS are L: -2.0	PSI H: 20.0	PSI
HP_AMP is 0.09	AMP LIMITS are L: 0.00	AMP H:	AMP
W1_AMP is 4.66	AMP LIMITS are L: 0.00	AMP H: 10.00	AMP
W2_AMP is 4.50	AMP LIMITS are L: 0.00	AMP H: 10.00	AMP
W1_LVL is 24.84	FT LIMITS are L: 8.00	FT H: 28.00	FT
W2_LVL is 53.76	FT LIMITS are L: 9.00	FT H: 52.00	FT
W1_PRS is 4.3	PSI LIMITS are L: 0.5	PSI H: 100.0	PSI
W2_PRS is 4.4	PSI LIMITS are L: 0.5	PSI H: 100.0	PSI
INTMP is 65.0	DEG LIMITS are L: 42.0	DEG H: 130.0	DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 10/18/2000
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO : LAST SHUTDOWN @ 11:41:30 ON 10/06/2000 BY KEYPAD

Discrete Inputs:

W1_CTR is ON	W2_CTR is ON	ASBVFD is ON	SMPCTR is OFF
HP_OP is OFF	ASP_HH is OFF	ASP_LO is OFF	FLRSMP is OFF
ACFAIL is OFF	E_STOP is OFF		

Discrete Outputs:

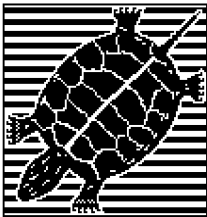
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 20.4	GPM TOTAL FLOW is 76287456	GAL	
W2_FLO is 21.5	GPM TOTAL FLOW is 83465862	GAL	
ASBPRS is 10.7	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 874341	GAL	
HP_PRS is 2.1	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.09	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.70	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.53	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 25.25	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 53.74	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.2	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.4	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTMP is 64.9	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 10/19/2000
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO : LAST SHUTDOWN @ 11:41:30 ON 10/06/2000 BY KEYPAD

Discrete Inputs:

W1_CTR is ON	W2_CTR is ON	ASBVFD is ON	SMPCTR is OFF
HP_OP is OFF	ASP_HH is OFF	ASP_LO is OFF	FLRSMP is OFF
ACFAIL is OFF	E_STOP is OFF		

Discrete Outputs:

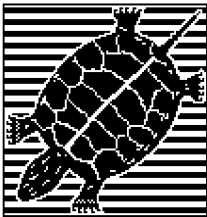
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 20.1	GPM	TOTAL FLOW is 76316604	GAL		
W2_FLO is 21.5	GPM	TOTAL FLOW is 83497029	GAL		
ASBPRS is 10.3	IWC	LIMITS are L: 5.0	IWC	H: 30.0	IWC
HP_FLO is 0.00	GPM	TOTAL FLOW is 874385	GAL		
HP_PRS is 2.2	PSI	LIMITS are L: -2.0	PSI	H: 20.0	PSI
HP_AMP is 0.09	AMP	LIMITS are L: 0.00	AMP	H:	AMP
W1_AMP is 4.65	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W2_AMP is 4.49	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W1_LVL is 24.98	FT	LIMITS are L: 8.00	FT	H: 28.00	FT
W2_LVL is 53.53	FT	LIMITS are L: 9.00	FT	H: 52.00	FT
W1_PRS is 4.3	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
W2_PRS is 4.4	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
INTEMP is 68.1	DEG	LIMITS are L: 42.0	DEG	H: 130.0	DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 10/20/2000
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO : LAST SHUTDOWN @ 11:41:30 ON 10/06/2000 BY KEYPAD

Discrete Inputs:

W1_CTR is ON	W2_CTR is ON	ASBVFD is ON	SMPCTR is OFF
HP_OP is OFF	ASP_HH is OFF	ASP_LO is OFF	FLRSMP is OFF
ACFAIL is OFF	E_STOP is OFF		

Discrete Outputs:

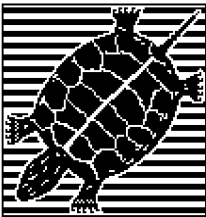
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 20.0	GPM TOTAL FLOW is 76345721	GAL	
W2_FLO is 22.1	GPM TOTAL FLOW is 83528202	GAL	
ASBPRS is 10.3	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 874626	GAL	
HP_PRS is 2.2	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.09	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.65	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.47	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 25.18	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 53.76	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.3	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.4	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTMP is 69.8	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 10/21/2000
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO : LAST SHUTDOWN @ 11:41:30 ON 10/06/2000 BY KEYPAD

Discrete Inputs:

W1_CTR is ON	W2_CTR is ON	ASBVFD is ON	SMPCTR is OFF
HP_OP is OFF	ASP_HH is OFF	ASP_LO is OFF	FLRSMP is OFF
ACFAIL is OFF	E_STOP is OFF		

Discrete Outputs:

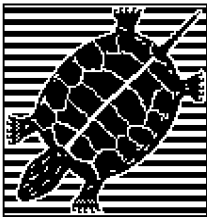
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 20.3	GPM TOTAL FLOW is 76374934	GAL	
W2_FLO is 21.6	GPM TOTAL FLOW is 83559429	GAL	
ASBPRS is 10.3	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 874814	GAL	
HP_PRS is 2.2	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.09	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.69	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.52	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 25.65	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 54.03	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.3	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.4	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTMP is 69.0	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 10/22/2000
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO : LAST SHUTDOWN @ 11:41:30 ON 10/06/2000 BY KEYPAD

Discrete Inputs:

W1_CTR is ON	W2_CTR is ON	ASBVFD is ON	SMPCTR is OFF
HP_OP is OFF	ASP_HH is OFF	ASP_LO is OFF	FLRSMP is OFF
ACFAIL is OFF	E_STOP is OFF		

Discrete Outputs:

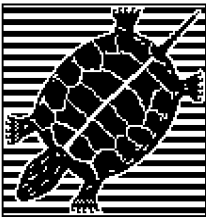
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 20.4	GPM TOTAL FLOW is 76404137	GAL	
W2_FLO is 21.7	GPM TOTAL FLOW is 83590627	GAL	
ASBPRS is 10.3	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 875368	GAL	
HP_PRS is 2.2	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.09	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.67	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.50	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 25.63	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 54.27	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.2	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.3	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTMP is 69.6	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 10/23/2000
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO : LAST SHUTDOWN @ 11:41:30 ON 10/06/2000 BY KEYPAD

Discrete Inputs:

W1_CTR is ON	W2_CTR is ON	ASBVFD is ON	SMPCTR is OFF
HP_OP is OFF	ASP_HH is OFF	ASP_LO is OFF	FLRSMP is OFF
ACFAIL is OFF	E_STOP is OFF		

Discrete Outputs:

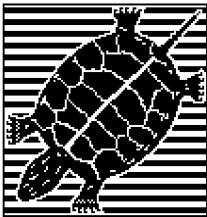
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 20.1	GPM TOTAL FLOW is 76433269	GAL	
W2_FLO is 21.6	GPM TOTAL FLOW is 83621803	GAL	
ASBPRS is 10.2	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 875867	GAL	
HP_PRS is 2.2	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.09	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.66	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.51	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 25.42	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 54.08	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.2	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.3	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTEMP is 70.2	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 10/24/2000
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO : LAST SHUTDOWN @ 11:41:30 ON 10/06/2000 BY KEYPAD

Discrete Inputs:

W1_CTR is ON	W2_CTR is ON	ASBVFD is ON	SMPCTR is OFF
HP_OP is OFF	ASP_HH is OFF	ASP_LO is OFF	FLRSMP is OFF
ACFAIL is OFF	E_STOP is OFF		

Discrete Outputs:

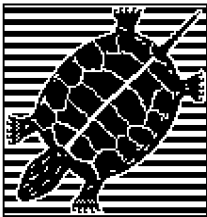
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 20.3	GPM	TOTAL FLOW is 76462340	GAL		
W2_FLO is 21.2	GPM	TOTAL FLOW is 83652928	GAL		
ASBPRS is 10.1	IWC	LIMITS are L: 5.0	IWC	H: 30.0	IWC
HP_FLO is 0.00	GPM	TOTAL FLOW is 876786	GAL		
HP_PRS is 2.2	PSI	LIMITS are L: -2.0	PSI	H: 20.0	PSI
HP_AMP is 0.09	AMP	LIMITS are L: 0.00	AMP	H:	AMP
W1_AMP is 4.72	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W2_AMP is 4.55	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W1_LVL is 24.88	FT	LIMITS are L: 8.00	FT	H: 28.00	FT
W2_LVL is 53.91	FT	LIMITS are L: 9.00	FT	H: 52.00	FT
W1_PRS is 4.2	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
W2_PRS is 4.3	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
INTEMP is 70.3	DEG	LIMITS are L: 42.0	DEG	H: 130.0	DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 10/25/2000
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO : LAST SHUTDOWN @ 11:41:30 ON 10/06/2000 BY KEYPAD

Discrete Inputs:

W1_CTR is ON	W2_CTR is ON	ASBVFD is ON	SMPCTR is OFF
HP_OP is OFF	ASP_HH is OFF	ASP_LO is OFF	FLRSMP is OFF
ACFAIL is OFF	E_STOP is OFF		

Discrete Outputs:

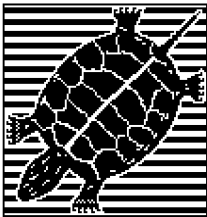
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 20.6	GPM TOTAL FLOW is 76491429	GAL	
W2_FLO is 21.7	GPM TOTAL FLOW is 83684018	GAL	
ASBPRS is 10.8	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 876832	GAL	
HP_PRS is 2.1	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.09	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.70	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.55	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 25.31	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 53.95	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.2	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.3	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTMP is 64.7	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 10/26/2000
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO : LAST SHUTDOWN @ 11:41:30 ON 10/06/2000 BY KEYPAD

Discrete Inputs:

W1_CTR is ON	W2_CTR is ON	ASBVFD is ON	SMPCTR is OFF
HP_OP is OFF	ASP_HH is OFF	ASP_LO is OFF	FLRSMP is OFF
ACFAIL is OFF	E_STOP is OFF		

Discrete Outputs:

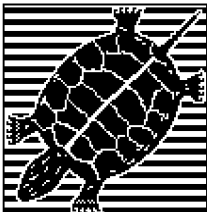
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 20.6	GPM	TOTAL FLOW is 76520524	GAL		
W2_FLO is 21.6	GPM	TOTAL FLOW is 83715109	GAL		
ASBPRS is 10.4	IWC	LIMITS are L: 5.0	IWC	H: 30.0	IWC
HP_FLO is 0.00	GPM	TOTAL FLOW is 876832	GAL		
HP_PRS is 2.2	PSI	LIMITS are L: -2.0	PSI	H: 20.0	PSI
HP_AMP is 0.09	AMP	LIMITS are L: 0.00	AMP	H:	AMP
W1_AMP is 4.62	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W2_AMP is 4.45	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W1_LVL is 25.45	FT	LIMITS are L: 8.00	FT	H: 28.00	FT
W2_LVL is 53.76	FT	LIMITS are L: 9.00	FT	H: 52.00	FT
W1_PRS is 4.3	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
W2_PRS is 4.4	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
INTEMP is 65.8	DEG	LIMITS are L: 42.0	DEG	H: 130.0	DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

EOS Research Ltd.

Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 10/27/2000
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 11:41:30 ON 10/06/2000 BY KEYPAD

Discrete Inputs:

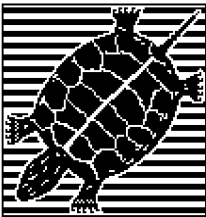
W1_CTR is OFF	W2_CTR is OFF	ASBVFD is OFF	SMPCTR is OFF
HP_OP is OFF	ASP_HH is OFF	ASP_LO is OFF	FLRSMP is OFF
ACFAIL is OFF	E_STOP is OFF		

Discrete Outputs:

W1_GO is OFF	W2_GO is OFF	ASB_GO is OFF	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPO is OFF	

Analog Inputs:

W1_FLO is 0.0	GPM TOTAL FLOW is 76533261	GAL	
W2_FLO is 0.0	GPM TOTAL FLOW is 83728703	GAL	
ASBPRS is 0.3	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 876832	GAL	
HP_PRS is 1.8	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.80	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 0.01	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 0.00	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 27.90	FT LIMITS are L: 8.00	FT	H: 28.00 FT



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 10/28/2000
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P36 : LAST SHUTDOWN @ 11:41:30 ON 10/06/2000 BY KEYPAD

Discrete Inputs:

W1_CTR is ON	W2_CTR is ON	ASBVFD is ON	SMPCTR is OFF
HP_OP is OFF	ASP_HH is OFF	ASP_LO is OFF	FLRSMP is OFF
ACFAIL is OFF	E_STOP is OFF		

Discrete Outputs:

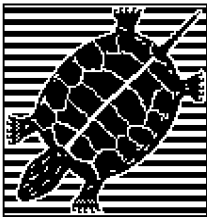
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 20.4	GPM TOTAL FLOW is 76553275	GAL	
W2_FLO is 22.0	GPM TOTAL FLOW is 83750409	GAL	
ASBPRS is 10.4	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 876844	GAL	
HP_PRS is 2.2	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.09	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.62	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.47	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 25.89	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 54.18	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.3	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.5	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTMP is 66.8	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 10/29/2000
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P36 : LAST SHUTDOWN @ 11:41:30 ON 10/06/2000 BY KEYPAD

Discrete Inputs:

W1_CTR is ON	W2_CTR is ON	ASBVFD is ON	SMPCTR is OFF
HP_OP is OFF	ASP_HH is OFF	ASP_LO is OFF	FLRSMP is OFF
ACFAIL is OFF	E_STOP is OFF		

Discrete Outputs:

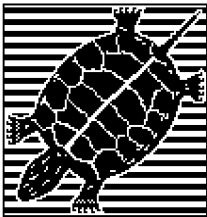
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 20.3	GPM TOTAL FLOW is 76582290	GAL	
W2_FLO is 22.0	GPM TOTAL FLOW is 83781921	GAL	
ASBPRS is 10.5	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 876859	GAL	
HP_PRS is 2.3	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.09	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.61	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.44	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 25.48	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 54.18	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.3	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.4	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTMP is 65.7	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 10/30/2000
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P36 : LAST SHUTDOWN @ 11:41:30 ON 10/06/2000 BY KEYPAD

Discrete Inputs:

W1_CTR is ON	W2_CTR is ON	ASBVFD is ON	SMPCTR is OFF
HP_OP is OFF	ASP_HH is OFF	ASP_LO is OFF	FLRSMP is OFF
ACFAIL is OFF	E_STOP is OFF		

Discrete Outputs:

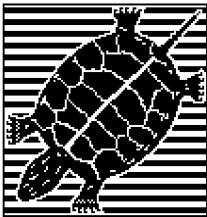
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 20.9	GPM TOTAL FLOW is 76611328	GAL	
W2_FLO is 22.2	GPM TOTAL FLOW is 83813436	GAL	
ASBPRS is 10.5	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 876859	GAL	
HP_PRS is 2.2	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.09	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.64	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.48	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 26.02	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 54.90	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.2	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.4	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTemp is 66.1	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

EOS Research Ltd.

Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 10/31/2000
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P36 : LAST SHUTDOWN @ 11:41:30 ON 10/06/2000 BY KEYPAD

Discrete Inputs:

W1_CTR is ON	W2_CTR is ON	ASBVFD is ON	SMPCTR is OFF
HP_OP is OFF	ASP_HH is OFF	ASP_LO is OFF	FLRSMP is OFF
ACFAIL is OFF	E_STOP is OFF		

Discrete Outputs:

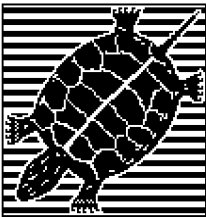
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 20.2	GPM	TOTAL FLOW is 76640444	GAL		
W2_FLO is 21.9	GPM	TOTAL FLOW is 83844922	GAL		
ASBPRS is 10.7	IWC	LIMITS are L: 5.0	IWC	H: 30.0	IWC
HP_FLO is 0.00	GPM	TOTAL FLOW is 876904	GAL		
HP_PRS is 2.2	PSI	LIMITS are L: -2.0	PSI	H: 20.0	PSI
HP_AMP is 0.04	AMP	LIMITS are L: 0.00	AMP	H:	AMP
W1_AMP is 4.68	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W2_AMP is 4.54	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W1_LVL is 26.54	FT	LIMITS are L: 8.00	FT	H: 28.00	FT
W2_LVL is 54.84	FT	LIMITS are L: 9.00	FT	H: 52.00	FT
W1_PRS is 4.3	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
W2_PRS is 4.5	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
INTMP is 63.8	DEG	LIMITS are L: 42.0	DEG	H: 130.0	DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 11/01/2000
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P36 : LAST SHUTDOWN @ 11:41:30 ON 10/06/2000 BY KEYPAD

Discrete Inputs:

W1_CTR is ON	W2_CTR is ON	ASBVFD is ON	SMPCTR is OFF
HP_OP is OFF	ASP_HH is OFF	ASP_LO is OFF	FLRSMP is OFF
ACFAIL is OFF	E_STOP is OFF		

Discrete Outputs:

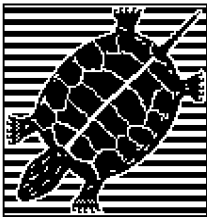
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 20.0	GPM TOTAL FLOW is 76669612	GAL	
W2_FLO is 22.1	GPM TOTAL FLOW is 83876326	GAL	
ASBPRS is 10.6	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 876967	GAL	
HP_PRS is 2.2	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.05	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.70	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.56	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 25.97	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 54.43	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.3	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.5	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTMP is 66.0	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 11/02/2000
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P36 : LAST SHUTDOWN @ 11:41:30 ON 10/06/2000 BY KEYPAD

Discrete Inputs:

W1_CTR is ON	W2_CTR is ON	ASBVFD is ON	SMPCTR is OFF
HP_OP is OFF	ASP_HH is OFF	ASP_LO is OFF	FLRSMP is OFF
ACFAIL is OFF	E_STOP is OFF		

Discrete Outputs:

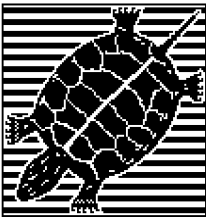
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 20.7	GPM TOTAL FLOW is 76698721	GAL	
W2_FLO is 21.6	GPM TOTAL FLOW is 83907693	GAL	
ASBPRS is 10.5	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 877011	GAL	
HP_PRS is 2.2	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.05	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.67	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.51	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 25.78	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 54.58	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.4	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.5	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTMP is 64.1	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 11/03/2000
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P36 : LAST SHUTDOWN @ 11:41:30 ON 10/06/2000 BY KEYPAD

Discrete Inputs:

W1_CTR is ON	W2_CTR is ON	ASBVFD is ON	SMPCTR is OFF
HP_OP is OFF	ASP_HH is OFF	ASP_LO is OFF	FLRSMP is OFF
ACFAIL is OFF	E_STOP is OFF		

Discrete Outputs:

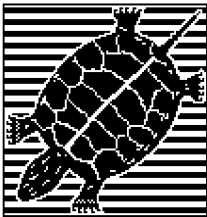
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 20.3	GPM TOTAL FLOW is 76727822	GAL	
W2_FLO is 21.8	GPM TOTAL FLOW is 83939050	GAL	
ASBPRS is 10.3	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 877101	GAL	
HP_PRS is 2.1	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.04	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.64	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.48	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 25.69	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 54.48	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.3	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.5	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTMP is 63.5	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 11/04/2000
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P36 : LAST SHUTDOWN @ 11:41:30 ON 10/06/2000 BY KEYPAD

Discrete Inputs:

W1_CTR is ON	W2_CTR is ON	ASBVFD is ON	SMPCTR is OFF
HP_OP is OFF	ASP_HH is OFF	ASP_LO is OFF	FLRSMP is OFF
ACFAIL is OFF	E_STOP is OFF		

Discrete Outputs:

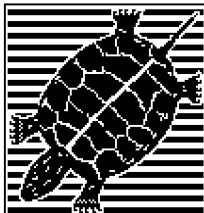
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 19.9	GPM TOTAL FLOW is 76756930	GAL	
W2_FLO is 21.9	GPM TOTAL FLOW is 83970415	GAL	
ASBPRS is 10.8	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 877146	GAL	
HP_PRS is 2.2	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.05	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.62	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.48	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 26.35	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 54.71	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.3	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.5	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTMP is 62.5	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ALARM Fax Report

EOS Research Ltd.

ProControl Series II+

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 11:26:50 ON 11/04/2000
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

SHUTD : LAST SHUTDOWN @ 11:41:30 ON 10/06/2000 BY KEYPAD
FAX REPORT INITIATED BY PROCESS 28

Discrete Inputs:

W1_CTR is OFF	W2_CTR is OFF	ASBVFD is ON	SMPCTR is OFF
HP_OP is OFF	ASP_HH is OFF	ASP_LO is OFF	FLRSMP is OFF
ACFAIL is OFF	E_STOP is OFF		

Discrete Outputs:

W1_GO is OFF	W2_GO is OFF	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is ON
VFDRUN is OFF	VFDRST is OFF	HPMGO is ON	

Analog Inputs:

W1_FLO is 0.0	GPM	TOTAL FLOW is 76763537	GAL		
W2_FLO is 0.0	GPM	TOTAL FLOW is 83977521	GAL		
ASBPRS is 0.3	IWC	LIMITS are L: 5.0	IWC	H: 30.0	IWC
HP_FLO is 0.00	GPM	TOTAL FLOW is 877167	GAL		
HP_PRS is 1.9	PSI	LIMITS are L: -2.0	PSI	H: 20.0	PSI
HP_AMP is 0.05	AMP	LIMITS are L: 0.00	AMP	H:	AMP
W1_AMP is 0.01	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W2_AMP is 0.00	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W1_LVL is 28.14	FT	LIMITS are L: 8.00	FT	H: 28.00	FT
W2_LVL is 56.06	FT	LIMITS are L: 9.00	FT	H: 52.00	FT
W1_PRS is 0.0	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
W2_PRS is 0.0	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
INTEMP is 62.9	DEG	LIMITS are L: 42.0	DEG	H: 130.0	DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN

APPENDIX B

O&M Checklists



Gladding Cordage
South Otselic, New York
NYSDEC Site #709009

Date 10/6/20
Inspector CH
Time 1130

Treatment System Operation

System On (Y/N)
RW-1 On (Y/N)
RW-2 On (Y/N)
Blower On (Y/N)
Sump Pump On (Y/N)

Y
Y
Y
Y
N

Alarms

A/C Fail (Y/N)
RW-1 (Y/N)
RW-2 (Y/N)
Blower Pressure (Y/N)
Sump Level (Y/N)

N
N
N
N
N/A

Recovery Wells

RW-1

RW-2

Flow Rate (GPM)
Total Flow (Gallons)
Water Level (Feet Above Probe)
Probe Depth (Feet BTOC)

18.4
76039577
25.23
8'-28'

21.5
83144370
53.27
9'-52'

Air Stripper

Blower VFD Setting (Hertz)
System Pressure (inches water)
Influent/Effluent Piping OK? (Y/N)

46.0
10.2
Y

Intake/Exhaust Piping OK? (Y/N)
Water Leaks (Y/N)
Water Temperature (°F)

Y
N

Heat Exchanger

Heat (On/Off)
Heat Exchanger Flow (GPM)

On
0.0

Building Temperature (°F)
Heat Exchanger Pressure (PSI)

66.8
2.0

General Building/Site

Building Condition OK? (Y/N)
Grass Mowed (Y/N)
Monitoring Wells OK? (Y/N)

Y
Y
Y

Circuit Breakers Checked (Y/N)
Outfall Condition OK? (Y/N)
Samples Collected (Y/N)

Y
Y
Y

Notes:

Sampled: RW-1 - 1300
RW-1-MS - 1305
RW-1-MSD - 1310

RW-2 - 1315
EFF 46 HZ - 1320

Site walk and well inspection:

System inspection:

RW-1 Vault sucken ~ 3" below asphalt
cover to RW-1 NOT in place due to Vault Lid
interference. Top of RW-1 open to dirt/debris when
opening Vault lid
RW-2 bollards and well stick-ups need fresh paint.

Gladding Cordage
South Otselic, New York
NYSDEC Site #709009

Date 10/8/2020
Inspector SM
Time 1130

Treatment System Operation

System On (Y/N) NO
RW-1 On (Y/N) Y
RW-2 On (Y/N) Y
Blower On (Y/N) Y
Sump Pump On (Y/N) N

Alarms

A/C Fail (Y/N) Y
RW-1 (Y/N) N
RW-2 (Y/N) N
Blower Pressure (Y/N) N
Sump Level (Y/N) N

Recovery Wells

RW-1

Flow Rate (GPM) 14.9
Total Flow (Gallons) 760699.00
Water Level (Feet Above Probe) 25.01
Probe Depth (Feet BTOC) 40

RW-2

Flow Rate (GPM) 21.4
Total Flow (Gallons) #5 83187130
Water Level (Feet Above Probe) 53.55
Probe Depth (Feet BTOC) 65

Air Stripper

Blower VFD Setting (Hertz) 46.0
System Pressure (inches water) 10
Influent/Effluent Piping OK? (Y/N) Y

Intake/Exhaust Piping OK? (Y/N) Y
Water Leaks (Y/N) N
Water Temperature (°F) 55°

Heat Exchanger

Heat (On/Off) ON
Heat Exchanger Flow (GPM) 0.0

Building Temperature (°F) 71.0
Heat Exchanger Pressure (PSI) 2

General Building/Site

Building Condition OK? (Y/N) Y
Grass Mowed (Y/N) N
Monitoring Wells OK? (Y/N) Y

Circuit Breakers Checked (Y/N) Y
Outfall Condition OK? (Y/N) Y
Samples Collected (Y/N) N

Notes:

Sampled: RW-1 - NA
RW-1-MS -
RW-1-MSD -

RW-2 -
EFF 46 HZ -

Site walk and well inspection:
System inspection:

Gladding Cordage
South Otselic, New York
NYSDEC Site #709009

Date 10/12/30
Inspector C. H. H.
Time 1440

Treatment System Operation

System On (Y/N)
RW-1 On (Y/N)
RW-2 On (Y/N)
Blower On (Y/N)
Sump Pump On (Y/N)

Y
Y
Y
Y
N

Alarms

A/C Fail (Y/N)
RW-1 (Y/N)
RW-2 (Y/N)
Blower Pressure (Y/N)
Sump Level (Y/N)

N
N
N
N
NA

Recovery Wells

RW-1

RW-2

Flow Rate (GPM)
Total Flow (Gallons)
Water Level (Feet Above Probe)
Probe Depth (Feet BTOC)

15.5
25.31

21.5
53.44

Air Stripper

Blower VFD Setting (Hertz)
System Pressure (inches water)
Influent/Effluent Piping OK? (Y/N)

46.0
10.1
Y

Intake/Exhaust Piping OK? (Y/N)
Water Leaks (Y/N)
Water Temperature (°F)

Y
N
F

Heat Exchanger

Heat (On/Off)
Heat Exchanger Flow (GPM)

On
0.0

Building Temperature (°F)
Heat Exchanger Pressure (PSI)

68.1
1.9

General Building/Site

Building Condition OK? (Y/N)
Grass Mowed (Y/N)
Monitoring Wells OK? (Y/N)

OK
Y
Y

Circuit Breakers Checked (Y/N)
Outfall Condition OK? (Y/N)
Samples Collected (Y/N)

Y
Y OK
N

Notes:

Sampled: RW-1
RW-1-MS
RW-1-MSD

RW-2
EFF 46 HZ

-
-
-

-
-

Site walk and well inspection:

System inspection: All systems running

Gladding Cordage
South Otselec, New York
NYSDEC Site #709009

Date 10/13/2020
Inspector J. Mullins/K. Stilson
Time 1730

Treatment System Operation

System On (Y/N) Y
RW-1 On (Y/N) Y
RW-2 On (Y/N) Y
Blower On (Y/N) Y
Sump Pump On (Y/N) N

Alarms

A/C Fail (Y/N) N
RW-1 (Y/N) N
RW-2 (Y/N) N
Blower Pressure (Y/N) N
Sump Level (Y/N) N

Recovery Wells

Flow Rate (GPM)
Total Flow (Gallons)
Water Level (Feet Above Probe)
Probe Depth (Feet BTOC)

RW-1

15.3
76135.439
25.34
40.00

RW-2

22.0
53391056
53.48
65.00

Air Stripper

Blower VFD Setting (Hertz) 46.0
System Pressure (inches water) 10.2
Influent/Effluent Piping OK? (Y/N) Y

Intake/Exhaust Piping OK? (Y/N) Y
Water Leaks (Y/N) N
Water Temperature (°F) Not Reported

Heat Exchanger

Heat (On/Off) Off
Heat Exchanger Flow (GPM) 0.0

Building Temperature (°F) 65.3
Heat Exchanger Pressure (PSI) 1.9

General Building/Site

Building Condition OK? (Y/N) Y
Grass Mowed (Y/N) N
Monitoring Wells OK? (Y/N) Y

Circuit Breakers Checked (Y/N) Y
Outfall Condition OK? (Y/N) Y
Samples Collected (Y/N) Y

Notes:

Sampled: RW-1 - 1745
RW-1-MS - 1745
RW-1-MSD - 1745

RW-2 - 1800
EFF 46 HZ - 1815

Site walk and well inspection: 1730
System inspection: 0730 And 1730

Gladding Cordage
South Otselic, New York
NYSDEC Site #709009

Date 10/27/20
Inspector CH
Time 1410

Treatment System Operation

System On (Y/N) Y
RW-1 On (Y/N) Y
RW-2 On (Y/N) Y
Blower On (Y/N) Y
Sump Pump On (Y/N) N

Alarms

A/C Fail (Y/N) N
RW-1 (Y/N) N
RW-2 (Y/N) N
Blower Pressure (Y/N) N
Sump Level (Y/N) ~~N~~

Recovery Wells

Flow Rate (GPM)
Total Flow (Gallons)
Water Level (Feet Above Probe)
Probe Depth (Feet BTOC)

RW-1

19.8
25.84
25.84

RW-2

21.7
54.24
54.24

Air Stripper

Blower VFD Setting (Hertz) 46.0
System Pressure (inches water) 10.4
Influent/Effluent Piping OK? (Y/N) Y

Intake/Exhaust Piping OK? (Y/N)
Water Leaks (Y/N)
Water Temperature (°F)

Y (fixed)
N
64.4

Heat Exchanger

Heat (On/Off) on
Heat Exchanger Flow (GPM) 0.0

Building Temperature (°F)
Heat Exchanger Pressure (PSI)

64.4
2.2

General Building/Site

Building Condition OK? (Y/N) Y
Grass Mowed (Y/N) Y
Monitoring Wells OK? (Y/N) Y

Circuit Breakers Checked (Y/N)
Outfall Condition OK? (Y/N)
Samples Collected (Y/N)

Y
Y
N

Notes:

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

Site walk and well inspection:

System inspection: Gasket cap leak on top tray. Clamps tightened. Leak fixed.

Gladding Cordage
South Otselic, New York
NYSDEC Site #709009

Date 11/10/20
Inspector Chad Hill
Time 0840

Treatment System Operation

System On (Y/N) Y
RW-1 On (Y/N) Y
RW-2 On (Y/N) Y
Blower On (Y/N) Y
Sump Pump On (Y/N) N

Alarms

A/C Fail (Y/N) N
RW-1 (Y/N) N
RW-2 (Y/N) N
Blower Pressure (Y/N) N
Sump Level (Y/N) N

Recovery Wells

RW-1

RW-2

Flow Rate (GPM) 20.8
Total Flow (Gallons)
Water Level (Feet Above Probe) 25.45
Probe Depth (Feet BTOC) 25.45

21.5

53.67
53.67

Air Stripper

Blower VFD Setting (Hertz) 46.0
System Pressure (inches water) 10.3
Influent/Effluent Piping OK? (Y/N) Y

Intake/Exhaust Piping OK? (Y/N) Y
Water Leaks (Y/N) N
Water Temperature (°F)

Heat Exchanger

Heat (On/Off) On
Heat Exchanger Flow (GPM) 0.00

Building Temperature (°F) 65.8
Heat Exchanger Pressure (PSI) 2.4

General Building/Site

Building Condition OK? (Y/N) Y
Grass Mowed (Y/N) Y
Monitoring Wells OK? (Y/N) Y

Circuit Breakers Checked (Y/N) Y
Outfall Condition OK? (Y/N) Y
Samples Collected (Y/N) Y

Notes:

Sampled: RW-1 - 0925
RW-1-MS - 0930
RW-1-MSD - 0935

RW-2 - 0940
EFF 46 HZ - 0945

Site walk and well inspection:

System inspection:

CHAIN OF CUSTODY

Client: New York State Dept. of Environmental Conservation

FED-EX Tracking #

Bottle Order Control #	

Lab Quote #

Lab Job #	

PAGE 1 OF 1

[illegible]

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

Laboratory Information

☒ Standard 14 Days _____

☐ 1 day BUSH _____

☐ Other _____

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
- ☒ EDD Format _____
- ☐ 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 Sampler:	Date / Time:	Received By:	
1 <i>Good 1100</i>	1 <i>11/10/20 1230</i>	1 <i>[Signature] ES-SY</i>	
Relinquished By :	Date / Time:	Received By:	
2	2	2	
Relinquished By :	Date / Time:	Received By:	
3	3	3	
Custody Seal Number:	☐ Intact ☐ Preserved where applicable ☐ Not Intact ☐ On Ice Cooler Temp _____		

Gladding Cordage
South Otselic, New York
NYSDEC Site #709009

Date 12/08/20
Inspector G. ERNST
Time 0900

Treatment System Operation

System On (Y/N) Y
RW-1 On (Y/N) Y
RW-2 On (Y/N) Y
Blower On (Y/N) Y
Sump Pump On (Y/N) Y

Alarms

A/C Fail (Y/N) N
RW-1 (Y/N) N
RW-2 (Y/N) N
Blower Pressure (Y/N) N
Sump Level (Y/N) N

Recovery Wells

RW-1

RW-2

Flow Rate (GPM) 21.2
Total Flow (Gallons) 958103
Water Level (Feet Above Probe) 24.27
Probe Depth (Feet BTOC)

22.5
996865
54.22

Air Stripper

Blower VFD Setting (Hertz) 46.0
System Pressure (inches water) 10
Influent/Effluent Piping OK? (Y/N) Y

Intake/Exhaust Piping OK? (Y/N) Y *
Water Leaks (Y/N) N
Water Temperature (°F) 50°

Heat Exchanger

Heat (On/Off) ON
Heat Exchanger Flow (GPM) 0.0

Building Temperature (°F) 67.61.5
Heat Exchanger Pressure (PSI) 2.6

General Building/Site

Building Condition OK? (Y/N) Y
Grass Mowed (Y/N) Y
Monitoring Wells OK? (Y/N) OK Y

Circuit Breakers Checked (Y/N) Y
Outfall Condition OK? (Y/N) Y
Samples Collected (Y/N) Y

Notes:

Sampled: RW-1 - 10:00
RW-1-MS - 10:00
RW-1-MSD - 10:00

RW-2 - 10:05
EFF 46 HZ - 10:10

Site walk and well inspection:

System inspection: * small water leak from exhaust stack above stripper

APPENDIX C

Analytical Reports



ANALYTICAL REPORT

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

Laboratory Job ID: 480-176157-1

Client Project/Site: Gladding Corporation #709009

For:

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

Attn: Mr. Payson Long



Authorized for release by:
10/12/2020 10:57:50 AM

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

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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

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
10/12/2020 10:57:50 AM

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	24
Lab Chronicle	25
Certification Summary	26
Method Summary	27
Sample Summary	28
Chain of Custody	29
Receipt Checklists	30



Definitions/Glossary

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

Job ID: 480-176157-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
B	Compound was found in the blank and sample.
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

Case Narrative

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

Job ID: 480-176157-1

Job ID: 480-176157-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-176157-1

Receipt

The samples were received on 10/8/2020 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 2.5° C.

GC/MS VOA

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-553336 recovered above the upper control limit for Carbon tetrachloride, 2,2-Dichloropropane and 1,1,2-Trichloro-1,2,2-trifluoroethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: RW-1 (480-176157-1), RW-2 (480-176157-2), EFFLUENT 46 Hz (480-176157-3) and TRIP BLANK (480-176157-4).

Method 8260C: The laboratory control sample (LCS) for analytical batch 480-553336 recovered outside control limits for the following analyte: 2-Methyl-2-propanol. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported. The associated samples are impacted: RW-1 (480-176157-1), RW-2 (480-176157-2), EFFLUENT 46 Hz (480-176157-3) and TRIP BLANK (480-176157-4).

Method 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 480-553336 were outside control limits. Sample matrix interference is suspected. The associated samples are impacted: RW-1 (480-176157-1[MS]) and RW-1 (480-176157-1[MSD]).

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

Detection Summary

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

Job ID: 480-176157-1

Client Sample ID: RW-1

Lab Sample ID: 480-176157-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.5		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	1.5		1.0	0.29	ug/L	1		8260C	Total/NA
Methylene Chloride	0.54	J B	1.0	0.44	ug/L	1		8260C	Total/NA
1,1,1-Trichloroethane	43		1.0	0.82	ug/L	1		8260C	Total/NA

Client Sample ID: RW-2

Lab Sample ID: 480-176157-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.75	J	1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	1.3		1.0	0.29	ug/L	1		8260C	Total/NA
Methylene Chloride	0.52	J B	1.0	0.44	ug/L	1		8260C	Total/NA
1,1,1-Trichloroethane	32		1.0	0.82	ug/L	1		8260C	Total/NA

Client Sample ID: EFFLUENT 46 Hz

Lab Sample ID: 480-176157-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.60	J B	1.0	0.44	ug/L	1		8260C	Total/NA

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-176157-4

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176157-1

Client Sample ID: RW-1

Lab Sample ID: 480-176157-1

Date Collected: 10/06/20 13:00

Matrix: Water

Date Received: 10/08/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	3.0	ug/L			10/10/20 12:47	1
Acrylonitrile	ND		5.0	0.83	ug/L			10/10/20 12:47	1
Benzene	ND		1.0	0.41	ug/L			10/10/20 12:47	1
Bromobenzene	ND		1.0	0.80	ug/L			10/10/20 12:47	1
Bromochloromethane	ND		1.0	0.87	ug/L			10/10/20 12:47	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/10/20 12:47	1
Bromoform	ND		1.0	0.26	ug/L			10/10/20 12:47	1
Bromomethane	ND		1.0	0.69	ug/L			10/10/20 12:47	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/10/20 12:47	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/10/20 12:47	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/10/20 12:47	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/10/20 12:47	1
Chloroethane	ND		1.0	0.32	ug/L			10/10/20 12:47	1
Chloroform	ND		1.0	0.34	ug/L			10/10/20 12:47	1
Chloromethane	ND		1.0	0.35	ug/L			10/10/20 12:47	1
2-Chlorotoluene	ND		1.0	0.86	ug/L			10/10/20 12:47	1
4-Chlorotoluene	ND		1.0	0.84	ug/L			10/10/20 12:47	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/10/20 12:47	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/10/20 12:47	1
Cyclohexane	ND		1.0	0.18	ug/L			10/10/20 12:47	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/10/20 12:47	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/10/20 12:47	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/10/20 12:47	1
Dibromomethane	ND		1.0	0.41	ug/L			10/10/20 12:47	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/10/20 12:47	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/10/20 12:47	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/10/20 12:47	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/10/20 12:47	1
1,1-Dichloroethane	1.5		1.0	0.38	ug/L			10/10/20 12:47	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/10/20 12:47	1
1,1-Dichloroethene	1.5		1.0	0.29	ug/L			10/10/20 12:47	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/10/20 12:47	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			10/10/20 12:47	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			10/10/20 12:47	1
1,1-Dichloropropene	ND	F1	1.0	0.72	ug/L			10/10/20 12:47	1
Diethyl ether	ND		1.0	0.72	ug/L			10/10/20 12:47	1
Diisopropyl ether	ND		1.0	0.59	ug/L			10/10/20 12:47	1
1,4-Dioxane	ND		40	9.3	ug/L			10/10/20 12:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/10/20 12:47	1
Hexachlorobutadiene	ND		2.0	0.28	ug/L			10/10/20 12:47	1
2-Hexanone	ND		5.0	1.2	ug/L			10/10/20 12:47	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/10/20 12:47	1
Methyl acetate	ND		2.5	1.3	ug/L			10/10/20 12:47	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/10/20 12:47	1
Methylene Chloride	0.54	J B	1.0	0.44	ug/L			10/10/20 12:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/10/20 12:47	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/10/20 12:47	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/10/20 12:47	1
Naphthalene	ND		1.0	0.43	ug/L			10/10/20 12:47	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176157-1

Client Sample ID: RW-1

Lab Sample ID: 480-176157-1

Date Collected: 10/06/20 13:00

Matrix: Water

Date Received: 10/08/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		1.0	0.64	ug/L			10/10/20 12:47	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/10/20 12:47	1
o-Xylene	ND		1.0	0.76	ug/L			10/10/20 12:47	1
p-Isopropyltoluene	ND		1.0	0.31	ug/L			10/10/20 12:47	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			10/10/20 12:47	1
Styrene	ND		1.0	0.73	ug/L			10/10/20 12:47	1
Tert-amyl methyl ether	ND		1.0	0.27	ug/L			10/10/20 12:47	1
tert-Butyl alcohol (TBA)	ND	* F1	10	3.3	ug/L			10/10/20 12:47	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			10/10/20 12:47	1
Tert-butyl ethyl ether	ND		1.0	0.29	ug/L			10/10/20 12:47	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			10/10/20 12:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/10/20 12:47	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/10/20 12:47	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/10/20 12:47	1
Toluene	ND		1.0	0.51	ug/L			10/10/20 12:47	1
trans-1,4-Dichloro-2-butene	ND		1.0	0.22	ug/L			10/10/20 12:47	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/10/20 12:47	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/10/20 12:47	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			10/10/20 12:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/10/20 12:47	1
1,3,5-Trichlorobenzene	ND		1.0	0.23	ug/L			10/10/20 12:47	1
1,1,1-Trichloroethane	43		1.0	0.82	ug/L			10/10/20 12:47	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/10/20 12:47	1
Trichloroethene	ND		1.0	0.46	ug/L			10/10/20 12:47	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/10/20 12:47	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			10/10/20 12:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/10/20 12:47	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			10/10/20 12:47	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			10/10/20 12:47	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/10/20 12:47	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/10/20 12:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		73 - 120		10/10/20 12:47	1
Dibromofluoromethane (Surr)	109		75 - 123		10/10/20 12:47	1
1,2-Dichloroethane-d4 (Surr)	117		77 - 120		10/10/20 12:47	1
Toluene-d8 (Surr)	100		80 - 120		10/10/20 12:47	1

Client Sample Results

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

Job ID: 480-176157-1

Client Sample ID: RW-2

Lab Sample ID: 480-176157-2

Date Collected: 10/06/20 13:15

Matrix: Water

Date Received: 10/08/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	3.0	ug/L			10/10/20 13:10	1
Acrylonitrile	ND		5.0	0.83	ug/L			10/10/20 13:10	1
Benzene	ND		1.0	0.41	ug/L			10/10/20 13:10	1
Bromobenzene	ND		1.0	0.80	ug/L			10/10/20 13:10	1
Bromochloromethane	ND		1.0	0.87	ug/L			10/10/20 13:10	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/10/20 13:10	1
Bromoform	ND		1.0	0.26	ug/L			10/10/20 13:10	1
Bromomethane	ND		1.0	0.69	ug/L			10/10/20 13:10	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/10/20 13:10	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/10/20 13:10	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/10/20 13:10	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/10/20 13:10	1
Chloroethane	ND		1.0	0.32	ug/L			10/10/20 13:10	1
Chloroform	ND		1.0	0.34	ug/L			10/10/20 13:10	1
Chloromethane	ND		1.0	0.35	ug/L			10/10/20 13:10	1
2-Chlorotoluene	ND		1.0	0.86	ug/L			10/10/20 13:10	1
4-Chlorotoluene	ND		1.0	0.84	ug/L			10/10/20 13:10	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/10/20 13:10	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/10/20 13:10	1
Cyclohexane	ND		1.0	0.18	ug/L			10/10/20 13:10	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/10/20 13:10	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/10/20 13:10	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/10/20 13:10	1
Dibromomethane	ND		1.0	0.41	ug/L			10/10/20 13:10	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/10/20 13:10	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/10/20 13:10	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/10/20 13:10	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/10/20 13:10	1
1,1-Dichloroethane	0.75	J	1.0	0.38	ug/L			10/10/20 13:10	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/10/20 13:10	1
1,1-Dichloroethene	1.3		1.0	0.29	ug/L			10/10/20 13:10	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/10/20 13:10	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			10/10/20 13:10	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			10/10/20 13:10	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			10/10/20 13:10	1
Diethyl ether	ND		1.0	0.72	ug/L			10/10/20 13:10	1
Diisopropyl ether	ND		1.0	0.59	ug/L			10/10/20 13:10	1
1,4-Dioxane	ND		40	9.3	ug/L			10/10/20 13:10	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/10/20 13:10	1
Hexachlorobutadiene	ND		2.0	0.28	ug/L			10/10/20 13:10	1
2-Hexanone	ND		5.0	1.2	ug/L			10/10/20 13:10	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/10/20 13:10	1
Methyl acetate	ND		2.5	1.3	ug/L			10/10/20 13:10	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/10/20 13:10	1
Methylene Chloride	0.52	J B	1.0	0.44	ug/L			10/10/20 13:10	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/10/20 13:10	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/10/20 13:10	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/10/20 13:10	1
Naphthalene	ND		1.0	0.43	ug/L			10/10/20 13:10	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176157-1

Client Sample ID: RW-2

Lab Sample ID: 480-176157-2

Date Collected: 10/06/20 13:15

Matrix: Water

Date Received: 10/08/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		1.0	0.64	ug/L			10/10/20 13:10	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/10/20 13:10	1
o-Xylene	ND		1.0	0.76	ug/L			10/10/20 13:10	1
p-Isopropyltoluene	ND		1.0	0.31	ug/L			10/10/20 13:10	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			10/10/20 13:10	1
Styrene	ND		1.0	0.73	ug/L			10/10/20 13:10	1
Tert-amyl methyl ether	ND		1.0	0.27	ug/L			10/10/20 13:10	1
tert-Butyl alcohol (TBA)	ND *		10	3.3	ug/L			10/10/20 13:10	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			10/10/20 13:10	1
Tert-butyl ethyl ether	ND		1.0	0.29	ug/L			10/10/20 13:10	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			10/10/20 13:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/10/20 13:10	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/10/20 13:10	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/10/20 13:10	1
Toluene	ND		1.0	0.51	ug/L			10/10/20 13:10	1
trans-1,4-Dichloro-2-butene	ND		1.0	0.22	ug/L			10/10/20 13:10	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/10/20 13:10	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/10/20 13:10	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			10/10/20 13:10	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/10/20 13:10	1
1,3,5-Trichlorobenzene	ND		1.0	0.23	ug/L			10/10/20 13:10	1
1,1,1-Trichloroethane	32		1.0	0.82	ug/L			10/10/20 13:10	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/10/20 13:10	1
Trichloroethene	ND		1.0	0.46	ug/L			10/10/20 13:10	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/10/20 13:10	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			10/10/20 13:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/10/20 13:10	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			10/10/20 13:10	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			10/10/20 13:10	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/10/20 13:10	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/10/20 13:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		73 - 120		10/10/20 13:10	1
Dibromofluoromethane (Surr)	112		75 - 123		10/10/20 13:10	1
1,2-Dichloroethane-d4 (Surr)	115		77 - 120		10/10/20 13:10	1
Toluene-d8 (Surr)	99		80 - 120		10/10/20 13:10	1

Client Sample Results

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

Job ID: 480-176157-1

Client Sample ID: EFFLUENT 46 Hz

Lab Sample ID: 480-176157-3

Date Collected: 10/06/20 13:20

Matrix: Water

Date Received: 10/08/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	3.0	ug/L			10/10/20 13:34	1
Acrylonitrile	ND		5.0	0.83	ug/L			10/10/20 13:34	1
Benzene	ND		1.0	0.41	ug/L			10/10/20 13:34	1
Bromobenzene	ND		1.0	0.80	ug/L			10/10/20 13:34	1
Bromochloromethane	ND		1.0	0.87	ug/L			10/10/20 13:34	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/10/20 13:34	1
Bromoform	ND		1.0	0.26	ug/L			10/10/20 13:34	1
Bromomethane	ND		1.0	0.69	ug/L			10/10/20 13:34	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/10/20 13:34	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/10/20 13:34	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/10/20 13:34	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/10/20 13:34	1
Chloroethane	ND		1.0	0.32	ug/L			10/10/20 13:34	1
Chloroform	ND		1.0	0.34	ug/L			10/10/20 13:34	1
Chloromethane	ND		1.0	0.35	ug/L			10/10/20 13:34	1
2-Chlorotoluene	ND		1.0	0.86	ug/L			10/10/20 13:34	1
4-Chlorotoluene	ND		1.0	0.84	ug/L			10/10/20 13:34	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/10/20 13:34	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/10/20 13:34	1
Cyclohexane	ND		1.0	0.18	ug/L			10/10/20 13:34	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/10/20 13:34	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/10/20 13:34	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/10/20 13:34	1
Dibromomethane	ND		1.0	0.41	ug/L			10/10/20 13:34	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/10/20 13:34	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/10/20 13:34	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/10/20 13:34	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/10/20 13:34	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/10/20 13:34	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/10/20 13:34	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/10/20 13:34	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/10/20 13:34	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			10/10/20 13:34	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			10/10/20 13:34	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			10/10/20 13:34	1
Diethyl ether	ND		1.0	0.72	ug/L			10/10/20 13:34	1
Diisopropyl ether	ND		1.0	0.59	ug/L			10/10/20 13:34	1
1,4-Dioxane	ND		40	9.3	ug/L			10/10/20 13:34	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/10/20 13:34	1
Hexachlorobutadiene	ND		2.0	0.28	ug/L			10/10/20 13:34	1
2-Hexanone	ND		5.0	1.2	ug/L			10/10/20 13:34	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/10/20 13:34	1
Methyl acetate	ND		2.5	1.3	ug/L			10/10/20 13:34	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/10/20 13:34	1
Methylene Chloride	0.60	J B	1.0	0.44	ug/L			10/10/20 13:34	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/10/20 13:34	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/10/20 13:34	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/10/20 13:34	1
Naphthalene	ND		1.0	0.43	ug/L			10/10/20 13:34	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176157-1

Client Sample ID: EFFLUENT 46 Hz

Lab Sample ID: 480-176157-3

Date Collected: 10/06/20 13:20

Matrix: Water

Date Received: 10/08/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		1.0	0.64	ug/L			10/10/20 13:34	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/10/20 13:34	1
o-Xylene	ND		1.0	0.76	ug/L			10/10/20 13:34	1
p-Isopropyltoluene	ND		1.0	0.31	ug/L			10/10/20 13:34	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			10/10/20 13:34	1
Styrene	ND		1.0	0.73	ug/L			10/10/20 13:34	1
Tert-amyl methyl ether	ND		1.0	0.27	ug/L			10/10/20 13:34	1
tert-Butyl alcohol (TBA)	ND *		10	3.3	ug/L			10/10/20 13:34	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			10/10/20 13:34	1
Tert-butyl ethyl ether	ND		1.0	0.29	ug/L			10/10/20 13:34	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			10/10/20 13:34	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/10/20 13:34	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/10/20 13:34	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/10/20 13:34	1
Toluene	ND		1.0	0.51	ug/L			10/10/20 13:34	1
trans-1,4-Dichloro-2-butene	ND		1.0	0.22	ug/L			10/10/20 13:34	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/10/20 13:34	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/10/20 13:34	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			10/10/20 13:34	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/10/20 13:34	1
1,3,5-Trichlorobenzene	ND		1.0	0.23	ug/L			10/10/20 13:34	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/10/20 13:34	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/10/20 13:34	1
Trichloroethene	ND		1.0	0.46	ug/L			10/10/20 13:34	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/10/20 13:34	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			10/10/20 13:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/10/20 13:34	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			10/10/20 13:34	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			10/10/20 13:34	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/10/20 13:34	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/10/20 13:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		73 - 120		10/10/20 13:34	1
Dibromofluoromethane (Surr)	115		75 - 123		10/10/20 13:34	1
1,2-Dichloroethane-d4 (Surr)	117		77 - 120		10/10/20 13:34	1
Toluene-d8 (Surr)	98		80 - 120		10/10/20 13:34	1

Client Sample Results

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

Job ID: 480-176157-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-176157-4

Date Collected: 10/06/20 00:00

Matrix: Water

Date Received: 10/08/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	3.0	ug/L			10/10/20 13:58	1
Acrylonitrile	ND		5.0	0.83	ug/L			10/10/20 13:58	1
Benzene	ND		1.0	0.41	ug/L			10/10/20 13:58	1
Bromobenzene	ND		1.0	0.80	ug/L			10/10/20 13:58	1
Bromochloromethane	ND		1.0	0.87	ug/L			10/10/20 13:58	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/10/20 13:58	1
Bromoform	ND		1.0	0.26	ug/L			10/10/20 13:58	1
Bromomethane	ND		1.0	0.69	ug/L			10/10/20 13:58	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/10/20 13:58	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/10/20 13:58	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/10/20 13:58	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/10/20 13:58	1
Chloroethane	ND		1.0	0.32	ug/L			10/10/20 13:58	1
Chloroform	ND		1.0	0.34	ug/L			10/10/20 13:58	1
Chloromethane	ND		1.0	0.35	ug/L			10/10/20 13:58	1
2-Chlorotoluene	ND		1.0	0.86	ug/L			10/10/20 13:58	1
4-Chlorotoluene	ND		1.0	0.84	ug/L			10/10/20 13:58	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/10/20 13:58	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/10/20 13:58	1
Cyclohexane	ND		1.0	0.18	ug/L			10/10/20 13:58	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/10/20 13:58	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/10/20 13:58	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/10/20 13:58	1
Dibromomethane	ND		1.0	0.41	ug/L			10/10/20 13:58	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/10/20 13:58	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/10/20 13:58	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/10/20 13:58	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/10/20 13:58	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/10/20 13:58	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/10/20 13:58	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/10/20 13:58	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/10/20 13:58	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			10/10/20 13:58	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			10/10/20 13:58	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			10/10/20 13:58	1
Diethyl ether	ND		1.0	0.72	ug/L			10/10/20 13:58	1
Diisopropyl ether	ND		1.0	0.59	ug/L			10/10/20 13:58	1
1,4-Dioxane	ND		40	9.3	ug/L			10/10/20 13:58	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/10/20 13:58	1
Hexachlorobutadiene	ND		2.0	0.28	ug/L			10/10/20 13:58	1
2-Hexanone	ND		5.0	1.2	ug/L			10/10/20 13:58	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/10/20 13:58	1
Methyl acetate	ND		2.5	1.3	ug/L			10/10/20 13:58	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/10/20 13:58	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/10/20 13:58	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/10/20 13:58	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/10/20 13:58	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/10/20 13:58	1
Naphthalene	ND		1.0	0.43	ug/L			10/10/20 13:58	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176157-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-176157-4

Date Collected: 10/06/20 00:00

Matrix: Water

Date Received: 10/08/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		1.0	0.64	ug/L			10/10/20 13:58	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/10/20 13:58	1
o-Xylene	ND		1.0	0.76	ug/L			10/10/20 13:58	1
p-Isopropyltoluene	ND		1.0	0.31	ug/L			10/10/20 13:58	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			10/10/20 13:58	1
Styrene	ND		1.0	0.73	ug/L			10/10/20 13:58	1
Tert-amyl methyl ether	ND		1.0	0.27	ug/L			10/10/20 13:58	1
tert-Butyl alcohol (TBA)	ND *		10	3.3	ug/L			10/10/20 13:58	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			10/10/20 13:58	1
Tert-butyl ethyl ether	ND		1.0	0.29	ug/L			10/10/20 13:58	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			10/10/20 13:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/10/20 13:58	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/10/20 13:58	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/10/20 13:58	1
Toluene	ND		1.0	0.51	ug/L			10/10/20 13:58	1
trans-1,4-Dichloro-2-butene	ND		1.0	0.22	ug/L			10/10/20 13:58	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/10/20 13:58	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/10/20 13:58	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			10/10/20 13:58	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/10/20 13:58	1
1,3,5-Trichlorobenzene	ND		1.0	0.23	ug/L			10/10/20 13:58	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/10/20 13:58	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/10/20 13:58	1
Trichloroethene	ND		1.0	0.46	ug/L			10/10/20 13:58	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/10/20 13:58	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			10/10/20 13:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/10/20 13:58	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			10/10/20 13:58	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			10/10/20 13:58	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/10/20 13:58	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/10/20 13:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		73 - 120		10/10/20 13:58	1
Dibromofluoromethane (Surr)	108		75 - 123		10/10/20 13:58	1
1,2-Dichloroethane-d4 (Surr)	114		77 - 120		10/10/20 13:58	1
Toluene-d8 (Surr)	98		80 - 120		10/10/20 13:58	1

Surrogate Summary

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

Job ID: 480-176157-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		BFB (73-120)	DBFM (75-123)	DCA (77-120)	TOL (80-120)
480-176157-1	RW-1	100	109	117	100
480-176157-1 MS	RW-1	103	109	115	103
480-176157-1 MSD	RW-1	102	109	112	102
480-176157-2	RW-2	102	112	115	99
480-176157-3	EFFLUENT 46 Hz	99	115	117	98
480-176157-4	TRIP BLANK	96	108	114	98
LCS 480-553336/5	Lab Control Sample	106	106	109	105
MB 480-553336/7	Method Blank	98	112	118	99

Surrogate Legend

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

QC Sample Results

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

Job ID: 480-176157-1

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

Lab Sample ID: MB 480-553336/7

Matrix: Water

Analysis Batch: 553336

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	3.0	ug/L			10/10/20 11:50	1
Acrylonitrile	ND		5.0	0.83	ug/L			10/10/20 11:50	1
Benzene	ND		1.0	0.41	ug/L			10/10/20 11:50	1
Bromobenzene	ND		1.0	0.80	ug/L			10/10/20 11:50	1
Bromochloromethane	ND		1.0	0.87	ug/L			10/10/20 11:50	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/10/20 11:50	1
Bromoform	ND		1.0	0.26	ug/L			10/10/20 11:50	1
Bromomethane	ND		1.0	0.69	ug/L			10/10/20 11:50	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/10/20 11:50	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/10/20 11:50	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/10/20 11:50	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/10/20 11:50	1
Chloroethane	ND		1.0	0.32	ug/L			10/10/20 11:50	1
Chloroform	ND		1.0	0.34	ug/L			10/10/20 11:50	1
Chloromethane	ND		1.0	0.35	ug/L			10/10/20 11:50	1
2-Chlorotoluene	ND		1.0	0.86	ug/L			10/10/20 11:50	1
4-Chlorotoluene	ND		1.0	0.84	ug/L			10/10/20 11:50	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/10/20 11:50	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/10/20 11:50	1
Cyclohexane	ND		1.0	0.18	ug/L			10/10/20 11:50	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/10/20 11:50	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/10/20 11:50	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/10/20 11:50	1
Dibromomethane	ND		1.0	0.41	ug/L			10/10/20 11:50	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/10/20 11:50	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/10/20 11:50	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/10/20 11:50	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/10/20 11:50	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/10/20 11:50	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/10/20 11:50	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/10/20 11:50	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/10/20 11:50	1
1,3-Dichloropropane	ND		1.0	0.75	ug/L			10/10/20 11:50	1
2,2-Dichloropropane	ND		1.0	0.40	ug/L			10/10/20 11:50	1
1,1-Dichloropropene	ND		1.0	0.72	ug/L			10/10/20 11:50	1
Diethyl ether	ND		1.0	0.72	ug/L			10/10/20 11:50	1
Diisopropyl ether	ND		1.0	0.59	ug/L			10/10/20 11:50	1
1,4-Dioxane	ND		40	9.3	ug/L			10/10/20 11:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/10/20 11:50	1
Hexachlorobutadiene	ND		2.0	0.28	ug/L			10/10/20 11:50	1
2-Hexanone	ND		5.0	1.2	ug/L			10/10/20 11:50	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/10/20 11:50	1
Methyl acetate	ND		2.5	1.3	ug/L			10/10/20 11:50	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/10/20 11:50	1
Methylene Chloride	0.633	J	1.0	0.44	ug/L			10/10/20 11:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/10/20 11:50	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/10/20 11:50	1
m,p-Xylene	ND		2.0	0.66	ug/L			10/10/20 11:50	1

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-176157-1

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

Lab Sample ID: MB 480-553336/7

Matrix: Water

Analysis Batch: 553336

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		1.0	0.43	ug/L			10/10/20 11:50	1
n-Butylbenzene	ND		1.0	0.64	ug/L			10/10/20 11:50	1
N-Propylbenzene	ND		1.0	0.69	ug/L			10/10/20 11:50	1
o-Xylene	ND		1.0	0.76	ug/L			10/10/20 11:50	1
p-Isopropyltoluene	ND		1.0	0.31	ug/L			10/10/20 11:50	1
sec-Butylbenzene	ND		1.0	0.75	ug/L			10/10/20 11:50	1
Styrene	ND		1.0	0.73	ug/L			10/10/20 11:50	1
Tert-amyl methyl ether	ND		1.0	0.27	ug/L			10/10/20 11:50	1
tert-Butyl alcohol (TBA)	ND		10	3.3	ug/L			10/10/20 11:50	1
tert-Butylbenzene	ND		1.0	0.81	ug/L			10/10/20 11:50	1
Tert-butyl ethyl ether	ND		1.0	0.29	ug/L			10/10/20 11:50	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.35	ug/L			10/10/20 11:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/10/20 11:50	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/10/20 11:50	1
Tetrahydrofuran	ND		5.0	1.3	ug/L			10/10/20 11:50	1
Toluene	ND		1.0	0.51	ug/L			10/10/20 11:50	1
trans-1,4-Dichloro-2-butene	ND		1.0	0.22	ug/L			10/10/20 11:50	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/10/20 11:50	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/10/20 11:50	1
1,2,3-Trichlorobenzene	ND		1.0	0.41	ug/L			10/10/20 11:50	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/10/20 11:50	1
1,3,5-Trichlorobenzene	ND		1.0	0.23	ug/L			10/10/20 11:50	1
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/10/20 11:50	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/10/20 11:50	1
Trichloroethene	ND		1.0	0.46	ug/L			10/10/20 11:50	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/10/20 11:50	1
1,2,3-Trichloropropane	ND		1.0	0.89	ug/L			10/10/20 11:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/10/20 11:50	1
1,2,4-Trimethylbenzene	ND		1.0	0.75	ug/L			10/10/20 11:50	1
1,3,5-Trimethylbenzene	ND		1.0	0.77	ug/L			10/10/20 11:50	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/10/20 11:50	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/10/20 11:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		73 - 120		10/10/20 11:50	1
Dibromofluoromethane (Surr)	112		75 - 123		10/10/20 11:50	1
1,2-Dichloroethane-d4 (Surr)	118		77 - 120		10/10/20 11:50	1
Toluene-d8 (Surr)	99		80 - 120		10/10/20 11:50	1

Lab Sample ID: LCS 480-553336/5

Matrix: Water

Analysis Batch: 553336

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	125	142		ug/L		114	56 - 142
Acrylonitrile	250	251		ug/L		100	63 - 125
Benzene	25.0	24.7		ug/L		99	71 - 124
Bromobenzene	25.0	24.2		ug/L		97	78 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-176157-1

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

Lab Sample ID: LCS 480-553336/5

Matrix: Water

Analysis Batch: 553336

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromochloromethane	25.0	26.8		ug/L		107	72 - 130
Bromodichloromethane	25.0	26.3		ug/L		105	80 - 122
Bromoform	25.0	27.8		ug/L		111	61 - 132
Bromomethane	25.0	22.2		ug/L		89	55 - 144
2-Butanone (MEK)	125	138		ug/L		110	57 - 140
Carbon disulfide	25.0	23.6		ug/L		94	59 - 134
Carbon tetrachloride	25.0	28.0		ug/L		112	72 - 134
Chlorobenzene	25.0	24.6		ug/L		98	80 - 120
Chloroethane	25.0	22.9		ug/L		92	69 - 136
Chloroform	25.0	24.5		ug/L		98	73 - 127
Chloromethane	25.0	21.6		ug/L		86	68 - 124
2-Chlorotoluene	25.0	24.5		ug/L		98	76 - 121
4-Chlorotoluene	25.0	24.1		ug/L		96	77 - 121
cis-1,2-Dichloroethene	25.0	24.4		ug/L		98	74 - 124
cis-1,3-Dichloropropene	25.0	25.3		ug/L		101	74 - 124
Cyclohexane	25.0	25.8		ug/L		103	59 - 135
Dibromochloromethane	25.0	27.2		ug/L		109	75 - 125
1,2-Dibromo-3-Chloropropane	25.0	28.3		ug/L		113	56 - 134
1,2-Dibromoethane	25.0	25.1		ug/L		100	77 - 120
Dibromomethane	25.0	26.7		ug/L		107	76 - 127
1,2-Dichlorobenzene	25.0	25.0		ug/L		100	80 - 124
1,3-Dichlorobenzene	25.0	24.3		ug/L		97	77 - 120
1,4-Dichlorobenzene	25.0	24.9		ug/L		100	80 - 120
Dichlorodifluoromethane	25.0	22.9		ug/L		91	59 - 135
1,1-Dichloroethane	25.0	24.4		ug/L		98	77 - 120
1,2-Dichloroethane	25.0	25.2		ug/L		101	75 - 120
1,1-Dichloroethene	25.0	26.1		ug/L		104	66 - 127
1,2-Dichloropropane	25.0	24.8		ug/L		99	76 - 120
1,3-Dichloropropane	25.0	24.6		ug/L		98	75 - 120
2,2-Dichloropropane	25.0	28.9		ug/L		115	63 - 136
1,1-Dichloropropene	25.0	26.1		ug/L		104	72 - 122
Diethyl ether	25.0	24.3		ug/L		97	76 - 123
1,4-Dioxane	500	678		ug/L		136	50 - 150
Ethylbenzene	25.0	24.8		ug/L		99	77 - 123
Hexachlorobutadiene	25.0	26.0		ug/L		104	68 - 131
2-Hexanone	125	139		ug/L		111	65 - 127
Isopropylbenzene	25.0	24.7		ug/L		99	77 - 122
Methyl acetate	50.0	46.8		ug/L		94	74 - 133
Methylcyclohexane	25.0	26.6		ug/L		106	68 - 134
Methylene Chloride	25.0	23.5		ug/L		94	75 - 124
4-Methyl-2-pentanone (MIBK)	125	131		ug/L		105	71 - 125
Methyl tert-butyl ether	25.0	24.6		ug/L		98	77 - 120
m,p-Xylene	25.0	26.5		ug/L		106	76 - 122
Naphthalene	25.0	25.7		ug/L		103	66 - 125
n-Butylbenzene	25.0	26.3		ug/L		105	71 - 128
N-Propylbenzene	25.0	24.7		ug/L		99	75 - 127
o-Xylene	25.0	25.0		ug/L		100	76 - 122
p-Isopropyltoluene	25.0	25.9		ug/L		104	73 - 120
sec-Butylbenzene	25.0	25.0		ug/L		100	74 - 127

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-176157-1

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

Lab Sample ID: LCS 480-553336/5

Matrix: Water

Analysis Batch: 553336

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Styrene	25.0	25.2		ug/L		101	80 - 120
tert-Butyl alcohol (TBA)	250	325	*	ug/L		130	75 - 125
tert-Butylbenzene	25.0	25.1		ug/L		101	75 - 123
1,1,1,2-Tetrachloroethane	25.0	26.9		ug/L		108	80 - 120
1,1,2,2-Tetrachloroethane	25.0	23.2		ug/L		93	76 - 120
Tetrachloroethene	25.0	25.3		ug/L		101	74 - 122
Tetrahydrofuran	50.0	47.4		ug/L		95	62 - 132
Toluene	25.0	24.9		ug/L		100	80 - 122
trans-1,4-Dichloro-2-butene	25.0	16.7		ug/L		67	41 - 131
trans-1,2-Dichloroethene	25.0	24.3		ug/L		97	73 - 127
trans-1,3-Dichloropropene	25.0	26.3		ug/L		105	80 - 120
1,2,3-Trichlorobenzene	25.0	25.8		ug/L		103	75 - 123
1,2,4-Trichlorobenzene	25.0	25.1		ug/L		101	79 - 122
1,1,1-Trichloroethane	25.0	25.6		ug/L		102	73 - 126
1,1,2-Trichloroethane	25.0	24.7		ug/L		99	76 - 122
Trichloroethene	25.0	24.6		ug/L		98	74 - 123
Trichlorofluoromethane	25.0	27.2		ug/L		109	62 - 150
1,2,3-Trichloropropane	25.0	24.4		ug/L		98	68 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	28.1		ug/L		112	61 - 148
1,2,4-Trimethylbenzene	25.0	24.7		ug/L		99	76 - 121
1,3,5-Trimethylbenzene	25.0	25.2		ug/L		101	77 - 121
Vinyl chloride	25.0	22.1		ug/L		88	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		73 - 120
Dibromofluoromethane (Surr)	106		75 - 123
1,2-Dichloroethane-d4 (Surr)	109		77 - 120
Toluene-d8 (Surr)	105		80 - 120

Lab Sample ID: 480-176157-1 MS

Matrix: Water

Analysis Batch: 553336

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
Acetone	ND		125	140		ug/L		112	56 - 142
Acrylonitrile	ND		250	259		ug/L		104	63 - 125
Benzene	ND		25.0	28.9		ug/L		116	71 - 124
Bromobenzene	ND		25.0	26.6		ug/L		106	78 - 120
Bromochloromethane	ND		25.0	28.3		ug/L		113	72 - 130
Bromodichloromethane	ND		25.0	29.0		ug/L		116	80 - 122
Bromoform	ND		25.0	27.5		ug/L		110	61 - 132
Bromomethane	ND		25.0	26.1		ug/L		105	55 - 144
2-Butanone (MEK)	ND		125	149		ug/L		119	57 - 140
Carbon disulfide	ND		25.0	25.4		ug/L		102	59 - 134
Carbon tetrachloride	ND		25.0	33.6		ug/L		134	72 - 134
Chlorobenzene	ND		25.0	27.6		ug/L		110	80 - 120
Chloroethane	ND		25.0	26.5		ug/L		106	69 - 136
Chloroform	ND		25.0	27.0		ug/L		108	73 - 127

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-176157-1

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

Lab Sample ID: 480-176157-1 MS

Matrix: Water

Analysis Batch: 553336

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	25.0		ug/L		100	68 - 124
2-Chlorotoluene	ND		25.0	26.6		ug/L		107	76 - 121
4-Chlorotoluene	ND		25.0	27.4		ug/L		110	77 - 121
cis-1,2-Dichloroethene	ND		25.0	27.0		ug/L		108	74 - 124
cis-1,3-Dichloropropene	ND		25.0	27.4		ug/L		110	74 - 124
Cyclohexane	ND		25.0	28.5		ug/L		114	59 - 135
Dibromochloromethane	ND		25.0	28.4		ug/L		114	75 - 125
1,2-Dibromo-3-Chloropropane	ND		25.0	27.1		ug/L		108	56 - 134
1,2-Dibromoethane	ND		25.0	26.7		ug/L		107	77 - 120
Dibromomethane	ND		25.0	30.2		ug/L		121	76 - 127
1,2-Dichlorobenzene	ND		25.0	27.6		ug/L		111	80 - 124
1,3-Dichlorobenzene	ND		25.0	27.9		ug/L		112	77 - 120
1,4-Dichlorobenzene	ND		25.0	27.6		ug/L		111	78 - 124
Dichlorodifluoromethane	ND		25.0	25.0		ug/L		100	59 - 135
1,1-Dichloroethane	1.5		25.0	28.9		ug/L		110	77 - 120
1,2-Dichloroethane	ND		25.0	28.1		ug/L		112	75 - 120
1,1-Dichloroethene	1.5		25.0	30.8		ug/L		117	66 - 127
1,2-Dichloropropane	ND		25.0	28.4		ug/L		114	76 - 120
1,3-Dichloropropane	ND		25.0	26.7		ug/L		107	75 - 120
2,2-Dichloropropane	ND		25.0	29.1		ug/L		116	63 - 136
1,1-Dichloropropene	ND	F1	25.0	30.8	F1	ug/L		123	72 - 122
Diethyl ether	ND		25.0	26.1		ug/L		104	76 - 123
1,4-Dioxane	ND		500	673		ug/L		135	50 - 150
Ethylbenzene	ND		25.0	28.0		ug/L		112	77 - 123
Hexachlorobutadiene	ND		25.0	29.7		ug/L		119	68 - 131
2-Hexanone	ND		125	149		ug/L		120	65 - 127
Isopropylbenzene	ND		25.0	27.8		ug/L		111	77 - 122
Methyl acetate	ND		50.0	49.8		ug/L		100	74 - 133
Methylcyclohexane	ND		25.0	28.7		ug/L		115	68 - 134
Methylene Chloride	0.54	J B	25.0	24.7		ug/L		97	75 - 124
4-Methyl-2-pentanone (MIBK)	ND		125	135		ug/L		108	71 - 125
Methyl tert-butyl ether	ND		25.0	25.3		ug/L		101	77 - 120
m,p-Xylene	ND		25.0	29.2		ug/L		117	76 - 122
Naphthalene	ND		25.0	26.4		ug/L		106	66 - 125
n-Butylbenzene	ND		25.0	29.6		ug/L		119	71 - 128
N-Propylbenzene	ND		25.0	28.5		ug/L		114	75 - 127
o-Xylene	ND		25.0	27.2		ug/L		109	76 - 122
p-Isopropyltoluene	ND		25.0	29.3		ug/L		117	73 - 120
sec-Butylbenzene	ND		25.0	29.8		ug/L		119	74 - 127
Styrene	ND		25.0	27.8		ug/L		111	80 - 120
tert-Butyl alcohol (TBA)	ND	* F1	250	381	F1	ug/L		152	75 - 125
tert-Butylbenzene	ND		25.0	29.1		ug/L		117	75 - 123
1,1,1,2-Tetrachloroethane	ND		25.0	28.2		ug/L		113	80 - 120
1,1,2,2-Tetrachloroethane	ND		25.0	25.0		ug/L		100	76 - 120
Tetrachloroethene	ND		25.0	28.1		ug/L		112	74 - 122
Tetrahydrofuran	ND		50.0	53.6		ug/L		107	62 - 132
Toluene	ND		25.0	27.4		ug/L		110	80 - 122
trans-1,4-Dichloro-2-butene	ND		25.0	12.6		ug/L		50	41 - 131
trans-1,2-Dichloroethene	ND		25.0	28.4		ug/L		114	73 - 127

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-176157-1

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

Lab Sample ID: 480-176157-1 MS

Matrix: Water

Analysis Batch: 553336

Client Sample ID: RW-1

Prep Type: Total/NA

	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
trans-1,3-Dichloropropene	ND		25.0	26.9		ug/L		108	80 - 120		
1,2,3-Trichlorobenzene	ND		25.0	26.5		ug/L		106	75 - 123		
1,2,4-Trichlorobenzene	ND		25.0	25.4		ug/L		102	79 - 122		
1,1,1-Trichloroethane	43		25.0	71.8		ug/L		117	73 - 126		
1,1,2-Trichloroethane	ND		25.0	26.5		ug/L		106	76 - 122		
Trichloroethene	ND		25.0	29.3		ug/L		117	74 - 123		
Trichlorofluoromethane	ND		25.0	31.7		ug/L		127	62 - 150		
1,2,3-Trichloropropane	ND		25.0	26.1		ug/L		104	68 - 122		
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	29.9		ug/L		120	61 - 148		
1,2,4-Trimethylbenzene	ND		25.0	28.1		ug/L		112	76 - 121		
1,3,5-Trimethylbenzene	ND		25.0	28.8		ug/L		115	77 - 121		
Vinyl chloride	ND		25.0	25.5		ug/L		102	65 - 133		
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	103		73 - 120								
Dibromofluoromethane (Surr)	109		75 - 123								
1,2-Dichloroethane-d4 (Surr)	115		77 - 120								
Toluene-d8 (Surr)	103		80 - 120								

Lab Sample ID: 480-176157-1 MSD

Matrix: Water

Analysis Batch: 553336

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	150		ug/L		120	56 - 142	7	15
Acrylonitrile	ND		250	266		ug/L		107	63 - 125	3	20
Benzene	ND		25.0	26.5		ug/L		106	71 - 124	9	13
Bromobenzene	ND		25.0	25.6		ug/L		102	78 - 120	4	15
Bromochloromethane	ND		25.0	26.8		ug/L		107	72 - 130	6	15
Bromodichloromethane	ND		25.0	26.8		ug/L		107	80 - 122	8	15
Bromoform	ND		25.0	25.3		ug/L		101	61 - 132	8	15
Bromomethane	ND		25.0	24.2		ug/L		97	55 - 144	8	15
2-Butanone (MEK)	ND		125	145		ug/L		116	57 - 140	3	20
Carbon disulfide	ND		25.0	23.4		ug/L		94	59 - 134	8	15
Carbon tetrachloride	ND		25.0	30.1		ug/L		120	72 - 134	11	15
Chlorobenzene	ND		25.0	25.0		ug/L		100	80 - 120	10	25
Chloroethane	ND		25.0	25.8		ug/L		103	69 - 136	3	15
Chloroform	ND		25.0	25.0		ug/L		100	73 - 127	8	20
Chloromethane	ND		25.0	23.6		ug/L		94	68 - 124	6	15
2-Chlorotoluene	ND		25.0	26.6		ug/L		107	76 - 121	0	20
4-Chlorotoluene	ND		25.0	26.2		ug/L		105	77 - 121	4	15
cis-1,2-Dichloroethene	ND		25.0	25.7		ug/L		103	74 - 124	5	15
cis-1,3-Dichloropropene	ND		25.0	24.9		ug/L		100	74 - 124	10	15
Cyclohexane	ND		25.0	25.3		ug/L		101	59 - 135	12	20
Dibromochloromethane	ND		25.0	27.0		ug/L		108	75 - 125	5	15
1,2-Dibromo-3-Chloropropane	ND		25.0	30.0		ug/L		120	56 - 134	10	15
1,2-Dibromoethane	ND		25.0	25.3		ug/L		101	77 - 120	5	15
Dibromomethane	ND		25.0	28.2		ug/L		113	76 - 127	7	15

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-176157-1

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

Lab Sample ID: 480-176157-1 MSD

Matrix: Water

Analysis Batch: 553336

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
1,2-Dichlorobenzene	ND		25.0	26.7		ug/L		107	80 - 124	4	20
1,3-Dichlorobenzene	ND		25.0	26.5		ug/L		106	77 - 120	5	20
1,4-Dichlorobenzene	ND		25.0	26.0		ug/L		104	78 - 124	6	20
Dichlorodifluoromethane	ND		25.0	22.6		ug/L		91	59 - 135	10	20
1,1-Dichloroethane	1.5		25.0	27.3		ug/L		103	77 - 120	6	20
1,2-Dichloroethane	ND		25.0	26.4		ug/L		106	75 - 120	6	20
1,1-Dichloroethene	1.5		25.0	29.1		ug/L		111	66 - 127	6	16
1,2-Dichloropropane	ND		25.0	25.6		ug/L		103	76 - 120	10	20
1,3-Dichloropropane	ND		25.0	25.1		ug/L		100	75 - 120	6	20
2,2-Dichloropropane	ND		25.0	27.9		ug/L		112	63 - 136	4	20
1,1-Dichloropropene	ND	F1	25.0	27.4		ug/L		110	72 - 122	12	20
Diethyl ether	ND		25.0	25.6		ug/L		103	76 - 123	2	20
1,4-Dioxane	ND		500	731		ug/L		146	50 - 150	8	20
Ethylbenzene	ND		25.0	25.3		ug/L		101	77 - 123	10	15
Hexachlorobutadiene	ND		25.0	29.2		ug/L		117	68 - 131	2	20
2-Hexanone	ND		125	144		ug/L		115	65 - 127	4	15
Isopropylbenzene	ND		25.0	26.9		ug/L		108	77 - 122	3	20
Methyl acetate	ND		50.0	48.5		ug/L		97	74 - 133	3	20
Methylcyclohexane	ND		25.0	25.9		ug/L		104	68 - 134	10	20
Methylene Chloride	0.54	J B	25.0	23.5		ug/L		92	75 - 124	5	15
4-Methyl-2-pentanone (MIBK)	ND		125	135		ug/L		108	71 - 125	0	35
Methyl tert-butyl ether	ND		25.0	25.1		ug/L		100	77 - 120	1	37
m,p-Xylene	ND		25.0	25.9		ug/L		104	76 - 122	12	16
Naphthalene	ND		25.0	28.6		ug/L		114	66 - 125	8	20
n-Butylbenzene	ND		25.0	28.6		ug/L		114	71 - 128	4	15
N-Propylbenzene	ND		25.0	27.0		ug/L		108	75 - 127	5	15
o-Xylene	ND		25.0	25.9		ug/L		104	76 - 122	5	16
p-Isopropyltoluene	ND		25.0	28.7		ug/L		115	73 - 120	2	20
sec-Butylbenzene	ND		25.0	28.7		ug/L		115	74 - 127	4	15
Styrene	ND		25.0	25.9		ug/L		104	80 - 120	7	20
tert-Butyl alcohol (TBA)	ND	* F1	250	378	F1	ug/L		151	75 - 125	1	15
tert-Butylbenzene	ND		25.0	28.0		ug/L		112	75 - 123	4	15
1,1,1,2-Tetrachloroethane	ND		25.0	26.7		ug/L		107	80 - 120	5	20
1,1,2,2-Tetrachloroethane	ND		25.0	25.7		ug/L		103	76 - 120	3	15
Tetrachloroethene	ND		25.0	26.1		ug/L		104	74 - 122	7	20
Tetrahydrofuran	ND		50.0	52.2		ug/L		104	62 - 132	3	25
Toluene	ND		25.0	25.1		ug/L		100	80 - 122	9	15
trans-1,4-Dichloro-2-butene	ND		25.0	11.5		ug/L		46	41 - 131	9	20
trans-1,2-Dichloroethene	ND		25.0	26.1		ug/L		104	73 - 127	9	20
trans-1,3-Dichloropropene	ND		25.0	25.3		ug/L		101	80 - 120	6	15
1,2,3-Trichlorobenzene	ND		25.0	28.2		ug/L		113	75 - 123	6	20
1,2,4-Trichlorobenzene	ND		25.0	27.0		ug/L		108	79 - 122	6	20
1,1,1-Trichloroethane	43		25.0	67.8		ug/L		101	73 - 126	6	15
1,1,2-Trichloroethane	ND		25.0	24.8		ug/L		99	76 - 122	7	15
Trichloroethene	ND		25.0	25.5		ug/L		102	74 - 123	14	16
Trichlorofluoromethane	ND		25.0	31.0		ug/L		124	62 - 150	2	20
1,2,3-Trichloropropane	ND		25.0	26.6		ug/L		106	68 - 122	2	14
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	27.1		ug/L		108	61 - 148	10	20

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-176157-1

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

Lab Sample ID: 480-176157-1 MSD

Matrix: Water

Analysis Batch: 553336

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
1,2,4-Trimethylbenzene	ND		25.0	27.0		ug/L		108	76 - 121	4	20
1,3,5-Trimethylbenzene	ND		25.0	27.3		ug/L		109	77 - 121	5	20
Vinyl chloride	ND		25.0	25.2		ug/L		101	65 - 133	1	15
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	102		73 - 120								
Dibromofluoromethane (Surr)	109		75 - 123								
1,2-Dichloroethane-d4 (Surr)	112		77 - 120								
Toluene-d8 (Surr)	102		80 - 120								

QC Association Summary

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

Job ID: 480-176157-1

GC/MS VOA

Analysis Batch: 553336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-176157-1	RW-1	Total/NA	Water	8260C	
480-176157-2	RW-2	Total/NA	Water	8260C	
480-176157-3	EFFLUENT 46 Hz	Total/NA	Water	8260C	
480-176157-4	TRIP BLANK	Total/NA	Water	8260C	
MB 480-553336/7	Method Blank	Total/NA	Water	8260C	
LCS 480-553336/5	Lab Control Sample	Total/NA	Water	8260C	
480-176157-1 MS	RW-1	Total/NA	Water	8260C	
480-176157-1 MSD	RW-1	Total/NA	Water	8260C	

Lab Chronicle

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

Job ID: 480-176157-1

Client Sample ID: RW-1

Lab Sample ID: 480-176157-1

Date Collected: 10/06/20 13:00

Matrix: Water

Date Received: 10/08/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	553336	10/10/20 12:47	CRL	TAL BUF

Client Sample ID: RW-2

Lab Sample ID: 480-176157-2

Date Collected: 10/06/20 13:15

Matrix: Water

Date Received: 10/08/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	553336	10/10/20 13:10	CRL	TAL BUF

Client Sample ID: EFFLUENT 46 Hz

Lab Sample ID: 480-176157-3

Date Collected: 10/06/20 13:20

Matrix: Water

Date Received: 10/08/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	553336	10/10/20 13:34	CRL	TAL BUF

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-176157-4

Date Collected: 10/06/20 00:00

Matrix: Water

Date Received: 10/08/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	553336	10/10/20 13:58	CRL	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

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

Job ID: 480-176157-1

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260C		Water	1,3,5-Trichlorobenzene

Method Summary

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

Job ID: 480-176157-1

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: 480-176157-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-176157-1	RW-1	Water	10/06/20 13:00	10/08/20 08:00	
480-176157-2	RW-2	Water	10/06/20 13:15	10/08/20 08:00	
480-176157-3	EFFLUENT 46 Hz	Water	10/06/20 13:20	10/08/20 08:00	
480-176157-4	TRIP BLANK	Water	10/06/20 00:00	10/08/20 08:00	



CHAIN OF CUSTODY

Client: New York State Dept. of Environmental Conservation

Syracuse

PAGE 1 OF 1

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

#225

CLIENT/REPORTING INFORMATION			PROJECT INFORMATION			BILLING INFORMATION			REQUESTED ANALYSIS (see Test Code sheet)			LAB USE ONLY				
Groundwater & Environmental Services, Inc. 5 Technology Place, East Syracuse, NY 13057 GES Project Manager: Scott McDonald PM Email: SMcDonald@gesonline.com			Project Name: NYSDEC Gladding Cordage #709009 Project Address: One Gladding Road, South Otselic, NY Project PSID #: 842790			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: Chad Hill			Sampler(s) Name: Greg Ernst			number of preserved bottles										
Lab Sample #	Field ID / Point of Collection (Sys_Joc_code)	Depth Interval (ft)	Date Sampled	Time Sampled	Sampler	Matrix	Total # Bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Amber
	RW-1	NA	10/6/20	1300	CH/GE	WG	3	X								X
	RW-1 MS			1305		WG	3	X								X
	RW-1 MSD			1310		WG	3	X								X
	RW-2			1315		WG	3	X								X
	Effluent 46 Hz			1320		WG	3	X								X
	Trip Blank					WQ	2									X
10.7.20																



480-176157 Chain of Custody

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

☒ Standard 14 Days
☐ 1 day RUSH
☐ Other

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

Please Email the EQ EDD Package to ges@gesonline.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 Sampler	Date / Time	Received By	Date / Time
1. Chad Hill	10/7/20 0745	1. RE Region TA	
2. RE Region	10/7/20 1900	2. 6 Region	10/8/20 800
3.		3.	

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

2.5 JCCU

chill@gesonline.com

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-176157-1

Login Number: 176157

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Yeager, Brian A

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

ANALYTICAL REPORT

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

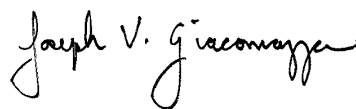
Laboratory Job ID: 480-177925-1

Client Project/Site: Gladding Corporation #709009

For:

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

Attn: Mr. Payson Long



Authorized for release by:

11/24/2020 1:51:00 PM

Joe Giacomazza, Project Manager I
joe.giacomazza@testamericainc.com

Designee for

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

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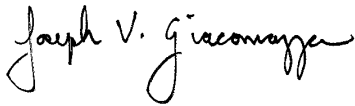
www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Joe Giacomazza
Project Manager I
11/24/2020 1:51:00 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.
Project/Site: Gladding Corporation #709009

Job ID: 480-177925-1

Qualifiers

GC/MS VOA

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

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: 480-177925-1

Job ID: 480-177925-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-177925-1

Comments

No additional comments.

Receipt

The samples were received on 11/11/2020 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 2.2° 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: 480-177925-1

Client Sample ID: RW-1

Lab Sample ID: 480-177925-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	38		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	1.3		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	1.0		1.0	0.29	ug/L	1		8260C	Total/NA

Client Sample ID: RW-2

Lab Sample ID: 480-177925-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	29		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	0.64	J	1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	0.67	J	1.0	0.29	ug/L	1		8260C	Total/NA

Client Sample ID: EFFLUENT 46 HZ

Lab Sample ID: 480-177925-3

No Detections.

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-177925-4

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-177925-1

Client Sample ID: RW-1

Lab Sample ID: 480-177925-1

Date Collected: 11/10/20 09:25

Matrix: Water

Date Received: 11/11/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	38		1.0	0.82	ug/L			11/11/20 17:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/11/20 17:10	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/11/20 17:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/11/20 17:10	1
1,1-Dichloroethane	1.3		1.0	0.38	ug/L			11/11/20 17:10	1
1,1-Dichloroethene	1.0		1.0	0.29	ug/L			11/11/20 17:10	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/11/20 17:10	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/11/20 17:10	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/11/20 17:10	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/11/20 17:10	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/11/20 17:10	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/11/20 17:10	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/11/20 17:10	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/11/20 17:10	1
2-Hexanone	ND		5.0	1.2	ug/L			11/11/20 17:10	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/11/20 17:10	1
Acetone	ND		10	3.0	ug/L			11/11/20 17:10	1
Benzene	ND		1.0	0.41	ug/L			11/11/20 17:10	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/11/20 17:10	1
Bromoform	ND		1.0	0.26	ug/L			11/11/20 17:10	1
Bromomethane	ND		1.0	0.69	ug/L			11/11/20 17:10	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/11/20 17:10	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/11/20 17:10	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/11/20 17:10	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/11/20 17:10	1
Chloroethane	ND		1.0	0.32	ug/L			11/11/20 17:10	1
Chloroform	ND		1.0	0.34	ug/L			11/11/20 17:10	1
Chloromethane	ND		1.0	0.35	ug/L			11/11/20 17:10	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/11/20 17:10	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/11/20 17:10	1
Cyclohexane	ND		1.0	0.18	ug/L			11/11/20 17:10	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/11/20 17:10	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/11/20 17:10	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/11/20 17:10	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/11/20 17:10	1
Methyl acetate	ND		2.5	1.3	ug/L			11/11/20 17:10	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/11/20 17:10	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/11/20 17:10	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/11/20 17:10	1
Styrene	ND		1.0	0.73	ug/L			11/11/20 17:10	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/11/20 17:10	1
Toluene	ND		1.0	0.51	ug/L			11/11/20 17:10	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/11/20 17:10	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/11/20 17:10	1
Trichloroethene	ND		1.0	0.46	ug/L			11/11/20 17:10	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/11/20 17:10	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/11/20 17:10	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/11/20 17:10	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-177925-1

Client Sample ID: RW-1

Lab Sample ID: 480-177925-1

Date Collected: 11/10/20 09:25

Matrix: Water

Date Received: 11/11/20 08:00

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	95		80 - 120		11/11/20 17:10	1
<i>1,2-Dichloroethane-d4 (Surr)</i>	112		77 - 120		11/11/20 17:10	1
<i>4-Bromofluorobenzene (Surr)</i>	97		73 - 120		11/11/20 17:10	1
<i>Dibromofluoromethane (Surr)</i>	102		75 - 123		11/11/20 17:10	1

Client Sample Results

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

Job ID: 480-177925-1

Client Sample ID: RW-2

Lab Sample ID: 480-177925-2

Date Collected: 11/10/20 09:40

Matrix: Water

Date Received: 11/11/20 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	29		1.0	0.82	ug/L			11/11/20 17:36	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/11/20 17:36	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/11/20 17:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/11/20 17:36	1
1,1-Dichloroethane	0.64	J	1.0	0.38	ug/L			11/11/20 17:36	1
1,1-Dichloroethene	0.67	J	1.0	0.29	ug/L			11/11/20 17:36	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/11/20 17:36	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/11/20 17:36	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/11/20 17:36	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/11/20 17:36	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/11/20 17:36	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/11/20 17:36	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/11/20 17:36	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/11/20 17:36	1
2-Hexanone	ND		5.0	1.2	ug/L			11/11/20 17:36	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/11/20 17:36	1
Acetone	ND		10	3.0	ug/L			11/11/20 17:36	1
Benzene	ND		1.0	0.41	ug/L			11/11/20 17:36	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/11/20 17:36	1
Bromoform	ND		1.0	0.26	ug/L			11/11/20 17:36	1
Bromomethane	ND		1.0	0.69	ug/L			11/11/20 17:36	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/11/20 17:36	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/11/20 17:36	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/11/20 17:36	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/11/20 17:36	1
Chloroethane	ND		1.0	0.32	ug/L			11/11/20 17:36	1
Chloroform	ND		1.0	0.34	ug/L			11/11/20 17:36	1
Chloromethane	ND		1.0	0.35	ug/L			11/11/20 17:36	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/11/20 17:36	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/11/20 17:36	1
Cyclohexane	ND		1.0	0.18	ug/L			11/11/20 17:36	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/11/20 17:36	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/11/20 17:36	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/11/20 17:36	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/11/20 17:36	1
Methyl acetate	ND		2.5	1.3	ug/L			11/11/20 17:36	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/11/20 17:36	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/11/20 17:36	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/11/20 17:36	1
Styrene	ND		1.0	0.73	ug/L			11/11/20 17:36	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/11/20 17:36	1
Toluene	ND		1.0	0.51	ug/L			11/11/20 17:36	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/11/20 17:36	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/11/20 17:36	1
Trichloroethene	ND		1.0	0.46	ug/L			11/11/20 17:36	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/11/20 17:36	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/11/20 17:36	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/11/20 17:36	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-177925-1

Client Sample ID: RW-2

Lab Sample ID: 480-177925-2

Date Collected: 11/10/20 09:40

Matrix: Water

Date Received: 11/11/20 08:00

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	93		80 - 120		11/11/20 17:36	1
<i>1,2-Dichloroethane-d4 (Surr)</i>	106		77 - 120		11/11/20 17:36	1
<i>4-Bromofluorobenzene (Surr)</i>	92		73 - 120		11/11/20 17:36	1
<i>Dibromofluoromethane (Surr)</i>	96		75 - 123		11/11/20 17:36	1

Client Sample Results

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

Job ID: 480-177925-1

Client Sample ID: EFFLUENT 46 HZ

Lab Sample ID: 480-177925-3

Date Collected: 11/10/20 09:45

Matrix: Water

Date Received: 11/11/20 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			11/11/20 18:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/11/20 18:01	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/11/20 18:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/11/20 18:01	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/11/20 18:01	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/11/20 18:01	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/11/20 18:01	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/11/20 18:01	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/11/20 18:01	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/11/20 18:01	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/11/20 18:01	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/11/20 18:01	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/11/20 18:01	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/11/20 18:01	1
2-Hexanone	ND		5.0	1.2	ug/L			11/11/20 18:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/11/20 18:01	1
Acetone	ND		10	3.0	ug/L			11/11/20 18:01	1
Benzene	ND		1.0	0.41	ug/L			11/11/20 18:01	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/11/20 18:01	1
Bromoform	ND		1.0	0.26	ug/L			11/11/20 18:01	1
Bromomethane	ND		1.0	0.69	ug/L			11/11/20 18:01	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/11/20 18:01	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/11/20 18:01	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/11/20 18:01	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/11/20 18:01	1
Chloroethane	ND		1.0	0.32	ug/L			11/11/20 18:01	1
Chloroform	ND		1.0	0.34	ug/L			11/11/20 18:01	1
Chloromethane	ND		1.0	0.35	ug/L			11/11/20 18:01	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/11/20 18:01	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/11/20 18:01	1
Cyclohexane	ND		1.0	0.18	ug/L			11/11/20 18:01	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/11/20 18:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/11/20 18:01	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/11/20 18:01	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/11/20 18:01	1
Methyl acetate	ND		2.5	1.3	ug/L			11/11/20 18:01	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/11/20 18:01	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/11/20 18:01	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/11/20 18:01	1
Styrene	ND		1.0	0.73	ug/L			11/11/20 18:01	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/11/20 18:01	1
Toluene	ND		1.0	0.51	ug/L			11/11/20 18:01	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/11/20 18:01	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/11/20 18:01	1
Trichloroethene	ND		1.0	0.46	ug/L			11/11/20 18:01	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/11/20 18:01	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/11/20 18:01	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/11/20 18:01	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-177925-1

Client Sample ID: EFFLUENT 46 HZ

Lab Sample ID: 480-177925-3

Date Collected: 11/10/20 09:45

Matrix: Water

Date Received: 11/11/20 08:00

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	95		80 - 120		11/11/20 18:01	1
<i>1,2-Dichloroethane-d4 (Surr)</i>	111		77 - 120		11/11/20 18:01	1
<i>4-Bromofluorobenzene (Surr)</i>	99		73 - 120		11/11/20 18:01	1
<i>Dibromofluoromethane (Surr)</i>	100		75 - 123		11/11/20 18:01	1

Client Sample Results

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

Job ID: 480-177925-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-177925-4

Date Collected: 11/10/20 00:00

Matrix: Water

Date Received: 11/11/20 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			11/11/20 18:26	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/11/20 18:26	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/11/20 18:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/11/20 18:26	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/11/20 18:26	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/11/20 18:26	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/11/20 18:26	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/11/20 18:26	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/11/20 18:26	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/11/20 18:26	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/11/20 18:26	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/11/20 18:26	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/11/20 18:26	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/11/20 18:26	1
2-Hexanone	ND		5.0	1.2	ug/L			11/11/20 18:26	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/11/20 18:26	1
Acetone	ND		10	3.0	ug/L			11/11/20 18:26	1
Benzene	ND		1.0	0.41	ug/L			11/11/20 18:26	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/11/20 18:26	1
Bromoform	ND		1.0	0.26	ug/L			11/11/20 18:26	1
Bromomethane	ND		1.0	0.69	ug/L			11/11/20 18:26	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/11/20 18:26	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/11/20 18:26	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/11/20 18:26	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/11/20 18:26	1
Chloroethane	ND		1.0	0.32	ug/L			11/11/20 18:26	1
Chloroform	ND		1.0	0.34	ug/L			11/11/20 18:26	1
Chloromethane	ND		1.0	0.35	ug/L			11/11/20 18:26	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/11/20 18:26	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/11/20 18:26	1
Cyclohexane	ND		1.0	0.18	ug/L			11/11/20 18:26	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/11/20 18:26	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/11/20 18:26	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/11/20 18:26	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/11/20 18:26	1
Methyl acetate	ND		2.5	1.3	ug/L			11/11/20 18:26	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/11/20 18:26	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/11/20 18:26	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/11/20 18:26	1
Styrene	ND		1.0	0.73	ug/L			11/11/20 18:26	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/11/20 18:26	1
Toluene	ND		1.0	0.51	ug/L			11/11/20 18:26	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/11/20 18:26	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/11/20 18:26	1
Trichloroethene	ND		1.0	0.46	ug/L			11/11/20 18:26	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/11/20 18:26	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/11/20 18:26	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/11/20 18:26	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-177925-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-177925-4

Date Collected: 11/10/20 00:00

Matrix: Water

Date Received: 11/11/20 08:00

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	92		80 - 120		11/11/20 18:26	1
<i>1,2-Dichloroethane-d4 (Surr)</i>	111		77 - 120		11/11/20 18:26	1
<i>4-Bromofluorobenzene (Surr)</i>	92		73 - 120		11/11/20 18:26	1
<i>Dibromofluoromethane (Surr)</i>	101		75 - 123		11/11/20 18:26	1

Surrogate Summary

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

Job ID: 480-177925-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (80-120)	DCA (77-120)	BFB (73-120)	DBFM (75-123)
480-177925-1	RW-1	95	112	97	102
480-177925-1 MS	RW-1	100	109	106	101
480-177925-1 MSD	RW-1	93	104	93	96
480-177925-2	RW-2	93	106	92	96
480-177925-3	EFFLUENT 46 HZ	95	111	99	100
480-177925-4	TRIP BLANK	92	111	92	101
LCS 480-558469/5	Lab Control Sample	96	108	101	99
MB 480-558469/9	Method Blank	98	109	102	99

Surrogate Legend

TOL = Toluene-d8 (Surr)

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

QC Sample Results

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

Job ID: 480-177925-1

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

Lab Sample ID: MB 480-558469/9

Matrix: Water

Analysis Batch: 558469

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			11/11/20 12:00	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.21	ug/L			11/11/20 12:00	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			11/11/20 12:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			11/11/20 12:00	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			11/11/20 12:00	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			11/11/20 12:00	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			11/11/20 12:00	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			11/11/20 12:00	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			11/11/20 12:00	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			11/11/20 12:00	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			11/11/20 12:00	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			11/11/20 12:00	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			11/11/20 12:00	1
2-Butanone (MEK)	ND		10	1.3	ug/L			11/11/20 12:00	1
2-Hexanone	ND		5.0	1.2	ug/L			11/11/20 12:00	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			11/11/20 12:00	1
Acetone	ND		10	3.0	ug/L			11/11/20 12:00	1
Benzene	ND		1.0	0.41	ug/L			11/11/20 12:00	1
Bromodichloromethane	ND		1.0	0.39	ug/L			11/11/20 12:00	1
Bromoform	ND		1.0	0.26	ug/L			11/11/20 12:00	1
Bromomethane	ND		1.0	0.69	ug/L			11/11/20 12:00	1
Carbon disulfide	ND		1.0	0.19	ug/L			11/11/20 12:00	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			11/11/20 12:00	1
Chlorobenzene	ND		1.0	0.75	ug/L			11/11/20 12:00	1
Dibromochloromethane	ND		1.0	0.32	ug/L			11/11/20 12:00	1
Chloroethane	ND		1.0	0.32	ug/L			11/11/20 12:00	1
Chloroform	ND		1.0	0.34	ug/L			11/11/20 12:00	1
Chloromethane	ND		1.0	0.35	ug/L			11/11/20 12:00	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			11/11/20 12:00	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			11/11/20 12:00	1
Cyclohexane	ND		1.0	0.18	ug/L			11/11/20 12:00	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			11/11/20 12:00	1
Ethylbenzene	ND		1.0	0.74	ug/L			11/11/20 12:00	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			11/11/20 12:00	1
Isopropylbenzene	ND		1.0	0.79	ug/L			11/11/20 12:00	1
Methyl acetate	ND		2.5	1.3	ug/L			11/11/20 12:00	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/11/20 12:00	1
Methylcyclohexane	ND		1.0	0.16	ug/L			11/11/20 12:00	1
Methylene Chloride	ND		1.0	0.44	ug/L			11/11/20 12:00	1
Styrene	ND		1.0	0.73	ug/L			11/11/20 12:00	1
Tetrachloroethene	ND		1.0	0.36	ug/L			11/11/20 12:00	1
Toluene	ND		1.0	0.51	ug/L			11/11/20 12:00	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			11/11/20 12:00	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			11/11/20 12:00	1
Trichloroethene	ND		1.0	0.46	ug/L			11/11/20 12:00	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			11/11/20 12:00	1
Vinyl chloride	ND		1.0	0.90	ug/L			11/11/20 12:00	1
Xylenes, Total	ND		2.0	0.66	ug/L			11/11/20 12:00	1

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-177925-1

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

Lab Sample ID: MB 480-558469/9

Matrix: Water

Analysis Batch: 558469

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		80 - 120		11/11/20 12:00	1
1,2-Dichloroethane-d4 (Surr)	109		77 - 120		11/11/20 12:00	1
4-Bromofluorobenzene (Surr)	102		73 - 120		11/11/20 12:00	1
Dibromofluoromethane (Surr)	99		75 - 123		11/11/20 12:00	1

Lab Sample ID: LCS 480-558469/5

Matrix: Water

Analysis Batch: 558469

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	23.8		ug/L		95	73 - 126
1,1,1,2,2-Tetrachloroethane	25.0	23.0		ug/L		92	76 - 120
1,1,1,2-Trichloroethane	25.0	23.5		ug/L		94	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	21.0		ug/L		84	61 - 148
1,1-Dichloroethane	25.0	23.4		ug/L		93	77 - 120
1,1-Dichloroethene	25.0	21.0		ug/L		84	66 - 127
1,2,4-Trichlorobenzene	25.0	23.4		ug/L		94	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	27.9		ug/L		111	56 - 134
1,2-Dichlorobenzene	25.0	23.0		ug/L		92	80 - 124
1,2-Dichloroethane	25.0	26.1		ug/L		104	75 - 120
1,2-Dichloropropane	25.0	23.2		ug/L		93	76 - 120
1,3-Dichlorobenzene	25.0	22.7		ug/L		91	77 - 120
1,4-Dichlorobenzene	25.0	22.3		ug/L		89	80 - 120
2-Butanone (MEK)	125	135		ug/L		108	57 - 140
2-Hexanone	125	136		ug/L		109	65 - 127
4-Methyl-2-pentanone (MIBK)	125	134		ug/L		107	71 - 125
Acetone	125	133		ug/L		106	56 - 142
Benzene	25.0	23.3		ug/L		93	71 - 124
Bromodichloromethane	25.0	25.9		ug/L		104	80 - 122
Bromoform	25.0	26.3		ug/L		105	61 - 132
Bromomethane	25.0	18.4		ug/L		74	55 - 144
Carbon disulfide	25.0	21.3		ug/L		85	59 - 134
Carbon tetrachloride	25.0	24.0		ug/L		96	72 - 134
Chlorobenzene	25.0	22.8		ug/L		91	80 - 120
Dibromochloromethane	25.0	25.8		ug/L		103	75 - 125
Chloroethane	25.0	21.7		ug/L		87	69 - 136
Chloroform	25.0	22.9		ug/L		92	73 - 127
Chloromethane	25.0	24.2		ug/L		97	68 - 124
cis-1,2-Dichloroethene	25.0	22.7		ug/L		91	74 - 124
cis-1,3-Dichloropropene	25.0	25.7		ug/L		103	74 - 124
Cyclohexane	25.0	21.8		ug/L		87	59 - 135
Dichlorodifluoromethane	25.0	23.1		ug/L		92	59 - 135
Ethylbenzene	25.0	22.4		ug/L		90	77 - 123
1,2-Dibromoethane	25.0	23.6		ug/L		94	77 - 120
Isopropylbenzene	25.0	22.4		ug/L		90	77 - 122
Methyl acetate	50.0	50.5		ug/L		101	74 - 133
Methyl tert-butyl ether	25.0	25.6		ug/L		103	77 - 120
Methylcyclohexane	25.0	21.2		ug/L		85	68 - 134

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-177925-1

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

Lab Sample ID: LCS 480-558469/5

Matrix: Water

Analysis Batch: 558469

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	20.4		ug/L		81	75 - 124
Styrene	25.0	24.1		ug/L		96	80 - 120
Tetrachloroethene	25.0	20.9		ug/L		84	74 - 122
Toluene	25.0	22.3		ug/L		89	80 - 122
trans-1,2-Dichloroethene	25.0	22.4		ug/L		90	73 - 127
trans-1,3-Dichloropropene	25.0	25.8		ug/L		103	80 - 120
Trichloroethene	25.0	23.1		ug/L		93	74 - 123
Trichlorofluoromethane	25.0	23.7		ug/L		95	62 - 150
Vinyl chloride	25.0	21.9		ug/L		87	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	96		80 - 120
1,2-Dichloroethane-d4 (Surr)	108		77 - 120
4-Bromofluorobenzene (Surr)	101		73 - 120
Dibromofluoromethane (Surr)	99		75 - 123

Lab Sample ID: 480-177925-1 MS

Matrix: Water

Analysis Batch: 558469

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	38		25.0	64.3		ug/L		104	73 - 126
1,1,2,2-Tetrachloroethane	ND		25.0	23.7		ug/L		95	76 - 120
1,1,2-Trichloroethane	ND		25.0	25.9		ug/L		104	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	22.6		ug/L		91	61 - 148
1,1-Dichloroethane	1.3		25.0	28.4		ug/L		108	77 - 120
1,1-Dichloroethene	1.0		25.0	26.2		ug/L		101	66 - 127
1,2,4-Trichlorobenzene	ND		25.0	25.0		ug/L		100	79 - 122
1,2-Dibromo-3-Chloropropane	ND		25.0	28.7		ug/L		115	56 - 134
1,2-Dichlorobenzene	ND		25.0	24.3		ug/L		97	80 - 124
1,2-Dichloroethane	ND		25.0	29.0		ug/L		116	75 - 120
1,2-Dichloropropane	ND		25.0	25.9		ug/L		103	76 - 120
1,3-Dichlorobenzene	ND		25.0	24.6		ug/L		99	77 - 120
1,4-Dichlorobenzene	ND		25.0	23.8		ug/L		95	78 - 124
2-Butanone (MEK)	ND		125	137		ug/L		110	57 - 140
2-Hexanone	ND		125	140		ug/L		112	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		125	140		ug/L		112	71 - 125
Acetone	ND		125	125		ug/L		100	56 - 142
Benzene	ND		25.0	26.6		ug/L		106	71 - 124
Bromodichloromethane	ND		25.0	28.5		ug/L		114	80 - 122
Bromoform	ND		25.0	27.2		ug/L		109	61 - 132
Bromomethane	ND		25.0	21.5		ug/L		86	55 - 144
Carbon disulfide	ND		25.0	24.0		ug/L		96	59 - 134
Carbon tetrachloride	ND		25.0	28.3		ug/L		113	72 - 134
Chlorobenzene	ND		25.0	25.4		ug/L		101	80 - 120
Dibromochloromethane	ND		25.0	28.0		ug/L		112	75 - 125
Chloroethane	ND		25.0	25.1		ug/L		100	69 - 136
Chloroform	ND		25.0	25.4		ug/L		102	73 - 127

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-177925-1

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

Lab Sample ID: 480-177925-1 MS

Matrix: Water

Analysis Batch: 558469

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	28.3		ug/L		113	68 - 124
cis-1,2-Dichloroethene	ND		25.0	25.8		ug/L		103	74 - 124
cis-1,3-Dichloropropene	ND		25.0	27.3		ug/L		109	74 - 124
Cyclohexane	ND		25.0	23.8		ug/L		95	59 - 135
Dichlorodifluoromethane	ND		25.0	23.4		ug/L		94	59 - 135
Ethylbenzene	ND		25.0	25.6		ug/L		102	77 - 123
1,2-Dibromoethane	ND		25.0	25.1		ug/L		100	77 - 120
Isopropylbenzene	ND		25.0	25.4		ug/L		102	77 - 122
Methyl acetate	ND		50.0	52.2		ug/L		104	74 - 133
Methyl tert-butyl ether	ND		25.0	27.2		ug/L		109	77 - 120
Methylcyclohexane	ND		25.0	22.7		ug/L		91	68 - 134
Methylene Chloride	ND		25.0	23.3		ug/L		93	75 - 124
Styrene	ND		25.0	26.3		ug/L		105	80 - 120
Tetrachloroethene	ND		25.0	24.8		ug/L		99	74 - 122
Toluene	ND		25.0	25.9		ug/L		104	80 - 122
trans-1,2-Dichloroethene	ND		25.0	26.0		ug/L		104	73 - 127
trans-1,3-Dichloropropene	ND		25.0	27.9		ug/L		112	80 - 120
Trichloroethene	ND		25.0	26.2		ug/L		105	74 - 123
Trichlorofluoromethane	ND		25.0	27.3		ug/L		109	62 - 150
Vinyl chloride	ND		25.0	26.6		ug/L		106	65 - 133

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	100		80 - 120
1,2-Dichloroethane-d4 (Surr)	109		77 - 120
4-Bromofluorobenzene (Surr)	106		73 - 120
Dibromofluoromethane (Surr)	101		75 - 123

Lab Sample ID: 480-177925-1 MSD

Matrix: Water

Analysis Batch: 558469

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	38		25.0	63.8		ug/L		101	73 - 126	1	15
1,1,2,2-Tetrachloroethane	ND		25.0	23.6		ug/L		95	76 - 120	0	15
1,1,2-Trichloroethane	ND		25.0	24.3		ug/L		97	76 - 122	6	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	23.0		ug/L		92	61 - 148	1	20
1,1-Dichloroethane	1.3		25.0	27.7		ug/L		106	77 - 120	2	20
1,1-Dichloroethene	1.0		25.0	25.9		ug/L		99	66 - 127	1	16
1,2,4-Trichlorobenzene	ND		25.0	25.2		ug/L		101	79 - 122	1	20
1,2-Dibromo-3-Chloropropane	ND		25.0	27.5		ug/L		110	56 - 134	4	15
1,2-Dichlorobenzene	ND		25.0	24.7		ug/L		99	80 - 124	2	20
1,2-Dichloroethane	ND		25.0	28.0		ug/L		112	75 - 120	4	20
1,2-Dichloropropane	ND		25.0	25.0		ug/L		100	76 - 120	3	20
1,3-Dichlorobenzene	ND		25.0	24.6		ug/L		98	77 - 120	0	20
1,4-Dichlorobenzene	ND		25.0	24.0		ug/L		96	78 - 124	1	20
2-Butanone (MEK)	ND		125	129		ug/L		103	57 - 140	6	20
2-Hexanone	ND		125	133		ug/L		106	65 - 127	5	15
4-Methyl-2-pentanone (MIBK)	ND		125	133		ug/L		107	71 - 125	5	35

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-177925-1

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

Lab Sample ID: 480-177925-1 MSD

Matrix: Water

Analysis Batch: 558469

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	121		ug/L		97	56 - 142	3	15
Benzene	ND		25.0	26.1		ug/L		104	71 - 124	2	13
Bromodichloromethane	ND		25.0	27.7		ug/L		111	80 - 122	3	15
Bromoform	ND		25.0	26.4		ug/L		106	61 - 132	3	15
Bromomethane	ND		25.0	21.8		ug/L		87	55 - 144	1	15
Carbon disulfide	ND		25.0	23.6		ug/L		94	59 - 134	2	15
Carbon tetrachloride	ND		25.0	27.5		ug/L		110	72 - 134	3	15
Chlorobenzene	ND		25.0	24.7		ug/L		99	80 - 120	2	25
Dibromochloromethane	ND		25.0	27.3		ug/L		109	75 - 125	3	15
Chloroethane	ND		25.0	25.1		ug/L		100	69 - 136	0	15
Chloroform	ND		25.0	25.0		ug/L		100	73 - 127	2	20
Chloromethane	ND		25.0	28.6		ug/L		115	68 - 124	1	15
cis-1,2-Dichloroethene	ND		25.0	25.4		ug/L		102	74 - 124	2	15
cis-1,3-Dichloropropene	ND		25.0	26.6		ug/L		106	74 - 124	3	15
Cyclohexane	ND		25.0	24.3		ug/L		97	59 - 135	2	20
Dichlorodifluoromethane	ND		25.0	25.5		ug/L		102	59 - 135	9	20
Ethylbenzene	ND		25.0	25.1		ug/L		100	77 - 123	2	15
1,2-Dibromoethane	ND		25.0	24.6		ug/L		98	77 - 120	2	15
Isopropylbenzene	ND		25.0	25.9		ug/L		104	77 - 122	2	20
Methyl acetate	ND		50.0	49.6		ug/L		99	74 - 133	5	20
Methyl tert-butyl ether	ND		25.0	26.6		ug/L		106	77 - 120	2	37
Methylcyclohexane	ND		25.0	22.9		ug/L		92	68 - 134	1	20
Methylene Chloride	ND		25.0	22.5		ug/L		90	75 - 124	4	15
Styrene	ND		25.0	25.6		ug/L		103	80 - 120	3	20
Tetrachloroethene	ND		25.0	24.3		ug/L		97	74 - 122	2	20
Toluene	ND		25.0	25.1		ug/L		100	80 - 122	3	15
trans-1,2-Dichloroethene	ND		25.0	25.4		ug/L		102	73 - 127	2	20
trans-1,3-Dichloropropene	ND		25.0	27.2		ug/L		109	80 - 120	3	15
Trichloroethene	ND		25.0	25.9		ug/L		104	74 - 123	1	16
Trichlorofluoromethane	ND		25.0	28.3		ug/L		113	62 - 150	4	20
Vinyl chloride	ND		25.0	27.2		ug/L		109	65 - 133	2	15

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr)	93		80 - 120
1,2-Dichloroethane-d4 (Surr)	104		77 - 120
4-Bromofluorobenzene (Surr)	93		73 - 120
Dibromofluoromethane (Surr)	96		75 - 123

QC Association Summary

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

Job ID: 480-177925-1

GC/MS VOA

Analysis Batch: 558469

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177925-1	RW-1	Total/NA	Water	8260C	
480-177925-2	RW-2	Total/NA	Water	8260C	
480-177925-3	EFFLUENT 46 HZ	Total/NA	Water	8260C	
480-177925-4	TRIP BLANK	Total/NA	Water	8260C	
MB 480-558469/9	Method Blank	Total/NA	Water	8260C	
LCS 480-558469/5	Lab Control Sample	Total/NA	Water	8260C	
480-177925-1 MS	RW-1	Total/NA	Water	8260C	
480-177925-1 MSD	RW-1	Total/NA	Water	8260C	

Lab Chronicle

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

Job ID: 480-177925-1

Client Sample ID: RW-1

Lab Sample ID: 480-177925-1

Date Collected: 11/10/20 09:25

Matrix: Water

Date Received: 11/11/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	558469	11/11/20 17:10	WJD	TAL BUF

Client Sample ID: RW-2

Lab Sample ID: 480-177925-2

Date Collected: 11/10/20 09:40

Matrix: Water

Date Received: 11/11/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	558469	11/11/20 17:36	WJD	TAL BUF

Client Sample ID: EFFLUENT 46 HZ

Lab Sample ID: 480-177925-3

Date Collected: 11/10/20 09:45

Matrix: Water

Date Received: 11/11/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	558469	11/11/20 18:01	WJD	TAL BUF

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-177925-4

Date Collected: 11/10/20 00:00

Matrix: Water

Date Received: 11/11/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	558469	11/11/20 18:26	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: 480-177925-1

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

1

2

3

4

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15

Method Summary

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

Job ID: 480-177925-1

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: 480-177925-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-177925-1	RW-1	Water	11/10/20 09:25	11/11/20 08:00	
480-177925-2	RW-2	Water	11/10/20 09:40	11/11/20 08:00	
480-177925-3	EFFLUENT 46 HZ	Water	11/10/20 09:45	11/11/20 08:00	
480-177925-4	TRIP BLANK	Water	11/10/20 00:00	11/11/20 08:00	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-177925-1

Login Number: 177925

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Yeager, Brian A

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.2 #1 ICe
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	GES
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

ANALYTICAL REPORT

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

Laboratory Job ID: 480-179136-1

Client Project/Site: Gladding Corporation #709009

For:

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

Attn: Mr. Payson Long



Authorized for release by:
12/15/2020 11:44:03 AM

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

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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
12/15/2020 11:44:03 AM

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	24
Lab Chronicle	25
Certification Summary	26
Method Summary	27
Sample Summary	28
Chain of Custody	29
Receipt Checklists	30



Definitions/Glossary

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

Job ID: 480-179136-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
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

Case Narrative

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

Job ID: 480-179136-1

Job ID: 480-179136-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-179136-1

Receipt

The samples were received on 12/9/2020 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 3.0° 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: 480-179136-1

Client Sample ID: RW-1

Lab Sample ID: 480-179136-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	40	F1	1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	1.5		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	0.56	J	1.0	0.29	ug/L	1		8260C	Total/NA

Client Sample ID: RW-2

Lab Sample ID: 480-179136-2

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	0.61	J	1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	0.53	J	1.0	0.29	ug/L	1		8260C	Total/NA

Client Sample ID: EFFLUENT 46 Hz

Lab Sample ID: 480-179136-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	13		10	3.0	ug/L	1		8260C	Total/NA

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-179136-4

No Detections.

Client Sample Results

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

Job ID: 480-179136-1

Client Sample ID: RW-1

Lab Sample ID: 480-179136-1

Date Collected: 12/08/20 10:00

Matrix: Water

Date Received: 12/09/20 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	40	F1	1.0	0.82	ug/L			12/09/20 13:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/09/20 13:51	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/09/20 13:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/09/20 13:51	1
1,1-Dichloroethane	1.5		1.0	0.38	ug/L			12/09/20 13:51	1
1,1-Dichloroethene	0.56	J	1.0	0.29	ug/L			12/09/20 13:51	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/09/20 13:51	1
1,2-Dibromo-3-Chloropropane	ND	F1	1.0	0.39	ug/L			12/09/20 13:51	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/09/20 13:51	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/09/20 13:51	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/09/20 13:51	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/09/20 13:51	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/09/20 13:51	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/09/20 13:51	1
2-Hexanone	ND		5.0	1.2	ug/L			12/09/20 13:51	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/09/20 13:51	1
Acetone	ND	F2	10	3.0	ug/L			12/09/20 13:51	1
Benzene	ND		1.0	0.41	ug/L			12/09/20 13:51	1
Bromodichloromethane	ND	F1	1.0	0.39	ug/L			12/09/20 13:51	1
Bromoform	ND		1.0	0.26	ug/L			12/09/20 13:51	1
Bromomethane	ND		1.0	0.69	ug/L			12/09/20 13:51	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/09/20 13:51	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/09/20 13:51	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/09/20 13:51	1
Dibromochloromethane	ND	F1	1.0	0.32	ug/L			12/09/20 13:51	1
Chloroethane	ND		1.0	0.32	ug/L			12/09/20 13:51	1
Chloroform	ND		1.0	0.34	ug/L			12/09/20 13:51	1
Chloromethane	ND		1.0	0.35	ug/L			12/09/20 13:51	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/09/20 13:51	1
cis-1,3-Dichloropropene	ND	F2	1.0	0.36	ug/L			12/09/20 13:51	1
Cyclohexane	ND		1.0	0.18	ug/L			12/09/20 13:51	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/09/20 13:51	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/09/20 13:51	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/09/20 13:51	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/09/20 13:51	1
Methyl acetate	ND	F2	2.5	1.3	ug/L			12/09/20 13:51	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/09/20 13:51	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/09/20 13:51	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/09/20 13:51	1
Styrene	ND		1.0	0.73	ug/L			12/09/20 13:51	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/09/20 13:51	1
Toluene	ND		1.0	0.51	ug/L			12/09/20 13:51	1
trans-1,2-Dichloroethene	ND	F1	1.0	0.90	ug/L			12/09/20 13:51	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/09/20 13:51	1
Trichloroethene	ND		1.0	0.46	ug/L			12/09/20 13:51	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/09/20 13:51	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/09/20 13:51	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/09/20 13:51	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-179136-1

Client Sample ID: RW-1

Lab Sample ID: 480-179136-1

Date Collected: 12/08/20 10:00

Matrix: Water

Date Received: 12/09/20 08:00

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	99		80 - 120		12/09/20 13:51	1
<i>1,2-Dichloroethane-d4 (Surr)</i>	104		77 - 120		12/09/20 13:51	1
<i>4-Bromofluorobenzene (Surr)</i>	97		73 - 120		12/09/20 13:51	1
<i>Dibromofluoromethane (Surr)</i>	107		75 - 123		12/09/20 13:51	1

Client Sample Results

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

Job ID: 480-179136-1

Client Sample ID: RW-2

Lab Sample ID: 480-179136-2

Date Collected: 12/08/20 10:05

Matrix: Water

Date Received: 12/09/20 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	30		1.0	0.82	ug/L			12/09/20 14:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/09/20 14:16	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/09/20 14:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/09/20 14:16	1
1,1-Dichloroethane	0.61	J	1.0	0.38	ug/L			12/09/20 14:16	1
1,1-Dichloroethene	0.53	J	1.0	0.29	ug/L			12/09/20 14:16	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/09/20 14:16	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/09/20 14:16	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/09/20 14:16	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/09/20 14:16	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/09/20 14:16	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/09/20 14:16	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/09/20 14:16	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/09/20 14:16	1
2-Hexanone	ND		5.0	1.2	ug/L			12/09/20 14:16	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/09/20 14:16	1
Acetone	ND		10	3.0	ug/L			12/09/20 14:16	1
Benzene	ND		1.0	0.41	ug/L			12/09/20 14:16	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/09/20 14:16	1
Bromoform	ND		1.0	0.26	ug/L			12/09/20 14:16	1
Bromomethane	ND		1.0	0.69	ug/L			12/09/20 14:16	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/09/20 14:16	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/09/20 14:16	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/09/20 14:16	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/09/20 14:16	1
Chloroethane	ND		1.0	0.32	ug/L			12/09/20 14:16	1
Chloroform	ND		1.0	0.34	ug/L			12/09/20 14:16	1
Chloromethane	ND		1.0	0.35	ug/L			12/09/20 14:16	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/09/20 14:16	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/09/20 14:16	1
Cyclohexane	ND		1.0	0.18	ug/L			12/09/20 14:16	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/09/20 14:16	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/09/20 14:16	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/09/20 14:16	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/09/20 14:16	1
Methyl acetate	ND		2.5	1.3	ug/L			12/09/20 14:16	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/09/20 14:16	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/09/20 14:16	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/09/20 14:16	1
Styrene	ND		1.0	0.73	ug/L			12/09/20 14:16	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/09/20 14:16	1
Toluene	ND		1.0	0.51	ug/L			12/09/20 14:16	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/09/20 14:16	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/09/20 14:16	1
Trichloroethene	ND		1.0	0.46	ug/L			12/09/20 14:16	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/09/20 14:16	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/09/20 14:16	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/09/20 14:16	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-179136-1

Client Sample ID: RW-2

Lab Sample ID: 480-179136-2

Date Collected: 12/08/20 10:05

Matrix: Water

Date Received: 12/09/20 08:00

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	99		80 - 120		12/09/20 14:16	1
<i>1,2-Dichloroethane-d4 (Surr)</i>	101		77 - 120		12/09/20 14:16	1
<i>4-Bromofluorobenzene (Surr)</i>	98		73 - 120		12/09/20 14:16	1
<i>Dibromofluoromethane (Surr)</i>	105		75 - 123		12/09/20 14:16	1

Client Sample Results

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

Job ID: 480-179136-1

Client Sample ID: EFFLUENT 46 Hz

Lab Sample ID: 480-179136-3

Date Collected: 12/08/20 10:10

Matrix: Water

Date Received: 12/09/20 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			12/09/20 14:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/09/20 14:40	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/09/20 14:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/09/20 14:40	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/09/20 14:40	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/09/20 14:40	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/09/20 14:40	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/09/20 14:40	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/09/20 14:40	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/09/20 14:40	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/09/20 14:40	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/09/20 14:40	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/09/20 14:40	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/09/20 14:40	1
2-Hexanone	ND		5.0	1.2	ug/L			12/09/20 14:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/09/20 14:40	1
Acetone	13		10	3.0	ug/L			12/09/20 14:40	1
Benzene	ND		1.0	0.41	ug/L			12/09/20 14:40	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/09/20 14:40	1
Bromoform	ND		1.0	0.26	ug/L			12/09/20 14:40	1
Bromomethane	ND		1.0	0.69	ug/L			12/09/20 14:40	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/09/20 14:40	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/09/20 14:40	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/09/20 14:40	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/09/20 14:40	1
Chloroethane	ND		1.0	0.32	ug/L			12/09/20 14:40	1
Chloroform	ND		1.0	0.34	ug/L			12/09/20 14:40	1
Chloromethane	ND		1.0	0.35	ug/L			12/09/20 14:40	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/09/20 14:40	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/09/20 14:40	1
Cyclohexane	ND		1.0	0.18	ug/L			12/09/20 14:40	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/09/20 14:40	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/09/20 14:40	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/09/20 14:40	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/09/20 14:40	1
Methyl acetate	ND		2.5	1.3	ug/L			12/09/20 14:40	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/09/20 14:40	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/09/20 14:40	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/09/20 14:40	1
Styrene	ND		1.0	0.73	ug/L			12/09/20 14:40	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/09/20 14:40	1
Toluene	ND		1.0	0.51	ug/L			12/09/20 14:40	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/09/20 14:40	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/09/20 14:40	1
Trichloroethene	ND		1.0	0.46	ug/L			12/09/20 14:40	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/09/20 14:40	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/09/20 14:40	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/09/20 14:40	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-179136-1

Client Sample ID: EFFLUENT 46 Hz

Lab Sample ID: 480-179136-3

Date Collected: 12/08/20 10:10

Matrix: Water

Date Received: 12/09/20 08:00

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	99		80 - 120		12/09/20 14:40	1
<i>1,2-Dichloroethane-d4 (Surr)</i>	101		77 - 120		12/09/20 14:40	1
<i>4-Bromofluorobenzene (Surr)</i>	100		73 - 120		12/09/20 14:40	1
<i>Dibromofluoromethane (Surr)</i>	104		75 - 123		12/09/20 14:40	1

Client Sample Results

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

Job ID: 480-179136-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-179136-4

Date Collected: 12/08/20 13:30

Matrix: Water

Date Received: 12/09/20 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			12/09/20 15:04	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/09/20 15:04	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/09/20 15:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/09/20 15:04	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/09/20 15:04	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/09/20 15:04	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/09/20 15:04	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/09/20 15:04	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/09/20 15:04	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/09/20 15:04	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/09/20 15:04	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/09/20 15:04	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/09/20 15:04	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/09/20 15:04	1
2-Hexanone	ND		5.0	1.2	ug/L			12/09/20 15:04	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/09/20 15:04	1
Acetone	ND		10	3.0	ug/L			12/09/20 15:04	1
Benzene	ND		1.0	0.41	ug/L			12/09/20 15:04	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/09/20 15:04	1
Bromoform	ND		1.0	0.26	ug/L			12/09/20 15:04	1
Bromomethane	ND		1.0	0.69	ug/L			12/09/20 15:04	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/09/20 15:04	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/09/20 15:04	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/09/20 15:04	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/09/20 15:04	1
Chloroethane	ND		1.0	0.32	ug/L			12/09/20 15:04	1
Chloroform	ND		1.0	0.34	ug/L			12/09/20 15:04	1
Chloromethane	ND		1.0	0.35	ug/L			12/09/20 15:04	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/09/20 15:04	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/09/20 15:04	1
Cyclohexane	ND		1.0	0.18	ug/L			12/09/20 15:04	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/09/20 15:04	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/09/20 15:04	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/09/20 15:04	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/09/20 15:04	1
Methyl acetate	ND		2.5	1.3	ug/L			12/09/20 15:04	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/09/20 15:04	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/09/20 15:04	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/09/20 15:04	1
Styrene	ND		1.0	0.73	ug/L			12/09/20 15:04	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/09/20 15:04	1
Toluene	ND		1.0	0.51	ug/L			12/09/20 15:04	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/09/20 15:04	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/09/20 15:04	1
Trichloroethene	ND		1.0	0.46	ug/L			12/09/20 15:04	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/09/20 15:04	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/09/20 15:04	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/09/20 15:04	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-179136-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-179136-4

Date Collected: 12/08/20 13:30

Matrix: Water

Date Received: 12/09/20 08:00

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Toluene-d8 (Surr)</i>	100		80 - 120		12/09/20 15:04	1
<i>1,2-Dichloroethane-d4 (Surr)</i>	103		77 - 120		12/09/20 15:04	1
<i>4-Bromofluorobenzene (Surr)</i>	97		73 - 120		12/09/20 15:04	1
<i>Dibromofluoromethane (Surr)</i>	105		75 - 123		12/09/20 15:04	1

Surrogate Summary

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

Job ID: 480-179136-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (80-120)	DCA (77-120)	BFB (73-120)	DBFM (75-123)
480-179136-1	RW-1	99	104	97	107
480-179136-1 MS	RW-1	101	104	103	100
480-179136-1 MSD	RW-1	101	111	107	103
480-179136-2	RW-2	99	101	98	105
480-179136-3	EFFLUENT 46 Hz	99	101	100	104
480-179136-4	TRIP BLANK	100	103	97	105
LCS 480-562474/5	Lab Control Sample	101	100	105	94
LCS 480-562641/5	Lab Control Sample	100	103	106	96
MB 480-562474/7	Method Blank	98	104	100	104
MB 480-562641/7	Method Blank	99	100	99	104

Surrogate Legend

TOL = Toluene-d8 (Surr)

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

QC Sample Results

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

Job ID: 480-179136-1

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

Lab Sample ID: MB 480-562474/7

Matrix: Water

Analysis Batch: 562474

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			12/09/20 11:43	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/09/20 11:43	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/09/20 11:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/09/20 11:43	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/09/20 11:43	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/09/20 11:43	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/09/20 11:43	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/09/20 11:43	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/09/20 11:43	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/09/20 11:43	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/09/20 11:43	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/09/20 11:43	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/09/20 11:43	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/09/20 11:43	1
2-Hexanone	ND		5.0	1.2	ug/L			12/09/20 11:43	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/09/20 11:43	1
Acetone	ND		10	3.0	ug/L			12/09/20 11:43	1
Benzene	ND		1.0	0.41	ug/L			12/09/20 11:43	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/09/20 11:43	1
Bromoform	ND		1.0	0.26	ug/L			12/09/20 11:43	1
Bromomethane	ND		1.0	0.69	ug/L			12/09/20 11:43	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/09/20 11:43	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/09/20 11:43	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/09/20 11:43	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/09/20 11:43	1
Chloroethane	ND		1.0	0.32	ug/L			12/09/20 11:43	1
Chloroform	ND		1.0	0.34	ug/L			12/09/20 11:43	1
Chloromethane	ND		1.0	0.35	ug/L			12/09/20 11:43	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/09/20 11:43	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/09/20 11:43	1
Cyclohexane	ND		1.0	0.18	ug/L			12/09/20 11:43	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/09/20 11:43	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/09/20 11:43	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/09/20 11:43	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/09/20 11:43	1
Methyl acetate	ND		2.5	1.3	ug/L			12/09/20 11:43	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/09/20 11:43	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/09/20 11:43	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/09/20 11:43	1
Styrene	ND		1.0	0.73	ug/L			12/09/20 11:43	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/09/20 11:43	1
Toluene	ND		1.0	0.51	ug/L			12/09/20 11:43	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/09/20 11:43	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/09/20 11:43	1
Trichloroethene	ND		1.0	0.46	ug/L			12/09/20 11:43	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/09/20 11:43	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/09/20 11:43	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/09/20 11:43	1

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-179136-1

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

Lab Sample ID: MB 480-562474/7

Matrix: Water

Analysis Batch: 562474

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		80 - 120		12/09/20 11:43	1
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		12/09/20 11:43	1
4-Bromofluorobenzene (Surr)	100		73 - 120		12/09/20 11:43	1
Dibromofluoromethane (Surr)	104		75 - 123		12/09/20 11:43	1

Lab Sample ID: LCS 480-562474/5

Matrix: Water

Analysis Batch: 562474

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	25.8		ug/L		103	73 - 126
1,1,2,2-Tetrachloroethane	25.0	25.3		ug/L		101	76 - 120
1,1,2-Trichloroethane	25.0	26.1		ug/L		104	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	22.1		ug/L		88	61 - 148
1,1-Dichloroethane	25.0	24.8		ug/L		99	77 - 120
1,1-Dichloroethene	25.0	22.7		ug/L		91	66 - 127
1,2,4-Trichlorobenzene	25.0	24.4		ug/L		97	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	31.4		ug/L		126	56 - 134
1,2-Dichlorobenzene	25.0	25.1		ug/L		101	80 - 124
1,2-Dichloroethane	25.0	22.9		ug/L		92	75 - 120
1,2-Dichloropropane	25.0	24.9		ug/L		99	76 - 120
1,3-Dichlorobenzene	25.0	25.4		ug/L		102	77 - 120
1,4-Dichlorobenzene	25.0	24.0		ug/L		96	80 - 120
2-Butanone (MEK)	125	127		ug/L		102	57 - 140
2-Hexanone	125	141		ug/L		113	65 - 127
4-Methyl-2-pentanone (MIBK)	125	137		ug/L		110	71 - 125
Acetone	125	117		ug/L		94	56 - 142
Benzene	25.0	24.0		ug/L		96	71 - 124
Bromodichloromethane	25.0	27.3		ug/L		109	80 - 122
Bromoform	25.0	30.5		ug/L		122	61 - 132
Bromomethane	25.0	22.5		ug/L		90	55 - 144
Carbon disulfide	25.0	24.1		ug/L		96	59 - 134
Carbon tetrachloride	25.0	27.3		ug/L		109	72 - 134
Chlorobenzene	25.0	25.0		ug/L		100	80 - 120
Dibromochloromethane	25.0	29.3		ug/L		117	75 - 125
Chloroethane	25.0	23.3		ug/L		93	69 - 136
Chloroform	25.0	21.5		ug/L		86	73 - 127
Chloromethane	25.0	26.0		ug/L		104	68 - 124
cis-1,2-Dichloroethene	25.0	26.6		ug/L		106	74 - 124
cis-1,3-Dichloropropene	25.0	26.7		ug/L		107	74 - 124
Cyclohexane	25.0	25.4		ug/L		102	59 - 135
Dichlorodifluoromethane	25.0	22.3		ug/L		89	59 - 135
Ethylbenzene	25.0	25.9		ug/L		103	77 - 123
1,2-Dibromoethane	25.0	27.4		ug/L		109	77 - 120
Isopropylbenzene	25.0	26.0		ug/L		104	77 - 122
Methyl acetate	50.0	47.6		ug/L		95	74 - 133
Methyl tert-butyl ether	25.0	24.4		ug/L		98	77 - 120
Methylcyclohexane	25.0	26.1		ug/L		105	68 - 134

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-179136-1

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

Lab Sample ID: LCS 480-562474/5

Matrix: Water

Analysis Batch: 562474

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	25.3		ug/L		101	75 - 124
Styrene	25.0	26.4		ug/L		106	80 - 120
Tetrachloroethene	25.0	26.0		ug/L		104	74 - 122
Toluene	25.0	25.4		ug/L		101	80 - 122
trans-1,2-Dichloroethene	25.0	26.7		ug/L		107	73 - 127
trans-1,3-Dichloropropene	25.0	28.4		ug/L		114	80 - 120
Trichloroethene	25.0	24.6		ug/L		99	74 - 123
Trichlorofluoromethane	25.0	26.6		ug/L		106	62 - 150
Vinyl chloride	25.0	24.2		ug/L		97	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	101		80 - 120
1,2-Dichloroethane-d4 (Surr)	100		77 - 120
4-Bromofluorobenzene (Surr)	105		73 - 120
Dibromofluoromethane (Surr)	94		75 - 123

Lab Sample ID: MB 480-562641/7

Matrix: Water

Analysis Batch: 562641

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			12/10/20 11:22	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			12/10/20 11:22	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			12/10/20 11:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			12/10/20 11:22	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			12/10/20 11:22	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			12/10/20 11:22	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			12/10/20 11:22	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			12/10/20 11:22	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			12/10/20 11:22	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			12/10/20 11:22	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			12/10/20 11:22	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			12/10/20 11:22	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			12/10/20 11:22	1
2-Butanone (MEK)	ND		10	1.3	ug/L			12/10/20 11:22	1
2-Hexanone	ND		5.0	1.2	ug/L			12/10/20 11:22	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			12/10/20 11:22	1
Acetone	ND		10	3.0	ug/L			12/10/20 11:22	1
Benzene	ND		1.0	0.41	ug/L			12/10/20 11:22	1
Bromodichloromethane	ND		1.0	0.39	ug/L			12/10/20 11:22	1
Bromoform	ND		1.0	0.26	ug/L			12/10/20 11:22	1
Bromomethane	ND		1.0	0.69	ug/L			12/10/20 11:22	1
Carbon disulfide	ND		1.0	0.19	ug/L			12/10/20 11:22	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			12/10/20 11:22	1
Chlorobenzene	ND		1.0	0.75	ug/L			12/10/20 11:22	1
Dibromochloromethane	ND		1.0	0.32	ug/L			12/10/20 11:22	1
Chloroethane	ND		1.0	0.32	ug/L			12/10/20 11:22	1
Chloroform	ND		1.0	0.34	ug/L			12/10/20 11:22	1

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-179136-1

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

Lab Sample ID: MB 480-562641/7

Matrix: Water

Analysis Batch: 562641

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.35	ug/L			12/10/20 11:22	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			12/10/20 11:22	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			12/10/20 11:22	1
Cyclohexane	ND		1.0	0.18	ug/L			12/10/20 11:22	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/10/20 11:22	1
Ethylbenzene	ND		1.0	0.74	ug/L			12/10/20 11:22	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			12/10/20 11:22	1
Isopropylbenzene	ND		1.0	0.79	ug/L			12/10/20 11:22	1
Methyl acetate	ND		2.5	1.3	ug/L			12/10/20 11:22	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			12/10/20 11:22	1
Methylcyclohexane	ND		1.0	0.16	ug/L			12/10/20 11:22	1
Methylene Chloride	ND		1.0	0.44	ug/L			12/10/20 11:22	1
Styrene	ND		1.0	0.73	ug/L			12/10/20 11:22	1
Tetrachloroethene	ND		1.0	0.36	ug/L			12/10/20 11:22	1
Toluene	ND		1.0	0.51	ug/L			12/10/20 11:22	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			12/10/20 11:22	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			12/10/20 11:22	1
Trichloroethene	ND		1.0	0.46	ug/L			12/10/20 11:22	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			12/10/20 11:22	1
Vinyl chloride	ND		1.0	0.90	ug/L			12/10/20 11:22	1
Xylenes, Total	ND		2.0	0.66	ug/L			12/10/20 11:22	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120		12/10/20 11:22	1
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		12/10/20 11:22	1
4-Bromofluorobenzene (Surr)	99		73 - 120		12/10/20 11:22	1
Dibromofluoromethane (Surr)	104		75 - 123		12/10/20 11:22	1

Lab Sample ID: LCS 480-562641/5

Matrix: Water

Analysis Batch: 562641

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
1,1,1,2-Tetrachloroethane	25.0	25.5		ug/L		102	76 - 120
1,1,2-Trichloroethane	25.0	26.9		ug/L		108	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.6		ug/L		94	61 - 148
1,1-Dichloroethane	25.0	25.3		ug/L		101	77 - 120
1,1-Dichloroethene	25.0	23.3		ug/L		93	66 - 127
1,2,4-Trichlorobenzene	25.0	25.3		ug/L		101	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	31.7		ug/L		127	56 - 134
1,2-Dichlorobenzene	25.0	25.8		ug/L		103	80 - 124
1,2-Dichloroethane	25.0	23.9		ug/L		96	75 - 120
1,2-Dichloropropane	25.0	25.2		ug/L		101	76 - 120
1,3-Dichlorobenzene	25.0	26.1		ug/L		104	77 - 120
1,4-Dichlorobenzene	25.0	25.2		ug/L		101	80 - 120
2-Butanone (MEK)	125	130		ug/L		104	57 - 140
2-Hexanone	125	142		ug/L		113	65 - 127

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-179136-1

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

Lab Sample ID: LCS 480-562641/5

Matrix: Water

Analysis Batch: 562641

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Methyl-2-pentanone (MIBK)	125	136		ug/L		109	71 - 125
Acetone	125	129		ug/L		103	56 - 142
Benzene	25.0	24.7		ug/L		99	71 - 124
Bromodichloromethane	25.0	28.6		ug/L		115	80 - 122
Bromoform	25.0	32.0		ug/L		128	61 - 132
Bromomethane	25.0	21.6		ug/L		86	55 - 144
Carbon disulfide	25.0	26.2		ug/L		105	59 - 134
Carbon tetrachloride	25.0	27.3		ug/L		109	72 - 134
Chlorobenzene	25.0	25.2		ug/L		101	80 - 120
Dibromochloromethane	25.0	30.8		ug/L		123	75 - 125
Chloroethane	25.0	21.6		ug/L		86	69 - 136
Chloroform	25.0	21.9		ug/L		88	73 - 127
Chloromethane	25.0	24.5		ug/L		98	68 - 124
cis-1,2-Dichloroethene	25.0	26.8		ug/L		107	74 - 124
cis-1,3-Dichloropropene	25.0	27.1		ug/L		109	74 - 124
Cyclohexane	25.0	24.4		ug/L		98	59 - 135
Dichlorodifluoromethane	25.0	21.6		ug/L		86	59 - 135
Ethylbenzene	25.0	26.5		ug/L		106	77 - 123
1,2-Dibromoethane	25.0	27.7		ug/L		111	77 - 120
Isopropylbenzene	25.0	27.0		ug/L		108	77 - 122
Methyl acetate	50.0	47.3		ug/L		95	74 - 133
Methyl tert-butyl ether	25.0	26.0		ug/L		104	77 - 120
Methylcyclohexane	25.0	24.8		ug/L		99	68 - 134
Methylene Chloride	25.0	26.1		ug/L		104	75 - 124
Styrene	25.0	27.2		ug/L		109	80 - 120
Tetrachloroethene	25.0	27.0		ug/L		108	74 - 122
Toluene	25.0	25.9		ug/L		103	80 - 122
trans-1,2-Dichloroethene	25.0	27.2		ug/L		109	73 - 127
trans-1,3-Dichloropropene	25.0	29.0		ug/L		116	80 - 120
Trichloroethene	25.0	25.4		ug/L		102	74 - 123
Trichlorofluoromethane	25.0	23.7		ug/L		95	62 - 150
Vinyl chloride	25.0	23.0		ug/L		92	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	100		80 - 120
1,2-Dichloroethane-d4 (Surr)	103		77 - 120
4-Bromofluorobenzene (Surr)	106		73 - 120
Dibromofluoromethane (Surr)	96		75 - 123

Lab Sample ID: 480-179136-1 MS

Matrix: Water

Analysis Batch: 562641

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	40	F1	25.0	65.4		ug/L		103	73 - 126
1,1,2,2-Tetrachloroethane	ND		25.0	25.2		ug/L		101	76 - 120
1,1,2-Trichloroethane	ND		25.0	25.5		ug/L		102	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	20.7		ug/L		83	61 - 148

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-179136-1

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

Lab Sample ID: 480-179136-1 MS

Matrix: Water

Analysis Batch: 562641

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-Dichloroethane	1.5		25.0	26.1		ug/L		99	77 - 120
1,1-Dichloroethene	0.56	J	25.0	23.9		ug/L		93	66 - 127
1,2,4-Trichlorobenzene	ND		25.0	23.4		ug/L		93	79 - 122
1,2-Dibromo-3-Chloropropane	ND	F1	25.0	30.1		ug/L		120	56 - 134
1,2-Dichlorobenzene	ND		25.0	25.2		ug/L		101	80 - 124
1,2-Dichloroethane	ND		25.0	23.3		ug/L		93	75 - 120
1,2-Dichloropropane	ND		25.0	25.6		ug/L		103	76 - 120
1,3-Dichlorobenzene	ND		25.0	25.2		ug/L		101	77 - 120
1,4-Dichlorobenzene	ND		25.0	24.2		ug/L		97	78 - 124
2-Butanone (MEK)	ND		125	115		ug/L		92	57 - 140
2-Hexanone	ND		125	131		ug/L		105	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		125	129		ug/L		103	71 - 125
Acetone	ND	F2	125	106		ug/L		85	56 - 142
Benzene	ND		25.0	24.9		ug/L		100	71 - 124
Bromodichloromethane	ND	F1	25.0	27.8		ug/L		111	80 - 122
Bromoform	ND		25.0	29.8		ug/L		119	61 - 132
Bromomethane	ND		25.0	21.0		ug/L		84	55 - 144
Carbon disulfide	ND		25.0	24.4		ug/L		97	59 - 134
Carbon tetrachloride	ND		25.0	29.7		ug/L		119	72 - 134
Chlorobenzene	ND		25.0	25.0		ug/L		100	80 - 120
Dibromochloromethane	ND	F1	25.0	28.3		ug/L		113	75 - 125
Chloroethane	ND		25.0	20.9		ug/L		84	69 - 136
Chloroform	ND		25.0	24.1		ug/L		96	73 - 127
Chloromethane	ND		25.0	25.7		ug/L		103	68 - 124
cis-1,2-Dichloroethene	ND		25.0	26.9		ug/L		107	74 - 124
cis-1,3-Dichloropropene	ND	F2	25.0	25.2		ug/L		101	74 - 124
Cyclohexane	ND		25.0	25.0		ug/L		100	59 - 135
Dichlorodifluoromethane	ND		25.0	20.7		ug/L		83	59 - 135
Ethylbenzene	ND		25.0	26.4		ug/L		106	77 - 123
1,2-Dibromoethane	ND		25.0	26.6		ug/L		107	77 - 120
Isopropylbenzene	ND		25.0	26.4		ug/L		106	77 - 122
Methyl acetate	ND	F2	50.0	39.4		ug/L		79	74 - 133
Methyl tert-butyl ether	ND		25.0	23.3		ug/L		93	77 - 120
Methylcyclohexane	ND		25.0	23.3		ug/L		93	68 - 134
Methylene Chloride	ND		25.0	25.6		ug/L		103	75 - 124
Styrene	ND		25.0	26.5		ug/L		106	80 - 120
Tetrachloroethene	ND		25.0	27.6		ug/L		111	74 - 122
Toluene	ND		25.0	25.9		ug/L		104	80 - 122
trans-1,2-Dichloroethene	ND	F1	25.0	27.4		ug/L		110	73 - 127
trans-1,3-Dichloropropene	ND		25.0	26.9		ug/L		108	80 - 120
Trichloroethene	ND		25.0	25.1		ug/L		100	74 - 123
Trichlorofluoromethane	ND		25.0	24.9		ug/L		100	62 - 150
Vinyl chloride	ND		25.0	23.8		ug/L		95	65 - 133

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	101		80 - 120
1,2-Dichloroethane-d4 (Surr)	104		77 - 120
4-Bromofluorobenzene (Surr)	103		73 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-179136-1

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

Lab Sample ID: 480-179136-1 MS

Matrix: Water

Analysis Batch: 562641

Client Sample ID: RW-1

Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
Dibromofluoromethane (Surr)	100		75 - 123

Lab Sample ID: 480-179136-1 MSD

Matrix: Water

Analysis Batch: 562641

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	40	F1	25.0	73.7	F1	ug/L		137	73 - 126	12	15
1,1,2,2-Tetrachloroethane	ND		25.0	28.4		ug/L		114	76 - 120	12	15
1,1,2-Trichloroethane	ND		25.0	29.0		ug/L		116	76 - 122	13	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	23.1		ug/L		92	61 - 148	11	20
1,1-Dichloroethane	1.5		25.0	30.6		ug/L		116	77 - 120	16	20
1,1-Dichloroethene	0.56	J	25.0	27.2		ug/L		107	66 - 127	13	16
1,2,4-Trichlorobenzene	ND		25.0	26.4		ug/L		106	79 - 122	12	20
1,2-Dibromo-3-Chloropropane	ND	F1	25.0	34.8	F1	ug/L		139	56 - 134	14	15
1,2-Dichlorobenzene	ND		25.0	28.0		ug/L		112	80 - 124	10	20
1,2-Dichloroethane	ND		25.0	27.4		ug/L		110	75 - 120	16	20
1,2-Dichloropropane	ND		25.0	29.0		ug/L		116	76 - 120	12	20
1,3-Dichlorobenzene	ND		25.0	28.0		ug/L		112	77 - 120	10	20
1,4-Dichlorobenzene	ND		25.0	26.9		ug/L		108	78 - 124	11	20
2-Butanone (MEK)	ND		125	140		ug/L		112	57 - 140	19	20
2-Hexanone	ND		125	151		ug/L		121	65 - 127	14	15
4-Methyl-2-pentanone (MIBK)	ND		125	148		ug/L		119	71 - 125	14	35
Acetone	ND	F2	125	132	F2	ug/L		105	56 - 142	21	15
Benzene	ND		25.0	28.3		ug/L		113	71 - 124	13	13
Bromodichloromethane	ND	F1	25.0	32.4	F1	ug/L		130	80 - 122	15	15
Bromoform	ND		25.0	32.3		ug/L		129	61 - 132	8	15
Bromomethane	ND		25.0	23.4		ug/L		94	55 - 144	11	15
Carbon disulfide	ND		25.0	27.5		ug/L		110	59 - 134	12	15
Carbon tetrachloride	ND		25.0	33.0		ug/L		132	72 - 134	11	15
Chlorobenzene	ND		25.0	27.7		ug/L		111	80 - 120	10	25
Dibromochloromethane	ND	F1	25.0	31.5	F1	ug/L		126	75 - 125	11	15
Chloroethane	ND		25.0	23.4		ug/L		94	69 - 136	11	15
Chloroform	ND		25.0	27.7		ug/L		111	73 - 127	14	20
Chloromethane	ND		25.0	27.7		ug/L		111	68 - 124	8	15
cis-1,2-Dichloroethene	ND		25.0	31.1		ug/L		124	74 - 124	15	15
cis-1,3-Dichloropropene	ND	F2	25.0	29.8	F2	ug/L		119	74 - 124	17	15
Cyclohexane	ND		25.0	28.8		ug/L		115	59 - 135	14	20
Dichlorodifluoromethane	ND		25.0	21.0		ug/L		84	59 - 135	1	20
Ethylbenzene	ND		25.0	28.8		ug/L		115	77 - 123	9	15
1,2-Dibromoethane	ND		25.0	29.3		ug/L		117	77 - 120	9	15
Isopropylbenzene	ND		25.0	29.6		ug/L		118	77 - 122	11	20
Methyl acetate	ND	F2	50.0	49.7	F2	ug/L		99	74 - 133	23	20
Methyl tert-butyl ether	ND		25.0	27.8		ug/L		111	77 - 120	17	37
Methylcyclohexane	ND		25.0	28.2		ug/L		113	68 - 134	19	20
Methylene Chloride	ND		25.0	29.6		ug/L		118	75 - 124	14	15
Styrene	ND		25.0	28.8		ug/L		115	80 - 120	8	20
Tetrachloroethene	ND		25.0	29.0		ug/L		116	74 - 122	5	20

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-179136-1

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

Lab Sample ID: 480-179136-1 MSD

Matrix: Water

Analysis Batch: 562641

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
Toluene	ND		25.0	28.2		ug/L		113	80 - 122	8	15
trans-1,2-Dichloroethene	ND	F1	25.0	32.3	F1	ug/L		129	73 - 127	17	20
trans-1,3-Dichloropropene	ND		25.0	30.1		ug/L		120	80 - 120	11	15
Trichloroethene	ND		25.0	29.1		ug/L		117	74 - 123	15	16
Trichlorofluoromethane	ND		25.0	26.5		ug/L		106	62 - 150	6	20
Vinyl chloride	ND		25.0	26.3		ug/L		105	65 - 133	10	15

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr)	101		80 - 120
1,2-Dichloroethane-d4 (Surr)	111		77 - 120
4-Bromofluorobenzene (Surr)	107		73 - 120
Dibromofluoromethane (Surr)	103		75 - 123

QC Association Summary

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

Job ID: 480-179136-1

GC/MS VOA

Analysis Batch: 562474

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-179136-1	RW-1	Total/NA	Water	8260C	
480-179136-2	RW-2	Total/NA	Water	8260C	
480-179136-3	EFFLUENT 46 Hz	Total/NA	Water	8260C	
480-179136-4	TRIP BLANK	Total/NA	Water	8260C	
MB 480-562474/7	Method Blank	Total/NA	Water	8260C	
LCS 480-562474/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 562641

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-562641/7	Method Blank	Total/NA	Water	8260C	
LCS 480-562641/5	Lab Control Sample	Total/NA	Water	8260C	
480-179136-1 MS	RW-1	Total/NA	Water	8260C	
480-179136-1 MSD	RW-1	Total/NA	Water	8260C	

Lab Chronicle

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

Job ID: 480-179136-1

Client Sample ID: RW-1

Date Collected: 12/08/20 10:00

Date Received: 12/09/20 08:00

Lab Sample ID: 480-179136-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	562474	12/09/20 13:51	RJF	TAL BUF

Client Sample ID: RW-2

Date Collected: 12/08/20 10:05

Date Received: 12/09/20 08:00

Lab Sample ID: 480-179136-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	562474	12/09/20 14:16	RJF	TAL BUF

Client Sample ID: EFFLUENT 46 Hz

Date Collected: 12/08/20 10:10

Date Received: 12/09/20 08:00

Lab Sample ID: 480-179136-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	562474	12/09/20 14:40	RJF	TAL BUF

Client Sample ID: TRIP BLANK

Date Collected: 12/08/20 13:30

Date Received: 12/09/20 08:00

Lab Sample ID: 480-179136-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	562474	12/09/20 15:04	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.
Project/Site: Gladding Corporation #709009

Job ID: 480-179136-1

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

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Method Summary

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

Job ID: 480-179136-1

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: 480-179136-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-179136-1	RW-1	Water	12/08/20 10:00	12/09/20 08:00	
480-179136-2	RW-2	Water	12/08/20 10:05	12/09/20 08:00	
480-179136-3	EFFLUENT 46 Hz	Water	12/08/20 10:10	12/09/20 08:00	
480-179136-4	TRIP BLANK	Water	12/08/20 13:30	12/09/20 08:00	



CHAIN OF CUSTODY

Client: New York State Dept. of Environmental Conservation

PAGE 1 OF 1

Bottle Order Control #

Syracuse

FED-EX Tracking #

Lab Quote #

Lab Job #

CLIENT/REPORTING INFORMATION		PROJECT INFORMATION		BILLING INFORMATION		REQUESTED ANALYSIS		LAB USE ONLY
Groundwater & Environmental Services, Inc. 5 Technology Place, East Syracuse, NY 13057 GES Project Manager: Scott McDonald PM Email: SMcDonald@gesonline.com		Project Name: NYSDEC Gladding Cordage #709009 Project Address: One Gladding Road, South Otselic, NY Project PSD #: 842790		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		#220 (See Test Code sheet)		

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								EPA Method 8260 full list
								HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	Amber
	RW-1	-	12/8/20	1000	GE	WG	3	X								X
	RW-1 MS	-		1000	GE	WG	3	X								X
	RW-1 MSD	-		1000	GE	WG	3	X								X
	RW-2	-		1005	GE	WG	3	X								X
	Effluent 46 Hz	-		1010	GE	WG	3	X								X
	Trip Blank	-				WQ	2									X
	TRIP Blank	-	12/8/20	1330	GE	WQ	2	X								X
	12-6-20															

Turnaround Time (Business Days) Approved By (Lab PM) / Date		Laboratory Information	
☒ Standard 14 Days		Lab:	Eurofins TestAmerica, Buffalo
☐ 1 day RUSH		Address:	10 Hazelwood Drive, Amherst, NY 14228-2298
☐ Other		Phone:	716-691-2600
		Lab PM:	Judy Stone
		Lab PM Email:	judy.stone@testamericainc.com

Please Email the EQ EDD Package to ges@gesonline.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 Sampler:	Received By:
1. <i>[Signature]</i>	1. <i>[Signature]</i>
Relinquished By:	Received By:
2. <i>[Signature]</i>	2. <i>[Signature]</i>
Relinquished By:	Received By:
3. <i>[Signature]</i>	3. <i>[Signature]</i>
Custody Seal Number:	Cooler Temp
☐ Intact ☐ Not Intact	30 #1



480-179136 Chain of Custody

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-179136-1

Login Number: 179136

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Yeager, Brian A

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.0 #1 ICE
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	GES
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

ANALYTICAL REPORT

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

Laboratory Job ID: 480-176533-1

Client Project/Site: Gladding Corporation #709009

For:

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

Attn: Mr. Payson Long



Authorized for release by:
10/28/2020 6:11:01 PM

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

LINKS

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results through
TotalAccess

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www.eurofinsus.com/Env

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

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
10/28/2020 6:11:01 PM

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Detection Summary	6
Client Sample Results	11
Surrogate Summary	104
Isotope Dilution Summary	105
QC Sample Results	109
QC Association Summary	126
Lab Chronicle	131
Certification Summary	139
Method Summary	140
Sample Summary	141
Chain of Custody	142
Receipt Checklists	149

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Definitions/Glossary

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

Job ID: 480-176533-1

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

LCMS

Qualifier	Qualifier Description
*5	Isotope dilution analyte is outside acceptance limits.
I	Value is EMPC (estimated maximum possible concentration).
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.
α	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: 480-176533-1

Job ID: 480-176533-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-176533-1

Receipt

The samples were received on 10/15/2020 8:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 7 coolers at receipt time were 2.6° C, 2.7° C, 2.8° C, 3.0° C, 3.3° C, 3.4° C and 3.8° C.

GC/MS VOA

Method 8260C: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: TW-3S (480-176533-5). Elevated reporting limits (RLs) are provided.

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

GC/MS Semi VOA

Method 8270D SIM ID: The following sample was diluted due to the nature of the sample matrix: TW-9D (480-176533-19). Elevated reporting limits (RLs) are provided.

Method 8270D SIM ID: The 1,4-Dioxane results reported for samples TW-15 (480-176533-26) and TW-X-DUP (480-176533-27) have an E flag qualifier indicating the results are over the calibration range on the raw data. The actual amounts are within the calibration range; however, the E flag is generated based upon the bias corrected concentration. The LIMS system calculates a bias correction based on the recovery of the 1,4-Dioxane-d8 isotope.

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

LCMS

Method 537 (modified): Internal standard responses were outside of acceptance limits for the following sample: TW-9D (480-176533-19). The sample shows evidence of matrix interference.

Method 537 (modified): 13C2 PFDoA, 13C2 PFTeDA, d3-NMeFOSAA and d5-NEtFOSAA Isotope Dilution Analyte (IDA) recoveries associated with the following sample are below the method recommended limit: TW-9I (480-176533-18). Generally, data quality is not considered affected if the IDA signal-to-noise ratio is greater than 10:1, which is achieved for all IDA in the sample.

Method 537 (modified): 13C2 PFUnA, 13C2 PFDoA, 13C2 PFTeDA, d3-NMeFOSAA and d5-NEtFOSAA Isotope Dilution Analyte (IDA) recoveries associated with the following sample are below the method recommended limit: TW-9D (480-176533-19). Generally, data quality is not considered affected if the IDA signal-to-noise ratio is greater than 10:1, which is achieved for all IDA in the sample.

Method 537 (modified): M2-6:2 FTS Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following sample: TW-9D (480-176533-19). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

Method 537 (modified): Method 537 (modified): The "I" qualifier associated with sample TW-2S (480-176533-2) is applied because the transition mass ratio for the indicated analyte(s) was outside of the established ratio limits. The qualitative identification has some degree of uncertainty, however analyst judgment was used to positively identify the analyte(s).

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

Organic Prep

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-554486.

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

Detection Summary

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

Job ID: 480-176533-1

Client Sample ID: TW-1

Lab Sample ID: 480-176533-1

No Detections.

Client Sample ID: TW-2S

Lab Sample ID: 480-176533-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanesulfonic acid (PFOS)	0.88	J	1.8	0.76	ng/L	1		537 (modified)	Total/NA

Client Sample ID: TW-2I

Lab Sample ID: 480-176533-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanoic acid (PFOA)	1.3	J	1.8	0.88	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	7.4		1.8	0.78	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonamide (PFOSA)	0.81	J	1.8	0.51	ng/L	1		537 (modified)	Total/NA

Client Sample ID: TW-2D

Lab Sample ID: 480-176533-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanoic acid (PFOA)	1.1	J	1.8	0.87	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	3.0		1.8	0.78	ng/L	1		537 (modified)	Total/NA

Client Sample ID: TW-3S

Lab Sample ID: 480-176533-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	3.2	J	4.3	0.97	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	8.8		1.7	0.93	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	15		1.7	0.71	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	2.4		1.7	0.39	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	0.89	J	1.7	0.84	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	33		1.7	0.54	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.90	J	1.7	0.75	ng/L	1		537 (modified)	Total/NA
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.9	J	4.3	0.80	ng/L	1		537 (modified)	Total/NA
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	1.2	J	4.3	0.62	ng/L	1		537 (modified)	Total/NA

Client Sample ID: TW-3I

Lab Sample ID: 480-176533-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	0.84	J	1.0	0.82	ug/L	1		8260C	Total/NA
Perfluorooctanoic acid (PFOA)	0.97	J	1.8	0.87	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.4	J	1.8	0.77	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonamide (PFOSA)	0.84	J	1.8	0.50	ng/L	1		537 (modified)	Total/NA

Client Sample ID: TW-3D

Lab Sample ID: 480-176533-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanoic acid (PFOA)	1.2	J	1.7	0.83	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	4.5		1.7	0.74	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonamide (PFOSA)	2.2		1.7	0.48	ng/L	1		537 (modified)	Total/NA

Client Sample ID: TW-4I

Lab Sample ID: 480-176533-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	17		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	3.7		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	0.29	J	1.0	0.29	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

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

Job ID: 480-176533-1

Client Sample ID: TW-4I (Continued)

Lab Sample ID: 480-176533-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroethane	0.87	J	1.0	0.32	ug/L	1		8260C	Total/NA

Client Sample ID: TW-5S

Lab Sample ID: 480-176533-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	5.2		1.0	0.82	ug/L	1		8260C	Total/NA
Perfluorobutanoic acid (PFBA)	2.7	J	4.5	1.0	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	2.5		1.8	0.96	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	2.2		1.8	0.74	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	1.7	J	1.8	0.41	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	5.5		1.8	0.87	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	3.4		1.8	0.56	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	6.6		1.8	0.78	ng/L	1		537 (modified)	Total/NA

Client Sample ID: TW-5I

Lab Sample ID: 480-176533-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.39	J	1.0	0.38	ug/L	1		8260C	Total/NA
1,4-Dioxane	0.17	J	0.19	0.095	ug/L	1		8270D SIM ID	Total/NA
Perfluorobutanoic acid (PFBA)	1.2	J	4.6	1.0	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	1.1	J	1.8	0.99	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	0.95	J	1.8	0.76	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.51	J	1.8	0.42	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	2.3		1.8	0.90	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	6.7		1.8	0.58	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	8.5		1.8	0.80	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonamide (PFOSA)	0.97	J	1.8	0.52	ng/L	1		537 (modified)	Total/NA

Client Sample ID: TW-5D

Lab Sample ID: 480-176533-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	11		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	0.46	J	1.0	0.29	ug/L	1		8260C	Total/NA
Perfluorobutanoic acid (PFBA)	1.1	J	4.4	0.99	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	1.1	J	1.8	0.95	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	1.9		1.8	0.73	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	2.1		1.8	0.40	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	11		1.8	0.86	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.1	J	1.8	0.59	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	19		1.8	0.77	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonamide (PFOSA)	2.4		1.8	0.50	ng/L	1		537 (modified)	Total/NA
N-ethylperfluorooctanesulfonamidoacetic acid (NETFOSAA)	1.1	J	4.4	0.82	ng/L	1		537 (modified)	Total/NA

Client Sample ID: TW-6S

Lab Sample ID: 480-176533-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	2.8		1.0	0.34	ug/L	1		8260C	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.5		1.6	0.71	ng/L	1		537 (modified)	Total/NA

Client Sample ID: TW-6I

Lab Sample ID: 480-176533-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanesulfonic acid (PFOS)	0.89	J	1.6	0.69	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

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

Job ID: 480-176533-1

Client Sample ID: TW-6D

Lab Sample ID: 480-176533-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoroheptanoic acid (PFHpA)	0.38	J	1.6	0.38	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	1.7		1.6	0.80	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.64	J	1.6	0.55	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	9.2		1.6	0.71	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonamide (PFOSA)	2.6		1.6	0.47	ng/L	1		537 (modified)	Total/NA

Client Sample ID: TW-7S

Lab Sample ID: 480-176533-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	11		1.0	0.82	ug/L	1		8260C	Total/NA

Client Sample ID: TW-7I

Lab Sample ID: 480-176533-16

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

Client Sample ID: TW-7D

Lab Sample ID: 480-176533-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	0.29		0.19	0.095	ug/L	1		8270D SIM ID	Total/NA

Client Sample ID: TW-9I

Lab Sample ID: 480-176533-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	2.8		1.0	0.82	ug/L	1		8260C	Total/NA
Perfluorobutanoic acid (PFBA)	1.2	J	4.1	0.93	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	1.5	J	1.7	0.89	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	2.5		1.7	0.69	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	3.4		1.7	0.38	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	12		1.7	0.81	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.79	J	1.7	0.52	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.6	J	1.7	0.55	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic Acid (PFHpS)	0.48	J	1.7	0.32	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	22		1.7	0.72	ng/L	1		537 (modified)	Total/NA

Client Sample ID: TW-9D

Lab Sample ID: 480-176533-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	1.0	J	4.0	0.91	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	1.2	J	1.6	0.87	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	2.2		1.6	0.67	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	2.4		1.6	0.37	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	17		1.6	0.79	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.71	J	1.6	0.51	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.1		1.6	0.54	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic Acid (PFHpS)	0.76	J	1.6	0.31	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	44		1.6	0.70	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonamide (PFOSA)	4.8		1.6	0.46	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

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

Job ID: 480-176533-1

Client Sample ID: TW-10D

Lab Sample ID: 480-176533-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	0.10	J	0.19	0.095	ug/L	1		8270D SIM ID	Total/NA
Perfluorobutanoic acid (PFBA)	3.1	J	4.1	0.92	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	1.5	J	1.6	0.88	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	2.2		1.6	0.68	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	2.0		1.6	0.38	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	12		1.6	0.80	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.53	J	1.6	0.47	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.38	J	1.6	0.38	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.51	J	1.6	0.51	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	3.0		1.6	0.55	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic Acid (PFHpS)	0.98	J	1.6	0.32	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	39		1.6	0.71	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonamide (PFOSA)	0.60	J	1.6	0.46	ng/L	1		537 (modified)	Total/NA

Client Sample ID: TW-12I

Lab Sample ID: 480-176533-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	1.9		1.0	0.82	ug/L	1		8260C	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.6		1.6	0.69	ng/L	1		537 (modified)	Total/NA

Client Sample ID: TW-12D

Lab Sample ID: 480-176533-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	0.44		0.19	0.095	ug/L	1		8270D SIM ID	Total/NA

Client Sample ID: TW-14S

Lab Sample ID: 480-176533-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	32		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	1.0		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	0.72	J	1.0	0.29	ug/L	1		8260C	Total/NA
1,4-Dioxane	0.17	J	0.19	0.095	ug/L	1		8270D SIM ID	Total/NA
Perfluorooctanoic acid (PFOA)	1.3	J	1.6	0.80	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.8		1.6	0.51	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.5		1.6	0.71	ng/L	1		537 (modified)	Total/NA

Client Sample ID: TW-14I

Lab Sample ID: 480-176533-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	54		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	1.9		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	1.2		1.0	0.29	ug/L	1		8260C	Total/NA
1,4-Dioxane	0.28		0.19	0.095	ug/L	1		8270D SIM ID	Total/NA

Client Sample ID: TW-14D

Lab Sample ID: 480-176533-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	9.2		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	0.39	J	1.0	0.38	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

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

Job ID: 480-176533-1

Client Sample ID: TW-15

Lab Sample ID: 480-176533-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	9.2		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	0.77	J	1.0	0.38	ug/L	1		8260C	Total/NA
1,4-Dioxane	1.6	E	0.19	0.095	ug/L	1		8270D SIM ID	Total/NA
Perfluoropentanoic acid (PFPeA)	1.3	J	1.8	0.99	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	1.5	J	1.8	0.76	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.50	J	1.8	0.42	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.8		1.8	0.80	ng/L	1		537 (modified)	Total/NA

Client Sample ID: TW-X-DUP

Lab Sample ID: 480-176533-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	9.7		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	0.78	J	1.0	0.38	ug/L	1		8260C	Total/NA
1,4-Dioxane	1.6	E	0.19	0.095	ug/L	1		8270D SIM ID	Total/NA
Perfluoropentanoic acid (PFPeA)	1.3	J	1.8	0.97	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	1.5	J	1.8	0.74	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.46	J	1.8	0.41	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.7	J	1.8	0.78	ng/L	1		537 (modified)	Total/NA

Client Sample ID: RW-1

Lab Sample ID: 480-176533-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	31		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	1.3		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	0.88	J	1.0	0.29	ug/L	1		8260C	Total/NA
1,4-Dioxane	0.18	J	0.19	0.095	ug/L	1		8270D SIM ID	Total/NA
Perfluorooctanoic acid (PFOA)	0.95	J	1.6	0.79	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.6		1.6	0.51	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.6		1.6	0.71	ng/L	1		537 (modified)	Total/NA

Client Sample ID: RW-2

Lab Sample ID: 480-176533-29

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	0.66	J	1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	0.85	J	1.0	0.29	ug/L	1		8260C	Total/NA

Client Sample ID: EFF-46HZ

Lab Sample ID: 480-176533-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	0.11	J	0.19	0.095	ug/L	1		8270D SIM ID	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.84	J	1.6	0.50	ng/L	1		537 (modified)	Total/NA

Client Sample ID: FIELD BLANK

Lab Sample ID: 480-176533-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	1.7		1.0	0.75	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-1

Lab Sample ID: 480-176533-1

Date Collected: 10/13/20 13:20

Matrix: Water

Date Received: 10/15/20 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			10/19/20 21:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/19/20 21:44	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/19/20 21:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/19/20 21:44	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/19/20 21:44	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/19/20 21:44	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/19/20 21:44	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/19/20 21:44	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/19/20 21:44	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/19/20 21:44	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/19/20 21:44	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/19/20 21:44	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/19/20 21:44	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/19/20 21:44	1
2-Hexanone	ND		5.0	1.2	ug/L			10/19/20 21:44	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/19/20 21:44	1
Acetone	ND		10	3.0	ug/L			10/19/20 21:44	1
Benzene	ND		1.0	0.41	ug/L			10/19/20 21:44	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/19/20 21:44	1
Bromoform	ND		1.0	0.26	ug/L			10/19/20 21:44	1
Bromomethane	ND		1.0	0.69	ug/L			10/19/20 21:44	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/19/20 21:44	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/19/20 21:44	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/19/20 21:44	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/19/20 21:44	1
Chloroethane	ND		1.0	0.32	ug/L			10/19/20 21:44	1
Chloroform	ND		1.0	0.34	ug/L			10/19/20 21:44	1
Chloromethane	ND		1.0	0.35	ug/L			10/19/20 21:44	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/19/20 21:44	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/19/20 21:44	1
Cyclohexane	ND		1.0	0.18	ug/L			10/19/20 21:44	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/19/20 21:44	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/19/20 21:44	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/19/20 21:44	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/19/20 21:44	1
Methyl acetate	ND		2.5	1.3	ug/L			10/19/20 21:44	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/19/20 21:44	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/19/20 21:44	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/19/20 21:44	1
Styrene	ND		1.0	0.73	ug/L			10/19/20 21:44	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/19/20 21:44	1
Toluene	ND		1.0	0.51	ug/L			10/19/20 21:44	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/19/20 21:44	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/19/20 21:44	1
Trichloroethene	ND		1.0	0.46	ug/L			10/19/20 21:44	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/19/20 21:44	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/19/20 21:44	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/19/20 21:44	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-1

Lab Sample ID: 480-176533-1

Date Collected: 10/13/20 13:20

Matrix: Water

Date Received: 10/15/20 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120		10/19/20 21:44	1
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		10/19/20 21:44	1
4-Bromofluorobenzene (Surr)	93		73 - 120		10/19/20 21:44	1
Dibromofluoromethane (Surr)	96		75 - 123		10/19/20 21:44	1

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.19	0.095	ug/L		10/18/20 08:36	10/23/20 00:44	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	28		15 - 110				10/18/20 08:36	10/23/20 00:44	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.4	0.99	ng/L		10/21/20 14:00	10/22/20 11:01	1
Perfluoropentanoic acid (PFPeA)	ND		1.7	0.94	ng/L		10/21/20 14:00	10/22/20 11:01	1
Perfluorohexanoic acid (PFHxA)	ND		1.7	0.73	ng/L		10/21/20 14:00	10/22/20 11:01	1
Perfluoroheptanoic acid (PFHpA)	ND		1.7	0.40	ng/L		10/21/20 14:00	10/22/20 11:01	1
Perfluorooctanoic acid (PFOA)	ND		1.7	0.86	ng/L		10/21/20 14:00	10/22/20 11:01	1
Perfluorononanoic acid (PFNA)	ND		1.7	0.51	ng/L		10/21/20 14:00	10/22/20 11:01	1
Perfluorodecanoic acid (PFDA)	ND		1.7	0.40	ng/L		10/21/20 14:00	10/22/20 11:01	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.64	ng/L		10/21/20 14:00	10/22/20 11:01	1
Perfluorododecanoic acid (PFDoA)	ND		1.7	0.40	ng/L		10/21/20 14:00	10/22/20 11:01	1
Perfluorotridecanoic acid (PFTriA)	ND		1.7	0.38	ng/L		10/21/20 14:00	10/22/20 11:01	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.7	0.52	ng/L		10/21/20 14:00	10/22/20 11:01	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.7	0.55	ng/L		10/21/20 14:00	10/22/20 11:01	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.7	0.59	ng/L		10/21/20 14:00	10/22/20 11:01	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.7	0.34	ng/L		10/21/20 14:00	10/22/20 11:01	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.7	0.76	ng/L		10/21/20 14:00	10/22/20 11:01	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.42	ng/L		10/21/20 14:00	10/22/20 11:01	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.7	0.50	ng/L		10/21/20 14:00	10/22/20 11:01	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.4	0.69	ng/L		10/21/20 14:00	10/22/20 11:01	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.4	0.81	ng/L		10/21/20 14:00	10/22/20 11:01	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		4.4	0.63	ng/L		10/21/20 14:00	10/22/20 11:01	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.7	0.58	ng/L		10/21/20 14:00	10/22/20 11:01	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	118		50 - 150				10/21/20 14:00	10/22/20 11:01	1
13C4 PFHpA	112		50 - 150				10/21/20 14:00	10/22/20 11:01	1
13C4 PFOA	104		50 - 150				10/21/20 14:00	10/22/20 11:01	1
13C4 PFOS	108		50 - 150				10/21/20 14:00	10/22/20 11:01	1
13C5 PFNA	102		50 - 150				10/21/20 14:00	10/22/20 11:01	1
13C4 PFBA	114		25 - 150				10/21/20 14:00	10/22/20 11:01	1
13C2 PFHxA	113		50 - 150				10/21/20 14:00	10/22/20 11:01	1
13C2 PFDA	89		50 - 150				10/21/20 14:00	10/22/20 11:01	1
13C2 PFUnA	84		50 - 150				10/21/20 14:00	10/22/20 11:01	1
13C2 PFDoA	68		50 - 150				10/21/20 14:00	10/22/20 11:01	1
13C8 FOSA	89		25 - 150				10/21/20 14:00	10/22/20 11:01	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-1

Lab Sample ID: 480-176533-1

Date Collected: 10/13/20 13:20

Matrix: Water

Date Received: 10/15/20 08:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C5 PFPeA	118		25 - 150	10/21/20 14:00	10/22/20 11:01	1
13C2 PFTeDA	77		50 - 150	10/21/20 14:00	10/22/20 11:01	1
d3-NMeFOSAA	76		50 - 150	10/21/20 14:00	10/22/20 11:01	1
d5-NEtFOSAA	84		50 - 150	10/21/20 14:00	10/22/20 11:01	1
M2-6:2 FTS	110		25 - 150	10/21/20 14:00	10/22/20 11:01	1
M2-8:2 FTS	100		25 - 150	10/21/20 14:00	10/22/20 11:01	1
13C3 PFBS	109		50 - 150	10/21/20 14:00	10/22/20 11:01	1

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-2S

Lab Sample ID: 480-176533-2

Date Collected: 10/13/20 14:45

Matrix: Water

Date Received: 10/15/20 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			10/19/20 22:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/19/20 22:08	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/19/20 22:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/19/20 22:08	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/19/20 22:08	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/19/20 22:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/19/20 22:08	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/19/20 22:08	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/19/20 22:08	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/19/20 22:08	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/19/20 22:08	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/19/20 22:08	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/19/20 22:08	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/19/20 22:08	1
2-Hexanone	ND		5.0	1.2	ug/L			10/19/20 22:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/19/20 22:08	1
Acetone	ND		10	3.0	ug/L			10/19/20 22:08	1
Benzene	ND		1.0	0.41	ug/L			10/19/20 22:08	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/19/20 22:08	1
Bromoform	ND		1.0	0.26	ug/L			10/19/20 22:08	1
Bromomethane	ND		1.0	0.69	ug/L			10/19/20 22:08	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/19/20 22:08	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/19/20 22:08	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/19/20 22:08	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/19/20 22:08	1
Chloroethane	ND		1.0	0.32	ug/L			10/19/20 22:08	1
Chloroform	ND		1.0	0.34	ug/L			10/19/20 22:08	1
Chloromethane	ND		1.0	0.35	ug/L			10/19/20 22:08	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/19/20 22:08	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/19/20 22:08	1
Cyclohexane	ND		1.0	0.18	ug/L			10/19/20 22:08	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/19/20 22:08	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/19/20 22:08	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/19/20 22:08	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/19/20 22:08	1
Methyl acetate	ND		2.5	1.3	ug/L			10/19/20 22:08	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/19/20 22:08	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/19/20 22:08	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/19/20 22:08	1
Styrene	ND		1.0	0.73	ug/L			10/19/20 22:08	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/19/20 22:08	1
Toluene	ND		1.0	0.51	ug/L			10/19/20 22:08	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/19/20 22:08	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/19/20 22:08	1
Trichloroethene	ND		1.0	0.46	ug/L			10/19/20 22:08	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/19/20 22:08	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/19/20 22:08	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/19/20 22:08	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-2S

Lab Sample ID: 480-176533-2

Date Collected: 10/13/20 14:45

Matrix: Water

Date Received: 10/15/20 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		80 - 120		10/19/20 22:08	1
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		10/19/20 22:08	1
4-Bromofluorobenzene (Surr)	94		73 - 120		10/19/20 22:08	1
Dibromofluoromethane (Surr)	98		75 - 123		10/19/20 22:08	1

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.19	0.095	ug/L		10/18/20 08:36	10/23/20 01:08	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	28		15 - 110				10/18/20 08:36	10/23/20 01:08	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.4	0.99	ng/L		10/21/20 14:00	10/22/20 11:09	1
Perfluoropentanoic acid (PFPeA)	ND		1.8	0.95	ng/L		10/21/20 14:00	10/22/20 11:09	1
Perfluorohexanoic acid (PFHxA)	ND		1.8	0.73	ng/L		10/21/20 14:00	10/22/20 11:09	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8	0.40	ng/L		10/21/20 14:00	10/22/20 11:09	1
Perfluorooctanoic acid (PFOA)	ND		1.8	0.86	ng/L		10/21/20 14:00	10/22/20 11:09	1
Perfluorononanoic acid (PFNA)	ND		1.8	0.51	ng/L		10/21/20 14:00	10/22/20 11:09	1
Perfluorodecanoic acid (PFDA)	ND		1.8	0.40	ng/L		10/21/20 14:00	10/22/20 11:09	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.64	ng/L		10/21/20 14:00	10/22/20 11:09	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.40	ng/L		10/21/20 14:00	10/22/20 11:09	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8	0.38	ng/L		10/21/20 14:00	10/22/20 11:09	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8	0.52	ng/L		10/21/20 14:00	10/22/20 11:09	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8	0.55	ng/L		10/21/20 14:00	10/22/20 11:09	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.59	ng/L		10/21/20 14:00	10/22/20 11:09	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8	0.34	ng/L		10/21/20 14:00	10/22/20 11:09	1
Perfluorooctanesulfonic acid (PFOS)	0.88	J I	1.8	0.76	ng/L		10/21/20 14:00	10/22/20 11:09	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.42	ng/L		10/21/20 14:00	10/22/20 11:09	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.50	ng/L		10/21/20 14:00	10/22/20 11:09	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.4	0.69	ng/L		10/21/20 14:00	10/22/20 11:09	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.4	0.82	ng/L		10/21/20 14:00	10/22/20 11:09	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		4.4	0.63	ng/L		10/21/20 14:00	10/22/20 11:09	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.8	0.58	ng/L		10/21/20 14:00	10/22/20 11:09	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	118		50 - 150				10/21/20 14:00	10/22/20 11:09	1
13C4 PFHpA	109		50 - 150				10/21/20 14:00	10/22/20 11:09	1
13C4 PFOA	105		50 - 150				10/21/20 14:00	10/22/20 11:09	1
13C4 PFOS	111		50 - 150				10/21/20 14:00	10/22/20 11:09	1
13C5 PFNA	103		50 - 150				10/21/20 14:00	10/22/20 11:09	1
13C4 PFBA	117		25 - 150				10/21/20 14:00	10/22/20 11:09	1
13C2 PFHxA	117		50 - 150				10/21/20 14:00	10/22/20 11:09	1
13C2 PFDA	88		50 - 150				10/21/20 14:00	10/22/20 11:09	1
13C2 PFUnA	78		50 - 150				10/21/20 14:00	10/22/20 11:09	1
13C2 PFDoA	64		50 - 150				10/21/20 14:00	10/22/20 11:09	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-2S

Lab Sample ID: 480-176533-2

Date Collected: 10/13/20 14:45

Matrix: Water

Date Received: 10/15/20 08:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C8 FOSA	87		25 - 150	10/21/20 14:00	10/22/20 11:09	1
13C5 PFPeA	113		25 - 150	10/21/20 14:00	10/22/20 11:09	1
13C2 PFTeDA	68		50 - 150	10/21/20 14:00	10/22/20 11:09	1
d3-NMeFOSAA	69		50 - 150	10/21/20 14:00	10/22/20 11:09	1
d5-NEtFOSAA	67		50 - 150	10/21/20 14:00	10/22/20 11:09	1
M2-6:2 FTS	113		25 - 150	10/21/20 14:00	10/22/20 11:09	1
M2-8:2 FTS	98		25 - 150	10/21/20 14:00	10/22/20 11:09	1
13C3 PFBS	111		50 - 150	10/21/20 14:00	10/22/20 11:09	1

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-2I

Lab Sample ID: 480-176533-3

Date Collected: 10/13/20 16:20

Matrix: Water

Date Received: 10/15/20 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			10/19/20 22:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/19/20 22:33	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/19/20 22:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/19/20 22:33	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/19/20 22:33	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/19/20 22:33	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/19/20 22:33	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/19/20 22:33	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/19/20 22:33	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/19/20 22:33	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/19/20 22:33	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/19/20 22:33	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/19/20 22:33	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/19/20 22:33	1
2-Hexanone	ND		5.0	1.2	ug/L			10/19/20 22:33	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/19/20 22:33	1
Acetone	ND		10	3.0	ug/L			10/19/20 22:33	1
Benzene	ND		1.0	0.41	ug/L			10/19/20 22:33	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/19/20 22:33	1
Bromoform	ND		1.0	0.26	ug/L			10/19/20 22:33	1
Bromomethane	ND		1.0	0.69	ug/L			10/19/20 22:33	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/19/20 22:33	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/19/20 22:33	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/19/20 22:33	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/19/20 22:33	1
Chloroethane	ND		1.0	0.32	ug/L			10/19/20 22:33	1
Chloroform	ND		1.0	0.34	ug/L			10/19/20 22:33	1
Chloromethane	ND		1.0	0.35	ug/L			10/19/20 22:33	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/19/20 22:33	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/19/20 22:33	1
Cyclohexane	ND		1.0	0.18	ug/L			10/19/20 22:33	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/19/20 22:33	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/19/20 22:33	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/19/20 22:33	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/19/20 22:33	1
Methyl acetate	ND		2.5	1.3	ug/L			10/19/20 22:33	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/19/20 22:33	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/19/20 22:33	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/19/20 22:33	1
Styrene	ND		1.0	0.73	ug/L			10/19/20 22:33	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/19/20 22:33	1
Toluene	ND		1.0	0.51	ug/L			10/19/20 22:33	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/19/20 22:33	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/19/20 22:33	1
Trichloroethene	ND		1.0	0.46	ug/L			10/19/20 22:33	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/19/20 22:33	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/19/20 22:33	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/19/20 22:33	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-2I

Lab Sample ID: 480-176533-3

Date Collected: 10/13/20 16:20

Matrix: Water

Date Received: 10/15/20 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120		10/19/20 22:33	1
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		10/19/20 22:33	1
4-Bromofluorobenzene (Surr)	98		73 - 120		10/19/20 22:33	1
Dibromofluoromethane (Surr)	98		75 - 123		10/19/20 22:33	1

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.19	0.095	ug/L		10/18/20 08:36	10/23/20 01:31	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	24		15 - 110				10/18/20 08:36	10/23/20 01:31	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.5	1.0	ng/L		10/21/20 14:00	10/22/20 11:18	1
Perfluoropentanoic acid (PFPeA)	ND		1.8	0.97	ng/L		10/21/20 14:00	10/22/20 11:18	1
Perfluorohexanoic acid (PFHxA)	ND		1.8	0.74	ng/L		10/21/20 14:00	10/22/20 11:18	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8	0.41	ng/L		10/21/20 14:00	10/22/20 11:18	1
Perfluorooctanoic acid (PFOA)	1.3	J	1.8	0.88	ng/L		10/21/20 14:00	10/22/20 11:18	1
Perfluorononanoic acid (PFNA)	ND		1.8	0.52	ng/L		10/21/20 14:00	10/22/20 11:18	1
Perfluorodecanoic acid (PFDA)	ND		1.8	0.41	ng/L		10/21/20 14:00	10/22/20 11:18	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.65	ng/L		10/21/20 14:00	10/22/20 11:18	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.41	ng/L		10/21/20 14:00	10/22/20 11:18	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8	0.39	ng/L		10/21/20 14:00	10/22/20 11:18	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8	0.53	ng/L		10/21/20 14:00	10/22/20 11:18	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8	0.56	ng/L		10/21/20 14:00	10/22/20 11:18	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.60	ng/L		10/21/20 14:00	10/22/20 11:18	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8	0.35	ng/L		10/21/20 14:00	10/22/20 11:18	1
Perfluorooctanesulfonic acid (PFOS)	7.4		1.8	0.78	ng/L		10/21/20 14:00	10/22/20 11:18	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.43	ng/L		10/21/20 14:00	10/22/20 11:18	1
Perfluorooctanesulfonamide (PFOSA)	0.81	J	1.8	0.51	ng/L		10/21/20 14:00	10/22/20 11:18	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.5	0.71	ng/L		10/21/20 14:00	10/22/20 11:18	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.5	0.83	ng/L		10/21/20 14:00	10/22/20 11:18	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		4.5	0.65	ng/L		10/21/20 14:00	10/22/20 11:18	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.8	0.59	ng/L		10/21/20 14:00	10/22/20 11:18	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	115		50 - 150				10/21/20 14:00	10/22/20 11:18	1
13C4 PFHpA	109		50 - 150				10/21/20 14:00	10/22/20 11:18	1
13C4 PFOA	102		50 - 150				10/21/20 14:00	10/22/20 11:18	1
13C4 PFOS	109		50 - 150				10/21/20 14:00	10/22/20 11:18	1
13C5 PFNA	102		50 - 150				10/21/20 14:00	10/22/20 11:18	1
13C4 PFBA	121		25 - 150				10/21/20 14:00	10/22/20 11:18	1
13C2 PFHxA	113		50 - 150				10/21/20 14:00	10/22/20 11:18	1
13C2 PFDA	93		50 - 150				10/21/20 14:00	10/22/20 11:18	1
13C2 PFUnA	86		50 - 150				10/21/20 14:00	10/22/20 11:18	1
13C2 PFDoA	60		50 - 150				10/21/20 14:00	10/22/20 11:18	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-2I

Lab Sample ID: 480-176533-3

Date Collected: 10/13/20 16:20

Matrix: Water

Date Received: 10/15/20 08:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C8 FOSA	95		25 - 150	10/21/20 14:00	10/22/20 11:18	1
13C5 PFPeA	118		25 - 150	10/21/20 14:00	10/22/20 11:18	1
13C2 PFTeDA	72		50 - 150	10/21/20 14:00	10/22/20 11:18	1
d3-NMeFOSAA	77		50 - 150	10/21/20 14:00	10/22/20 11:18	1
d5-NEtFOSAA	81		50 - 150	10/21/20 14:00	10/22/20 11:18	1
M2-6:2 FTS	104		25 - 150	10/21/20 14:00	10/22/20 11:18	1
M2-8:2 FTS	108		25 - 150	10/21/20 14:00	10/22/20 11:18	1
13C3 PFBS	110		50 - 150	10/21/20 14:00	10/22/20 11:18	1

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-2D

Lab Sample ID: 480-176533-4

Date Collected: 10/13/20 15:30

Matrix: Water

Date Received: 10/15/20 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			10/19/20 22:57	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/19/20 22:57	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/19/20 22:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/19/20 22:57	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/19/20 22:57	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/19/20 22:57	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/19/20 22:57	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/19/20 22:57	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/19/20 22:57	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/19/20 22:57	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/19/20 22:57	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/19/20 22:57	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/19/20 22:57	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/19/20 22:57	1
2-Hexanone	ND		5.0	1.2	ug/L			10/19/20 22:57	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/19/20 22:57	1
Acetone	ND		10	3.0	ug/L			10/19/20 22:57	1
Benzene	ND		1.0	0.41	ug/L			10/19/20 22:57	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/19/20 22:57	1
Bromoform	ND		1.0	0.26	ug/L			10/19/20 22:57	1
Bromomethane	ND		1.0	0.69	ug/L			10/19/20 22:57	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/19/20 22:57	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/19/20 22:57	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/19/20 22:57	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/19/20 22:57	1
Chloroethane	ND		1.0	0.32	ug/L			10/19/20 22:57	1
Chloroform	ND		1.0	0.34	ug/L			10/19/20 22:57	1
Chloromethane	ND		1.0	0.35	ug/L			10/19/20 22:57	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/19/20 22:57	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/19/20 22:57	1
Cyclohexane	ND		1.0	0.18	ug/L			10/19/20 22:57	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/19/20 22:57	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/19/20 22:57	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/19/20 22:57	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/19/20 22:57	1
Methyl acetate	ND		2.5	1.3	ug/L			10/19/20 22:57	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/19/20 22:57	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/19/20 22:57	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/19/20 22:57	1
Styrene	ND		1.0	0.73	ug/L			10/19/20 22:57	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/19/20 22:57	1
Toluene	ND		1.0	0.51	ug/L			10/19/20 22:57	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/19/20 22:57	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/19/20 22:57	1
Trichloroethene	ND		1.0	0.46	ug/L			10/19/20 22:57	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/19/20 22:57	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/19/20 22:57	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/19/20 22:57	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-2D

Lab Sample ID: 480-176533-4

Date Collected: 10/13/20 15:30

Matrix: Water

Date Received: 10/15/20 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		80 - 120		10/19/20 22:57	1
1,2-Dichloroethane-d4 (Surr)	105		77 - 120		10/19/20 22:57	1
4-Bromofluorobenzene (Surr)	94		73 - 120		10/19/20 22:57	1
Dibromofluoromethane (Surr)	99		75 - 123		10/19/20 22:57	1

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.19	0.095	ug/L		10/18/20 08:36	10/23/20 01:55	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	28		15 - 110				10/18/20 08:36	10/23/20 01:55	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.5	1.0	ng/L		10/21/20 14:00	10/22/20 11:26	1
Perfluoropentanoic acid (PFPeA)	ND		1.8	0.96	ng/L		10/21/20 14:00	10/22/20 11:26	1
Perfluorohexanoic acid (PFHxA)	ND		1.8	0.74	ng/L		10/21/20 14:00	10/22/20 11:26	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8	0.41	ng/L		10/21/20 14:00	10/22/20 11:26	1
Perfluorooctanoic acid (PFOA)	1.1	J	1.8	0.87	ng/L		10/21/20 14:00	10/22/20 11:26	1
Perfluorononanoic acid (PFNA)	ND		1.8	0.52	ng/L		10/21/20 14:00	10/22/20 11:26	1
Perfluorodecanoic acid (PFDA)	ND		1.8	0.41	ng/L		10/21/20 14:00	10/22/20 11:26	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.65	ng/L		10/21/20 14:00	10/22/20 11:26	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.41	ng/L		10/21/20 14:00	10/22/20 11:26	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8	0.38	ng/L		10/21/20 14:00	10/22/20 11:26	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8	0.53	ng/L		10/21/20 14:00	10/22/20 11:26	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8	0.56	ng/L		10/21/20 14:00	10/22/20 11:26	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.60	ng/L		10/21/20 14:00	10/22/20 11:26	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8	0.35	ng/L		10/21/20 14:00	10/22/20 11:26	1
Perfluorooctanesulfonic acid (PFOS)	3.0		1.8	0.78	ng/L		10/21/20 14:00	10/22/20 11:26	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.43	ng/L		10/21/20 14:00	10/22/20 11:26	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.51	ng/L		10/21/20 14:00	10/22/20 11:26	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.5	0.70	ng/L		10/21/20 14:00	10/22/20 11:26	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.5	0.83	ng/L		10/21/20 14:00	10/22/20 11:26	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		4.5	0.64	ng/L		10/21/20 14:00	10/22/20 11:26	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.8	0.59	ng/L		10/21/20 14:00	10/22/20 11:26	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	110		50 - 150				10/21/20 14:00	10/22/20 11:26	1
13C4 PFHpA	111		50 - 150				10/21/20 14:00	10/22/20 11:26	1
13C4 PFOA	103		50 - 150				10/21/20 14:00	10/22/20 11:26	1
13C4 PFOS	96		50 - 150				10/21/20 14:00	10/22/20 11:26	1
13C5 PFNA	97		50 - 150				10/21/20 14:00	10/22/20 11:26	1
13C4 PFBA	117		25 - 150				10/21/20 14:00	10/22/20 11:26	1
13C2 PFHxA	112		50 - 150				10/21/20 14:00	10/22/20 11:26	1
13C2 PFDA	79		50 - 150				10/21/20 14:00	10/22/20 11:26	1
13C2 PFUnA	74		50 - 150				10/21/20 14:00	10/22/20 11:26	1
13C2 PFDoA	59		50 - 150				10/21/20 14:00	10/22/20 11:26	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-2D

Lab Sample ID: 480-176533-4

Date Collected: 10/13/20 15:30

Matrix: Water

Date Received: 10/15/20 08:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C8 FOSA	86		25 - 150	10/21/20 14:00	10/22/20 11:26	1
13C5 PFPeA	116		25 - 150	10/21/20 14:00	10/22/20 11:26	1
13C2 PFTeDA	67		50 - 150	10/21/20 14:00	10/22/20 11:26	1
d3-NMeFOSAA	73		50 - 150	10/21/20 14:00	10/22/20 11:26	1
d5-NEtFOSAA	69		50 - 150	10/21/20 14:00	10/22/20 11:26	1
M2-6:2 FTS	111		25 - 150	10/21/20 14:00	10/22/20 11:26	1
M2-8:2 FTS	92		25 - 150	10/21/20 14:00	10/22/20 11:26	1
13C3 PFBS	106		50 - 150	10/21/20 14:00	10/22/20 11:26	1

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-3S

Lab Sample ID: 480-176533-5

Date Collected: 10/14/20 10:30

Matrix: Water

Date Received: 10/15/20 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		4.0	3.3	ug/L			10/19/20 23:20	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			10/19/20 23:20	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			10/19/20 23:20	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	1.2	ug/L			10/19/20 23:20	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			10/19/20 23:20	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			10/19/20 23:20	4
1,2,4-Trichlorobenzene	ND		4.0	1.6	ug/L			10/19/20 23:20	4
1,2-Dibromo-3-Chloropropane	ND		4.0	1.6	ug/L			10/19/20 23:20	4
1,2-Dichlorobenzene	ND		4.0	3.2	ug/L			10/19/20 23:20	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			10/19/20 23:20	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			10/19/20 23:20	4
1,3-Dichlorobenzene	ND		4.0	3.1	ug/L			10/19/20 23:20	4
1,4-Dichlorobenzene	ND		4.0	3.4	ug/L			10/19/20 23:20	4
2-Butanone (MEK)	ND		40	5.3	ug/L			10/19/20 23:20	4
2-Hexanone	ND		20	5.0	ug/L			10/19/20 23:20	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			10/19/20 23:20	4
Acetone	ND		40	12	ug/L			10/19/20 23:20	4
Benzene	ND		4.0	1.6	ug/L			10/19/20 23:20	4
Bromodichloromethane	ND		4.0	1.6	ug/L			10/19/20 23:20	4
Bromoform	ND		4.0	1.0	ug/L			10/19/20 23:20	4
Bromomethane	ND		4.0	2.8	ug/L			10/19/20 23:20	4
Carbon disulfide	ND		4.0	0.76	ug/L			10/19/20 23:20	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			10/19/20 23:20	4
Chlorobenzene	ND		4.0	3.0	ug/L			10/19/20 23:20	4
Dibromochloromethane	ND		4.0	1.3	ug/L			10/19/20 23:20	4
Chloroethane	ND		4.0	1.3	ug/L			10/19/20 23:20	4
Chloroform	ND		4.0	1.4	ug/L			10/19/20 23:20	4
Chloromethane	ND		4.0	1.4	ug/L			10/19/20 23:20	4
cis-1,2-Dichloroethene	ND		4.0	3.2	ug/L			10/19/20 23:20	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			10/19/20 23:20	4
Cyclohexane	ND		4.0	0.72	ug/L			10/19/20 23:20	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			10/19/20 23:20	4
Ethylbenzene	ND		4.0	3.0	ug/L			10/19/20 23:20	4
1,2-Dibromoethane	ND		4.0	2.9	ug/L			10/19/20 23:20	4
Isopropylbenzene	ND		4.0	3.2	ug/L			10/19/20 23:20	4
Methyl acetate	ND		10	5.2	ug/L			10/19/20 23:20	4
Methyl tert-butyl ether	ND		4.0	0.64	ug/L			10/19/20 23:20	4
Methylcyclohexane	ND		4.0	0.64	ug/L			10/19/20 23:20	4
Methylene Chloride	ND		4.0	1.8	ug/L			10/19/20 23:20	4
Styrene	ND		4.0	2.9	ug/L			10/19/20 23:20	4
Tetrachloroethene	ND		4.0	1.4	ug/L			10/19/20 23:20	4
Toluene	ND		4.0	2.0	ug/L			10/19/20 23:20	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			10/19/20 23:20	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			10/19/20 23:20	4
Trichloroethene	ND		4.0	1.8	ug/L			10/19/20 23:20	4
Trichlorofluoromethane	ND		4.0	3.5	ug/L			10/19/20 23:20	4
Vinyl chloride	ND		4.0	3.6	ug/L			10/19/20 23:20	4
Xylenes, Total	ND		8.0	2.6	ug/L			10/19/20 23:20	4

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-3S

Lab Sample ID: 480-176533-5

Date Collected: 10/14/20 10:30

Matrix: Water

Date Received: 10/15/20 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		80 - 120		10/19/20 23:20	4
1,2-Dichloroethane-d4 (Surr)	105		77 - 120		10/19/20 23:20	4
4-Bromofluorobenzene (Surr)	93		73 - 120		10/19/20 23:20	4
Dibromofluoromethane (Surr)	102		75 - 123		10/19/20 23:20	4

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.19	0.095	ug/L		10/18/20 08:36	10/23/20 02:19	1
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,4-Dioxane-d8	30		15 - 110				10/18/20 08:36	10/23/20 02:19	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	3.2	J	4.3	0.97	ng/L		10/21/20 14:00	10/22/20 11:34	1
Perfluoropentanoic acid (PFPeA)	8.8		1.7	0.93	ng/L		10/21/20 14:00	10/22/20 11:34	1
Perfluorohexanoic acid (PFHxA)	15		1.7	0.71	ng/L		10/21/20 14:00	10/22/20 11:34	1
Perfluoroheptanoic acid (PFHpA)	2.4		1.7	0.39	ng/L		10/21/20 14:00	10/22/20 11:34	1
Perfluorooctanoic acid (PFOA)	0.89	J	1.7	0.84	ng/L		10/21/20 14:00	10/22/20 11:34	1
Perfluorononanoic acid (PFNA)	ND		1.7	0.50	ng/L		10/21/20 14:00	10/22/20 11:34	1
Perfluorodecanoic acid (PFDA)	ND		1.7	0.39	ng/L		10/21/20 14:00	10/22/20 11:34	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.63	ng/L		10/21/20 14:00	10/22/20 11:34	1
Perfluorododecanoic acid (PFDoA)	ND		1.7	0.39	ng/L		10/21/20 14:00	10/22/20 11:34	1
Perfluorotridecanoic acid (PFTriA)	ND		1.7	0.37	ng/L		10/21/20 14:00	10/22/20 11:34	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.7	0.51	ng/L		10/21/20 14:00	10/22/20 11:34	1
Perfluorobutanesulfonic acid (PFBS)	33		1.7	0.54	ng/L		10/21/20 14:00	10/22/20 11:34	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.7	0.57	ng/L		10/21/20 14:00	10/22/20 11:34	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.7	0.33	ng/L		10/21/20 14:00	10/22/20 11:34	1
Perfluorooctanesulfonic acid (PFOS)	0.90	J	1.7	0.75	ng/L		10/21/20 14:00	10/22/20 11:34	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.41	ng/L		10/21/20 14:00	10/22/20 11:34	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.7	0.49	ng/L		10/21/20 14:00	10/22/20 11:34	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.3	0.68	ng/L		10/21/20 14:00	10/22/20 11:34	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.9	J	4.3	0.80	ng/L		10/21/20 14:00	10/22/20 11:34	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	1.2	J	4.3	0.62	ng/L		10/21/20 14:00	10/22/20 11:34	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.7	0.57	ng/L		10/21/20 14:00	10/22/20 11:34	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	105		50 - 150				10/21/20 14:00	10/22/20 11:34	1
13C4 PFHpA	106		50 - 150				10/21/20 14:00	10/22/20 11:34	1
13C4 PFOA	100		50 - 150				10/21/20 14:00	10/22/20 11:34	1
13C4 PFOS	96		50 - 150				10/21/20 14:00	10/22/20 11:34	1
13C5 PFNA	94		50 - 150				10/21/20 14:00	10/22/20 11:34	1
13C4 PFBA	96		25 - 150				10/21/20 14:00	10/22/20 11:34	1
13C2 PFHxA	106		50 - 150				10/21/20 14:00	10/22/20 11:34	1
13C2 PFDA	80		50 - 150				10/21/20 14:00	10/22/20 11:34	1
13C2 PFUnA	67		50 - 150				10/21/20 14:00	10/22/20 11:34	1
13C2 PFDoA	67		50 - 150				10/21/20 14:00	10/22/20 11:34	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-3S

Lab Sample ID: 480-176533-5

Date Collected: 10/14/20 10:30

Matrix: Water

Date Received: 10/15/20 08:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C8 FOSA	63		25 - 150	10/21/20 14:00	10/22/20 11:34	1
13C5 PFPeA	104		25 - 150	10/21/20 14:00	10/22/20 11:34	1
13C2 PFTeDA	73		50 - 150	10/21/20 14:00	10/22/20 11:34	1
d3-NMeFOSAA	68		50 - 150	10/21/20 14:00	10/22/20 11:34	1
d5-NEtFOSAA	81		50 - 150	10/21/20 14:00	10/22/20 11:34	1
M2-6:2 FTS	118		25 - 150	10/21/20 14:00	10/22/20 11:34	1
M2-8:2 FTS	101		25 - 150	10/21/20 14:00	10/22/20 11:34	1
13C3 PFBS	98		50 - 150	10/21/20 14:00	10/22/20 11:34	1

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-3I

Lab Sample ID: 480-176533-6

Date Collected: 10/14/20 09:25

Matrix: Water

Date Received: 10/15/20 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	0.84	J	1.0	0.82	ug/L			10/19/20 23:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/19/20 23:44	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/19/20 23:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/19/20 23:44	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/19/20 23:44	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/19/20 23:44	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/19/20 23:44	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/19/20 23:44	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/19/20 23:44	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/19/20 23:44	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/19/20 23:44	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/19/20 23:44	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/19/20 23:44	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/19/20 23:44	1
2-Hexanone	ND		5.0	1.2	ug/L			10/19/20 23:44	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/19/20 23:44	1
Acetone	ND		10	3.0	ug/L			10/19/20 23:44	1
Benzene	ND		1.0	0.41	ug/L			10/19/20 23:44	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/19/20 23:44	1
Bromoform	ND		1.0	0.26	ug/L			10/19/20 23:44	1
Bromomethane	ND		1.0	0.69	ug/L			10/19/20 23:44	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/19/20 23:44	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/19/20 23:44	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/19/20 23:44	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/19/20 23:44	1
Chloroethane	ND		1.0	0.32	ug/L			10/19/20 23:44	1
Chloroform	ND		1.0	0.34	ug/L			10/19/20 23:44	1
Chloromethane	ND		1.0	0.35	ug/L			10/19/20 23:44	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/19/20 23:44	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/19/20 23:44	1
Cyclohexane	ND		1.0	0.18	ug/L			10/19/20 23:44	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/19/20 23:44	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/19/20 23:44	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/19/20 23:44	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/19/20 23:44	1
Methyl acetate	ND		2.5	1.3	ug/L			10/19/20 23:44	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/19/20 23:44	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/19/20 23:44	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/19/20 23:44	1
Styrene	ND		1.0	0.73	ug/L			10/19/20 23:44	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/19/20 23:44	1
Toluene	ND		1.0	0.51	ug/L			10/19/20 23:44	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/19/20 23:44	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/19/20 23:44	1
Trichloroethene	ND		1.0	0.46	ug/L			10/19/20 23:44	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/19/20 23:44	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/19/20 23:44	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/19/20 23:44	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-3I

Lab Sample ID: 480-176533-6

Date Collected: 10/14/20 09:25

Matrix: Water

Date Received: 10/15/20 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		80 - 120		10/19/20 23:44	1
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		10/19/20 23:44	1
4-Bromofluorobenzene (Surr)	93		73 - 120		10/19/20 23:44	1
Dibromofluoromethane (Surr)	102		75 - 123		10/19/20 23:44	1

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.19	0.095	ug/L		10/18/20 08:36	10/23/20 02:42	1
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,4-Dioxane-d8	29		15 - 110				10/18/20 08:36	10/23/20 02:42	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.4	1.0	ng/L		10/21/20 14:00	10/22/20 11:43	1
Perfluoropentanoic acid (PFPeA)	ND		1.8	0.96	ng/L		10/21/20 14:00	10/22/20 11:43	1
Perfluorohexanoic acid (PFHxA)	ND		1.8	0.73	ng/L		10/21/20 14:00	10/22/20 11:43	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8	0.41	ng/L		10/21/20 14:00	10/22/20 11:43	1
Perfluorooctanoic acid (PFOA)	0.97	J	1.8	0.87	ng/L		10/21/20 14:00	10/22/20 11:43	1
Perfluorononanoic acid (PFNA)	ND		1.8	0.51	ng/L		10/21/20 14:00	10/22/20 11:43	1
Perfluorodecanoic acid (PFDA)	ND		1.8	0.41	ng/L		10/21/20 14:00	10/22/20 11:43	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.65	ng/L		10/21/20 14:00	10/22/20 11:43	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.41	ng/L		10/21/20 14:00	10/22/20 11:43	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8	0.38	ng/L		10/21/20 14:00	10/22/20 11:43	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8	0.52	ng/L		10/21/20 14:00	10/22/20 11:43	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8	0.56	ng/L		10/21/20 14:00	10/22/20 11:43	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.59	ng/L		10/21/20 14:00	10/22/20 11:43	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8	0.35	ng/L		10/21/20 14:00	10/22/20 11:43	1
Perfluorooctanesulfonic acid (PFOS)	1.4	J	1.8	0.77	ng/L		10/21/20 14:00	10/22/20 11:43	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.42	ng/L		10/21/20 14:00	10/22/20 11:43	1
Perfluorooctanesulfonamide (PFOSA)	0.84	J	1.8	0.50	ng/L		10/21/20 14:00	10/22/20 11:43	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.4	0.70	ng/L		10/21/20 14:00	10/22/20 11:43	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.4	0.82	ng/L		10/21/20 14:00	10/22/20 11:43	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		4.4	0.64	ng/L		10/21/20 14:00	10/22/20 11:43	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.8	0.58	ng/L		10/21/20 14:00	10/22/20 11:43	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	107		50 - 150				10/21/20 14:00	10/22/20 11:43	1
13C4 PFHpA	106		50 - 150				10/21/20 14:00	10/22/20 11:43	1
13C4 PFOA	100		50 - 150				10/21/20 14:00	10/22/20 11:43	1
13C4 PFOS	97		50 - 150				10/21/20 14:00	10/22/20 11:43	1
13C5 PFNA	91		50 - 150				10/21/20 14:00	10/22/20 11:43	1
13C4 PFBA	122		25 - 150				10/21/20 14:00	10/22/20 11:43	1
13C2 PFHxA	113		50 - 150				10/21/20 14:00	10/22/20 11:43	1
13C2 PFDA	76		50 - 150				10/21/20 14:00	10/22/20 11:43	1
13C2 PFUnA	70		50 - 150				10/21/20 14:00	10/22/20 11:43	1
13C2 PFDoA	54		50 - 150				10/21/20 14:00	10/22/20 11:43	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-3I

Lab Sample ID: 480-176533-6

Date Collected: 10/14/20 09:25

Matrix: Water

Date Received: 10/15/20 08:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C8 FOSA	82		25 - 150	10/21/20 14:00	10/22/20 11:43	1
13C5 PFPeA	118		25 - 150	10/21/20 14:00	10/22/20 11:43	1
13C2 PFTeDA	57		50 - 150	10/21/20 14:00	10/22/20 11:43	1
d3-NMeFOSAA	76		50 - 150	10/21/20 14:00	10/22/20 11:43	1
d5-NEtFOSAA	73		50 - 150	10/21/20 14:00	10/22/20 11:43	1
M2-6:2 FTS	107		25 - 150	10/21/20 14:00	10/22/20 11:43	1
M2-8:2 FTS	86		25 - 150	10/21/20 14:00	10/22/20 11:43	1
13C3 PFBS	108		50 - 150	10/21/20 14:00	10/22/20 11:43	1

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-3D

Lab Sample ID: 480-176533-7

Date Collected: 10/14/20 11:20

Matrix: Water

Date Received: 10/15/20 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			10/20/20 00:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/20/20 00:08	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/20/20 00:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/20/20 00:08	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/20/20 00:08	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/20/20 00:08	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/20/20 00:08	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/20/20 00:08	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/20/20 00:08	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/20/20 00:08	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/20/20 00:08	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/20/20 00:08	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/20/20 00:08	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/20/20 00:08	1
2-Hexanone	ND		5.0	1.2	ug/L			10/20/20 00:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/20/20 00:08	1
Acetone	ND		10	3.0	ug/L			10/20/20 00:08	1
Benzene	ND		1.0	0.41	ug/L			10/20/20 00:08	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/20/20 00:08	1
Bromoform	ND		1.0	0.26	ug/L			10/20/20 00:08	1
Bromomethane	ND		1.0	0.69	ug/L			10/20/20 00:08	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/20/20 00:08	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/20/20 00:08	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/20/20 00:08	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/20/20 00:08	1
Chloroethane	ND		1.0	0.32	ug/L			10/20/20 00:08	1
Chloroform	ND		1.0	0.34	ug/L			10/20/20 00:08	1
Chloromethane	ND		1.0	0.35	ug/L			10/20/20 00:08	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/20/20 00:08	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/20/20 00:08	1
Cyclohexane	ND		1.0	0.18	ug/L			10/20/20 00:08	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/20/20 00:08	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/20/20 00:08	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/20/20 00:08	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/20/20 00:08	1
Methyl acetate	ND		2.5	1.3	ug/L			10/20/20 00:08	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/20/20 00:08	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/20/20 00:08	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/20/20 00:08	1
Styrene	ND		1.0	0.73	ug/L			10/20/20 00:08	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/20/20 00:08	1
Toluene	ND		1.0	0.51	ug/L			10/20/20 00:08	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/20/20 00:08	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/20/20 00:08	1
Trichloroethene	ND		1.0	0.46	ug/L			10/20/20 00:08	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/20/20 00:08	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/20/20 00:08	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/20/20 00:08	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-3D

Lab Sample ID: 480-176533-7

Date Collected: 10/14/20 11:20

Matrix: Water

Date Received: 10/15/20 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		80 - 120		10/20/20 00:08	1
1,2-Dichloroethane-d4 (Surr)	105		77 - 120		10/20/20 00:08	1
4-Bromofluorobenzene (Surr)	90		73 - 120		10/20/20 00:08	1
Dibromofluoromethane (Surr)	99		75 - 123		10/20/20 00:08	1

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.19	0.095	ug/L		10/18/20 08:36	10/23/20 03:06	1
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,4-Dioxane-d8	29		15 - 110				10/18/20 08:36	10/23/20 03:06	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.2	0.96	ng/L		10/21/20 14:00	10/22/20 11:51	1
Perfluoropentanoic acid (PFPeA)	ND		1.7	0.91	ng/L		10/21/20 14:00	10/22/20 11:51	1
Perfluorohexanoic acid (PFHxA)	ND		1.7	0.70	ng/L		10/21/20 14:00	10/22/20 11:51	1
Perfluoroheptanoic acid (PFHpA)	ND		1.7	0.39	ng/L		10/21/20 14:00	10/22/20 11:51	1
Perfluorooctanoic acid (PFOA)	1.2	J	1.7	0.83	ng/L		10/21/20 14:00	10/22/20 11:51	1
Perfluorononanoic acid (PFNA)	ND		1.7	0.49	ng/L		10/21/20 14:00	10/22/20 11:51	1
Perfluorodecanoic acid (PFDA)	ND		1.7	0.39	ng/L		10/21/20 14:00	10/22/20 11:51	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.62	ng/L		10/21/20 14:00	10/22/20 11:51	1
Perfluorododecanoic acid (PFDoA)	ND		1.7	0.39	ng/L		10/21/20 14:00	10/22/20 11:51	1
Perfluorotridecanoic acid (PFTriA)	ND		1.7	0.36	ng/L		10/21/20 14:00	10/22/20 11:51	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.7	0.50	ng/L		10/21/20 14:00	10/22/20 11:51	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.7	0.53	ng/L		10/21/20 14:00	10/22/20 11:51	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.7	0.57	ng/L		10/21/20 14:00	10/22/20 11:51	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.7	0.33	ng/L		10/21/20 14:00	10/22/20 11:51	1
Perfluorooctanesulfonic acid (PFOS)	4.5		1.7	0.74	ng/L		10/21/20 14:00	10/22/20 11:51	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.41	ng/L		10/21/20 14:00	10/22/20 11:51	1
Perfluorooctanesulfonamide (PFOSA)	2.2		1.7	0.48	ng/L		10/21/20 14:00	10/22/20 11:51	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.2	0.67	ng/L		10/21/20 14:00	10/22/20 11:51	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.2	0.79	ng/L		10/21/20 14:00	10/22/20 11:51	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		4.2	0.61	ng/L		10/21/20 14:00	10/22/20 11:51	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.7	0.56	ng/L		10/21/20 14:00	10/22/20 11:51	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	109		50 - 150				10/21/20 14:00	10/22/20 11:51	1
13C4 PFHpA	110		50 - 150				10/21/20 14:00	10/22/20 11:51	1
13C4 PFOA	104		50 - 150				10/21/20 14:00	10/22/20 11:51	1
13C4 PFOS	106		50 - 150				10/21/20 14:00	10/22/20 11:51	1
13C5 PFNA	97		50 - 150				10/21/20 14:00	10/22/20 11:51	1
13C4 PFBA	117		25 - 150				10/21/20 14:00	10/22/20 11:51	1
13C2 PFHxA	110		50 - 150				10/21/20 14:00	10/22/20 11:51	1
13C2 PFDA	87		50 - 150				10/21/20 14:00	10/22/20 11:51	1
13C2 PFUnA	79		50 - 150				10/21/20 14:00	10/22/20 11:51	1
13C2 PFDoA	66		50 - 150				10/21/20 14:00	10/22/20 11:51	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-3D

Lab Sample ID: 480-176533-7

Date Collected: 10/14/20 11:20

Matrix: Water

Date Received: 10/15/20 08:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C8 FOSA	90		25 - 150	10/21/20 14:00	10/22/20 11:51	1
13C5 PFPeA	116		25 - 150	10/21/20 14:00	10/22/20 11:51	1
13C2 PFTeDA	69		50 - 150	10/21/20 14:00	10/22/20 11:51	1
d3-NMeFOSAA	71		50 - 150	10/21/20 14:00	10/22/20 11:51	1
d5-NEtFOSAA	72		50 - 150	10/21/20 14:00	10/22/20 11:51	1
M2-6:2 FTS	111		25 - 150	10/21/20 14:00	10/22/20 11:51	1
M2-8:2 FTS	99		25 - 150	10/21/20 14:00	10/22/20 11:51	1
13C3 PFBS	111		50 - 150	10/21/20 14:00	10/22/20 11:51	1

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-4I

Lab Sample ID: 480-176533-8

Date Collected: 10/13/20 14:20

Matrix: Water

Date Received: 10/15/20 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	17		1.0	0.82	ug/L			10/20/20 00:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/20/20 00:33	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/20/20 00:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/20/20 00:33	1
1,1-Dichloroethane	3.7		1.0	0.38	ug/L			10/20/20 00:33	1
1,1-Dichloroethene	0.29	J	1.0	0.29	ug/L			10/20/20 00:33	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/20/20 00:33	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/20/20 00:33	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/20/20 00:33	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/20/20 00:33	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/20/20 00:33	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/20/20 00:33	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/20/20 00:33	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/20/20 00:33	1
2-Hexanone	ND		5.0	1.2	ug/L			10/20/20 00:33	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/20/20 00:33	1
Acetone	ND		10	3.0	ug/L			10/20/20 00:33	1
Benzene	ND		1.0	0.41	ug/L			10/20/20 00:33	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/20/20 00:33	1
Bromoform	ND		1.0	0.26	ug/L			10/20/20 00:33	1
Bromomethane	ND		1.0	0.69	ug/L			10/20/20 00:33	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/20/20 00:33	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/20/20 00:33	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/20/20 00:33	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/20/20 00:33	1
Chloroethane	0.87	J	1.0	0.32	ug/L			10/20/20 00:33	1
Chloroform	ND		1.0	0.34	ug/L			10/20/20 00:33	1
Chloromethane	ND		1.0	0.35	ug/L			10/20/20 00:33	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/20/20 00:33	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/20/20 00:33	1
Cyclohexane	ND		1.0	0.18	ug/L			10/20/20 00:33	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/20/20 00:33	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/20/20 00:33	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/20/20 00:33	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/20/20 00:33	1
Methyl acetate	ND		2.5	1.3	ug/L			10/20/20 00:33	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/20/20 00:33	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/20/20 00:33	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/20/20 00:33	1
Styrene	ND		1.0	0.73	ug/L			10/20/20 00:33	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/20/20 00:33	1
Toluene	ND		1.0	0.51	ug/L			10/20/20 00:33	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/20/20 00:33	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/20/20 00:33	1
Trichloroethene	ND		1.0	0.46	ug/L			10/20/20 00:33	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/20/20 00:33	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/20/20 00:33	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/20/20 00:33	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-4I

Lab Sample ID: 480-176533-8

Date Collected: 10/13/20 14:20

Matrix: Water

Date Received: 10/15/20 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120		10/20/20 00:33	1
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		10/20/20 00:33	1
4-Bromofluorobenzene (Surr)	97		73 - 120		10/20/20 00:33	1
Dibromofluoromethane (Surr)	103		75 - 123		10/20/20 00:33	1

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.19	0.095	ug/L		10/18/20 08:36	10/23/20 03:29	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	27		15 - 110				10/18/20 08:36	10/23/20 03:29	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.0	0.90	ng/L		10/21/20 14:00	10/22/20 11:59	1
Perfluoropentanoic acid (PFPeA)	ND		1.6	0.86	ng/L		10/21/20 14:00	10/22/20 11:59	1
Perfluorohexanoic acid (PFHxA)	ND		1.6	0.66	ng/L		10/21/20 14:00	10/22/20 11:59	1
Perfluoroheptanoic acid (PFHpA)	ND		1.6	0.37	ng/L		10/21/20 14:00	10/22/20 11:59	1
Perfluorooctanoic acid (PFOA)	ND		1.6	0.78	ng/L		10/21/20 14:00	10/22/20 11:59	1
Perfluorononanoic acid (PFNA)	ND		1.6	0.46	ng/L		10/21/20 14:00	10/22/20 11:59	1
Perfluorodecanoic acid (PFDA)	ND		1.6	0.37	ng/L		10/21/20 14:00	10/22/20 11:59	1
Perfluoroundecanoic acid (PFUnA)	ND		1.6	0.58	ng/L		10/21/20 14:00	10/22/20 11:59	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.37	ng/L		10/21/20 14:00	10/22/20 11:59	1
Perfluorotridecanoic acid (PFTriA)	ND		1.6	0.34	ng/L		10/21/20 14:00	10/22/20 11:59	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.6	0.47	ng/L		10/21/20 14:00	10/22/20 11:59	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.6	0.50	ng/L		10/21/20 14:00	10/22/20 11:59	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.6	0.54	ng/L		10/21/20 14:00	10/22/20 11:59	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.6	0.31	ng/L		10/21/20 14:00	10/22/20 11:59	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.6	0.70	ng/L		10/21/20 14:00	10/22/20 11:59	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.38	ng/L		10/21/20 14:00	10/22/20 11:59	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.6	0.46	ng/L		10/21/20 14:00	10/22/20 11:59	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.0	0.63	ng/L		10/21/20 14:00	10/22/20 11:59	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.0	0.74	ng/L		10/21/20 14:00	10/22/20 11:59	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		4.0	0.58	ng/L		10/21/20 14:00	10/22/20 11:59	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.6	0.53	ng/L		10/21/20 14:00	10/22/20 11:59	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	115		50 - 150				10/21/20 14:00	10/22/20 11:59	1
13C4 PFHpA	112		50 - 150				10/21/20 14:00	10/22/20 11:59	1
13C4 PFOA	102		50 - 150				10/21/20 14:00	10/22/20 11:59	1
13C4 PFOS	104		50 - 150				10/21/20 14:00	10/22/20 11:59	1
13C5 PFNA	98		50 - 150				10/21/20 14:00	10/22/20 11:59	1
13C4 PFBA	118		25 - 150				10/21/20 14:00	10/22/20 11:59	1
13C2 PFHxA	118		50 - 150				10/21/20 14:00	10/22/20 11:59	1
13C2 PFDA	88		50 - 150				10/21/20 14:00	10/22/20 11:59	1
13C2 PFUnA	79		50 - 150				10/21/20 14:00	10/22/20 11:59	1
13C2 PFDoA	62		50 - 150				10/21/20 14:00	10/22/20 11:59	1
13C8 FOSA	93		25 - 150				10/21/20 14:00	10/22/20 11:59	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-4I

Lab Sample ID: 480-176533-8

Date Collected: 10/13/20 14:20

Matrix: Water

Date Received: 10/15/20 08:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C5 PFPeA	122		25 - 150	10/21/20 14:00	10/22/20 11:59	1
13C2 PFTeDA	72		50 - 150	10/21/20 14:00	10/22/20 11:59	1
d3-NMeFOSAA	76		50 - 150	10/21/20 14:00	10/22/20 11:59	1
d5-NEtFOSAA	75		50 - 150	10/21/20 14:00	10/22/20 11:59	1
M2-6:2 FTS	112		25 - 150	10/21/20 14:00	10/22/20 11:59	1
M2-8:2 FTS	110		25 - 150	10/21/20 14:00	10/22/20 11:59	1
13C3 PFBS	110		50 - 150	10/21/20 14:00	10/22/20 11:59	1

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-5S

Lab Sample ID: 480-176533-9

Date Collected: 10/13/20 09:35

Matrix: Water

Date Received: 10/15/20 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	5.2		1.0	0.82	ug/L			10/20/20 00:57	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/20/20 00:57	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/20/20 00:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/20/20 00:57	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/20/20 00:57	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/20/20 00:57	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/20/20 00:57	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/20/20 00:57	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/20/20 00:57	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/20/20 00:57	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/20/20 00:57	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/20/20 00:57	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/20/20 00:57	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/20/20 00:57	1
2-Hexanone	ND		5.0	1.2	ug/L			10/20/20 00:57	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/20/20 00:57	1
Acetone	ND		10	3.0	ug/L			10/20/20 00:57	1
Benzene	ND		1.0	0.41	ug/L			10/20/20 00:57	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/20/20 00:57	1
Bromoform	ND		1.0	0.26	ug/L			10/20/20 00:57	1
Bromomethane	ND		1.0	0.69	ug/L			10/20/20 00:57	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/20/20 00:57	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/20/20 00:57	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/20/20 00:57	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/20/20 00:57	1
Chloroethane	ND		1.0	0.32	ug/L			10/20/20 00:57	1
Chloroform	ND		1.0	0.34	ug/L			10/20/20 00:57	1
Chloromethane	ND		1.0	0.35	ug/L			10/20/20 00:57	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/20/20 00:57	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/20/20 00:57	1
Cyclohexane	ND		1.0	0.18	ug/L			10/20/20 00:57	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/20/20 00:57	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/20/20 00:57	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/20/20 00:57	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/20/20 00:57	1
Methyl acetate	ND		2.5	1.3	ug/L			10/20/20 00:57	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/20/20 00:57	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/20/20 00:57	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/20/20 00:57	1
Styrene	ND		1.0	0.73	ug/L			10/20/20 00:57	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/20/20 00:57	1
Toluene	ND		1.0	0.51	ug/L			10/20/20 00:57	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/20/20 00:57	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/20/20 00:57	1
Trichloroethene	ND		1.0	0.46	ug/L			10/20/20 00:57	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/20/20 00:57	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/20/20 00:57	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/20/20 00:57	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-5S

Lab Sample ID: 480-176533-9

Date Collected: 10/13/20 09:35

Matrix: Water

Date Received: 10/15/20 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120		10/20/20 00:57	1
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		10/20/20 00:57	1
4-Bromofluorobenzene (Surr)	94		73 - 120		10/20/20 00:57	1
Dibromofluoromethane (Surr)	100		75 - 123		10/20/20 00:57	1

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.19	0.095	ug/L		10/18/20 08:36	10/23/20 03:53	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	28		15 - 110				10/18/20 08:36	10/23/20 03:53	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	2.7	J	4.5	1.0	ng/L		10/21/20 14:00	10/22/20 12:07	1
Perfluoropentanoic acid (PFPeA)	2.5		1.8	0.96	ng/L		10/21/20 14:00	10/22/20 12:07	1
Perfluorohexanoic acid (PFHxA)	2.2		1.8	0.74	ng/L		10/21/20 14:00	10/22/20 12:07	1
Perfluoroheptanoic acid (PFHpA)	1.7	J	1.8	0.41	ng/L		10/21/20 14:00	10/22/20 12:07	1
Perfluorooctanoic acid (PFOA)	5.5		1.8	0.87	ng/L		10/21/20 14:00	10/22/20 12:07	1
Perfluorononanoic acid (PFNA)	ND		1.8	0.52	ng/L		10/21/20 14:00	10/22/20 12:07	
Perfluorodecanoic acid (PFDA)	ND		1.8	0.41	ng/L		10/21/20 14:00	10/22/20 12:07	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.65	ng/L		10/21/20 14:00	10/22/20 12:07	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.41	ng/L		10/21/20 14:00	10/22/20 12:07	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8	0.38	ng/L		10/21/20 14:00	10/22/20 12:07	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8	0.53	ng/L		10/21/20 14:00	10/22/20 12:07	1
Perfluorobutanesulfonic acid (PFBS)	3.4		1.8	0.56	ng/L		10/21/20 14:00	10/22/20 12:07	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.60	ng/L		10/21/20 14:00	10/22/20 12:07	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8	0.35	ng/L		10/21/20 14:00	10/22/20 12:07	1
Perfluorooctanesulfonic acid (PFOS)	6.6		1.8	0.78	ng/L		10/21/20 14:00	10/22/20 12:07	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.43	ng/L		10/21/20 14:00	10/22/20 12:07	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.51	ng/L		10/21/20 14:00	10/22/20 12:07	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.5	0.70	ng/L		10/21/20 14:00	10/22/20 12:07	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.5	0.83	ng/L		10/21/20 14:00	10/22/20 12:07	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		4.5	0.64	ng/L		10/21/20 14:00	10/22/20 12:07	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.8	0.59	ng/L		10/21/20 14:00	10/22/20 12:07	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	114		50 - 150				10/21/20 14:00	10/22/20 12:07	1
13C4 PFHpA	115		50 - 150				10/21/20 14:00	10/22/20 12:07	1
13C4 PFOA	106		50 - 150				10/21/20 14:00	10/22/20 12:07	1
13C4 PFOS	111		50 - 150				10/21/20 14:00	10/22/20 12:07	1
13C5 PFNA	106		50 - 150				10/21/20 14:00	10/22/20 12:07	1
13C4 PFBA	117		25 - 150				10/21/20 14:00	10/22/20 12:07	1
13C2 PFHxA	120		50 - 150				10/21/20 14:00	10/22/20 12:07	1
13C2 PFDA	93		50 - 150				10/21/20 14:00	10/22/20 12:07	1
13C2 PFUnA	86		50 - 150				10/21/20 14:00	10/22/20 12:07	1
13C2 PFDoA	65		50 - 150				10/21/20 14:00	10/22/20 12:07	

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-5S

Lab Sample ID: 480-176533-9

Date Collected: 10/13/20 09:35

Matrix: Water

Date Received: 10/15/20 08:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C8 FOSA	93		25 - 150	10/21/20 14:00	10/22/20 12:07	1
13C5 PFPeA	120		25 - 150	10/21/20 14:00	10/22/20 12:07	1
13C2 PFTeDA	73		50 - 150	10/21/20 14:00	10/22/20 12:07	1
d3-NMeFOSAA	80		50 - 150	10/21/20 14:00	10/22/20 12:07	1
d5-NEtFOSAA	85		50 - 150	10/21/20 14:00	10/22/20 12:07	1
M2-6:2 FTS	108		25 - 150	10/21/20 14:00	10/22/20 12:07	1
M2-8:2 FTS	110		25 - 150	10/21/20 14:00	10/22/20 12:07	1
13C3 PFBS	112		50 - 150	10/21/20 14:00	10/22/20 12:07	1

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-5I

Lab Sample ID: 480-176533-10

Date Collected: 10/12/20 17:20

Matrix: Water

Date Received: 10/15/20 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			10/20/20 01:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/20/20 01:21	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/20/20 01:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/20/20 01:21	1
1,1-Dichloroethane	0.39	J	1.0	0.38	ug/L			10/20/20 01:21	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/20/20 01:21	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/20/20 01:21	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/20/20 01:21	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/20/20 01:21	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/20/20 01:21	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/20/20 01:21	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/20/20 01:21	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/20/20 01:21	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/20/20 01:21	1
2-Hexanone	ND		5.0	1.2	ug/L			10/20/20 01:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/20/20 01:21	1
Acetone	ND		10	3.0	ug/L			10/20/20 01:21	1
Benzene	ND		1.0	0.41	ug/L			10/20/20 01:21	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/20/20 01:21	1
Bromoform	ND		1.0	0.26	ug/L			10/20/20 01:21	1
Bromomethane	ND		1.0	0.69	ug/L			10/20/20 01:21	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/20/20 01:21	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/20/20 01:21	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/20/20 01:21	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/20/20 01:21	1
Chloroethane	ND		1.0	0.32	ug/L			10/20/20 01:21	1
Chloroform	ND		1.0	0.34	ug/L			10/20/20 01:21	1
Chloromethane	ND		1.0	0.35	ug/L			10/20/20 01:21	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/20/20 01:21	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/20/20 01:21	1
Cyclohexane	ND		1.0	0.18	ug/L			10/20/20 01:21	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/20/20 01:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/20/20 01:21	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/20/20 01:21	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/20/20 01:21	1
Methyl acetate	ND		2.5	1.3	ug/L			10/20/20 01:21	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/20/20 01:21	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/20/20 01:21	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/20/20 01:21	1
Styrene	ND		1.0	0.73	ug/L			10/20/20 01:21	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/20/20 01:21	1
Toluene	ND		1.0	0.51	ug/L			10/20/20 01:21	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/20/20 01:21	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/20/20 01:21	1
Trichloroethene	ND		1.0	0.46	ug/L			10/20/20 01:21	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/20/20 01:21	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/20/20 01:21	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/20/20 01:21	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-5I

Lab Sample ID: 480-176533-10

Date Collected: 10/12/20 17:20

Matrix: Water

Date Received: 10/15/20 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		80 - 120		10/20/20 01:21	1
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		10/20/20 01:21	1
4-Bromofluorobenzene (Surr)	94		73 - 120		10/20/20 01:21	1
Dibromofluoromethane (Surr)	98		75 - 123		10/20/20 01:21	1

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.17	J	0.19	0.095	ug/L		10/18/20 08:36	10/23/20 04:16	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	29		15 - 110				10/18/20 08:36	10/23/20 04:16	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	1.2	J	4.6	1.0	ng/L		10/21/20 14:00	10/22/20 12:16	1
Perfluoropentanoic acid (PFPeA)	1.1	J	1.8	0.99	ng/L		10/21/20 14:00	10/22/20 12:16	1
Perfluorohexanoic acid (PFHxA)	0.95	J	1.8	0.76	ng/L		10/21/20 14:00	10/22/20 12:16	1
Perfluoroheptanoic acid (PFHpA)	0.51	J	1.8	0.42	ng/L		10/21/20 14:00	10/22/20 12:16	1
Perfluorooctanoic acid (PFOA)	2.3		1.8	0.90	ng/L		10/21/20 14:00	10/22/20 12:16	1
Perfluorononanoic acid (PFNA)	ND		1.8	0.53	ng/L		10/21/20 14:00	10/22/20 12:16	
Perfluorodecanoic acid (PFDA)	ND		1.8	0.42	ng/L		10/21/20 14:00	10/22/20 12:16	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.67	ng/L		10/21/20 14:00	10/22/20 12:16	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.42	ng/L		10/21/20 14:00	10/22/20 12:16	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8	0.39	ng/L		10/21/20 14:00	10/22/20 12:16	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8	0.54	ng/L		10/21/20 14:00	10/22/20 12:16	1
Perfluorobutanesulfonic acid (PFBS)	6.7		1.8	0.58	ng/L		10/21/20 14:00	10/22/20 12:16	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.61	ng/L		10/21/20 14:00	10/22/20 12:16	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8	0.36	ng/L		10/21/20 14:00	10/22/20 12:16	1
Perfluorooctanesulfonic acid (PFOS)	8.5		1.8	0.80	ng/L		10/21/20 14:00	10/22/20 12:16	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.44	ng/L		10/21/20 14:00	10/22/20 12:16	1
Perfluorooctanesulfonamide (PFOSA)	0.97	J	1.8	0.52	ng/L		10/21/20 14:00	10/22/20 12:16	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.6	0.72	ng/L		10/21/20 14:00	10/22/20 12:16	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.6	0.85	ng/L		10/21/20 14:00	10/22/20 12:16	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		4.6	0.66	ng/L		10/21/20 14:00	10/22/20 12:16	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.8	0.60	ng/L		10/21/20 14:00	10/22/20 12:16	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	103		50 - 150				10/21/20 14:00	10/22/20 12:16	1
13C4 PFHpA	125		50 - 150				10/21/20 14:00	10/22/20 12:16	1
13C4 PFOA	98		50 - 150				10/21/20 14:00	10/22/20 12:16	1
13C4 PFOS	93		50 - 150				10/21/20 14:00	10/22/20 12:16	1
13C5 PFNA	102		50 - 150				10/21/20 14:00	10/22/20 12:16	1
13C4 PFBA	103		25 - 150				10/21/20 14:00	10/22/20 12:16	1
13C2 PFHxA	106		50 - 150				10/21/20 14:00	10/22/20 12:16	1
13C2 PFDA	103		50 - 150				10/21/20 14:00	10/22/20 12:16	1
13C2 PFUnA	80		50 - 150				10/21/20 14:00	10/22/20 12:16	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-5I

Lab Sample ID: 480-176533-10

Date Collected: 10/12/20 17:20

Matrix: Water

Date Received: 10/15/20 08:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C2 PFDoA	76		50 - 150	10/21/20 14:00	10/22/20 12:16	1
13C8 FOSA	75		25 - 150	10/21/20 14:00	10/22/20 12:16	1
13C5 PFPeA	109		25 - 150	10/21/20 14:00	10/22/20 12:16	1
13C2 PFTeDA	74		50 - 150	10/21/20 14:00	10/22/20 12:16	1
d3-NMeFOSAA	71		50 - 150	10/21/20 14:00	10/22/20 12:16	1
d5-NEtFOSAA	72		50 - 150	10/21/20 14:00	10/22/20 12:16	1
M2-6:2 FTS	126		25 - 150	10/21/20 14:00	10/22/20 12:16	1
M2-8:2 FTS	144		25 - 150	10/21/20 14:00	10/22/20 12:16	1
13C3 PFBS	96		50 - 150	10/21/20 14:00	10/22/20 12:16	1

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-5D

Lab Sample ID: 480-176533-11

Date Collected: 10/12/20 16:00

Matrix: Water

Date Received: 10/15/20 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	11		1.0	0.82	ug/L			10/20/20 01:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/20/20 01:44	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/20/20 01:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/20/20 01:44	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/20/20 01:44	1
1,1-Dichloroethene	0.46	J	1.0	0.29	ug/L			10/20/20 01:44	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/20/20 01:44	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/20/20 01:44	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/20/20 01:44	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/20/20 01:44	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/20/20 01:44	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/20/20 01:44	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/20/20 01:44	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/20/20 01:44	1
2-Hexanone	ND		5.0	1.2	ug/L			10/20/20 01:44	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/20/20 01:44	1
Acetone	ND		10	3.0	ug/L			10/20/20 01:44	1
Benzene	ND		1.0	0.41	ug/L			10/20/20 01:44	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/20/20 01:44	1
Bromoform	ND		1.0	0.26	ug/L			10/20/20 01:44	1
Bromomethane	ND		1.0	0.69	ug/L			10/20/20 01:44	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/20/20 01:44	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/20/20 01:44	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/20/20 01:44	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/20/20 01:44	1
Chloroethane	ND		1.0	0.32	ug/L			10/20/20 01:44	1
Chloroform	ND		1.0	0.34	ug/L			10/20/20 01:44	1
Chloromethane	ND		1.0	0.35	ug/L			10/20/20 01:44	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/20/20 01:44	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/20/20 01:44	1
Cyclohexane	ND		1.0	0.18	ug/L			10/20/20 01:44	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/20/20 01:44	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/20/20 01:44	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/20/20 01:44	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/20/20 01:44	1
Methyl acetate	ND		2.5	1.3	ug/L			10/20/20 01:44	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/20/20 01:44	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/20/20 01:44	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/20/20 01:44	1
Styrene	ND		1.0	0.73	ug/L			10/20/20 01:44	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/20/20 01:44	1
Toluene	ND		1.0	0.51	ug/L			10/20/20 01:44	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/20/20 01:44	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/20/20 01:44	1
Trichloroethene	ND		1.0	0.46	ug/L			10/20/20 01:44	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/20/20 01:44	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/20/20 01:44	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/20/20 01:44	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-5D

Lab Sample ID: 480-176533-11

Date Collected: 10/12/20 16:00

Matrix: Water

Date Received: 10/15/20 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		80 - 120		10/20/20 01:44	1
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		10/20/20 01:44	1
4-Bromofluorobenzene (Surr)	92		73 - 120		10/20/20 01:44	1
Dibromofluoromethane (Surr)	99		75 - 123		10/20/20 01:44	1

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.19	0.095	ug/L		10/18/20 08:36	10/23/20 05:59	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	28		15 - 110				10/18/20 08:36	10/23/20 05:59	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	1.1	J	4.4	0.99	ng/L		10/21/20 14:00	10/22/20 12:32	1
Perfluoropentanoic acid (PFPeA)	1.1	J	1.8	0.95	ng/L		10/21/20 14:00	10/22/20 12:32	1
Perfluorohexanoic acid (PFHxA)	1.9		1.8	0.73	ng/L		10/21/20 14:00	10/22/20 12:32	1
Perfluoroheptanoic acid (PFHpA)	2.1		1.8	0.40	ng/L		10/21/20 14:00	10/22/20 12:32	1
Perfluorooctanoic acid (PFOA)	11		1.8	0.86	ng/L		10/21/20 14:00	10/22/20 12:32	1
Perfluorononanoic acid (PFNA)	ND		1.8	0.51	ng/L		10/21/20 14:00	10/22/20 12:32	
Perfluorodecanoic acid (PFDA)	ND		1.8	0.40	ng/L		10/21/20 14:00	10/22/20 12:32	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.64	ng/L		10/21/20 14:00	10/22/20 12:32	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.40	ng/L		10/21/20 14:00	10/22/20 12:32	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8	0.38	ng/L		10/21/20 14:00	10/22/20 12:32	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8	0.52	ng/L		10/21/20 14:00	10/22/20 12:32	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8	0.55	ng/L		10/21/20 14:00	10/22/20 12:32	1
Perfluorohexanesulfonic acid (PFHxS)	1.1	J	1.8	0.59	ng/L		10/21/20 14:00	10/22/20 12:32	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8	0.34	ng/L		10/21/20 14:00	10/22/20 12:32	1
Perfluorooctanesulfonic acid (PFOS)	19		1.8	0.77	ng/L		10/21/20 14:00	10/22/20 12:32	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.42	ng/L		10/21/20 14:00	10/22/20 12:32	1
Perfluorooctanesulfonamide (PFOSA)	2.4		1.8	0.50	ng/L		10/21/20 14:00	10/22/20 12:32	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.4	0.69	ng/L		10/21/20 14:00	10/22/20 12:32	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.1	J	4.4	0.82	ng/L		10/21/20 14:00	10/22/20 12:32	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		4.4	0.63	ng/L		10/21/20 14:00	10/22/20 12:32	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.8	0.58	ng/L		10/21/20 14:00	10/22/20 12:32	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	95		50 - 150				10/21/20 14:00	10/22/20 12:32	1
13C4 PFHpA	114		50 - 150				10/21/20 14:00	10/22/20 12:32	1
13C4 PFOA	98		50 - 150				10/21/20 14:00	10/22/20 12:32	1
13C4 PFOS	89		50 - 150				10/21/20 14:00	10/22/20 12:32	1
13C5 PFNA	92		50 - 150				10/21/20 14:00	10/22/20 12:32	1
13C4 PFBA	110		25 - 150				10/21/20 14:00	10/22/20 12:32	1
13C2 PFHxA	113		50 - 150				10/21/20 14:00	10/22/20 12:32	1
13C2 PFDA	86		50 - 150				10/21/20 14:00	10/22/20 12:32	1
13C2 PFUnA	72		50 - 150				10/21/20 14:00	10/22/20 12:32	

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-5D

Lab Sample ID: 480-176533-11

Date Collected: 10/12/20 16:00

Matrix: Water

Date Received: 10/15/20 08:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C2 PFDoA	58		50 - 150	10/21/20 14:00	10/22/20 12:32	1
13C8 FOSA	72		25 - 150	10/21/20 14:00	10/22/20 12:32	1
13C5 PFPeA	118		25 - 150	10/21/20 14:00	10/22/20 12:32	1
13C2 PFTeDA	55		50 - 150	10/21/20 14:00	10/22/20 12:32	1
d3-NMeFOSAA	60		50 - 150	10/21/20 14:00	10/22/20 12:32	1
d5-NEtFOSAA	64		50 - 150	10/21/20 14:00	10/22/20 12:32	1
M2-6:2 FTS	114		25 - 150	10/21/20 14:00	10/22/20 12:32	1
M2-8:2 FTS	138		25 - 150	10/21/20 14:00	10/22/20 12:32	1
13C3 PFBS	94		50 - 150	10/21/20 14:00	10/22/20 12:32	1

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-6S

Lab Sample ID: 480-176533-12

Date Collected: 10/12/20 15:35

Matrix: Water

Date Received: 10/15/20 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			10/20/20 02:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/20/20 02:09	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/20/20 02:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/20/20 02:09	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/20/20 02:09	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/20/20 02:09	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/20/20 02:09	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/20/20 02:09	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/20/20 02:09	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/20/20 02:09	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/20/20 02:09	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/20/20 02:09	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/20/20 02:09	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/20/20 02:09	1
2-Hexanone	ND		5.0	1.2	ug/L			10/20/20 02:09	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/20/20 02:09	1
Acetone	ND		10	3.0	ug/L			10/20/20 02:09	1
Benzene	ND		1.0	0.41	ug/L			10/20/20 02:09	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/20/20 02:09	1
Bromoform	ND		1.0	0.26	ug/L			10/20/20 02:09	1
Bromomethane	ND		1.0	0.69	ug/L			10/20/20 02:09	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/20/20 02:09	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/20/20 02:09	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/20/20 02:09	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/20/20 02:09	1
Chloroethane	ND		1.0	0.32	ug/L			10/20/20 02:09	1
Chloroform	2.8		1.0	0.34	ug/L			10/20/20 02:09	1
Chloromethane	ND		1.0	0.35	ug/L			10/20/20 02:09	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/20/20 02:09	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/20/20 02:09	1
Cyclohexane	ND		1.0	0.18	ug/L			10/20/20 02:09	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/20/20 02:09	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/20/20 02:09	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/20/20 02:09	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/20/20 02:09	1
Methyl acetate	ND		2.5	1.3	ug/L			10/20/20 02:09	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/20/20 02:09	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/20/20 02:09	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/20/20 02:09	1
Styrene	ND		1.0	0.73	ug/L			10/20/20 02:09	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/20/20 02:09	1
Toluene	ND		1.0	0.51	ug/L			10/20/20 02:09	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/20/20 02:09	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/20/20 02:09	1
Trichloroethene	ND		1.0	0.46	ug/L			10/20/20 02:09	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/20/20 02:09	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/20/20 02:09	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/20/20 02:09	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-6S

Lab Sample ID: 480-176533-12

Date Collected: 10/12/20 15:35

Matrix: Water

Date Received: 10/15/20 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120		10/20/20 02:09	1
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		10/20/20 02:09	1
4-Bromofluorobenzene (Surr)	94		73 - 120		10/20/20 02:09	1
Dibromofluoromethane (Surr)	96		75 - 123		10/20/20 02:09	1

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.19	0.095	ug/L		10/18/20 08:36	10/23/20 06:22	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	28		15 - 110				10/18/20 08:36	10/23/20 06:22	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.1	0.92	ng/L		10/21/20 14:00	10/22/20 12:41	1
Perfluoropentanoic acid (PFPeA)	ND		1.6	0.88	ng/L		10/21/20 14:00	10/22/20 12:41	1
Perfluorohexanoic acid (PFHxA)	ND		1.6	0.67	ng/L		10/21/20 14:00	10/22/20 12:41	1
Perfluoroheptanoic acid (PFHpA)	ND		1.6	0.37	ng/L		10/21/20 14:00	10/22/20 12:41	1
Perfluorooctanoic acid (PFOA)	ND		1.6	0.80	ng/L		10/21/20 14:00	10/22/20 12:41	1
Perfluorononanoic acid (PFNA)	ND		1.6	0.47	ng/L		10/21/20 14:00	10/22/20 12:41	1
Perfluorodecanoic acid (PFDA)	ND		1.6	0.37	ng/L		10/21/20 14:00	10/22/20 12:41	1
Perfluoroundecanoic acid (PFUnA)	ND		1.6	0.59	ng/L		10/21/20 14:00	10/22/20 12:41	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.37	ng/L		10/21/20 14:00	10/22/20 12:41	1
Perfluorotridecanoic acid (PFTriA)	ND		1.6	0.35	ng/L		10/21/20 14:00	10/22/20 12:41	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.6	0.48	ng/L		10/21/20 14:00	10/22/20 12:41	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.6	0.51	ng/L		10/21/20 14:00	10/22/20 12:41	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.6	0.54	ng/L		10/21/20 14:00	10/22/20 12:41	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.6	0.32	ng/L		10/21/20 14:00	10/22/20 12:41	1
Perfluorooctanesulfonic acid (PFOS)	2.5		1.6	0.71	ng/L		10/21/20 14:00	10/22/20 12:41	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.39	ng/L		10/21/20 14:00	10/22/20 12:41	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.6	0.46	ng/L		10/21/20 14:00	10/22/20 12:41	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.1	0.64	ng/L		10/21/20 14:00	10/22/20 12:41	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.1	0.76	ng/L		10/21/20 14:00	10/22/20 12:41	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		4.1	0.58	ng/L		10/21/20 14:00	10/22/20 12:41	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.6	0.54	ng/L		10/21/20 14:00	10/22/20 12:41	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	102		50 - 150				10/21/20 14:00	10/22/20 12:41	1
13C4 PFHpA	102		50 - 150				10/21/20 14:00	10/22/20 12:41	1
13C4 PFOA	100		50 - 150				10/21/20 14:00	10/22/20 12:41	1
13C4 PFOS	102		50 - 150				10/21/20 14:00	10/22/20 12:41	1
13C5 PFNA	95		50 - 150				10/21/20 14:00	10/22/20 12:41	1
13C4 PFBA	108		25 - 150				10/21/20 14:00	10/22/20 12:41	1
13C2 PFHxA	104		50 - 150				10/21/20 14:00	10/22/20 12:41	1
13C2 PFDA	83		50 - 150				10/21/20 14:00	10/22/20 12:41	1
13C2 PFUnA	76		50 - 150				10/21/20 14:00	10/22/20 12:41	1
13C2 PFDoA	61		50 - 150				10/21/20 14:00	10/22/20 12:41	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-6S

Lab Sample ID: 480-176533-12

Date Collected: 10/12/20 15:35

Matrix: Water

Date Received: 10/15/20 08:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C8 FOSA	85		25 - 150	10/21/20 14:00	10/22/20 12:41	1
13C5 PFPeA	111		25 - 150	10/21/20 14:00	10/22/20 12:41	1
13C2 PFTeDA	69		50 - 150	10/21/20 14:00	10/22/20 12:41	1
d3-NMeFOSAA	75		50 - 150	10/21/20 14:00	10/22/20 12:41	1
d5-NEtFOSAA	77		50 - 150	10/21/20 14:00	10/22/20 12:41	1
M2-6:2 FTS	108		25 - 150	10/21/20 14:00	10/22/20 12:41	1
M2-8:2 FTS	90		25 - 150	10/21/20 14:00	10/22/20 12:41	1
13C3 PFBS	101		50 - 150	10/21/20 14:00	10/22/20 12:41	1

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-6I

Lab Sample ID: 480-176533-13

Date Collected: 10/12/20 17:40

Matrix: Water

Date Received: 10/15/20 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			10/20/20 02:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/20/20 02:33	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/20/20 02:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/20/20 02:33	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/20/20 02:33	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/20/20 02:33	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/20/20 02:33	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/20/20 02:33	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/20/20 02:33	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/20/20 02:33	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/20/20 02:33	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/20/20 02:33	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/20/20 02:33	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/20/20 02:33	1
2-Hexanone	ND		5.0	1.2	ug/L			10/20/20 02:33	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/20/20 02:33	1
Acetone	ND		10	3.0	ug/L			10/20/20 02:33	1
Benzene	ND		1.0	0.41	ug/L			10/20/20 02:33	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/20/20 02:33	1
Bromoform	ND		1.0	0.26	ug/L			10/20/20 02:33	1
Bromomethane	ND		1.0	0.69	ug/L			10/20/20 02:33	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/20/20 02:33	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/20/20 02:33	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/20/20 02:33	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/20/20 02:33	1
Chloroethane	ND		1.0	0.32	ug/L			10/20/20 02:33	1
Chloroform	ND		1.0	0.34	ug/L			10/20/20 02:33	1
Chloromethane	ND		1.0	0.35	ug/L			10/20/20 02:33	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/20/20 02:33	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/20/20 02:33	1
Cyclohexane	ND		1.0	0.18	ug/L			10/20/20 02:33	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/20/20 02:33	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/20/20 02:33	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/20/20 02:33	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/20/20 02:33	1
Methyl acetate	ND		2.5	1.3	ug/L			10/20/20 02:33	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/20/20 02:33	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/20/20 02:33	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/20/20 02:33	1
Styrene	ND		1.0	0.73	ug/L			10/20/20 02:33	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/20/20 02:33	1
Toluene	ND		1.0	0.51	ug/L			10/20/20 02:33	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/20/20 02:33	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/20/20 02:33	1
Trichloroethene	ND		1.0	0.46	ug/L			10/20/20 02:33	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/20/20 02:33	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/20/20 02:33	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/20/20 02:33	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-6I

Lab Sample ID: 480-176533-13

Date Collected: 10/12/20 17:40

Matrix: Water

Date Received: 10/15/20 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	96		80 - 120		10/20/20 02:33	1
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		10/20/20 02:33	1
4-Bromofluorobenzene (Surr)	93		73 - 120		10/20/20 02:33	1
Dibromofluoromethane (Surr)	96		75 - 123		10/20/20 02:33	1

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.19	0.095	ug/L		10/18/20 08:36	10/23/20 06:46	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	28		15 - 110				10/18/20 08:36	10/23/20 06:46	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.0	0.90	ng/L		10/21/20 14:00	10/22/20 12:49	1
Perfluoropentanoic acid (PFPeA)	ND		1.6	0.86	ng/L		10/21/20 14:00	10/22/20 12:49	1
Perfluorohexanoic acid (PFHxA)	ND		1.6	0.66	ng/L		10/21/20 14:00	10/22/20 12:49	1
Perfluoroheptanoic acid (PFHpA)	ND		1.6	0.37	ng/L		10/21/20 14:00	10/22/20 12:49	1
Perfluorooctanoic acid (PFOA)	ND		1.6	0.78	ng/L		10/21/20 14:00	10/22/20 12:49	1
Perfluorononanoic acid (PFNA)	ND		1.6	0.46	ng/L		10/21/20 14:00	10/22/20 12:49	1
Perfluorodecanoic acid (PFDA)	ND		1.6	0.37	ng/L		10/21/20 14:00	10/22/20 12:49	1
Perfluoroundecanoic acid (PFUnA)	ND		1.6	0.58	ng/L		10/21/20 14:00	10/22/20 12:49	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.37	ng/L		10/21/20 14:00	10/22/20 12:49	1
Perfluorotridecanoic acid (PFTriA)	ND		1.6	0.34	ng/L		10/21/20 14:00	10/22/20 12:49	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.6	0.47	ng/L		10/21/20 14:00	10/22/20 12:49	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.6	0.50	ng/L		10/21/20 14:00	10/22/20 12:49	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.6	0.53	ng/L		10/21/20 14:00	10/22/20 12:49	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.6	0.31	ng/L		10/21/20 14:00	10/22/20 12:49	1
Perfluorooctanesulfonic acid (PFOS)	0.89	J	1.6	0.69	ng/L		10/21/20 14:00	10/22/20 12:49	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.38	ng/L		10/21/20 14:00	10/22/20 12:49	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.6	0.45	ng/L		10/21/20 14:00	10/22/20 12:49	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.0	0.63	ng/L		10/21/20 14:00	10/22/20 12:49	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.0	0.74	ng/L		10/21/20 14:00	10/22/20 12:49	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		4.0	0.57	ng/L		10/21/20 14:00	10/22/20 12:49	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.6	0.53	ng/L		10/21/20 14:00	10/22/20 12:49	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	105		50 - 150				10/21/20 14:00	10/22/20 12:49	1
13C4 PFHpA	107		50 - 150				10/21/20 14:00	10/22/20 12:49	1
13C4 PFOA	101		50 - 150				10/21/20 14:00	10/22/20 12:49	1
13C4 PFOS	106		50 - 150				10/21/20 14:00	10/22/20 12:49	1
13C5 PFNA	100		50 - 150				10/21/20 14:00	10/22/20 12:49	1
13C4 PFBA	117		25 - 150				10/21/20 14:00	10/22/20 12:49	1
13C2 PFHxA	114		50 - 150				10/21/20 14:00	10/22/20 12:49	1
13C2 PFDA	87		50 - 150				10/21/20 14:00	10/22/20 12:49	1
13C2 PFUnA	83		50 - 150				10/21/20 14:00	10/22/20 12:49	1
13C2 PFDoA	60		50 - 150				10/21/20 14:00	10/22/20 12:49	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-6I

Lab Sample ID: 480-176533-13

Date Collected: 10/12/20 17:40

Matrix: Water

Date Received: 10/15/20 08:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C8 FOSA	85		25 - 150	10/21/20 14:00	10/22/20 12:49	1
13C5 PFPeA	121		25 - 150	10/21/20 14:00	10/22/20 12:49	1
13C2 PFTeDA	67		50 - 150	10/21/20 14:00	10/22/20 12:49	1
d3-NMeFOSAA	74		50 - 150	10/21/20 14:00	10/22/20 12:49	1
d5-NEtFOSAA	77		50 - 150	10/21/20 14:00	10/22/20 12:49	1
M2-6:2 FTS	112		25 - 150	10/21/20 14:00	10/22/20 12:49	1
M2-8:2 FTS	90		25 - 150	10/21/20 14:00	10/22/20 12:49	1
13C3 PFBS	108		50 - 150	10/21/20 14:00	10/22/20 12:49	1

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-6D

Lab Sample ID: 480-176533-14

Date Collected: 10/12/20 16:55

Matrix: Water

Date Received: 10/15/20 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			10/18/20 22:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/18/20 22:15	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/18/20 22:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/18/20 22:15	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/18/20 22:15	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/18/20 22:15	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/18/20 22:15	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/18/20 22:15	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/18/20 22:15	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/18/20 22:15	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/18/20 22:15	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/18/20 22:15	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/18/20 22:15	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/18/20 22:15	1
2-Hexanone	ND		5.0	1.2	ug/L			10/18/20 22:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/18/20 22:15	1
Acetone	ND		10	3.0	ug/L			10/18/20 22:15	1
Benzene	ND		1.0	0.41	ug/L			10/18/20 22:15	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/18/20 22:15	1
Bromoform	ND		1.0	0.26	ug/L			10/18/20 22:15	1
Bromomethane	ND		1.0	0.69	ug/L			10/18/20 22:15	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/18/20 22:15	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/18/20 22:15	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/18/20 22:15	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/18/20 22:15	1
Chloroethane	ND		1.0	0.32	ug/L			10/18/20 22:15	1
Chloroform	ND		1.0	0.34	ug/L			10/18/20 22:15	1
Chloromethane	ND		1.0	0.35	ug/L			10/18/20 22:15	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/18/20 22:15	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/18/20 22:15	1
Cyclohexane	ND		1.0	0.18	ug/L			10/18/20 22:15	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/18/20 22:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/18/20 22:15	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/18/20 22:15	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/18/20 22:15	1
Methyl acetate	ND		2.5	1.3	ug/L			10/18/20 22:15	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/18/20 22:15	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/18/20 22:15	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/18/20 22:15	1
Styrene	ND		1.0	0.73	ug/L			10/18/20 22:15	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/18/20 22:15	1
Toluene	ND		1.0	0.51	ug/L			10/18/20 22:15	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/18/20 22:15	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/18/20 22:15	1
Trichloroethene	ND		1.0	0.46	ug/L			10/18/20 22:15	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/18/20 22:15	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/18/20 22:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/18/20 22:15	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-6D

Lab Sample ID: 480-176533-14

Date Collected: 10/12/20 16:55

Matrix: Water

Date Received: 10/15/20 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		80 - 120		10/18/20 22:15	1
1,2-Dichloroethane-d4 (Surr)	107		77 - 120		10/18/20 22:15	1
4-Bromofluorobenzene (Surr)	98		73 - 120		10/18/20 22:15	1
Dibromofluoromethane (Surr)	106		75 - 123		10/18/20 22:15	1

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.19	0.095	ug/L		10/18/20 08:36	10/23/20 07:09	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	29		15 - 110				10/18/20 08:36	10/23/20 07:09	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.1	0.93	ng/L		10/21/20 14:00	10/22/20 12:57	1
Perfluoropentanoic acid (PFPeA)	ND		1.6	0.88	ng/L		10/21/20 14:00	10/22/20 12:57	1
Perfluorohexanoic acid (PFHxA)	ND		1.6	0.68	ng/L		10/21/20 14:00	10/22/20 12:57	1
Perfluoroheptanoic acid (PFHpA)	0.38	J	1.6	0.38	ng/L		10/21/20 14:00	10/22/20 12:57	1
Perfluorooctanoic acid (PFOA)	1.7		1.6	0.80	ng/L		10/21/20 14:00	10/22/20 12:57	1
Perfluorononanoic acid (PFNA)	ND		1.6	0.47	ng/L		10/21/20 14:00	10/22/20 12:57	1
Perfluorodecanoic acid (PFDA)	ND		1.6	0.38	ng/L		10/21/20 14:00	10/22/20 12:57	1
Perfluoroundecanoic acid (PFUnA)	ND		1.6	0.60	ng/L		10/21/20 14:00	10/22/20 12:57	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.38	ng/L		10/21/20 14:00	10/22/20 12:57	1
Perfluorotridecanoic acid (PFTriA)	ND		1.6	0.35	ng/L		10/21/20 14:00	10/22/20 12:57	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.6	0.48	ng/L		10/21/20 14:00	10/22/20 12:57	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.6	0.52	ng/L		10/21/20 14:00	10/22/20 12:57	1
Perfluorohexanesulfonic acid (PFHxS)	0.64	J	1.6	0.55	ng/L		10/21/20 14:00	10/22/20 12:57	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.6	0.32	ng/L		10/21/20 14:00	10/22/20 12:57	1
Perfluorooctanesulfonic acid (PFOS)	9.2		1.6	0.71	ng/L		10/21/20 14:00	10/22/20 12:57	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.39	ng/L		10/21/20 14:00	10/22/20 12:57	1
Perfluorooctanesulfonamide (PFOSA)	2.6		1.6	0.47	ng/L		10/21/20 14:00	10/22/20 12:57	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.1	0.65	ng/L		10/21/20 14:00	10/22/20 12:57	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.1	0.76	ng/L		10/21/20 14:00	10/22/20 12:57	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		4.1	0.59	ng/L		10/21/20 14:00	10/22/20 12:57	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.6	0.54	ng/L		10/21/20 14:00	10/22/20 12:57	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	108		50 - 150				10/21/20 14:00	10/22/20 12:57	1
13C4 PFHpA	110		50 - 150				10/21/20 14:00	10/22/20 12:57	1
13C4 PFOA	98		50 - 150				10/21/20 14:00	10/22/20 12:57	1
13C4 PFOS	99		50 - 150				10/21/20 14:00	10/22/20 12:57	1
13C5 PFNA	93		50 - 150				10/21/20 14:00	10/22/20 12:57	1
13C4 PFBA	112		25 - 150				10/21/20 14:00	10/22/20 12:57	1
13C2 PFHxA	112		50 - 150				10/21/20 14:00	10/22/20 12:57	1
13C2 PFDA	76		50 - 150				10/21/20 14:00	10/22/20 12:57	1
13C2 PFUnA	73		50 - 150				10/21/20 14:00	10/22/20 12:57	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-6D

Lab Sample ID: 480-176533-14

Date Collected: 10/12/20 16:55

Matrix: Water

Date Received: 10/15/20 08:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C2 PFDoA	54		50 - 150	10/21/20 14:00	10/22/20 12:57	1
13C8 FOSA	81		25 - 150	10/21/20 14:00	10/22/20 12:57	1
13C5 PFPeA	118		25 - 150	10/21/20 14:00	10/22/20 12:57	1
13C2 PFTeDA	65		50 - 150	10/21/20 14:00	10/22/20 12:57	1
d3-NMeFOSAA	69		50 - 150	10/21/20 14:00	10/22/20 12:57	1
d5-NEtFOSAA	64		50 - 150	10/21/20 14:00	10/22/20 12:57	1
M2-6:2 FTS	112		25 - 150	10/21/20 14:00	10/22/20 12:57	1
M2-8:2 FTS	97		25 - 150	10/21/20 14:00	10/22/20 12:57	1
13C3 PFBS	110		50 - 150	10/21/20 14:00	10/22/20 12:57	1

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-7S

Lab Sample ID: 480-176533-15

Date Collected: 10/12/20 14:20

Matrix: Water

Date Received: 10/15/20 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	11		1.0	0.82	ug/L			10/18/20 22:38	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/18/20 22:38	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/18/20 22:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/18/20 22:38	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/18/20 22:38	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/18/20 22:38	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/18/20 22:38	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/18/20 22:38	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/18/20 22:38	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/18/20 22:38	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/18/20 22:38	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/18/20 22:38	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/18/20 22:38	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/18/20 22:38	1
2-Hexanone	ND		5.0	1.2	ug/L			10/18/20 22:38	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/18/20 22:38	1
Acetone	ND		10	3.0	ug/L			10/18/20 22:38	1
Benzene	ND		1.0	0.41	ug/L			10/18/20 22:38	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/18/20 22:38	1
Bromoform	ND		1.0	0.26	ug/L			10/18/20 22:38	1
Bromomethane	ND		1.0	0.69	ug/L			10/18/20 22:38	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/18/20 22:38	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/18/20 22:38	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/18/20 22:38	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/18/20 22:38	1
Chloroethane	ND		1.0	0.32	ug/L			10/18/20 22:38	1
Chloroform	ND		1.0	0.34	ug/L			10/18/20 22:38	1
Chloromethane	ND		1.0	0.35	ug/L			10/18/20 22:38	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/18/20 22:38	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/18/20 22:38	1
Cyclohexane	ND		1.0	0.18	ug/L			10/18/20 22:38	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/18/20 22:38	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/18/20 22:38	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/18/20 22:38	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/18/20 22:38	1
Methyl acetate	ND		2.5	1.3	ug/L			10/18/20 22:38	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/18/20 22:38	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/18/20 22:38	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/18/20 22:38	1
Styrene	ND		1.0	0.73	ug/L			10/18/20 22:38	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/18/20 22:38	1
Toluene	ND		1.0	0.51	ug/L			10/18/20 22:38	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/18/20 22:38	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/18/20 22:38	1
Trichloroethene	ND		1.0	0.46	ug/L			10/18/20 22:38	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/18/20 22:38	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/18/20 22:38	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/18/20 22:38	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-7S

Lab Sample ID: 480-176533-15

Date Collected: 10/12/20 14:20

Matrix: Water

Date Received: 10/15/20 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		80 - 120		10/18/20 22:38	1
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		10/18/20 22:38	1
4-Bromofluorobenzene (Surr)	99		73 - 120		10/18/20 22:38	1
Dibromofluoromethane (Surr)	100		75 - 123		10/18/20 22:38	1

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.19	0.095	ug/L		10/18/20 08:36	10/23/20 07:33	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	30		15 - 110				10/18/20 08:36	10/23/20 07:33	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.5	1.0	ng/L		10/21/20 14:00	10/22/20 13:05	1
Perfluoropentanoic acid (PFPeA)	ND		1.8	0.98	ng/L		10/21/20 14:00	10/22/20 13:05	1
Perfluorohexanoic acid (PFHxA)	ND		1.8	0.75	ng/L		10/21/20 14:00	10/22/20 13:05	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8	0.42	ng/L		10/21/20 14:00	10/22/20 13:05	1
Perfluorooctanoic acid (PFOA)	ND		1.8	0.89	ng/L		10/21/20 14:00	10/22/20 13:05	1
Perfluorononanoic acid (PFNA)	ND		1.8	0.53	ng/L		10/21/20 14:00	10/22/20 13:05	1
Perfluorodecanoic acid (PFDA)	ND		1.8	0.42	ng/L		10/21/20 14:00	10/22/20 13:05	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.66	ng/L		10/21/20 14:00	10/22/20 13:05	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.42	ng/L		10/21/20 14:00	10/22/20 13:05	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8	0.39	ng/L		10/21/20 14:00	10/22/20 13:05	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8	0.53	ng/L		10/21/20 14:00	10/22/20 13:05	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8	0.57	ng/L		10/21/20 14:00	10/22/20 13:05	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.61	ng/L		10/21/20 14:00	10/22/20 13:05	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8	0.35	ng/L		10/21/20 14:00	10/22/20 13:05	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8	0.79	ng/L		10/21/20 14:00	10/22/20 13:05	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.43	ng/L		10/21/20 14:00	10/22/20 13:05	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.52	ng/L		10/21/20 14:00	10/22/20 13:05	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.5	0.72	ng/L		10/21/20 14:00	10/22/20 13:05	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.5	0.84	ng/L		10/21/20 14:00	10/22/20 13:05	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		4.5	0.65	ng/L		10/21/20 14:00	10/22/20 13:05	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.8	0.60	ng/L		10/21/20 14:00	10/22/20 13:05	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	109		50 - 150				10/21/20 14:00	10/22/20 13:05	1
13C4 PFHpA	111		50 - 150				10/21/20 14:00	10/22/20 13:05	1
13C4 PFOA	103		50 - 150				10/21/20 14:00	10/22/20 13:05	1
13C4 PFOS	102		50 - 150				10/21/20 14:00	10/22/20 13:05	1
13C5 PFNA	101		50 - 150				10/21/20 14:00	10/22/20 13:05	1
13C4 PFBA	117		25 - 150				10/21/20 14:00	10/22/20 13:05	1
13C2 PFHxA	115		50 - 150				10/21/20 14:00	10/22/20 13:05	1
13C2 PFDA	82		50 - 150				10/21/20 14:00	10/22/20 13:05	1
13C2 PFUnA	75		50 - 150				10/21/20 14:00	10/22/20 13:05	1
13C2 PFDoA	55		50 - 150				10/21/20 14:00	10/22/20 13:05	1
13C8 FOSA	89		25 - 150				10/21/20 14:00	10/22/20 13:05	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-7S

Date Collected: 10/12/20 14:20

Date Received: 10/15/20 08:00

Lab Sample ID: 480-176533-15

Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C5 PFPeA	120		25 - 150	10/21/20 14:00	10/22/20 13:05	1
13C2 PFTeDA	68		50 - 150	10/21/20 14:00	10/22/20 13:05	1
d3-NMeFOSAA	72		50 - 150	10/21/20 14:00	10/22/20 13:05	1
d5-NEtFOSAA	74		50 - 150	10/21/20 14:00	10/22/20 13:05	1
M2-6:2 FTS	115		25 - 150	10/21/20 14:00	10/22/20 13:05	1
M2-8:2 FTS	97		25 - 150	10/21/20 14:00	10/22/20 13:05	1
13C3 PFBS	105		50 - 150	10/21/20 14:00	10/22/20 13:05	1

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-71

Lab Sample ID: 480-176533-16

Date Collected: 10/12/20 13:05

Matrix: Water

Date Received: 10/15/20 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	1.1		1.0	0.82	ug/L			10/18/20 23:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/18/20 23:00	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/18/20 23:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/18/20 23:00	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/18/20 23:00	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/18/20 23:00	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/18/20 23:00	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/18/20 23:00	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/18/20 23:00	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/18/20 23:00	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/18/20 23:00	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/18/20 23:00	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/18/20 23:00	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/18/20 23:00	1
2-Hexanone	ND		5.0	1.2	ug/L			10/18/20 23:00	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/18/20 23:00	1
Acetone	ND		10	3.0	ug/L			10/18/20 23:00	1
Benzene	ND		1.0	0.41	ug/L			10/18/20 23:00	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/18/20 23:00	1
Bromoform	ND		1.0	0.26	ug/L			10/18/20 23:00	1
Bromomethane	ND		1.0	0.69	ug/L			10/18/20 23:00	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/18/20 23:00	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/18/20 23:00	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/18/20 23:00	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/18/20 23:00	1
Chloroethane	ND		1.0	0.32	ug/L			10/18/20 23:00	1
Chloroform	ND		1.0	0.34	ug/L			10/18/20 23:00	1
Chloromethane	ND		1.0	0.35	ug/L			10/18/20 23:00	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/18/20 23:00	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/18/20 23:00	1
Cyclohexane	ND		1.0	0.18	ug/L			10/18/20 23:00	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/18/20 23:00	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/18/20 23:00	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/18/20 23:00	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/18/20 23:00	1
Methyl acetate	ND		2.5	1.3	ug/L			10/18/20 23:00	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/18/20 23:00	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/18/20 23:00	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/18/20 23:00	1
Styrene	ND		1.0	0.73	ug/L			10/18/20 23:00	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/18/20 23:00	1
Toluene	ND		1.0	0.51	ug/L			10/18/20 23:00	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/18/20 23:00	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/18/20 23:00	1
Trichloroethene	ND		1.0	0.46	ug/L			10/18/20 23:00	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/18/20 23:00	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/18/20 23:00	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/18/20 23:00	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-71

Lab Sample ID: 480-176533-16

Date Collected: 10/12/20 13:05

Matrix: Water

Date Received: 10/15/20 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120		10/18/20 23:00	1
1,2-Dichloroethane-d4 (Surr)	105		77 - 120		10/18/20 23:00	1
4-Bromofluorobenzene (Surr)	99		73 - 120		10/18/20 23:00	1
Dibromofluoromethane (Surr)	104		75 - 123		10/18/20 23:00	1

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.19	0.095	ug/L		10/18/20 08:36	10/23/20 07:56	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	29		15 - 110				10/18/20 08:36	10/23/20 07:56	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.6	1.0	ng/L		10/21/20 14:00	10/22/20 13:14	1
Perfluoropentanoic acid (PFPeA)	ND		1.8	0.99	ng/L		10/21/20 14:00	10/22/20 13:14	1
Perfluorohexanoic acid (PFHxA)	ND		1.8	0.76	ng/L		10/21/20 14:00	10/22/20 13:14	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8	0.42	ng/L		10/21/20 14:00	10/22/20 13:14	1
Perfluorooctanoic acid (PFOA)	ND		1.8	0.90	ng/L		10/21/20 14:00	10/22/20 13:14	1
Perfluorononanoic acid (PFNA)	ND		1.8	0.53	ng/L		10/21/20 14:00	10/22/20 13:14	1
Perfluorodecanoic acid (PFDA)	ND		1.8	0.42	ng/L		10/21/20 14:00	10/22/20 13:14	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.67	ng/L		10/21/20 14:00	10/22/20 13:14	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.42	ng/L		10/21/20 14:00	10/22/20 13:14	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8	0.40	ng/L		10/21/20 14:00	10/22/20 13:14	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8	0.54	ng/L		10/21/20 14:00	10/22/20 13:14	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8	0.58	ng/L		10/21/20 14:00	10/22/20 13:14	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.62	ng/L		10/21/20 14:00	10/22/20 13:14	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8	0.36	ng/L		10/21/20 14:00	10/22/20 13:14	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8	0.80	ng/L		10/21/20 14:00	10/22/20 13:14	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.44	ng/L		10/21/20 14:00	10/22/20 13:14	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.52	ng/L		10/21/20 14:00	10/22/20 13:14	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.6	0.73	ng/L		10/21/20 14:00	10/22/20 13:14	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.6	0.85	ng/L		10/21/20 14:00	10/22/20 13:14	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		4.6	0.66	ng/L		10/21/20 14:00	10/22/20 13:14	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.8	0.61	ng/L		10/21/20 14:00	10/22/20 13:14	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	62		50 - 150				10/21/20 14:00	10/22/20 13:14	1
13C4 PFHpA	81		50 - 150				10/21/20 14:00	10/22/20 13:14	1
13C4 PFOA	74		50 - 150				10/21/20 14:00	10/22/20 13:14	1
13C4 PFOS	65		50 - 150				10/21/20 14:00	10/22/20 13:14	1
13C5 PFNA	73		50 - 150				10/21/20 14:00	10/22/20 13:14	1
13C4 PFBA	76		25 - 150				10/21/20 14:00	10/22/20 13:14	1
13C2 PFHxA	80		50 - 150				10/21/20 14:00	10/22/20 13:14	1
13C2 PFDA	68		50 - 150				10/21/20 14:00	10/22/20 13:14	1
13C2 PFUnA	67		50 - 150				10/21/20 14:00	10/22/20 13:14	1
13C2 PFDoA	56		50 - 150				10/21/20 14:00	10/22/20 13:14	1
13C8 FOSA	64		25 - 150				10/21/20 14:00	10/22/20 13:14	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-7I

Lab Sample ID: 480-176533-16

Date Collected: 10/12/20 13:05

Matrix: Water

Date Received: 10/15/20 08:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C5 PFPeA	81		25 - 150	10/21/20 14:00	10/22/20 13:14	1
13C2 PFTeDA	62		50 - 150	10/21/20 14:00	10/22/20 13:14	1
d3-NMeFOSAA	65		50 - 150	10/21/20 14:00	10/22/20 13:14	1
d5-NEtFOSAA	58		50 - 150	10/21/20 14:00	10/22/20 13:14	1
M2-6:2 FTS	85		25 - 150	10/21/20 14:00	10/22/20 13:14	1
M2-8:2 FTS	81		25 - 150	10/21/20 14:00	10/22/20 13:14	1
13C3 PFBS	50		50 - 150	10/21/20 14:00	10/22/20 13:14	1

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-7D

Lab Sample ID: 480-176533-17

Date Collected: 10/12/20 11:15

Matrix: Water

Date Received: 10/15/20 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			10/18/20 23:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/18/20 23:23	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/18/20 23:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/18/20 23:23	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/18/20 23:23	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/18/20 23:23	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/18/20 23:23	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/18/20 23:23	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/18/20 23:23	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/18/20 23:23	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/18/20 23:23	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/18/20 23:23	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/18/20 23:23	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/18/20 23:23	1
2-Hexanone	ND		5.0	1.2	ug/L			10/18/20 23:23	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/18/20 23:23	1
Acetone	ND		10	3.0	ug/L			10/18/20 23:23	1
Benzene	ND		1.0	0.41	ug/L			10/18/20 23:23	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/18/20 23:23	1
Bromoform	ND		1.0	0.26	ug/L			10/18/20 23:23	1
Bromomethane	ND		1.0	0.69	ug/L			10/18/20 23:23	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/18/20 23:23	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/18/20 23:23	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/18/20 23:23	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/18/20 23:23	1
Chloroethane	ND		1.0	0.32	ug/L			10/18/20 23:23	1
Chloroform	ND		1.0	0.34	ug/L			10/18/20 23:23	1
Chloromethane	ND		1.0	0.35	ug/L			10/18/20 23:23	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/18/20 23:23	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/18/20 23:23	1
Cyclohexane	ND		1.0	0.18	ug/L			10/18/20 23:23	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/18/20 23:23	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/18/20 23:23	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/18/20 23:23	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/18/20 23:23	1
Methyl acetate	ND		2.5	1.3	ug/L			10/18/20 23:23	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/18/20 23:23	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/18/20 23:23	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/18/20 23:23	1
Styrene	ND		1.0	0.73	ug/L			10/18/20 23:23	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/18/20 23:23	1
Toluene	ND		1.0	0.51	ug/L			10/18/20 23:23	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/18/20 23:23	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/18/20 23:23	1
Trichloroethene	ND		1.0	0.46	ug/L			10/18/20 23:23	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/18/20 23:23	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/18/20 23:23	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/18/20 23:23	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-7D

Lab Sample ID: 480-176533-17

Date Collected: 10/12/20 11:15

Matrix: Water

Date Received: 10/15/20 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		80 - 120		10/18/20 23:23	1
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		10/18/20 23:23	1
4-Bromofluorobenzene (Surr)	102		73 - 120		10/18/20 23:23	1
Dibromofluoromethane (Surr)	101		75 - 123		10/18/20 23:23	1

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.29		0.19	0.095	ug/L		10/18/20 08:36	10/23/20 08:19	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	29		15 - 110				10/18/20 08:36	10/23/20 08:19	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.4	0.99	ng/L		10/21/20 14:00	10/22/20 13:22	1
Perfluoropentanoic acid (PFPeA)	ND		1.8	0.95	ng/L		10/21/20 14:00	10/22/20 13:22	1
Perfluorohexanoic acid (PFHxA)	ND		1.8	0.73	ng/L		10/21/20 14:00	10/22/20 13:22	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8	0.40	ng/L		10/21/20 14:00	10/22/20 13:22	1
Perfluorooctanoic acid (PFOA)	ND		1.8	0.86	ng/L		10/21/20 14:00	10/22/20 13:22	1
Perfluorononanoic acid (PFNA)	ND		1.8	0.51	ng/L		10/21/20 14:00	10/22/20 13:22	1
Perfluorodecanoic acid (PFDA)	ND		1.8	0.40	ng/L		10/21/20 14:00	10/22/20 13:22	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.64	ng/L		10/21/20 14:00	10/22/20 13:22	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.40	ng/L		10/21/20 14:00	10/22/20 13:22	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8	0.38	ng/L		10/21/20 14:00	10/22/20 13:22	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8	0.52	ng/L		10/21/20 14:00	10/22/20 13:22	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8	0.55	ng/L		10/21/20 14:00	10/22/20 13:22	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.59	ng/L		10/21/20 14:00	10/22/20 13:22	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8	0.34	ng/L		10/21/20 14:00	10/22/20 13:22	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8	0.76	ng/L		10/21/20 14:00	10/22/20 13:22	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.42	ng/L		10/21/20 14:00	10/22/20 13:22	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.50	ng/L		10/21/20 14:00	10/22/20 13:22	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.4	0.69	ng/L		10/21/20 14:00	10/22/20 13:22	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.4	0.82	ng/L		10/21/20 14:00	10/22/20 13:22	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		4.4	0.63	ng/L		10/21/20 14:00	10/22/20 13:22	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.8	0.58	ng/L		10/21/20 14:00	10/22/20 13:22	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	110		50 - 150				10/21/20 14:00	10/22/20 13:22	1
13C4 PFHpA	114		50 - 150				10/21/20 14:00	10/22/20 13:22	1
13C4 PFOA	105		50 - 150				10/21/20 14:00	10/22/20 13:22	1
13C4 PFOS	113		50 - 150				10/21/20 14:00	10/22/20 13:22	1
13C5 PFNA	108		50 - 150				10/21/20 14:00	10/22/20 13:22	1
13C4 PFBA	125		25 - 150				10/21/20 14:00	10/22/20 13:22	1
13C2 PFHxA	120		50 - 150				10/21/20 14:00	10/22/20 13:22	1
13C2 PFDA	95		50 - 150				10/21/20 14:00	10/22/20 13:22	1
13C2 PFUnA	91		50 - 150				10/21/20 14:00	10/22/20 13:22	1
13C2 PFDoA	71		50 - 150				10/21/20 14:00	10/22/20 13:22	1
13C8 FOSA	97		25 - 150				10/21/20 14:00	10/22/20 13:22	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-7D

Lab Sample ID: 480-176533-17

Date Collected: 10/12/20 11:15

Matrix: Water

Date Received: 10/15/20 08:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C5 PFPeA	124		25 - 150	10/21/20 14:00	10/22/20 13:22	1
13C2 PFTeDA	78		50 - 150	10/21/20 14:00	10/22/20 13:22	1
d3-NMeFOSAA	87		50 - 150	10/21/20 14:00	10/22/20 13:22	1
d5-NEtFOSAA	83		50 - 150	10/21/20 14:00	10/22/20 13:22	1
M2-6:2 FTS	115		25 - 150	10/21/20 14:00	10/22/20 13:22	1
M2-8:2 FTS	100		25 - 150	10/21/20 14:00	10/22/20 13:22	1
13C3 PFBS	116		50 - 150	10/21/20 14:00	10/22/20 13:22	1

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-9I

Lab Sample ID: 480-176533-18

Date Collected: 10/13/20 11:30

Matrix: Water

Date Received: 10/15/20 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	2.8		1.0	0.82	ug/L			10/18/20 23:46	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/18/20 23:46	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/18/20 23:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/18/20 23:46	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/18/20 23:46	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/18/20 23:46	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/18/20 23:46	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/18/20 23:46	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/18/20 23:46	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/18/20 23:46	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/18/20 23:46	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/18/20 23:46	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/18/20 23:46	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/18/20 23:46	1
2-Hexanone	ND		5.0	1.2	ug/L			10/18/20 23:46	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/18/20 23:46	1
Acetone	ND		10	3.0	ug/L			10/18/20 23:46	1
Benzene	ND		1.0	0.41	ug/L			10/18/20 23:46	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/18/20 23:46	1
Bromoform	ND		1.0	0.26	ug/L			10/18/20 23:46	1
Bromomethane	ND		1.0	0.69	ug/L			10/18/20 23:46	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/18/20 23:46	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/18/20 23:46	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/18/20 23:46	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/18/20 23:46	1
Chloroethane	ND		1.0	0.32	ug/L			10/18/20 23:46	1
Chloroform	ND		1.0	0.34	ug/L			10/18/20 23:46	1
Chloromethane	ND		1.0	0.35	ug/L			10/18/20 23:46	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/18/20 23:46	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/18/20 23:46	1
Cyclohexane	ND		1.0	0.18	ug/L			10/18/20 23:46	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/18/20 23:46	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/18/20 23:46	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/18/20 23:46	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/18/20 23:46	1
Methyl acetate	ND		2.5	1.3	ug/L			10/18/20 23:46	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/18/20 23:46	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/18/20 23:46	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/18/20 23:46	1
Styrene	ND		1.0	0.73	ug/L			10/18/20 23:46	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/18/20 23:46	1
Toluene	ND		1.0	0.51	ug/L			10/18/20 23:46	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/18/20 23:46	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/18/20 23:46	1
Trichloroethene	ND		1.0	0.46	ug/L			10/18/20 23:46	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/18/20 23:46	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/18/20 23:46	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/18/20 23:46	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-9I

Lab Sample ID: 480-176533-18

Date Collected: 10/13/20 11:30

Matrix: Water

Date Received: 10/15/20 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		80 - 120		10/18/20 23:46	1
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		10/18/20 23:46	1
4-Bromofluorobenzene (Surr)	101		73 - 120		10/18/20 23:46	1
Dibromofluoromethane (Surr)	102		75 - 123		10/18/20 23:46	1

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.19	0.095	ug/L		10/18/20 08:36	10/23/20 08:43	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	27		15 - 110				10/18/20 08:36	10/23/20 08:43	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	1.2	J	4.1	0.93	ng/L		10/21/20 14:00	10/22/20 13:30	1
Perfluoropentanoic acid (PFPeA)	1.5	J	1.7	0.89	ng/L		10/21/20 14:00	10/22/20 13:30	1
Perfluorohexanoic acid (PFHxA)	2.5		1.7	0.69	ng/L		10/21/20 14:00	10/22/20 13:30	1
Perfluoroheptanoic acid (PFHpA)	3.4		1.7	0.38	ng/L		10/21/20 14:00	10/22/20 13:30	1
Perfluorooctanoic acid (PFOA)	12		1.7	0.81	ng/L		10/21/20 14:00	10/22/20 13:30	1
Perfluorononanoic acid (PFNA)	ND		1.7	0.48	ng/L		10/21/20 14:00	10/22/20 13:30	
Perfluorodecanoic acid (PFDA)	ND		1.7	0.38	ng/L		10/21/20 14:00	10/22/20 13:30	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.60	ng/L		10/21/20 14:00	10/22/20 13:30	1
Perfluorododecanoic acid (PFDoA)	ND		1.7	0.38	ng/L		10/21/20 14:00	10/22/20 13:30	1
Perfluorotridecanoic acid (PFTriA)	ND		1.7	0.36	ng/L		10/21/20 14:00	10/22/20 13:30	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.7	0.49	ng/L		10/21/20 14:00	10/22/20 13:30	1
Perfluorobutanesulfonic acid (PFBS)	0.79	J	1.7	0.52	ng/L		10/21/20 14:00	10/22/20 13:30	1
Perfluorohexanesulfonic acid (PFHxS)	1.6	J	1.7	0.55	ng/L		10/21/20 14:00	10/22/20 13:30	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.48	J	1.7	0.32	ng/L		10/21/20 14:00	10/22/20 13:30	1
Perfluorooctanesulfonic acid (PFOS)	22		1.7	0.72	ng/L		10/21/20 14:00	10/22/20 13:30	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.40	ng/L		10/21/20 14:00	10/22/20 13:30	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.7	0.47	ng/L		10/21/20 14:00	10/22/20 13:30	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.1	0.65	ng/L		10/21/20 14:00	10/22/20 13:30	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.1	0.77	ng/L		10/21/20 14:00	10/22/20 13:30	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		4.1	0.60	ng/L		10/21/20 14:00	10/22/20 13:30	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.7	0.55	ng/L		10/21/20 14:00	10/22/20 13:30	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	91		50 - 150				10/21/20 14:00	10/22/20 13:30	1
13C4 PFHpA	111		50 - 150				10/21/20 14:00	10/22/20 13:30	1
13C4 PFOA	97		50 - 150				10/21/20 14:00	10/22/20 13:30	1
13C4 PFOS	66		50 - 150				10/21/20 14:00	10/22/20 13:30	1
13C5 PFNA	88		50 - 150				10/21/20 14:00	10/22/20 13:30	1
13C4 PFBA	99		25 - 150				10/21/20 14:00	10/22/20 13:30	1
13C2 PFHxA	106		50 - 150				10/21/20 14:00	10/22/20 13:30	1
13C2 PFDA	69		50 - 150				10/21/20 14:00	10/22/20 13:30	1
13C2 PFUnA	50		50 - 150				10/21/20 14:00	10/22/20 13:30	

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-9I

Lab Sample ID: 480-176533-18

Date Collected: 10/13/20 11:30

Matrix: Water

Date Received: 10/15/20 08:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C2 PFDoA	37	*5	50 - 150	10/21/20 14:00	10/22/20 13:30	1
13C8 FOSA	50		25 - 150	10/21/20 14:00	10/22/20 13:30	1
13C5 PFPeA	112		25 - 150	10/21/20 14:00	10/22/20 13:30	1
13C2 PFTeDA	31	*5	50 - 150	10/21/20 14:00	10/22/20 13:30	1
d3-NMeFOSAA	46	*5	50 - 150	10/21/20 14:00	10/22/20 13:30	1
d5-NEtFOSAA	45	*5	50 - 150	10/21/20 14:00	10/22/20 13:30	1
M2-6:2 FTS	142		25 - 150	10/21/20 14:00	10/22/20 13:30	1
M2-8:2 FTS	112		25 - 150	10/21/20 14:00	10/22/20 13:30	1
13C3 PFBS	91		50 - 150	10/21/20 14:00	10/22/20 13:30	1

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-9D

Lab Sample ID: 480-176533-19

Date Collected: 10/13/20 12:45

Matrix: Water

Date Received: 10/15/20 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			10/19/20 00:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/19/20 00:09	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/19/20 00:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/19/20 00:09	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/19/20 00:09	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/19/20 00:09	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/19/20 00:09	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/19/20 00:09	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/19/20 00:09	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/19/20 00:09	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/19/20 00:09	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/19/20 00:09	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/19/20 00:09	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/19/20 00:09	1
2-Hexanone	ND		5.0	1.2	ug/L			10/19/20 00:09	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/19/20 00:09	1
Acetone	ND		10	3.0	ug/L			10/19/20 00:09	1
Benzene	ND		1.0	0.41	ug/L			10/19/20 00:09	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/19/20 00:09	1
Bromoform	ND		1.0	0.26	ug/L			10/19/20 00:09	1
Bromomethane	ND		1.0	0.69	ug/L			10/19/20 00:09	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/19/20 00:09	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/19/20 00:09	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/19/20 00:09	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/19/20 00:09	1
Chloroethane	ND		1.0	0.32	ug/L			10/19/20 00:09	1
Chloroform	ND		1.0	0.34	ug/L			10/19/20 00:09	1
Chloromethane	ND		1.0	0.35	ug/L			10/19/20 00:09	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/19/20 00:09	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/19/20 00:09	1
Cyclohexane	ND		1.0	0.18	ug/L			10/19/20 00:09	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/19/20 00:09	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/19/20 00:09	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/19/20 00:09	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/19/20 00:09	1
Methyl acetate	ND		2.5	1.3	ug/L			10/19/20 00:09	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/19/20 00:09	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/19/20 00:09	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/19/20 00:09	1
Styrene	ND		1.0	0.73	ug/L			10/19/20 00:09	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/19/20 00:09	1
Toluene	ND		1.0	0.51	ug/L			10/19/20 00:09	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/19/20 00:09	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/19/20 00:09	1
Trichloroethene	ND		1.0	0.46	ug/L			10/19/20 00:09	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/19/20 00:09	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/19/20 00:09	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/19/20 00:09	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-9D

Lab Sample ID: 480-176533-19

Date Collected: 10/13/20 12:45

Matrix: Water

Date Received: 10/15/20 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		80 - 120		10/19/20 00:09	1
1,2-Dichloroethane-d4 (Surr)	105		77 - 120		10/19/20 00:09	1
4-Bromofluorobenzene (Surr)	101		73 - 120		10/19/20 00:09	1
Dibromofluoromethane (Surr)	107		75 - 123		10/19/20 00:09	1

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		1.9	0.95	ug/L		10/18/20 08:36	10/23/20 09:06	10
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	30		15 - 110				10/18/20 08:36	10/23/20 09:06	10

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	1.0	J	4.0	0.91	ng/L		10/21/20 14:00	10/22/20 13:39	1
Perfluoropentanoic acid (PFPeA)	1.2	J	1.6	0.87	ng/L		10/21/20 14:00	10/22/20 13:39	1
Perfluorohexanoic acid (PFHxA)	2.2		1.6	0.67	ng/L		10/21/20 14:00	10/22/20 13:39	1
Perfluoroheptanoic acid (PFHpA)	2.4		1.6	0.37	ng/L		10/21/20 14:00	10/22/20 13:39	1
Perfluorooctanoic acid (PFOA)	17		1.6	0.79	ng/L		10/21/20 14:00	10/22/20 13:39	1
Perfluorononanoic acid (PFNA)	ND		1.6	0.47	ng/L		10/21/20 14:00	10/22/20 13:39	1
Perfluorodecanoic acid (PFDA)	ND		1.6	0.37	ng/L		10/21/20 14:00	10/22/20 13:39	1
Perfluoroundecanoic acid (PFUnA)	ND		1.6	0.59	ng/L		10/21/20 14:00	10/22/20 13:39	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.37	ng/L		10/21/20 14:00	10/22/20 13:39	1
Perfluorotridecanoic acid (PFTriA)	ND		1.6	0.35	ng/L		10/21/20 14:00	10/22/20 13:39	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.6	0.47	ng/L		10/21/20 14:00	10/22/20 13:39	1
Perfluorobutanesulfonic acid (PFBS)	0.71	J	1.6	0.51	ng/L		10/21/20 14:00	10/22/20 13:39	1
Perfluorohexanesulfonic acid (PFHxS)	2.1		1.6	0.54	ng/L		10/21/20 14:00	10/22/20 13:39	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.76	J	1.6	0.31	ng/L		10/21/20 14:00	10/22/20 13:39	1
Perfluorooctanesulfonic acid (PFOS)	44		1.6	0.70	ng/L		10/21/20 14:00	10/22/20 13:39	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.39	ng/L		10/21/20 14:00	10/22/20 13:39	1
Perfluorooctanesulfonamide (PFOSA)	4.8		1.6	0.46	ng/L		10/21/20 14:00	10/22/20 13:39	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.0	0.63	ng/L		10/21/20 14:00	10/22/20 13:39	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.0	0.75	ng/L		10/21/20 14:00	10/22/20 13:39	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		4.0	0.58	ng/L		10/21/20 14:00	10/22/20 13:39	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.6	0.53	ng/L		10/21/20 14:00	10/22/20 13:39	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	77		50 - 150				10/21/20 14:00	10/22/20 13:39	1
13C4 PFHpA	107		50 - 150				10/21/20 14:00	10/22/20 13:39	1
13C4 PFOA	99		50 - 150				10/21/20 14:00	10/22/20 13:39	1
13C4 PFOS	60		50 - 150				10/21/20 14:00	10/22/20 13:39	1
13C5 PFNA	90		50 - 150				10/21/20 14:00	10/22/20 13:39	1
13C4 PFBA	78		25 - 150				10/21/20 14:00	10/22/20 13:39	1
13C2 PFHxA	88		50 - 150				10/21/20 14:00	10/22/20 13:39	1
13C2 PFDA	69		50 - 150				10/21/20 14:00	10/22/20 13:39	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-9D

Lab Sample ID: 480-176533-19

Date Collected: 10/13/20 12:45

Matrix: Water

Date Received: 10/15/20 08:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C2 PFUnA	46	*5	50 - 150	10/21/20 14:00	10/22/20 13:39	1
13C2 PFDoA	29	*5	50 - 150	10/21/20 14:00	10/22/20 13:39	1
13C8 FOSA	44		25 - 150	10/21/20 14:00	10/22/20 13:39	1
13C5 PFPeA	94		25 - 150	10/21/20 14:00	10/22/20 13:39	1
13C2 PFTeDA	21	*5	50 - 150	10/21/20 14:00	10/22/20 13:39	1
d3-NMeFOSAA	40	*5	50 - 150	10/21/20 14:00	10/22/20 13:39	1
d5-NEtFOSAA	35	*5	50 - 150	10/21/20 14:00	10/22/20 13:39	1
M2-6:2 FTS	169	*5	25 - 150	10/21/20 14:00	10/22/20 13:39	1
M2-8:2 FTS	116		25 - 150	10/21/20 14:00	10/22/20 13:39	1
13C3 PFBS	72		50 - 150	10/21/20 14:00	10/22/20 13:39	1

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-10D

Lab Sample ID: 480-176533-20

Date Collected: 10/12/20 09:35

Matrix: Water

Date Received: 10/15/20 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			10/19/20 00:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/19/20 00:32	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/19/20 00:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/19/20 00:32	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/19/20 00:32	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/19/20 00:32	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/19/20 00:32	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/19/20 00:32	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/19/20 00:32	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/19/20 00:32	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/19/20 00:32	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/19/20 00:32	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/19/20 00:32	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/19/20 00:32	1
2-Hexanone	ND		5.0	1.2	ug/L			10/19/20 00:32	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/19/20 00:32	1
Acetone	ND		10	3.0	ug/L			10/19/20 00:32	1
Benzene	ND		1.0	0.41	ug/L			10/19/20 00:32	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/19/20 00:32	1
Bromoform	ND		1.0	0.26	ug/L			10/19/20 00:32	1
Bromomethane	ND		1.0	0.69	ug/L			10/19/20 00:32	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/19/20 00:32	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/19/20 00:32	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/19/20 00:32	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/19/20 00:32	1
Chloroethane	ND		1.0	0.32	ug/L			10/19/20 00:32	1
Chloroform	ND		1.0	0.34	ug/L			10/19/20 00:32	1
Chloromethane	ND		1.0	0.35	ug/L			10/19/20 00:32	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/19/20 00:32	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/19/20 00:32	1
Cyclohexane	ND		1.0	0.18	ug/L			10/19/20 00:32	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/19/20 00:32	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/19/20 00:32	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/19/20 00:32	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/19/20 00:32	1
Methyl acetate	ND		2.5	1.3	ug/L			10/19/20 00:32	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/19/20 00:32	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/19/20 00:32	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/19/20 00:32	1
Styrene	ND		1.0	0.73	ug/L			10/19/20 00:32	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/19/20 00:32	1
Toluene	ND		1.0	0.51	ug/L			10/19/20 00:32	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/19/20 00:32	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/19/20 00:32	1
Trichloroethene	ND		1.0	0.46	ug/L			10/19/20 00:32	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/19/20 00:32	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/19/20 00:32	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/19/20 00:32	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-10D

Lab Sample ID: 480-176533-20

Date Collected: 10/12/20 09:35

Matrix: Water

Date Received: 10/15/20 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		80 - 120		10/19/20 00:32	1
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		10/19/20 00:32	1
4-Bromofluorobenzene (Surr)	98		73 - 120		10/19/20 00:32	1
Dibromofluoromethane (Surr)	103		75 - 123		10/19/20 00:32	1

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.10	J	0.19	0.095	ug/L		10/18/20 08:36	10/23/20 09:30	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	29		15 - 110				10/18/20 08:36	10/23/20 09:30	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	3.1	J	4.1	0.92	ng/L		10/21/20 14:00	10/22/20 13:47	1
Perfluoropentanoic acid (PFPeA)	1.5	J	1.6	0.88	ng/L		10/21/20 14:00	10/22/20 13:47	1
Perfluorohexanoic acid (PFHxA)	2.2		1.6	0.68	ng/L		10/21/20 14:00	10/22/20 13:47	1
Perfluoroheptanoic acid (PFHpA)	2.0		1.6	0.38	ng/L		10/21/20 14:00	10/22/20 13:47	1
Perfluorooctanoic acid (PFOA)	12		1.6	0.80	ng/L		10/21/20 14:00	10/22/20 13:47	1
Perfluorononanoic acid (PFNA)	0.53	J	1.6	0.47	ng/L		10/21/20 14:00	10/22/20 13:47	1
Perfluorodecanoic acid (PFDA)	0.38	J	1.6	0.38	ng/L		10/21/20 14:00	10/22/20 13:47	1
Perfluoroundecanoic acid (PFUnA)	ND		1.6	0.60	ng/L		10/21/20 14:00	10/22/20 13:47	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.38	ng/L		10/21/20 14:00	10/22/20 13:47	1
Perfluorotridecanoic acid (PFTriA)	ND		1.6	0.35	ng/L		10/21/20 14:00	10/22/20 13:47	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.6	0.48	ng/L		10/21/20 14:00	10/22/20 13:47	1
Perfluorobutanesulfonic acid (PFBS)	0.51	J	1.6	0.51	ng/L		10/21/20 14:00	10/22/20 13:47	1
Perfluorohexanesulfonic acid (PFHxS)	3.0		1.6	0.55	ng/L		10/21/20 14:00	10/22/20 13:47	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.98	J	1.6	0.32	ng/L		10/21/20 14:00	10/22/20 13:47	1
Perfluorooctanesulfonic acid (PFOS)	39		1.6	0.71	ng/L		10/21/20 14:00	10/22/20 13:47	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.39	ng/L		10/21/20 14:00	10/22/20 13:47	1
Perfluorooctanesulfonamide (PFOSA)	0.60	J	1.6	0.46	ng/L		10/21/20 14:00	10/22/20 13:47	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.1	0.64	ng/L		10/21/20 14:00	10/22/20 13:47	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.1	0.76	ng/L		10/21/20 14:00	10/22/20 13:47	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		4.1	0.59	ng/L		10/21/20 14:00	10/22/20 13:47	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.6	0.54	ng/L		10/21/20 14:00	10/22/20 13:47	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	102		50 - 150				10/21/20 14:00	10/22/20 13:47	1
13C4 PFHpA	108		50 - 150				10/21/20 14:00	10/22/20 13:47	1
13C4 PFOA	99		50 - 150				10/21/20 14:00	10/22/20 13:47	1
13C4 PFOS	99		50 - 150				10/21/20 14:00	10/22/20 13:47	1
13C5 PFNA	98		50 - 150				10/21/20 14:00	10/22/20 13:47	1
13C4 PFBA	141		25 - 150				10/21/20 14:00	10/22/20 13:47	1
13C2 PFHxA	112		50 - 150				10/21/20 14:00	10/22/20 13:47	1
13C2 PFDA	87		50 - 150				10/21/20 14:00	10/22/20 13:47	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-10D

Lab Sample ID: 480-176533-20

Date Collected: 10/12/20 09:35

Matrix: Water

Date Received: 10/15/20 08:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C2 PFUnA	82		50 - 150	10/21/20 14:00	10/22/20 13:47	1
13C2 PFDoA	59		50 - 150	10/21/20 14:00	10/22/20 13:47	1
13C8 FOSA	84		25 - 150	10/21/20 14:00	10/22/20 13:47	1
13C5 PFPeA	118		25 - 150	10/21/20 14:00	10/22/20 13:47	1
13C2 PFTeDA	68		50 - 150	10/21/20 14:00	10/22/20 13:47	1
d3-NMeFOSAA	66		50 - 150	10/21/20 14:00	10/22/20 13:47	1
d5-NEtFOSAA	62		50 - 150	10/21/20 14:00	10/22/20 13:47	1
M2-6:2 FTS	110		25 - 150	10/21/20 14:00	10/22/20 13:47	1
M2-8:2 FTS	105		25 - 150	10/21/20 14:00	10/22/20 13:47	1
13C3 PFBS	102		50 - 150	10/21/20 14:00	10/22/20 13:47	1

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-12I

Lab Sample ID: 480-176533-21

Date Collected: 10/12/20 13:20

Matrix: Water

Date Received: 10/15/20 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	1.9		1.0	0.82	ug/L			10/19/20 00:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/19/20 00:55	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/19/20 00:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/19/20 00:55	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/19/20 00:55	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/19/20 00:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/19/20 00:55	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/19/20 00:55	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/19/20 00:55	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/19/20 00:55	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/19/20 00:55	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/19/20 00:55	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/19/20 00:55	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/19/20 00:55	1
2-Hexanone	ND		5.0	1.2	ug/L			10/19/20 00:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/19/20 00:55	1
Acetone	ND		10	3.0	ug/L			10/19/20 00:55	1
Benzene	ND		1.0	0.41	ug/L			10/19/20 00:55	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/19/20 00:55	1
Bromoform	ND		1.0	0.26	ug/L			10/19/20 00:55	1
Bromomethane	ND		1.0	0.69	ug/L			10/19/20 00:55	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/19/20 00:55	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/19/20 00:55	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/19/20 00:55	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/19/20 00:55	1
Chloroethane	ND		1.0	0.32	ug/L			10/19/20 00:55	1
Chloroform	ND		1.0	0.34	ug/L			10/19/20 00:55	1
Chloromethane	ND		1.0	0.35	ug/L			10/19/20 00:55	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/19/20 00:55	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/19/20 00:55	1
Cyclohexane	ND		1.0	0.18	ug/L			10/19/20 00:55	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/19/20 00:55	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/19/20 00:55	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/19/20 00:55	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/19/20 00:55	1
Methyl acetate	ND		2.5	1.3	ug/L			10/19/20 00:55	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/19/20 00:55	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/19/20 00:55	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/19/20 00:55	1
Styrene	ND		1.0	0.73	ug/L			10/19/20 00:55	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/19/20 00:55	1
Toluene	ND		1.0	0.51	ug/L			10/19/20 00:55	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/19/20 00:55	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/19/20 00:55	1
Trichloroethene	ND		1.0	0.46	ug/L			10/19/20 00:55	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/19/20 00:55	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/19/20 00:55	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/19/20 00:55	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-12I

Lab Sample ID: 480-176533-21

Date Collected: 10/12/20 13:20

Matrix: Water

Date Received: 10/15/20 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		80 - 120		10/19/20 00:55	1
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		10/19/20 00:55	1
4-Bromofluorobenzene (Surr)	98		73 - 120		10/19/20 00:55	1
Dibromofluoromethane (Surr)	104		75 - 123		10/19/20 00:55	1

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.19	0.095	ug/L		10/18/20 08:56	10/23/20 19:06	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	30		15 - 110				10/18/20 08:56	10/23/20 19:06	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.0	0.90	ng/L		10/22/20 15:00	10/22/20 19:43	1
Perfluoropentanoic acid (PFPeA)	ND		1.6	0.86	ng/L		10/22/20 15:00	10/22/20 19:43	1
Perfluorohexanoic acid (PFHxA)	ND		1.6	0.66	ng/L		10/22/20 15:00	10/22/20 19:43	1
Perfluoroheptanoic acid (PFHpA)	ND		1.6	0.37	ng/L		10/22/20 15:00	10/22/20 19:43	1
Perfluorooctanoic acid (PFOA)	ND		1.6	0.78	ng/L		10/22/20 15:00	10/22/20 19:43	1
Perfluorononanoic acid (PFNA)	ND		1.6	0.46	ng/L		10/22/20 15:00	10/22/20 19:43	1
Perfluorodecanoic acid (PFDA)	ND		1.6	0.37	ng/L		10/22/20 15:00	10/22/20 19:43	1
Perfluoroundecanoic acid (PFUnA)	ND		1.6	0.58	ng/L		10/22/20 15:00	10/22/20 19:43	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.37	ng/L		10/22/20 15:00	10/22/20 19:43	1
Perfluorotridecanoic acid (PFTriA)	ND		1.6	0.34	ng/L		10/22/20 15:00	10/22/20 19:43	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.6	0.47	ng/L		10/22/20 15:00	10/22/20 19:43	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.6	0.50	ng/L		10/22/20 15:00	10/22/20 19:43	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.6	0.53	ng/L		10/22/20 15:00	10/22/20 19:43	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.6	0.31	ng/L		10/22/20 15:00	10/22/20 19:43	1
Perfluorooctanesulfonic acid (PFOS)	1.6		1.6	0.69	ng/L		10/22/20 15:00	10/22/20 19:43	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.38	ng/L		10/22/20 15:00	10/22/20 19:43	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.6	0.45	ng/L		10/22/20 15:00	10/22/20 19:43	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.0	0.63	ng/L		10/22/20 15:00	10/22/20 19:43	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.0	0.74	ng/L		10/22/20 15:00	10/22/20 19:43	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		4.0	0.57	ng/L		10/22/20 15:00	10/22/20 19:43	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.6	0.53	ng/L		10/22/20 15:00	10/22/20 19:43	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	105		50 - 150				10/22/20 15:00	10/22/20 19:43	1
13C4 PFHpA	115		50 - 150				10/22/20 15:00	10/22/20 19:43	1
13C4 PFOA	103		50 - 150				10/22/20 15:00	10/22/20 19:43	1
13C4 PFOS	104		50 - 150				10/22/20 15:00	10/22/20 19:43	1
13C5 PFNA	95		50 - 150				10/22/20 15:00	10/22/20 19:43	1
13C4 PFBA	120		25 - 150				10/22/20 15:00	10/22/20 19:43	1
13C2 PFHxA	112		50 - 150				10/22/20 15:00	10/22/20 19:43	1
13C2 PFDA	92		50 - 150				10/22/20 15:00	10/22/20 19:43	1
13C2 PFUnA	82		50 - 150				10/22/20 15:00	10/22/20 19:43	1
13C2 PFDoA	59		50 - 150				10/22/20 15:00	10/22/20 19:43	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-12I

Lab Sample ID: 480-176533-21

Date Collected: 10/12/20 13:20

Matrix: Water

Date Received: 10/15/20 08:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C8 FOSA	96		25 - 150	10/22/20 15:00	10/22/20 19:43	1
13C5 PFPeA	119		25 - 150	10/22/20 15:00	10/22/20 19:43	1
13C2 PFTeDA	63		50 - 150	10/22/20 15:00	10/22/20 19:43	1
d3-NMeFOSAA	72		50 - 150	10/22/20 15:00	10/22/20 19:43	1
d5-NEtFOSAA	70		50 - 150	10/22/20 15:00	10/22/20 19:43	1
M2-6:2 FTS	110		25 - 150	10/22/20 15:00	10/22/20 19:43	1
M2-8:2 FTS	104		25 - 150	10/22/20 15:00	10/22/20 19:43	1
13C3 PFBS	108		50 - 150	10/22/20 15:00	10/22/20 19:43	1

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-12D

Lab Sample ID: 480-176533-22

Date Collected: 10/12/20 12:20

Matrix: Water

Date Received: 10/15/20 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			10/19/20 01:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/19/20 01:18	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/19/20 01:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/19/20 01:18	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/19/20 01:18	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/19/20 01:18	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/19/20 01:18	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/19/20 01:18	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/19/20 01:18	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/19/20 01:18	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/19/20 01:18	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/19/20 01:18	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/19/20 01:18	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/19/20 01:18	1
2-Hexanone	ND		5.0	1.2	ug/L			10/19/20 01:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/19/20 01:18	1
Acetone	ND		10	3.0	ug/L			10/19/20 01:18	1
Benzene	ND		1.0	0.41	ug/L			10/19/20 01:18	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/19/20 01:18	1
Bromoform	ND		1.0	0.26	ug/L			10/19/20 01:18	1
Bromomethane	ND		1.0	0.69	ug/L			10/19/20 01:18	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/19/20 01:18	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/19/20 01:18	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/19/20 01:18	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/19/20 01:18	1
Chloroethane	ND		1.0	0.32	ug/L			10/19/20 01:18	1
Chloroform	ND		1.0	0.34	ug/L			10/19/20 01:18	1
Chloromethane	ND		1.0	0.35	ug/L			10/19/20 01:18	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/19/20 01:18	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/19/20 01:18	1
Cyclohexane	ND		1.0	0.18	ug/L			10/19/20 01:18	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/19/20 01:18	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/19/20 01:18	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/19/20 01:18	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/19/20 01:18	1
Methyl acetate	ND		2.5	1.3	ug/L			10/19/20 01:18	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/19/20 01:18	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/19/20 01:18	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/19/20 01:18	1
Styrene	ND		1.0	0.73	ug/L			10/19/20 01:18	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/19/20 01:18	1
Toluene	ND		1.0	0.51	ug/L			10/19/20 01:18	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/19/20 01:18	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/19/20 01:18	1
Trichloroethene	ND		1.0	0.46	ug/L			10/19/20 01:18	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/19/20 01:18	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/19/20 01:18	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/19/20 01:18	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-12D

Lab Sample ID: 480-176533-22

Date Collected: 10/12/20 12:20

Matrix: Water

Date Received: 10/15/20 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		80 - 120		10/19/20 01:18	1
1,2-Dichloroethane-d4 (Surr)	105		77 - 120		10/19/20 01:18	1
4-Bromofluorobenzene (Surr)	101		73 - 120		10/19/20 01:18	1
Dibromofluoromethane (Surr)	109		75 - 123		10/19/20 01:18	1

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.44		0.19	0.095	ug/L		10/18/20 08:56	10/23/20 19:30	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	30		15 - 110				10/18/20 08:56	10/23/20 19:30	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.2	0.95	ng/L		10/22/20 15:00	10/22/20 19:51	1
Perfluoropentanoic acid (PFPeA)	ND		1.7	0.91	ng/L		10/22/20 15:00	10/22/20 19:51	1
Perfluorohexanoic acid (PFHxA)	ND		1.7	0.70	ng/L		10/22/20 15:00	10/22/20 19:51	1
Perfluoroheptanoic acid (PFHpA)	ND		1.7	0.39	ng/L		10/22/20 15:00	10/22/20 19:51	1
Perfluorooctanoic acid (PFOA)	ND		1.7	0.83	ng/L		10/22/20 15:00	10/22/20 19:51	1
Perfluorononanoic acid (PFNA)	ND		1.7	0.49	ng/L		10/22/20 15:00	10/22/20 19:51	1
Perfluorodecanoic acid (PFDA)	ND		1.7	0.39	ng/L		10/22/20 15:00	10/22/20 19:51	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.62	ng/L		10/22/20 15:00	10/22/20 19:51	1
Perfluorododecanoic acid (PFDoA)	ND		1.7	0.39	ng/L		10/22/20 15:00	10/22/20 19:51	1
Perfluorotridecanoic acid (PFTriA)	ND		1.7	0.36	ng/L		10/22/20 15:00	10/22/20 19:51	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.7	0.50	ng/L		10/22/20 15:00	10/22/20 19:51	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.7	0.53	ng/L		10/22/20 15:00	10/22/20 19:51	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.7	0.56	ng/L		10/22/20 15:00	10/22/20 19:51	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.7	0.33	ng/L		10/22/20 15:00	10/22/20 19:51	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.7	0.73	ng/L		10/22/20 15:00	10/22/20 19:51	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.40	ng/L		10/22/20 15:00	10/22/20 19:51	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.7	0.48	ng/L		10/22/20 15:00	10/22/20 19:51	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.2	0.67	ng/L		10/22/20 15:00	10/22/20 19:51	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.2	0.78	ng/L		10/22/20 15:00	10/22/20 19:51	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		4.2	0.61	ng/L		10/22/20 15:00	10/22/20 19:51	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.7	0.56	ng/L		10/22/20 15:00	10/22/20 19:51	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	117		50 - 150				10/22/20 15:00	10/22/20 19:51	1
13C4 PFHpA	113		50 - 150				10/22/20 15:00	10/22/20 19:51	1
13C4 PFOA	105		50 - 150				10/22/20 15:00	10/22/20 19:51	1
13C4 PFOS	111		50 - 150				10/22/20 15:00	10/22/20 19:51	1
13C5 PFNA	101		50 - 150				10/22/20 15:00	10/22/20 19:51	1
13C4 PFBA	124		25 - 150				10/22/20 15:00	10/22/20 19:51	1
13C2 PFHxA	119		50 - 150				10/22/20 15:00	10/22/20 19:51	1
13C2 PFDA	93		50 - 150				10/22/20 15:00	10/22/20 19:51	1
13C2 PFUnA	84		50 - 150				10/22/20 15:00	10/22/20 19:51	1
13C2 PFDoA	72		50 - 150				10/22/20 15:00	10/22/20 19:51	1
13C8 FOSA	99		25 - 150				10/22/20 15:00	10/22/20 19:51	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-12D

Lab Sample ID: 480-176533-22

Date Collected: 10/12/20 12:20

Matrix: Water

Date Received: 10/15/20 08:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C5 PFPeA	123		25 - 150	10/22/20 15:00	10/22/20 19:51	1
13C2 PFTeDA	76		50 - 150	10/22/20 15:00	10/22/20 19:51	1
d3-NMeFOSAA	79		50 - 150	10/22/20 15:00	10/22/20 19:51	1
d5-NEtFOSAA	78		50 - 150	10/22/20 15:00	10/22/20 19:51	1
M2-6:2 FTS	119		25 - 150	10/22/20 15:00	10/22/20 19:51	1
M2-8:2 FTS	110		25 - 150	10/22/20 15:00	10/22/20 19:51	1
13C3 PFBS	109		50 - 150	10/22/20 15:00	10/22/20 19:51	1

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-14S

Lab Sample ID: 480-176533-23

Date Collected: 10/14/20 09:10

Matrix: Water

Date Received: 10/15/20 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	32		1.0	0.82	ug/L			10/19/20 01:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/19/20 01:41	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/19/20 01:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/19/20 01:41	1
1,1-Dichloroethane	1.0		1.0	0.38	ug/L			10/19/20 01:41	1
1,1-Dichloroethene	0.72 J		1.0	0.29	ug/L			10/19/20 01:41	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/19/20 01:41	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/19/20 01:41	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/19/20 01:41	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/19/20 01:41	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/19/20 01:41	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/19/20 01:41	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/19/20 01:41	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/19/20 01:41	1
2-Hexanone	ND		5.0	1.2	ug/L			10/19/20 01:41	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/19/20 01:41	1
Acetone	ND		10	3.0	ug/L			10/19/20 01:41	1
Benzene	ND		1.0	0.41	ug/L			10/19/20 01:41	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/19/20 01:41	1
Bromoform	ND		1.0	0.26	ug/L			10/19/20 01:41	1
Bromomethane	ND		1.0	0.69	ug/L			10/19/20 01:41	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/19/20 01:41	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/19/20 01:41	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/19/20 01:41	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/19/20 01:41	1
Chloroethane	ND		1.0	0.32	ug/L			10/19/20 01:41	1
Chloroform	ND		1.0	0.34	ug/L			10/19/20 01:41	1
Chloromethane	ND		1.0	0.35	ug/L			10/19/20 01:41	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/19/20 01:41	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/19/20 01:41	1
Cyclohexane	ND		1.0	0.18	ug/L			10/19/20 01:41	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/19/20 01:41	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/19/20 01:41	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/19/20 01:41	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/19/20 01:41	1
Methyl acetate	ND		2.5	1.3	ug/L			10/19/20 01:41	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/19/20 01:41	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/19/20 01:41	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/19/20 01:41	1
Styrene	ND		1.0	0.73	ug/L			10/19/20 01:41	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/19/20 01:41	1
Toluene	ND		1.0	0.51	ug/L			10/19/20 01:41	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/19/20 01:41	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/19/20 01:41	1
Trichloroethene	ND		1.0	0.46	ug/L			10/19/20 01:41	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/19/20 01:41	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/19/20 01:41	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/19/20 01:41	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-14S

Lab Sample ID: 480-176533-23

Date Collected: 10/14/20 09:10

Matrix: Water

Date Received: 10/15/20 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		80 - 120		10/19/20 01:41	1
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		10/19/20 01:41	1
4-Bromofluorobenzene (Surr)	100		73 - 120		10/19/20 01:41	1
Dibromofluoromethane (Surr)	103		75 - 123		10/19/20 01:41	1

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.17	J	0.19	0.095	ug/L		10/18/20 08:56	10/23/20 19:53	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	28		15 - 110				10/18/20 08:56	10/23/20 19:53	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.1	0.92	ng/L		10/22/20 15:00	10/22/20 20:00	1
Perfluoropentanoic acid (PFPeA)	ND		1.6	0.88	ng/L		10/22/20 15:00	10/22/20 20:00	1
Perfluorohexanoic acid (PFHxA)	ND		1.6	0.68	ng/L		10/22/20 15:00	10/22/20 20:00	1
Perfluoroheptanoic acid (PFHpA)	ND		1.6	0.37	ng/L		10/22/20 15:00	10/22/20 20:00	1
Perfluorooctanoic acid (PFOA)	1.3	J	1.6	0.80	ng/L		10/22/20 15:00	10/22/20 20:00	1
Perfluorononanoic acid (PFNA)	ND		1.6	0.47	ng/L		10/22/20 15:00	10/22/20 20:00	1
Perfluorodecanoic acid (PFDA)	ND		1.6	0.37	ng/L		10/22/20 15:00	10/22/20 20:00	1
Perfluoroundecanoic acid (PFUnA)	ND		1.6	0.59	ng/L		10/22/20 15:00	10/22/20 20:00	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.37	ng/L		10/22/20 15:00	10/22/20 20:00	1
Perfluorotridecanoic acid (PFTriA)	ND		1.6	0.35	ng/L		10/22/20 15:00	10/22/20 20:00	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.6	0.48	ng/L		10/22/20 15:00	10/22/20 20:00	1
Perfluorobutanesulfonic acid (PFBS)	1.8		1.6	0.51	ng/L		10/22/20 15:00	10/22/20 20:00	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.6	0.55	ng/L		10/22/20 15:00	10/22/20 20:00	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.6	0.32	ng/L		10/22/20 15:00	10/22/20 20:00	1
Perfluorooctanesulfonic acid (PFOS)	2.5		1.6	0.71	ng/L		10/22/20 15:00	10/22/20 20:00	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.39	ng/L		10/22/20 15:00	10/22/20 20:00	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.6	0.46	ng/L		10/22/20 15:00	10/22/20 20:00	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.1	0.64	ng/L		10/22/20 15:00	10/22/20 20:00	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.1	0.76	ng/L		10/22/20 15:00	10/22/20 20:00	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		4.1	0.59	ng/L		10/22/20 15:00	10/22/20 20:00	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.6	0.54	ng/L		10/22/20 15:00	10/22/20 20:00	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	110		50 - 150				10/22/20 15:00	10/22/20 20:00	1
13C4 PFHpA	109		50 - 150				10/22/20 15:00	10/22/20 20:00	1
13C4 PFOA	101		50 - 150				10/22/20 15:00	10/22/20 20:00	1
13C4 PFOS	111		50 - 150				10/22/20 15:00	10/22/20 20:00	1
13C5 PFNA	98		50 - 150				10/22/20 15:00	10/22/20 20:00	1
13C4 PFBA	114		25 - 150				10/22/20 15:00	10/22/20 20:00	1
13C2 PFHxA	115		50 - 150				10/22/20 15:00	10/22/20 20:00	1
13C2 PFDA	98		50 - 150				10/22/20 15:00	10/22/20 20:00	1
13C2 PFUnA	84		50 - 150				10/22/20 15:00	10/22/20 20:00	1
13C2 PFDoA	65		50 - 150				10/22/20 15:00	10/22/20 20:00	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-14S

Lab Sample ID: 480-176533-23

Date Collected: 10/14/20 09:10

Matrix: Water

Date Received: 10/15/20 08:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C8 FOSA	99		25 - 150	10/22/20 15:00	10/22/20 20:00	1
13C5 PFPeA	118		25 - 150	10/22/20 15:00	10/22/20 20:00	1
13C2 PFTeDA	71		50 - 150	10/22/20 15:00	10/22/20 20:00	1
d3-NMeFOSAA	80		50 - 150	10/22/20 15:00	10/22/20 20:00	1
d5-NEtFOSAA	83		50 - 150	10/22/20 15:00	10/22/20 20:00	1
M2-6:2 FTS	109		25 - 150	10/22/20 15:00	10/22/20 20:00	1
M2-8:2 FTS	107		25 - 150	10/22/20 15:00	10/22/20 20:00	1
13C3 PFBS	107		50 - 150	10/22/20 15:00	10/22/20 20:00	1

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-141

Lab Sample ID: 480-176533-24

Date Collected: 10/13/20 15:40

Matrix: Water

Date Received: 10/15/20 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	54		1.0	0.82	ug/L			10/19/20 02:04	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/19/20 02:04	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/19/20 02:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/19/20 02:04	1
1,1-Dichloroethane	1.9		1.0	0.38	ug/L			10/19/20 02:04	1
1,1-Dichloroethene	1.2		1.0	0.29	ug/L			10/19/20 02:04	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/19/20 02:04	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/19/20 02:04	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/19/20 02:04	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/19/20 02:04	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/19/20 02:04	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/19/20 02:04	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/19/20 02:04	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/19/20 02:04	1
2-Hexanone	ND		5.0	1.2	ug/L			10/19/20 02:04	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/19/20 02:04	1
Acetone	ND		10	3.0	ug/L			10/19/20 02:04	1
Benzene	ND		1.0	0.41	ug/L			10/19/20 02:04	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/19/20 02:04	1
Bromoform	ND		1.0	0.26	ug/L			10/19/20 02:04	1
Bromomethane	ND		1.0	0.69	ug/L			10/19/20 02:04	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/19/20 02:04	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/19/20 02:04	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/19/20 02:04	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/19/20 02:04	1
Chloroethane	ND		1.0	0.32	ug/L			10/19/20 02:04	1
Chloroform	ND		1.0	0.34	ug/L			10/19/20 02:04	1
Chloromethane	ND		1.0	0.35	ug/L			10/19/20 02:04	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/19/20 02:04	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/19/20 02:04	1
Cyclohexane	ND		1.0	0.18	ug/L			10/19/20 02:04	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/19/20 02:04	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/19/20 02:04	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/19/20 02:04	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/19/20 02:04	1
Methyl acetate	ND		2.5	1.3	ug/L			10/19/20 02:04	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/19/20 02:04	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/19/20 02:04	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/19/20 02:04	1
Styrene	ND		1.0	0.73	ug/L			10/19/20 02:04	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/19/20 02:04	1
Toluene	ND		1.0	0.51	ug/L			10/19/20 02:04	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/19/20 02:04	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/19/20 02:04	1
Trichloroethene	ND		1.0	0.46	ug/L			10/19/20 02:04	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/19/20 02:04	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/19/20 02:04	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/19/20 02:04	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-141

Lab Sample ID: 480-176533-24

Date Collected: 10/13/20 15:40

Matrix: Water

Date Received: 10/15/20 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		80 - 120		10/19/20 02:04	1
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		10/19/20 02:04	1
4-Bromofluorobenzene (Surr)	96		73 - 120		10/19/20 02:04	1
Dibromofluoromethane (Surr)	104		75 - 123		10/19/20 02:04	1

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.28		0.19	0.095	ug/L		10/18/20 08:56	10/23/20 20:17	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	29		15 - 110				10/18/20 08:56	10/23/20 20:17	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.0	0.91	ng/L		10/22/20 15:00	10/22/20 20:08	1
Perfluoropentanoic acid (PFPeA)	ND		1.6	0.87	ng/L		10/22/20 15:00	10/22/20 20:08	1
Perfluorohexanoic acid (PFHxA)	ND		1.6	0.67	ng/L		10/22/20 15:00	10/22/20 20:08	1
Perfluoroheptanoic acid (PFHpA)	ND		1.6	0.37	ng/L		10/22/20 15:00	10/22/20 20:08	1
Perfluorooctanoic acid (PFOA)	ND		1.6	0.79	ng/L		10/22/20 15:00	10/22/20 20:08	1
Perfluorononanoic acid (PFNA)	ND		1.6	0.47	ng/L		10/22/20 15:00	10/22/20 20:08	1
Perfluorodecanoic acid (PFDA)	ND		1.6	0.37	ng/L		10/22/20 15:00	10/22/20 20:08	1
Perfluoroundecanoic acid (PFUnA)	ND		1.6	0.59	ng/L		10/22/20 15:00	10/22/20 20:08	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.37	ng/L		10/22/20 15:00	10/22/20 20:08	1
Perfluorotridecanoic acid (PFTriA)	ND		1.6	0.34	ng/L		10/22/20 15:00	10/22/20 20:08	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.6	0.47	ng/L		10/22/20 15:00	10/22/20 20:08	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.6	0.51	ng/L		10/22/20 15:00	10/22/20 20:08	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.6	0.54	ng/L		10/22/20 15:00	10/22/20 20:08	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.6	0.31	ng/L		10/22/20 15:00	10/22/20 20:08	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.6	0.70	ng/L		10/22/20 15:00	10/22/20 20:08	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.38	ng/L		10/22/20 15:00	10/22/20 20:08	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.6	0.46	ng/L		10/22/20 15:00	10/22/20 20:08	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.0	0.63	ng/L		10/22/20 15:00	10/22/20 20:08	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.0	0.75	ng/L		10/22/20 15:00	10/22/20 20:08	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		4.0	0.58	ng/L		10/22/20 15:00	10/22/20 20:08	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.6	0.53	ng/L		10/22/20 15:00	10/22/20 20:08	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	112		50 - 150				10/22/20 15:00	10/22/20 20:08	1
13C4 PFHpA	116		50 - 150				10/22/20 15:00	10/22/20 20:08	1
13C4 PFOA	104		50 - 150				10/22/20 15:00	10/22/20 20:08	1
13C4 PFOS	111		50 - 150				10/22/20 15:00	10/22/20 20:08	1
13C5 PFNA	107		50 - 150				10/22/20 15:00	10/22/20 20:08	1
13C4 PFBA	121		25 - 150				10/22/20 15:00	10/22/20 20:08	1
13C2 PFHxA	118		50 - 150				10/22/20 15:00	10/22/20 20:08	1
13C2 PFDA	93		50 - 150				10/22/20 15:00	10/22/20 20:08	1
13C2 PFUnA	82		50 - 150				10/22/20 15:00	10/22/20 20:08	1
13C2 PFDoA	63		50 - 150				10/22/20 15:00	10/22/20 20:08	1
13C8 FOSA	99		25 - 150				10/22/20 15:00	10/22/20 20:08	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-14I

Lab Sample ID: 480-176533-24

Date Collected: 10/13/20 15:40

Matrix: Water

Date Received: 10/15/20 08:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C5 PFPeA	122		25 - 150	10/22/20 15:00	10/22/20 20:08	1
13C2 PFTeDA	57		50 - 150	10/22/20 15:00	10/22/20 20:08	1
d3-NMeFOSAA	73		50 - 150	10/22/20 15:00	10/22/20 20:08	1
d5-NEtFOSAA	67		50 - 150	10/22/20 15:00	10/22/20 20:08	1
M2-6:2 FTS	110		25 - 150	10/22/20 15:00	10/22/20 20:08	1
M2-8:2 FTS	102		25 - 150	10/22/20 15:00	10/22/20 20:08	1
13C3 PFBS	109		50 - 150	10/22/20 15:00	10/22/20 20:08	1

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-14D

Lab Sample ID: 480-176533-25

Date Collected: 10/14/20 10:15

Matrix: Water

Date Received: 10/15/20 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	9.2		1.0	0.82	ug/L			10/19/20 02:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/19/20 02:27	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/19/20 02:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/19/20 02:27	1
1,1-Dichloroethane	0.39	J	1.0	0.38	ug/L			10/19/20 02:27	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/19/20 02:27	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/19/20 02:27	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/19/20 02:27	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/19/20 02:27	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/19/20 02:27	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/19/20 02:27	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/19/20 02:27	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/19/20 02:27	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/19/20 02:27	1
2-Hexanone	ND		5.0	1.2	ug/L			10/19/20 02:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/19/20 02:27	1
Acetone	ND		10	3.0	ug/L			10/19/20 02:27	1
Benzene	ND		1.0	0.41	ug/L			10/19/20 02:27	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/19/20 02:27	1
Bromoform	ND		1.0	0.26	ug/L			10/19/20 02:27	1
Bromomethane	ND		1.0	0.69	ug/L			10/19/20 02:27	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/19/20 02:27	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/19/20 02:27	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/19/20 02:27	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/19/20 02:27	1
Chloroethane	ND		1.0	0.32	ug/L			10/19/20 02:27	1
Chloroform	ND		1.0	0.34	ug/L			10/19/20 02:27	1
Chloromethane	ND		1.0	0.35	ug/L			10/19/20 02:27	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/19/20 02:27	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/19/20 02:27	1
Cyclohexane	ND		1.0	0.18	ug/L			10/19/20 02:27	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/19/20 02:27	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/19/20 02:27	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/19/20 02:27	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/19/20 02:27	1
Methyl acetate	ND		2.5	1.3	ug/L			10/19/20 02:27	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/19/20 02:27	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/19/20 02:27	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/19/20 02:27	1
Styrene	ND		1.0	0.73	ug/L			10/19/20 02:27	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/19/20 02:27	1
Toluene	ND		1.0	0.51	ug/L			10/19/20 02:27	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/19/20 02:27	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/19/20 02:27	1
Trichloroethene	ND		1.0	0.46	ug/L			10/19/20 02:27	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/19/20 02:27	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/19/20 02:27	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/19/20 02:27	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-14D

Lab Sample ID: 480-176533-25

Date Collected: 10/14/20 10:15

Matrix: Water

Date Received: 10/15/20 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		80 - 120		10/19/20 02:27	1
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		10/19/20 02:27	1
4-Bromofluorobenzene (Surr)	100		73 - 120		10/19/20 02:27	1
Dibromofluoromethane (Surr)	103		75 - 123		10/19/20 02:27	1

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.19	0.095	ug/L		10/18/20 08:56	10/23/20 20:40	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	29		15 - 110				10/18/20 08:56	10/23/20 20:40	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.1	0.92	ng/L		10/22/20 15:00	10/22/20 20:16	1
Perfluoropentanoic acid (PFPeA)	ND		1.6	0.88	ng/L		10/22/20 15:00	10/22/20 20:16	1
Perfluorohexanoic acid (PFHxA)	ND		1.6	0.68	ng/L		10/22/20 15:00	10/22/20 20:16	1
Perfluoroheptanoic acid (PFHpA)	ND		1.6	0.38	ng/L		10/22/20 15:00	10/22/20 20:16	1
Perfluorooctanoic acid (PFOA)	ND		1.6	0.80	ng/L		10/22/20 15:00	10/22/20 20:16	1
Perfluorononanoic acid (PFNA)	ND		1.6	0.47	ng/L		10/22/20 15:00	10/22/20 20:16	1
Perfluorodecanoic acid (PFDA)	ND		1.6	0.38	ng/L		10/22/20 15:00	10/22/20 20:16	1
Perfluoroundecanoic acid (PFUnA)	ND		1.6	0.60	ng/L		10/22/20 15:00	10/22/20 20:16	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.38	ng/L		10/22/20 15:00	10/22/20 20:16	1
Perfluorotridecanoic acid (PFTriA)	ND		1.6	0.35	ng/L		10/22/20 15:00	10/22/20 20:16	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.6	0.48	ng/L		10/22/20 15:00	10/22/20 20:16	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.6	0.51	ng/L		10/22/20 15:00	10/22/20 20:16	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.6	0.55	ng/L		10/22/20 15:00	10/22/20 20:16	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.6	0.32	ng/L		10/22/20 15:00	10/22/20 20:16	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.6	0.71	ng/L		10/22/20 15:00	10/22/20 20:16	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.39	ng/L		10/22/20 15:00	10/22/20 20:16	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.6	0.47	ng/L		10/22/20 15:00	10/22/20 20:16	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.1	0.65	ng/L		10/22/20 15:00	10/22/20 20:16	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.1	0.76	ng/L		10/22/20 15:00	10/22/20 20:16	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		4.1	0.59	ng/L		10/22/20 15:00	10/22/20 20:16	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.6	0.54	ng/L		10/22/20 15:00	10/22/20 20:16	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	110		50 - 150				10/22/20 15:00	10/22/20 20:16	1
13C4 PFHpA	112		50 - 150				10/22/20 15:00	10/22/20 20:16	1
13C4 PFOA	103		50 - 150				10/22/20 15:00	10/22/20 20:16	1
13C4 PFOS	104		50 - 150				10/22/20 15:00	10/22/20 20:16	1
13C5 PFNA	100		50 - 150				10/22/20 15:00	10/22/20 20:16	1
13C4 PFBA	118		25 - 150				10/22/20 15:00	10/22/20 20:16	1
13C2 PFHxA	119		50 - 150				10/22/20 15:00	10/22/20 20:16	1
13C2 PFDA	88		50 - 150				10/22/20 15:00	10/22/20 20:16	1
13C2 PFUnA	77		50 - 150				10/22/20 15:00	10/22/20 20:16	1
13C2 PFDoA	53		50 - 150				10/22/20 15:00	10/22/20 20:16	1
13C8 FOSA	88		25 - 150				10/22/20 15:00	10/22/20 20:16	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-14D

Lab Sample ID: 480-176533-25

Date Collected: 10/14/20 10:15

Matrix: Water

Date Received: 10/15/20 08:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C5 PFPeA	118		25 - 150	10/22/20 15:00	10/22/20 20:16	1
13C2 PFTeDA	55		50 - 150	10/22/20 15:00	10/22/20 20:16	1
d3-NMeFOSAA	69		50 - 150	10/22/20 15:00	10/22/20 20:16	1
d5-NEtFOSAA	67		50 - 150	10/22/20 15:00	10/22/20 20:16	1
M2-6:2 FTS	114		25 - 150	10/22/20 15:00	10/22/20 20:16	1
M2-8:2 FTS	98		25 - 150	10/22/20 15:00	10/22/20 20:16	1
13C3 PFBS	110		50 - 150	10/22/20 15:00	10/22/20 20:16	1

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-15

Lab Sample ID: 480-176533-26

Date Collected: 10/13/20 11:05

Matrix: Water

Date Received: 10/15/20 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	9.2		1.0	0.82	ug/L			10/19/20 02:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/19/20 02:50	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/19/20 02:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/19/20 02:50	1
1,1-Dichloroethane	0.77 J		1.0	0.38	ug/L			10/19/20 02:50	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/19/20 02:50	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/19/20 02:50	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/19/20 02:50	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/19/20 02:50	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/19/20 02:50	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/19/20 02:50	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/19/20 02:50	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/19/20 02:50	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/19/20 02:50	1
2-Hexanone	ND		5.0	1.2	ug/L			10/19/20 02:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/19/20 02:50	1
Acetone	ND		10	3.0	ug/L			10/19/20 02:50	1
Benzene	ND		1.0	0.41	ug/L			10/19/20 02:50	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/19/20 02:50	1
Bromoform	ND		1.0	0.26	ug/L			10/19/20 02:50	1
Bromomethane	ND		1.0	0.69	ug/L			10/19/20 02:50	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/19/20 02:50	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/19/20 02:50	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/19/20 02:50	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/19/20 02:50	1
Chloroethane	ND		1.0	0.32	ug/L			10/19/20 02:50	1
Chloroform	ND		1.0	0.34	ug/L			10/19/20 02:50	1
Chloromethane	ND		1.0	0.35	ug/L			10/19/20 02:50	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/19/20 02:50	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/19/20 02:50	1
Cyclohexane	ND		1.0	0.18	ug/L			10/19/20 02:50	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/19/20 02:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/19/20 02:50	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/19/20 02:50	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/19/20 02:50	1
Methyl acetate	ND		2.5	1.3	ug/L			10/19/20 02:50	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/19/20 02:50	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/19/20 02:50	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/19/20 02:50	1
Styrene	ND		1.0	0.73	ug/L			10/19/20 02:50	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/19/20 02:50	1
Toluene	ND		1.0	0.51	ug/L			10/19/20 02:50	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/19/20 02:50	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/19/20 02:50	1
Trichloroethene	ND		1.0	0.46	ug/L			10/19/20 02:50	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/19/20 02:50	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/19/20 02:50	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/19/20 02:50	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-15

Lab Sample ID: 480-176533-26

Date Collected: 10/13/20 11:05

Matrix: Water

Date Received: 10/15/20 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		80 - 120		10/19/20 02:50	1
1,2-Dichloroethane-d4 (Surr)	106		77 - 120		10/19/20 02:50	1
4-Bromofluorobenzene (Surr)	98		73 - 120		10/19/20 02:50	1
Dibromofluoromethane (Surr)	102		75 - 123		10/19/20 02:50	1

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.6	E	0.19	0.095	ug/L		10/18/20 08:56	10/23/20 21:04	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	28		15 - 110				10/18/20 08:56	10/23/20 21:04	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.6	1.0	ng/L		10/22/20 15:00	10/22/20 20:25	1
Perfluoropentanoic acid (PFPeA)	1.3	J	1.8	0.99	ng/L		10/22/20 15:00	10/22/20 20:25	1
Perfluorohexanoic acid (PFHxA)	1.5	J	1.8	0.76	ng/L		10/22/20 15:00	10/22/20 20:25	1
Perfluoroheptanoic acid (PFHpA)	0.50	J	1.8	0.42	ng/L		10/22/20 15:00	10/22/20 20:25	1
Perfluorooctanoic acid (PFOA)	ND		1.8	0.90	ng/L		10/22/20 15:00	10/22/20 20:25	1
Perfluorononanoic acid (PFNA)	ND		1.8	0.53	ng/L		10/22/20 15:00	10/22/20 20:25	1
Perfluorodecanoic acid (PFDA)	ND		1.8	0.42	ng/L		10/22/20 15:00	10/22/20 20:25	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.67	ng/L		10/22/20 15:00	10/22/20 20:25	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.42	ng/L		10/22/20 15:00	10/22/20 20:25	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8	0.40	ng/L		10/22/20 15:00	10/22/20 20:25	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8	0.54	ng/L		10/22/20 15:00	10/22/20 20:25	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8	0.58	ng/L		10/22/20 15:00	10/22/20 20:25	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.62	ng/L		10/22/20 15:00	10/22/20 20:25	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8	0.36	ng/L		10/22/20 15:00	10/22/20 20:25	1
Perfluorooctanesulfonic acid (PFOS)	1.8		1.8	0.80	ng/L		10/22/20 15:00	10/22/20 20:25	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.44	ng/L		10/22/20 15:00	10/22/20 20:25	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.52	ng/L		10/22/20 15:00	10/22/20 20:25	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.6	0.73	ng/L		10/22/20 15:00	10/22/20 20:25	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.6	0.86	ng/L		10/22/20 15:00	10/22/20 20:25	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		4.6	0.66	ng/L		10/22/20 15:00	10/22/20 20:25	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.8	0.61	ng/L		10/22/20 15:00	10/22/20 20:25	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	110		50 - 150				10/22/20 15:00	10/22/20 20:25	1
13C4 PFHpA	115		50 - 150				10/22/20 15:00	10/22/20 20:25	1
13C4 PFOA	110		50 - 150				10/22/20 15:00	10/22/20 20:25	1
13C4 PFOS	109		50 - 150				10/22/20 15:00	10/22/20 20:25	1
13C5 PFNA	102		50 - 150				10/22/20 15:00	10/22/20 20:25	1
13C4 PFBA	120		25 - 150				10/22/20 15:00	10/22/20 20:25	1
13C2 PFHxA	123		50 - 150				10/22/20 15:00	10/22/20 20:25	1
13C2 PFDA	90		50 - 150				10/22/20 15:00	10/22/20 20:25	1
13C2 PFUnA	79		50 - 150				10/22/20 15:00	10/22/20 20:25	1
13C2 PFDoA	68		50 - 150				10/22/20 15:00	10/22/20 20:25	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-15

Lab Sample ID: 480-176533-26

Date Collected: 10/13/20 11:05

Matrix: Water

Date Received: 10/15/20 08:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C8 FOSA	91		25 - 150	10/22/20 15:00	10/22/20 20:25	1
13C5 PFPeA	128		25 - 150	10/22/20 15:00	10/22/20 20:25	1
13C2 PFTeDA	68		50 - 150	10/22/20 15:00	10/22/20 20:25	1
d3-NMeFOSAA	73		50 - 150	10/22/20 15:00	10/22/20 20:25	1
d5-NEtFOSAA	76		50 - 150	10/22/20 15:00	10/22/20 20:25	1
M2-6:2 FTS	117		25 - 150	10/22/20 15:00	10/22/20 20:25	1
M2-8:2 FTS	98		25 - 150	10/22/20 15:00	10/22/20 20:25	1
13C3 PFBS	110		50 - 150	10/22/20 15:00	10/22/20 20:25	1

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-X-DUP

Lab Sample ID: 480-176533-27

Date Collected: 10/13/20 00:00

Matrix: Water

Date Received: 10/15/20 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	9.7		1.0	0.82	ug/L			10/19/20 03:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/19/20 03:13	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/19/20 03:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/19/20 03:13	1
1,1-Dichloroethane	0.78 J		1.0	0.38	ug/L			10/19/20 03:13	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/19/20 03:13	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/19/20 03:13	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/19/20 03:13	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/19/20 03:13	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/19/20 03:13	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/19/20 03:13	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/19/20 03:13	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/19/20 03:13	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/19/20 03:13	1
2-Hexanone	ND		5.0	1.2	ug/L			10/19/20 03:13	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/19/20 03:13	1
Acetone	ND		10	3.0	ug/L			10/19/20 03:13	1
Benzene	ND		1.0	0.41	ug/L			10/19/20 03:13	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/19/20 03:13	1
Bromoform	ND		1.0	0.26	ug/L			10/19/20 03:13	1
Bromomethane	ND		1.0	0.69	ug/L			10/19/20 03:13	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/19/20 03:13	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/19/20 03:13	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/19/20 03:13	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/19/20 03:13	1
Chloroethane	ND		1.0	0.32	ug/L			10/19/20 03:13	1
Chloroform	ND		1.0	0.34	ug/L			10/19/20 03:13	1
Chloromethane	ND		1.0	0.35	ug/L			10/19/20 03:13	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/19/20 03:13	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/19/20 03:13	1
Cyclohexane	ND		1.0	0.18	ug/L			10/19/20 03:13	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/19/20 03:13	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/19/20 03:13	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/19/20 03:13	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/19/20 03:13	1
Methyl acetate	ND		2.5	1.3	ug/L			10/19/20 03:13	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/19/20 03:13	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/19/20 03:13	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/19/20 03:13	1
Styrene	ND		1.0	0.73	ug/L			10/19/20 03:13	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/19/20 03:13	1
Toluene	ND		1.0	0.51	ug/L			10/19/20 03:13	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/19/20 03:13	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/19/20 03:13	1
Trichloroethene	ND		1.0	0.46	ug/L			10/19/20 03:13	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/19/20 03:13	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/19/20 03:13	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/19/20 03:13	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-X-DUP

Lab Sample ID: 480-176533-27

Date Collected: 10/13/20 00:00

Matrix: Water

Date Received: 10/15/20 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120		10/19/20 03:13	1
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		10/19/20 03:13	1
4-Bromofluorobenzene (Surr)	96		73 - 120		10/19/20 03:13	1
Dibromofluoromethane (Surr)	104		75 - 123		10/19/20 03:13	1

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.6	E	0.19	0.095	ug/L		10/18/20 08:56	10/23/20 21:27	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	28		15 - 110				10/18/20 08:56	10/23/20 21:27	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.5	1.0	ng/L		10/22/20 15:00	10/22/20 20:33	1
Perfluoropentanoic acid (PFPeA)	1.3	J	1.8	0.97	ng/L		10/22/20 15:00	10/22/20 20:33	1
Perfluorohexanoic acid (PFHxA)	1.5	J	1.8	0.74	ng/L		10/22/20 15:00	10/22/20 20:33	1
Perfluoroheptanoic acid (PFHpA)	0.46	J	1.8	0.41	ng/L		10/22/20 15:00	10/22/20 20:33	1
Perfluorooctanoic acid (PFOA)	ND		1.8	0.88	ng/L		10/22/20 15:00	10/22/20 20:33	1
Perfluorononanoic acid (PFNA)	ND		1.8	0.52	ng/L		10/22/20 15:00	10/22/20 20:33	1
Perfluorodecanoic acid (PFDA)	ND		1.8	0.41	ng/L		10/22/20 15:00	10/22/20 20:33	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8	0.65	ng/L		10/22/20 15:00	10/22/20 20:33	1
Perfluorododecanoic acid (PFDoA)	ND		1.8	0.41	ng/L		10/22/20 15:00	10/22/20 20:33	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8	0.38	ng/L		10/22/20 15:00	10/22/20 20:33	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8	0.53	ng/L		10/22/20 15:00	10/22/20 20:33	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8	0.56	ng/L		10/22/20 15:00	10/22/20 20:33	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8	0.60	ng/L		10/22/20 15:00	10/22/20 20:33	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8	0.35	ng/L		10/22/20 15:00	10/22/20 20:33	1
Perfluorooctanesulfonic acid (PFOS)	1.7	J	1.8	0.78	ng/L		10/22/20 15:00	10/22/20 20:33	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8	0.43	ng/L		10/22/20 15:00	10/22/20 20:33	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.8	0.51	ng/L		10/22/20 15:00	10/22/20 20:33	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.5	0.71	ng/L		10/22/20 15:00	10/22/20 20:33	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.5	0.83	ng/L		10/22/20 15:00	10/22/20 20:33	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		4.5	0.64	ng/L		10/22/20 15:00	10/22/20 20:33	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.8	0.59	ng/L		10/22/20 15:00	10/22/20 20:33	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	108		50 - 150				10/22/20 15:00	10/22/20 20:33	1
13C4 PFHpA	113		50 - 150				10/22/20 15:00	10/22/20 20:33	1
13C4 PFOA	106		50 - 150				10/22/20 15:00	10/22/20 20:33	1
13C4 PFOS	94		50 - 150				10/22/20 15:00	10/22/20 20:33	1
13C5 PFNA	98		50 - 150				10/22/20 15:00	10/22/20 20:33	1
13C4 PFBA	116		25 - 150				10/22/20 15:00	10/22/20 20:33	1
13C2 PFHxA	115		50 - 150				10/22/20 15:00	10/22/20 20:33	1
13C2 PFDA	83		50 - 150				10/22/20 15:00	10/22/20 20:33	1
13C2 PFUnA	79		50 - 150				10/22/20 15:00	10/22/20 20:33	1
13C2 PFDoA	61		50 - 150				10/22/20 15:00	10/22/20 20:33	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: TW-X-DUP

Lab Sample ID: 480-176533-27

Date Collected: 10/13/20 00:00

Matrix: Water

Date Received: 10/15/20 08:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C8 FOSA	86		25 - 150	10/22/20 15:00	10/22/20 20:33	1
13C5 PFPeA	122		25 - 150	10/22/20 15:00	10/22/20 20:33	1
13C2 PFTeDA	61		50 - 150	10/22/20 15:00	10/22/20 20:33	1
d3-NMeFOSAA	68		50 - 150	10/22/20 15:00	10/22/20 20:33	1
d5-NEtFOSAA	65		50 - 150	10/22/20 15:00	10/22/20 20:33	1
M2-6:2 FTS	124		25 - 150	10/22/20 15:00	10/22/20 20:33	1
M2-8:2 FTS	96		25 - 150	10/22/20 15:00	10/22/20 20:33	1
13C3 PFBS	103		50 - 150	10/22/20 15:00	10/22/20 20:33	1

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: RW-1

Lab Sample ID: 480-176533-28

Date Collected: 10/13/20 17:45

Matrix: Water

Date Received: 10/15/20 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	31		1.0	0.82	ug/L			10/19/20 03:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/19/20 03:35	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/19/20 03:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/19/20 03:35	1
1,1-Dichloroethane	1.3		1.0	0.38	ug/L			10/19/20 03:35	1
1,1-Dichloroethene	0.88 J		1.0	0.29	ug/L			10/19/20 03:35	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/19/20 03:35	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/19/20 03:35	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/19/20 03:35	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/19/20 03:35	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/19/20 03:35	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/19/20 03:35	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/19/20 03:35	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/19/20 03:35	1
2-Hexanone	ND		5.0	1.2	ug/L			10/19/20 03:35	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/19/20 03:35	1
Acetone	ND		10	3.0	ug/L			10/19/20 03:35	1
Benzene	ND		1.0	0.41	ug/L			10/19/20 03:35	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/19/20 03:35	1
Bromoform	ND		1.0	0.26	ug/L			10/19/20 03:35	1
Bromomethane	ND		1.0	0.69	ug/L			10/19/20 03:35	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/19/20 03:35	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/19/20 03:35	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/19/20 03:35	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/19/20 03:35	1
Chloroethane	ND		1.0	0.32	ug/L			10/19/20 03:35	1
Chloroform	ND		1.0	0.34	ug/L			10/19/20 03:35	1
Chloromethane	ND		1.0	0.35	ug/L			10/19/20 03:35	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/19/20 03:35	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/19/20 03:35	1
Cyclohexane	ND		1.0	0.18	ug/L			10/19/20 03:35	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/19/20 03:35	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/19/20 03:35	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/19/20 03:35	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/19/20 03:35	1
Methyl acetate	ND		2.5	1.3	ug/L			10/19/20 03:35	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/19/20 03:35	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/19/20 03:35	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/19/20 03:35	1
Styrene	ND		1.0	0.73	ug/L			10/19/20 03:35	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/19/20 03:35	1
Toluene	ND		1.0	0.51	ug/L			10/19/20 03:35	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/19/20 03:35	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/19/20 03:35	1
Trichloroethene	ND		1.0	0.46	ug/L			10/19/20 03:35	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/19/20 03:35	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/19/20 03:35	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/19/20 03:35	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: RW-1

Lab Sample ID: 480-176533-28

Date Collected: 10/13/20 17:45

Matrix: Water

Date Received: 10/15/20 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120		10/19/20 03:35	1
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		10/19/20 03:35	1
4-Bromofluorobenzene (Surr)	97		73 - 120		10/19/20 03:35	1
Dibromofluoromethane (Surr)	103		75 - 123		10/19/20 03:35	1

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.18	J	0.19	0.095	ug/L		10/18/20 08:56	10/23/20 18:43	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	31		15 - 110				10/18/20 08:56	10/23/20 18:43	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.1	0.92	ng/L		10/22/20 15:00	10/22/20 20:41	1
Perfluoropentanoic acid (PFPeA)	ND		1.6	0.88	ng/L		10/22/20 15:00	10/22/20 20:41	1
Perfluorohexanoic acid (PFHxA)	ND		1.6	0.67	ng/L		10/22/20 15:00	10/22/20 20:41	1
Perfluoroheptanoic acid (PFHpA)	ND		1.6	0.37	ng/L		10/22/20 15:00	10/22/20 20:41	1
Perfluorooctanoic acid (PFOA)	0.95	J	1.6	0.79	ng/L		10/22/20 15:00	10/22/20 20:41	1
Perfluorononanoic acid (PFNA)	ND		1.6	0.47	ng/L		10/22/20 15:00	10/22/20 20:41	1
Perfluorodecanoic acid (PFDA)	ND		1.6	0.37	ng/L		10/22/20 15:00	10/22/20 20:41	1
Perfluoroundecanoic acid (PFUnA)	ND		1.6	0.59	ng/L		10/22/20 15:00	10/22/20 20:41	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.37	ng/L		10/22/20 15:00	10/22/20 20:41	1
Perfluorotridecanoic acid (PFTriA)	ND		1.6	0.35	ng/L		10/22/20 15:00	10/22/20 20:41	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.6	0.48	ng/L		10/22/20 15:00	10/22/20 20:41	1
Perfluorobutanesulfonic acid (PFBS)	1.6		1.6	0.51	ng/L		10/22/20 15:00	10/22/20 20:41	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.6	0.54	ng/L		10/22/20 15:00	10/22/20 20:41	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.6	0.32	ng/L		10/22/20 15:00	10/22/20 20:41	1
Perfluorooctanesulfonic acid (PFOS)	1.6		1.6	0.71	ng/L		10/22/20 15:00	10/22/20 20:41	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.39	ng/L		10/22/20 15:00	10/22/20 20:41	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.6	0.46	ng/L		10/22/20 15:00	10/22/20 20:41	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.1	0.64	ng/L		10/22/20 15:00	10/22/20 20:41	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.1	0.75	ng/L		10/22/20 15:00	10/22/20 20:41	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		4.1	0.58	ng/L		10/22/20 15:00	10/22/20 20:41	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.6	0.54	ng/L		10/22/20 15:00	10/22/20 20:41	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	108		50 - 150				10/22/20 15:00	10/22/20 20:41	1
13C4 PFHpA	111		50 - 150				10/22/20 15:00	10/22/20 20:41	1
13C4 PFOA	103		50 - 150				10/22/20 15:00	10/22/20 20:41	1
13C4 PFOS	103		50 - 150				10/22/20 15:00	10/22/20 20:41	1
13C5 PFNA	102		50 - 150				10/22/20 15:00	10/22/20 20:41	1
13C4 PFBA	117		25 - 150				10/22/20 15:00	10/22/20 20:41	1
13C2 PFHxA	114		50 - 150				10/22/20 15:00	10/22/20 20:41	1
13C2 PFDA	87		50 - 150				10/22/20 15:00	10/22/20 20:41	1
13C2 PFUnA	66		50 - 150				10/22/20 15:00	10/22/20 20:41	1
13C2 PFDoA	50		50 - 150				10/22/20 15:00	10/22/20 20:41	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: RW-1

Lab Sample ID: 480-176533-28

Date Collected: 10/13/20 17:45

Matrix: Water

Date Received: 10/15/20 08:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C8 FOSA	94		25 - 150	10/22/20 15:00	10/22/20 20:41	1
13C5 PFPeA	115		25 - 150	10/22/20 15:00	10/22/20 20:41	1
13C2 PFTeDA	56		50 - 150	10/22/20 15:00	10/22/20 20:41	1
d3-NMeFOSAA	69		50 - 150	10/22/20 15:00	10/22/20 20:41	1
d5-NEtFOSAA	65		50 - 150	10/22/20 15:00	10/22/20 20:41	1
M2-6:2 FTS	110		25 - 150	10/22/20 15:00	10/22/20 20:41	1
M2-8:2 FTS	93		25 - 150	10/22/20 15:00	10/22/20 20:41	1
13C3 PFBS	106		50 - 150	10/22/20 15:00	10/22/20 20:41	1

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: RW-2

Lab Sample ID: 480-176533-29

Date Collected: 10/13/20 18:00

Matrix: Water

Date Received: 10/15/20 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			10/19/20 03:59	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/19/20 03:59	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/19/20 03:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/19/20 03:59	1
1,1-Dichloroethane	0.66	J	1.0	0.38	ug/L			10/19/20 03:59	1
1,1-Dichloroethene	0.85	J	1.0	0.29	ug/L			10/19/20 03:59	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/19/20 03:59	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/19/20 03:59	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/19/20 03:59	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/19/20 03:59	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/19/20 03:59	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/19/20 03:59	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/19/20 03:59	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/19/20 03:59	1
2-Hexanone	ND		5.0	1.2	ug/L			10/19/20 03:59	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/19/20 03:59	1
Acetone	ND		10	3.0	ug/L			10/19/20 03:59	1
Benzene	ND		1.0	0.41	ug/L			10/19/20 03:59	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/19/20 03:59	1
Bromoform	ND		1.0	0.26	ug/L			10/19/20 03:59	1
Bromomethane	ND		1.0	0.69	ug/L			10/19/20 03:59	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/19/20 03:59	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/19/20 03:59	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/19/20 03:59	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/19/20 03:59	1
Chloroethane	ND		1.0	0.32	ug/L			10/19/20 03:59	1
Chloroform	ND		1.0	0.34	ug/L			10/19/20 03:59	1
Chloromethane	ND		1.0	0.35	ug/L			10/19/20 03:59	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/19/20 03:59	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/19/20 03:59	1
Cyclohexane	ND		1.0	0.18	ug/L			10/19/20 03:59	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/19/20 03:59	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/19/20 03:59	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/19/20 03:59	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/19/20 03:59	1
Methyl acetate	ND		2.5	1.3	ug/L			10/19/20 03:59	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/19/20 03:59	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/19/20 03:59	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/19/20 03:59	1
Styrene	ND		1.0	0.73	ug/L			10/19/20 03:59	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/19/20 03:59	1
Toluene	ND		1.0	0.51	ug/L			10/19/20 03:59	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/19/20 03:59	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/19/20 03:59	1
Trichloroethene	ND		1.0	0.46	ug/L			10/19/20 03:59	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/19/20 03:59	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/19/20 03:59	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/19/20 03:59	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: RW-2

Lab Sample ID: 480-176533-29

Date Collected: 10/13/20 18:00

Matrix: Water

Date Received: 10/15/20 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120		10/19/20 03:59	1
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		10/19/20 03:59	1
4-Bromofluorobenzene (Surr)	97		73 - 120		10/19/20 03:59	1
Dibromofluoromethane (Surr)	103		75 - 123		10/19/20 03:59	1

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.19	0.095	ug/L		10/18/20 08:56	10/23/20 21:51	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	28		15 - 110				10/18/20 08:56	10/23/20 21:51	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.2	0.95	ng/L		10/22/20 15:00	10/22/20 21:06	1
Perfluoropentanoic acid (PFPeA)	ND		1.7	0.91	ng/L		10/22/20 15:00	10/22/20 21:06	1
Perfluorohexanoic acid (PFHxA)	ND		1.7	0.70	ng/L		10/22/20 15:00	10/22/20 21:06	1
Perfluoroheptanoic acid (PFHpA)	ND		1.7	0.39	ng/L		10/22/20 15:00	10/22/20 21:06	1
Perfluorooctanoic acid (PFOA)	ND		1.7	0.82	ng/L		10/22/20 15:00	10/22/20 21:06	1
Perfluorononanoic acid (PFNA)	ND		1.7	0.49	ng/L		10/22/20 15:00	10/22/20 21:06	1
Perfluorodecanoic acid (PFDA)	ND		1.7	0.39	ng/L		10/22/20 15:00	10/22/20 21:06	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7	0.61	ng/L		10/22/20 15:00	10/22/20 21:06	1
Perfluorododecanoic acid (PFDoA)	ND		1.7	0.39	ng/L		10/22/20 15:00	10/22/20 21:06	1
Perfluorotridecanoic acid (PFTriA)	ND		1.7	0.36	ng/L		10/22/20 15:00	10/22/20 21:06	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.7	0.50	ng/L		10/22/20 15:00	10/22/20 21:06	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.7	0.53	ng/L		10/22/20 15:00	10/22/20 21:06	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.7	0.56	ng/L		10/22/20 15:00	10/22/20 21:06	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.7	0.33	ng/L		10/22/20 15:00	10/22/20 21:06	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.7	0.73	ng/L		10/22/20 15:00	10/22/20 21:06	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7	0.40	ng/L		10/22/20 15:00	10/22/20 21:06	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.7	0.48	ng/L		10/22/20 15:00	10/22/20 21:06	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.2	0.66	ng/L		10/22/20 15:00	10/22/20 21:06	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.2	0.78	ng/L		10/22/20 15:00	10/22/20 21:06	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		4.2	0.60	ng/L		10/22/20 15:00	10/22/20 21:06	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.7	0.55	ng/L		10/22/20 15:00	10/22/20 21:06	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	108		50 - 150				10/22/20 15:00	10/22/20 21:06	1
13C4 PFHpA	113		50 - 150				10/22/20 15:00	10/22/20 21:06	1
13C4 PFOA	103		50 - 150				10/22/20 15:00	10/22/20 21:06	1
13C4 PFOS	109		50 - 150				10/22/20 15:00	10/22/20 21:06	1
13C5 PFNA	103		50 - 150				10/22/20 15:00	10/22/20 21:06	1
13C4 PFBA	120		25 - 150				10/22/20 15:00	10/22/20 21:06	1
13C2 PFHxA	113		50 - 150				10/22/20 15:00	10/22/20 21:06	1
13C2 PFDA	98		50 - 150				10/22/20 15:00	10/22/20 21:06	1
13C2 PFUnA	88		50 - 150				10/22/20 15:00	10/22/20 21:06	1
13C2 PFDoA	69		50 - 150				10/22/20 15:00	10/22/20 21:06	1
13C8 FOSA	92		25 - 150				10/22/20 15:00	10/22/20 21:06	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: RW-2

Lab Sample ID: 480-176533-29

Date Collected: 10/13/20 18:00

Matrix: Water

Date Received: 10/15/20 08:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C5 PFPeA	121		25 - 150	10/22/20 15:00	10/22/20 21:06	1
13C2 PFTeDA	75		50 - 150	10/22/20 15:00	10/22/20 21:06	1
d3-NMeFOSAA	79		50 - 150	10/22/20 15:00	10/22/20 21:06	1
d5-NEtFOSAA	81		50 - 150	10/22/20 15:00	10/22/20 21:06	1
M2-6:2 FTS	118		25 - 150	10/22/20 15:00	10/22/20 21:06	1
M2-8:2 FTS	105		25 - 150	10/22/20 15:00	10/22/20 21:06	1
13C3 PFBS	106		50 - 150	10/22/20 15:00	10/22/20 21:06	1

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: EFF-46HZ

Lab Sample ID: 480-176533-30

Date Collected: 10/13/20 18:15

Matrix: Water

Date Received: 10/15/20 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			10/19/20 04:22	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/19/20 04:22	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/19/20 04:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/19/20 04:22	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/19/20 04:22	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/19/20 04:22	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/19/20 04:22	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/19/20 04:22	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/19/20 04:22	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/19/20 04:22	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/19/20 04:22	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/19/20 04:22	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/19/20 04:22	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/19/20 04:22	1
2-Hexanone	ND		5.0	1.2	ug/L			10/19/20 04:22	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/19/20 04:22	1
Acetone	ND		10	3.0	ug/L			10/19/20 04:22	1
Benzene	ND		1.0	0.41	ug/L			10/19/20 04:22	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/19/20 04:22	1
Bromoform	ND		1.0	0.26	ug/L			10/19/20 04:22	1
Bromomethane	ND		1.0	0.69	ug/L			10/19/20 04:22	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/19/20 04:22	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/19/20 04:22	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/19/20 04:22	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/19/20 04:22	1
Chloroethane	ND		1.0	0.32	ug/L			10/19/20 04:22	1
Chloroform	ND		1.0	0.34	ug/L			10/19/20 04:22	1
Chloromethane	ND		1.0	0.35	ug/L			10/19/20 04:22	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/19/20 04:22	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/19/20 04:22	1
Cyclohexane	ND		1.0	0.18	ug/L			10/19/20 04:22	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/19/20 04:22	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/19/20 04:22	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/19/20 04:22	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/19/20 04:22	1
Methyl acetate	ND		2.5	1.3	ug/L			10/19/20 04:22	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/19/20 04:22	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/19/20 04:22	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/19/20 04:22	1
Styrene	ND		1.0	0.73	ug/L			10/19/20 04:22	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/19/20 04:22	1
Toluene	ND		1.0	0.51	ug/L			10/19/20 04:22	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/19/20 04:22	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/19/20 04:22	1
Trichloroethene	ND		1.0	0.46	ug/L			10/19/20 04:22	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/19/20 04:22	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/19/20 04:22	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/19/20 04:22	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: EFF-46HZ

Lab Sample ID: 480-176533-30

Date Collected: 10/13/20 18:15

Matrix: Water

Date Received: 10/15/20 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		80 - 120		10/19/20 04:22	1
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		10/19/20 04:22	1
4-Bromofluorobenzene (Surr)	95		73 - 120		10/19/20 04:22	1
Dibromofluoromethane (Surr)	102		75 - 123		10/19/20 04:22	1

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.11	J	0.19	0.095	ug/L		10/18/20 08:56	10/23/20 22:14	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	32		15 - 110				10/18/20 08:56	10/23/20 22:14	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.0	0.90	ng/L		10/22/20 15:00	10/22/20 21:23	1
Perfluoropentanoic acid (PFPeA)	ND		1.6	0.86	ng/L		10/22/20 15:00	10/22/20 21:23	1
Perfluorohexanoic acid (PFHxA)	ND		1.6	0.66	ng/L		10/22/20 15:00	10/22/20 21:23	1
Perfluoroheptanoic acid (PFHpA)	ND		1.6	0.37	ng/L		10/22/20 15:00	10/22/20 21:23	1
Perfluorooctanoic acid (PFOA)	ND		1.6	0.78	ng/L		10/22/20 15:00	10/22/20 21:23	1
Perfluorononanoic acid (PFNA)	ND		1.6	0.46	ng/L		10/22/20 15:00	10/22/20 21:23	1
Perfluorodecanoic acid (PFDA)	ND		1.6	0.37	ng/L		10/22/20 15:00	10/22/20 21:23	1
Perfluoroundecanoic acid (PFUnA)	ND		1.6	0.58	ng/L		10/22/20 15:00	10/22/20 21:23	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.37	ng/L		10/22/20 15:00	10/22/20 21:23	1
Perfluorotridecanoic acid (PFTriA)	ND		1.6	0.34	ng/L		10/22/20 15:00	10/22/20 21:23	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.6	0.47	ng/L		10/22/20 15:00	10/22/20 21:23	1
Perfluorobutanesulfonic acid (PFBS)	0.84	J	1.6	0.50	ng/L		10/22/20 15:00	10/22/20 21:23	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.6	0.53	ng/L		10/22/20 15:00	10/22/20 21:23	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.6	0.31	ng/L		10/22/20 15:00	10/22/20 21:23	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.6	0.69	ng/L		10/22/20 15:00	10/22/20 21:23	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.38	ng/L		10/22/20 15:00	10/22/20 21:23	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.6	0.45	ng/L		10/22/20 15:00	10/22/20 21:23	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.0	0.63	ng/L		10/22/20 15:00	10/22/20 21:23	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.0	0.74	ng/L		10/22/20 15:00	10/22/20 21:23	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		4.0	0.57	ng/L		10/22/20 15:00	10/22/20 21:23	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.6	0.53	ng/L		10/22/20 15:00	10/22/20 21:23	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	107		50 - 150				10/22/20 15:00	10/22/20 21:23	1
13C4 PFHpA	106		50 - 150				10/22/20 15:00	10/22/20 21:23	1
13C4 PFOA	100		50 - 150				10/22/20 15:00	10/22/20 21:23	1
13C4 PFOS	107		50 - 150				10/22/20 15:00	10/22/20 21:23	1
13C5 PFNA	98		50 - 150				10/22/20 15:00	10/22/20 21:23	1
13C4 PFBA	117		25 - 150				10/22/20 15:00	10/22/20 21:23	1
13C2 PFHxA	107		50 - 150				10/22/20 15:00	10/22/20 21:23	1
13C2 PFDA	91		50 - 150				10/22/20 15:00	10/22/20 21:23	1
13C2 PFUnA	87		50 - 150				10/22/20 15:00	10/22/20 21:23	1
13C2 PFDoA	67		50 - 150				10/22/20 15:00	10/22/20 21:23	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: EFF-46HZ

Lab Sample ID: 480-176533-30

Date Collected: 10/13/20 18:15

Matrix: Water

Date Received: 10/15/20 08:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C8 FOSA	88		25 - 150	10/22/20 15:00	10/22/20 21:23	1
13C5 PFPeA	114		25 - 150	10/22/20 15:00	10/22/20 21:23	1
13C2 PFTeDA	69		50 - 150	10/22/20 15:00	10/22/20 21:23	1
d3-NMeFOSAA	79		50 - 150	10/22/20 15:00	10/22/20 21:23	1
d5-NEtFOSAA	72		50 - 150	10/22/20 15:00	10/22/20 21:23	1
M2-6:2 FTS	105		25 - 150	10/22/20 15:00	10/22/20 21:23	1
M2-8:2 FTS	108		25 - 150	10/22/20 15:00	10/22/20 21:23	1
13C3 PFBS	102		50 - 150	10/22/20 15:00	10/22/20 21:23	1

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: FIELD BLANK

Lab Sample ID: 480-176533-31

Date Collected: 10/13/20 18:30

Matrix: Water

Date Received: 10/15/20 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			10/19/20 04:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/19/20 04:45	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/19/20 04:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/19/20 04:45	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/19/20 04:45	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/19/20 04:45	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/19/20 04:45	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/19/20 04:45	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/19/20 04:45	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/19/20 04:45	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/19/20 04:45	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/19/20 04:45	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/19/20 04:45	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/19/20 04:45	1
2-Hexanone	ND		5.0	1.2	ug/L			10/19/20 04:45	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/19/20 04:45	1
Acetone	ND		10	3.0	ug/L			10/19/20 04:45	1
Benzene	ND		1.0	0.41	ug/L			10/19/20 04:45	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/19/20 04:45	1
Bromoform	ND		1.0	0.26	ug/L			10/19/20 04:45	1
Bromomethane	ND		1.0	0.69	ug/L			10/19/20 04:45	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/19/20 04:45	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/19/20 04:45	1
Chlorobenzene	1.7		1.0	0.75	ug/L			10/19/20 04:45	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/19/20 04:45	1
Chloroethane	ND		1.0	0.32	ug/L			10/19/20 04:45	1
Chloroform	ND		1.0	0.34	ug/L			10/19/20 04:45	1
Chloromethane	ND		1.0	0.35	ug/L			10/19/20 04:45	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/19/20 04:45	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/19/20 04:45	1
Cyclohexane	ND		1.0	0.18	ug/L			10/19/20 04:45	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/19/20 04:45	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/19/20 04:45	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/19/20 04:45	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/19/20 04:45	1
Methyl acetate	ND		2.5	1.3	ug/L			10/19/20 04:45	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/19/20 04:45	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/19/20 04:45	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/19/20 04:45	1
Styrene	ND		1.0	0.73	ug/L			10/19/20 04:45	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/19/20 04:45	1
Toluene	ND		1.0	0.51	ug/L			10/19/20 04:45	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/19/20 04:45	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/19/20 04:45	1
Trichloroethene	ND		1.0	0.46	ug/L			10/19/20 04:45	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/19/20 04:45	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/19/20 04:45	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/19/20 04:45	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: FIELD BLANK

Lab Sample ID: 480-176533-31

Date Collected: 10/13/20 18:30

Matrix: Water

Date Received: 10/15/20 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120		10/19/20 04:45	1
1,2-Dichloroethane-d4 (Surr)	97		77 - 120		10/19/20 04:45	1
4-Bromofluorobenzene (Surr)	95		73 - 120		10/19/20 04:45	1
Dibromofluoromethane (Surr)	101		75 - 123		10/19/20 04:45	1

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.19	0.095	ug/L		10/18/20 08:56	10/23/20 22:37	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	30		15 - 110				10/18/20 08:56	10/23/20 22:37	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.1	0.92	ng/L		10/22/20 15:00	10/22/20 21:31	1
Perfluoropentanoic acid (PFPeA)	ND		1.6	0.88	ng/L		10/22/20 15:00	10/22/20 21:31	1
Perfluorohexanoic acid (PFHxA)	ND		1.6	0.68	ng/L		10/22/20 15:00	10/22/20 21:31	1
Perfluoroheptanoic acid (PFHpA)	ND		1.6	0.37	ng/L		10/22/20 15:00	10/22/20 21:31	1
Perfluorooctanoic acid (PFOA)	ND		1.6	0.80	ng/L		10/22/20 15:00	10/22/20 21:31	1
Perfluorononanoic acid (PFNA)	ND		1.6	0.47	ng/L		10/22/20 15:00	10/22/20 21:31	1
Perfluorodecanoic acid (PFDA)	ND		1.6	0.37	ng/L		10/22/20 15:00	10/22/20 21:31	1
Perfluoroundecanoic acid (PFUnA)	ND		1.6	0.60	ng/L		10/22/20 15:00	10/22/20 21:31	1
Perfluorododecanoic acid (PFDoA)	ND		1.6	0.37	ng/L		10/22/20 15:00	10/22/20 21:31	1
Perfluorotridecanoic acid (PFTriA)	ND		1.6	0.35	ng/L		10/22/20 15:00	10/22/20 21:31	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.6	0.48	ng/L		10/22/20 15:00	10/22/20 21:31	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.6	0.51	ng/L		10/22/20 15:00	10/22/20 21:31	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.6	0.55	ng/L		10/22/20 15:00	10/22/20 21:31	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.6	0.32	ng/L		10/22/20 15:00	10/22/20 21:31	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.6	0.71	ng/L		10/22/20 15:00	10/22/20 21:31	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.6	0.39	ng/L		10/22/20 15:00	10/22/20 21:31	1
Perfluorooctanesulfonamide (PFOSA)	ND		1.6	0.46	ng/L		10/22/20 15:00	10/22/20 21:31	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.1	0.64	ng/L		10/22/20 15:00	10/22/20 21:31	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.1	0.76	ng/L		10/22/20 15:00	10/22/20 21:31	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		4.1	0.59	ng/L		10/22/20 15:00	10/22/20 21:31	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		1.6	0.54	ng/L		10/22/20 15:00	10/22/20 21:31	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
18O2 PFHxS	102		50 - 150				10/22/20 15:00	10/22/20 21:31	1
13C4 PFHpA	106		50 - 150				10/22/20 15:00	10/22/20 21:31	1
13C4 PFOA	99		50 - 150				10/22/20 15:00	10/22/20 21:31	1
13C4 PFOS	108		50 - 150				10/22/20 15:00	10/22/20 21:31	1
13C5 PFNA	100		50 - 150				10/22/20 15:00	10/22/20 21:31	1
13C4 PFBA	119		25 - 150				10/22/20 15:00	10/22/20 21:31	1
13C2 PFHxA	110		50 - 150				10/22/20 15:00	10/22/20 21:31	1
13C2 PFDA	92		50 - 150				10/22/20 15:00	10/22/20 21:31	1
13C2 PFUnA	93		50 - 150				10/22/20 15:00	10/22/20 21:31	1
13C2 PFDoA	70		50 - 150				10/22/20 15:00	10/22/20 21:31	1
13C8 FOSA	70		25 - 150				10/22/20 15:00	10/22/20 21:31	1

Eurofins TestAmerica, Buffalo

Client Sample Results

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

Job ID: 480-176533-1

Client Sample ID: FIELD BLANK

Lab Sample ID: 480-176533-31

Date Collected: 10/13/20 18:30

Matrix: Water

Date Received: 10/15/20 08:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C5 PFPeA	115		25 - 150	10/22/20 15:00	10/22/20 21:31	1
13C2 PFTeDA	51		50 - 150	10/22/20 15:00	10/22/20 21:31	1
d3-NMeFOSAA	84		50 - 150	10/22/20 15:00	10/22/20 21:31	1
d5-NEtFOSAA	94		50 - 150	10/22/20 15:00	10/22/20 21:31	1
M2-6:2 FTS	106		25 - 150	10/22/20 15:00	10/22/20 21:31	1
M2-8:2 FTS	107		25 - 150	10/22/20 15:00	10/22/20 21:31	1
13C3 PFBS	102		50 - 150	10/22/20 15:00	10/22/20 21:31	1

Surrogate Summary

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

Job ID: 480-176533-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TOL (80-120)	DCA (77-120)	BFB (73-120)	DBFM (75-123)
480-176533-1	TW-1	99	103	93	96
480-176533-2	TW-2S	98	102	94	98
480-176533-3	TW-2I	100	102	98	98
480-176533-4	TW-2D	98	105	94	99
480-176533-5	TW-3S	97	105	93	102
480-176533-6	TW-3I	101	104	93	102
480-176533-7	TW-3D	98	105	90	99
480-176533-8	TW-4I	99	100	97	103
480-176533-9	TW-5S	100	103	94	100
480-176533-10	TW-5I	98	104	94	98
480-176533-11	TW-5D	97	103	92	99
480-176533-12	TW-6S	100	102	94	96
480-176533-13	TW-6I	96	103	93	96
480-176533-14	TW-6D	101	107	98	106
480-176533-15	TW-7S	103	101	99	100
480-176533-16	TW-7I	99	105	99	104
480-176533-17	TW-7D	104	104	102	101
480-176533-18	TW-9I	101	102	101	102
480-176533-19	TW-9D	98	105	101	107
480-176533-20	TW-10D	103	103	98	103
480-176533-21	TW-12I	98	102	98	104
480-176533-22	TW-12D	104	105	101	109
480-176533-23	TW-14S	101	104	100	103
480-176533-24	TW-14I	101	101	96	104
480-176533-25	TW-14D	101	101	100	103
480-176533-26	TW-15	104	106	98	102
480-176533-27	TW-X-DUP	99	102	96	104
480-176533-28	RW-1	100	104	97	103
480-176533-28 MS	RW-1	101	101	98	104
480-176533-28 MSD	RW-1	100	99	100	98
480-176533-29	RW-2	99	103	97	103
480-176533-30	EFF-46HZ	100	100	95	102
480-176533-31	FIELD BLANK	99	97	95	101
LCS 480-554504/6	Lab Control Sample	100	105	100	105
LCS 480-554624/5	Lab Control Sample	100	101	92	102
MB 480-554504/8	Method Blank	102	104	99	101
MB 480-554624/7	Method Blank	99	103	94	97

Surrogate Legend

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

Isotope Dilution Summary

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

Job ID: 480-176533-1

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Matrix: Water

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	DXE (15-110)
480-176533-1	TW-1	28
480-176533-2	TW-2S	28
480-176533-3	TW-2I	24
480-176533-4	TW-2D	28
480-176533-5	TW-3S	30
480-176533-6	TW-3I	29
480-176533-7	TW-3D	29
480-176533-8	TW-4I	27
480-176533-9	TW-5S	28
480-176533-10	TW-5I	29
480-176533-11	TW-5D	28
480-176533-12	TW-6S	28
480-176533-13	TW-6I	28
480-176533-14	TW-6D	29
480-176533-15	TW-7S	30
480-176533-16	TW-7I	29
480-176533-17	TW-7D	29
480-176533-18	TW-9I	27
480-176533-19	TW-9D	30
480-176533-20	TW-10D	29
480-176533-21	TW-12I	30
480-176533-22	TW-12D	30
480-176533-23	TW-14S	28
480-176533-24	TW-14I	29
480-176533-25	TW-14D	29
480-176533-26	TW-15	28
480-176533-27	TW-X-DUP	28
480-176533-28	RW-1	31
480-176533-28 MS	RW-1	29
480-176533-28 MSD	RW-1	29
480-176533-29	RW-2	28
480-176533-30	EFF-46HZ	32
480-176533-31	FIELD BLANK	30
LCS 480-554486/2-A	Lab Control Sample	32
LCS 480-554487/2-A	Lab Control Sample	31
LCSD 480-554486/3-A	Lab Control Sample Dup	31
MB 480-554486/1-A	Method Blank	31
MB 480-554487/1-A	Method Blank	33

Surrogate Legend

DXE = 1,4-Dioxane-d8

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Water

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	PFHxS (50-150)	C4PFHA (50-150)	PFOA (50-150)	PFOS (50-150)	PFNA (50-150)	PFBA (25-150)	PFHxA (50-150)	PFDA (50-150)
480-176533-1	TW-1	118	112	104	108	102	114	113	89
480-176533-2	TW-2S	118	109	105	111	103	117	117	88

Eurofins TestAmerica, Buffalo

Isotope Dilution Summary

Client: New York State D.E.C.

Job ID: 480-176533-1

Project/Site: Gladding Corporation #709009

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFHxS (50-150)	C4PFHA (50-150)	PFOA (50-150)	PFOS (50-150)	PFNA (50-150)	PFBA (25-150)	PFHxA (50-150)	PFDA (50-150)
480-176533-3	TW-2I	115	109	102	109	102	121	113	93
480-176533-4	TW-2D	110	111	103	96	97	117	112	79
480-176533-5	TW-3S	105	106	100	96	94	96	106	80
480-176533-6	TW-3I	107	106	100	97	91	122	113	76
480-176533-7	TW-3D	109	110	104	106	97	117	110	87
480-176533-8	TW-4I	115	112	102	104	98	118	118	88
480-176533-9	TW-5S	114	115	106	111	106	117	120	93
480-176533-10	TW-5I	103	125	98	93	102	103	106	103
480-176533-11	TW-5D	95	114	98	89	92	110	113	86
480-176533-12	TW-6S	102	102	100	102	95	108	104	83
480-176533-13	TW-6I	105	107	101	106	100	117	114	87
480-176533-14	TW-6D	108	110	98	99	93	112	112	76
480-176533-15	TW-7S	109	111	103	102	101	117	115	82
480-176533-16	TW-7I	62	81	74	65	73	76	80	68
480-176533-17	TW-7D	110	114	105	113	108	125	120	95
480-176533-18	TW-9I	91	111	97	66	88	99	106	69
480-176533-19	TW-9D	77	107	99	60	90	78	88	69
480-176533-20	TW-10D	102	108	99	99	98	141	112	87
480-176533-21	TW-12I	105	115	103	104	95	120	112	92
480-176533-22	TW-12D	117	113	105	111	101	124	119	93
480-176533-23	TW-14S	110	109	101	111	98	114	115	98
480-176533-24	TW-14I	112	116	104	111	107	121	118	93
480-176533-25	TW-14D	110	112	103	104	100	118	119	88
480-176533-26	TW-15	110	115	110	109	102	120	123	90
480-176533-27	TW-X-DUP	108	113	106	94	98	116	115	83
480-176533-28	RW-1	108	111	103	103	102	117	114	87
480-176533-28 MS	RW-1	108	112	105	110	100	118	117	95
480-176533-28 MSD	RW-1	112	111	101	106	98	116	114	82
480-176533-29	RW-2	108	113	103	109	103	120	113	98
480-176533-30	EFF-46HZ	107	106	100	107	98	117	107	91
480-176533-31	FIELD BLANK	102	106	99	108	100	119	110	92
LCS 200-160233/2-A	Lab Control Sample	111	111	101	113	105	126	119	97
LCS 200-160291/2-A	Lab Control Sample	108	109	103	111	98	120	113	91
LCSD 200-160233/3-A	Lab Control Sample Dup	112	112	108	111	105	121	115	92
MB 200-160233/1-A	Method Blank	110	108	98	107	97	121	111	93
MB 200-160291/1-A	Method Blank	101	101	92	103	98	113	102	91

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFUnA (50-150)	PFDoA (50-150)	PFOSA (25-150)	PFPeA (25-150)	PFTDA (50-150)	d3NMFOS (50-150)	d5NEFOS (50-150)	M262FTS (25-150)
480-176533-1	TW-1	84	68	89	118	77	76	84	110
480-176533-2	TW-2S	78	64	87	113	68	69	67	113
480-176533-3	TW-2I	86	60	95	118	72	77	81	104
480-176533-4	TW-2D	74	59	86	116	67	73	69	111
480-176533-5	TW-3S	67	67	63	104	73	68	81	118
480-176533-6	TW-3I	70	54	82	118	57	76	73	107
480-176533-7	TW-3D	79	66	90	116	69	71	72	111
480-176533-8	TW-4I	79	62	93	122	72	76	75	112
480-176533-9	TW-5S	86	65	93	120	73	80	85	108
480-176533-10	TW-5I	80	76	75	109	74	71	72	126
480-176533-11	TW-5D	72	58	72	118	55	60	64	114

Eurofins TestAmerica, Buffalo

Isotope Dilution Summary

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

Job ID: 480-176533-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		PfUnA (50-150)	PfDoA (50-150)	PfOSA (25-150)	PfPeA (25-150)	PfTDA (50-150)	d3NMFOs (50-150)	d5NEFOs (50-150)	M262FTS (25-150)
480-176533-12	TW-6S	76	61	85	111	69	75	77	108
480-176533-13	TW-6I	83	60	85	121	67	74	77	112
480-176533-14	TW-6D	73	54	81	118	65	69	64	112
480-176533-15	TW-7S	75	55	89	120	68	72	74	115
480-176533-16	TW-7I	67	56	64	81	62	65	58	85
480-176533-17	TW-7D	91	71	97	124	78	87	83	115
480-176533-18	TW-9I	50	37 *5	50	112	31 *5	46 *5	45 *5	142
480-176533-19	TW-9D	46 *5	29 *5	44	94	21 *5	40 *5	35 *5	169 *5
480-176533-20	TW-10D	82	59	84	118	68	66	62	110
480-176533-21	TW-12I	82	59	96	119	63	72	70	110
480-176533-22	TW-12D	84	72	99	123	76	79	78	119
480-176533-23	TW-14S	84	65	99	118	71	80	83	109
480-176533-24	TW-14I	82	63	99	122	57	73	67	110
480-176533-25	TW-14D	77	53	88	118	55	69	67	114
480-176533-26	TW-15	79	68	91	128	68	73	76	117
480-176533-27	TW-X-DUP	79	61	86	122	61	68	65	124
480-176533-28	RW-1	66	50	94	115	56	69	65	110
480-176533-28 MS	RW-1	80	65	91	119	70	77	79	110
480-176533-28 MSD	RW-1	73	56	85	117	66	74	66	99
480-176533-29	RW-2	88	69	92	121	75	79	81	118
480-176533-30	EFF-46HZ	87	67	88	114	69	79	72	105
480-176533-31	FIELD BLANK	93	70	70	115	51	84	94	106
LCS 200-160233/2-A	Lab Control Sample	95	75	70	120	75	90	95	111
LCS 200-160291/2-A	Lab Control Sample	93	71	71	115	65	83	80	108
LCSD 200-160233/3-A	Lab Control Sample Dup	93	70	53	124	69	90	83	112
MB 200-160233/1-A	Method Blank	92	64	62	119	67	84	89	109
MB 200-160291/1-A	Method Blank	87	74	67	112	67	81	82	105

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)	
		M282FTS (25-150)	C3PFBS (50-150)
480-176533-1	TW-1	100	109
480-176533-2	TW-2S	98	111
480-176533-3	TW-2I	108	110
480-176533-4	TW-2D	92	106
480-176533-5	TW-3S	101	98
480-176533-6	TW-3I	86	108
480-176533-7	TW-3D	99	111
480-176533-8	TW-4I	110	110
480-176533-9	TW-5S	110	112
480-176533-10	TW-5I	144	96
480-176533-11	TW-5D	138	94
480-176533-12	TW-6S	90	101
480-176533-13	TW-6I	90	108
480-176533-14	TW-6D	97	110
480-176533-15	TW-7S	97	105
480-176533-16	TW-7I	81	50
480-176533-17	TW-7D	100	116
480-176533-18	TW-9I	112	91
480-176533-19	TW-9D	116	72
480-176533-20	TW-10D	105	102

Eurofins TestAmerica, Buffalo

Isotope Dilution Summary

Client: New York State D.E.C.

Job ID: 480-176533-1

Project/Site: Gladding Corporation #709009

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)	
		M282FTS (25-150)	C3PFBS (50-150)
480-176533-21	TW-12I	104	108
480-176533-22	TW-12D	110	109
480-176533-23	TW-14S	107	107
480-176533-24	TW-14I	102	109
480-176533-25	TW-14D	98	110
480-176533-26	TW-15	98	110
480-176533-27	TW-X-DUP	96	103
480-176533-28	RW-1	93	106
480-176533-28 MS	RW-1	95	108
480-176533-28 MSD	RW-1	92	109
480-176533-29	RW-2	105	106
480-176533-30	EFF-46HZ	108	102
480-176533-31	FIELD BLANK	107	102
LCS 200-160233/2-A	Lab Control Sample	105	111
LCS 200-160291/2-A	Lab Control Sample	110	106
LCSD 200-160233/3-A	Lab Control Sample Dup	113	114
MB 200-160233/1-A	Method Blank	102	107
MB 200-160291/1-A	Method Blank	99	96

Surrogate Legend

PFHxS = 18O2 PFHxS
 C4PFHA = 13C4 PFHxPA
 PFOA = 13C4 PFOA
 PFOS = 13C4 PFOS
 PFNA = 13C5 PFNA
 PFBA = 13C4 PFBA
 PFHxA = 13C2 PFHxA
 PFDA = 13C2 PFDA
 PFUnA = 13C2 PFUnA
 PFDoA = 13C2 PFDoA
 PFOSA = 13C8 FOSA
 PFPeA = 13C5 PFPeA
 PFTDA = 13C2 PFTeDA
 d3NMFOS = d3-NMeFOSAA
 d5NEFOS = d5-NEtFOSAA
 M262FTS = M2-6:2 FTS
 M282FTS = M2-8:2 FTS
 C3PFBS = 13C3 PFBS

QC Sample Results

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

Job ID: 480-176533-1

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

Lab Sample ID: MB 480-554504/8

Matrix: Water

Analysis Batch: 554504

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			10/18/20 21:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/18/20 21:52	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/18/20 21:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/18/20 21:52	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/18/20 21:52	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/18/20 21:52	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/18/20 21:52	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/18/20 21:52	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/18/20 21:52	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/18/20 21:52	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/18/20 21:52	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/18/20 21:52	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/18/20 21:52	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/18/20 21:52	1
2-Hexanone	ND		5.0	1.2	ug/L			10/18/20 21:52	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/18/20 21:52	1
Acetone	ND		10	3.0	ug/L			10/18/20 21:52	1
Benzene	ND		1.0	0.41	ug/L			10/18/20 21:52	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/18/20 21:52	1
Bromoform	ND		1.0	0.26	ug/L			10/18/20 21:52	1
Bromomethane	ND		1.0	0.69	ug/L			10/18/20 21:52	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/18/20 21:52	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/18/20 21:52	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/18/20 21:52	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/18/20 21:52	1
Chloroethane	ND		1.0	0.32	ug/L			10/18/20 21:52	1
Chloroform	ND		1.0	0.34	ug/L			10/18/20 21:52	1
Chloromethane	ND		1.0	0.35	ug/L			10/18/20 21:52	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/18/20 21:52	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/18/20 21:52	1
Cyclohexane	ND		1.0	0.18	ug/L			10/18/20 21:52	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/18/20 21:52	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/18/20 21:52	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/18/20 21:52	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/18/20 21:52	1
Methyl acetate	ND		2.5	1.3	ug/L			10/18/20 21:52	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/18/20 21:52	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/18/20 21:52	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/18/20 21:52	1
Styrene	ND		1.0	0.73	ug/L			10/18/20 21:52	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/18/20 21:52	1
Toluene	ND		1.0	0.51	ug/L			10/18/20 21:52	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/18/20 21:52	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/18/20 21:52	1
Trichloroethene	ND		1.0	0.46	ug/L			10/18/20 21:52	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/18/20 21:52	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/18/20 21:52	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/18/20 21:52	1

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-176533-1

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

Lab Sample ID: MB 480-554504/8

Matrix: Water

Analysis Batch: 554504

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	102		80 - 120		10/18/20 21:52	1
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		10/18/20 21:52	1
4-Bromofluorobenzene (Surr)	99		73 - 120		10/18/20 21:52	1
Dibromofluoromethane (Surr)	101		75 - 123		10/18/20 21:52	1

Lab Sample ID: LCS 480-554504/6

Matrix: Water

Analysis Batch: 554504

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	27.6		ug/L		110	73 - 126
1,1,2,2-Tetrachloroethane	25.0	26.4		ug/L		106	76 - 120
1,1,2-Trichloroethane	25.0	27.5		ug/L		110	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	28.4		ug/L		113	61 - 148
1,1-Dichloroethane	25.0	26.7		ug/L		107	77 - 120
1,1-Dichloroethene	25.0	27.6		ug/L		111	66 - 127
1,2,4-Trichlorobenzene	25.0	26.4		ug/L		106	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	25.9		ug/L		104	56 - 134
1,2-Dichlorobenzene	25.0	26.6		ug/L		106	80 - 124
1,2-Dichloroethane	25.0	27.7		ug/L		111	75 - 120
1,2-Dichloropropane	25.0	27.2		ug/L		109	76 - 120
1,3-Dichlorobenzene	25.0	26.7		ug/L		107	77 - 120
1,4-Dichlorobenzene	25.0	26.3		ug/L		105	80 - 120
2-Butanone (MEK)	125	147		ug/L		117	57 - 140
2-Hexanone	125	146		ug/L		117	65 - 127
4-Methyl-2-pentanone (MIBK)	125	143		ug/L		114	71 - 125
Acetone	125	152		ug/L		122	56 - 142
Benzene	25.0	27.3		ug/L		109	71 - 124
Bromodichloromethane	25.0	26.4		ug/L		106	80 - 122
Bromoform	25.0	26.0		ug/L		104	61 - 132
Bromomethane	25.0	26.6		ug/L		107	55 - 144
Carbon disulfide	25.0	26.4		ug/L		106	59 - 134
Carbon tetrachloride	25.0	27.9		ug/L		112	72 - 134
Chlorobenzene	25.0	27.2		ug/L		109	80 - 120
Dibromochloromethane	25.0	26.7		ug/L		107	75 - 125
Chloroethane	25.0	26.1		ug/L		105	69 - 136
Chloroform	25.0	26.7		ug/L		107	73 - 127
Chloromethane	25.0	27.9		ug/L		112	68 - 124
cis-1,2-Dichloroethene	25.0	26.1		ug/L		104	74 - 124
cis-1,3-Dichloropropene	25.0	26.4		ug/L		106	74 - 124
Cyclohexane	25.0	27.6		ug/L		110	59 - 135
Dichlorodifluoromethane	25.0	27.5		ug/L		110	59 - 135
Ethylbenzene	25.0	27.6		ug/L		110	77 - 123
1,2-Dibromoethane	25.0	26.6		ug/L		106	77 - 120
Isopropylbenzene	25.0	27.2		ug/L		109	77 - 122
Methyl acetate	50.0	57.3		ug/L		115	74 - 133
Methyl tert-butyl ether	25.0	27.0		ug/L		108	77 - 120
Methylcyclohexane	25.0	27.9		ug/L		112	68 - 134

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-176533-1

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

Lab Sample ID: LCS 480-554504/6

Matrix: Water

Analysis Batch: 554504

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	25.7		ug/L		103	75 - 124
Styrene	25.0	27.3		ug/L		109	80 - 120
Tetrachloroethene	25.0	26.8		ug/L		107	74 - 122
Toluene	25.0	27.1		ug/L		108	80 - 122
trans-1,2-Dichloroethene	25.0	27.5		ug/L		110	73 - 127
trans-1,3-Dichloropropene	25.0	26.7		ug/L		107	80 - 120
Trichloroethene	25.0	27.4		ug/L		110	74 - 123
Trichlorofluoromethane	25.0	28.7		ug/L		115	62 - 150
Vinyl chloride	25.0	28.8		ug/L		115	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	100		80 - 120
1,2-Dichloroethane-d4 (Surr)	105		77 - 120
4-Bromofluorobenzene (Surr)	100		73 - 120
Dibromofluoromethane (Surr)	105		75 - 123

Lab Sample ID: 480-176533-28 MS

Matrix: Water

Analysis Batch: 554504

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	31		25.0	53.3		ug/L		88	73 - 126
1,1,2,2-Tetrachloroethane	ND		25.0	24.7		ug/L		99	76 - 120
1,1,2-Trichloroethane	ND		25.0	26.2		ug/L		105	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	22.5		ug/L		90	61 - 148
1,1-Dichloroethane	1.3		25.0	26.1		ug/L		99	77 - 120
1,1-Dichloroethene	0.88 J		25.0	26.2		ug/L		101	66 - 127
1,2,4-Trichlorobenzene	ND		25.0	23.6		ug/L		95	79 - 122
1,2-Dibromo-3-Chloropropane	ND		25.0	25.4		ug/L		101	56 - 134
1,2-Dichlorobenzene	ND		25.0	23.1		ug/L		92	80 - 124
1,2-Dichloroethane	ND		25.0	26.3		ug/L		105	75 - 120
1,2-Dichloropropane	ND		25.0	25.0		ug/L		100	76 - 120
1,3-Dichlorobenzene	ND		25.0	22.9		ug/L		92	77 - 120
1,4-Dichlorobenzene	ND		25.0	23.3		ug/L		93	78 - 124
2-Butanone (MEK)	ND		125	135		ug/L		108	57 - 140
2-Hexanone	ND		125	138		ug/L		111	65 - 127
4-Methyl-2-pentanone (MIBK)	ND		125	140		ug/L		112	71 - 125
Acetone	ND		125	137		ug/L		110	56 - 142
Benzene	ND		25.0	24.6		ug/L		98	71 - 124
Bromodichloromethane	ND		25.0	23.6		ug/L		94	80 - 122
Bromoform	ND		25.0	23.1		ug/L		93	61 - 132
Bromomethane	ND		25.0	26.6		ug/L		106	55 - 144
Carbon disulfide	ND		25.0	21.0		ug/L		84	59 - 134
Carbon tetrachloride	ND		25.0	24.5		ug/L		98	72 - 134
Chlorobenzene	ND		25.0	23.7		ug/L		95	80 - 120
Dibromochloromethane	ND		25.0	24.0		ug/L		96	75 - 125
Chloroethane	ND		25.0	25.6		ug/L		102	69 - 136
Chloroform	ND		25.0	24.4		ug/L		98	73 - 127

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-176533-1

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

Lab Sample ID: 480-176533-28 MS

Matrix: Water

Analysis Batch: 554504

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	26.2		ug/L		105	68 - 124
cis-1,2-Dichloroethene	ND		25.0	24.3		ug/L		97	74 - 124
cis-1,3-Dichloropropene	ND		25.0	22.9		ug/L		92	74 - 124
Cyclohexane	ND		25.0	22.3		ug/L		89	59 - 135
Dichlorodifluoromethane	ND		25.0	26.0		ug/L		104	59 - 135
Ethylbenzene	ND		25.0	23.9		ug/L		96	77 - 123
1,2-Dibromoethane	ND		25.0	24.0		ug/L		96	77 - 120
Isopropylbenzene	ND		25.0	23.1		ug/L		92	77 - 122
Methyl acetate	ND		50.0	49.8		ug/L		100	74 - 133
Methyl tert-butyl ether	ND		25.0	25.9		ug/L		104	77 - 120
Methylcyclohexane	ND		25.0	22.8		ug/L		91	68 - 134
Methylene Chloride	ND		25.0	24.9		ug/L		100	75 - 124
Styrene	ND		25.0	23.5		ug/L		94	80 - 120
Tetrachloroethene	ND		25.0	23.3		ug/L		93	74 - 122
Toluene	ND		25.0	23.8		ug/L		95	80 - 122
trans-1,2-Dichloroethene	ND		25.0	25.0		ug/L		100	73 - 127
trans-1,3-Dichloropropene	ND		25.0	23.7		ug/L		95	80 - 120
Trichloroethene	ND		25.0	24.0		ug/L		96	74 - 123
Trichlorofluoromethane	ND		25.0	25.6		ug/L		103	62 - 150
Vinyl chloride	ND		25.0	27.2		ug/L		109	65 - 133

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	101		80 - 120
1,2-Dichloroethane-d4 (Surr)	101		77 - 120
4-Bromofluorobenzene (Surr)	98		73 - 120
Dibromofluoromethane (Surr)	104		75 - 123

Lab Sample ID: 480-176533-28 MSD

Matrix: Water

Analysis Batch: 554504

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	31		25.0	56.8		ug/L		102	73 - 126	6	15
1,1,2,2-Tetrachloroethane	ND		25.0	26.6		ug/L		106	76 - 120	7	15
1,1,2-Trichloroethane	ND		25.0	26.7		ug/L		107	76 - 122	2	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		25.0	24.6		ug/L		98	61 - 148	9	20
1,1-Dichloroethane	1.3		25.0	25.5		ug/L		97	77 - 120	2	20
1,1-Dichloroethene	0.88	J	25.0	26.7		ug/L		103	66 - 127	2	16
1,2,4-Trichlorobenzene	ND		25.0	25.3		ug/L		101	79 - 122	7	20
1,2-Dibromo-3-Chloropropane	ND		25.0	26.2		ug/L		105	56 - 134	3	15
1,2-Dichlorobenzene	ND		25.0	25.0		ug/L		100	80 - 124	8	20
1,2-Dichloroethane	ND		25.0	25.6		ug/L		102	75 - 120	3	20
1,2-Dichloropropane	ND		25.0	24.3		ug/L		97	76 - 120	3	20
1,3-Dichlorobenzene	ND		25.0	25.1		ug/L		100	77 - 120	9	20
1,4-Dichlorobenzene	ND		25.0	24.4		ug/L		98	78 - 124	5	20
2-Butanone (MEK)	ND		125	138		ug/L		110	57 - 140	2	20
2-Hexanone	ND		125	148		ug/L		119	65 - 127	7	15
4-Methyl-2-pentanone (MIBK)	ND		125	146		ug/L		117	71 - 125	5	35

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-176533-1

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

Lab Sample ID: 480-176533-28 MSD

Matrix: Water

Analysis Batch: 554504

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	131		ug/L		104	56 - 142	5	15
Benzene	ND		25.0	24.9		ug/L		100	71 - 124	1	13
Bromodichloromethane	ND		25.0	24.5		ug/L		98	80 - 122	4	15
Bromoform	ND		25.0	23.4		ug/L		94	61 - 132	1	15
Bromomethane	ND		25.0	25.3		ug/L		101	55 - 144	5	15
Carbon disulfide	ND		25.0	21.0		ug/L		84	59 - 134	0	15
Carbon tetrachloride	ND		25.0	25.3		ug/L		101	72 - 134	3	15
Chlorobenzene	ND		25.0	25.0		ug/L		100	80 - 120	6	25
Dibromochloromethane	ND		25.0	24.3		ug/L		97	75 - 125	1	15
Chloroethane	ND		25.0	25.7		ug/L		103	69 - 136	0	15
Chloroform	ND		25.0	24.5		ug/L		98	73 - 127	0	20
Chloromethane	ND		25.0	26.6		ug/L		106	68 - 124	1	15
cis-1,2-Dichloroethene	ND		25.0	24.7		ug/L		99	74 - 124	1	15
cis-1,3-Dichloropropene	ND		25.0	22.9		ug/L		91	74 - 124	0	15
Cyclohexane	ND		25.0	24.7		ug/L		99	59 - 135	10	20
Dichlorodifluoromethane	ND		25.0	24.6		ug/L		98	59 - 135	6	20
Ethylbenzene	ND		25.0	25.6		ug/L		102	77 - 123	7	15
1,2-Dibromoethane	ND		25.0	24.6		ug/L		98	77 - 120	2	15
Isopropylbenzene	ND		25.0	25.5		ug/L		102	77 - 122	10	20
Methyl acetate	ND		50.0	47.5		ug/L		95	74 - 133	5	20
Methyl tert-butyl ether	ND		25.0	25.4		ug/L		101	77 - 120	2	37
Methylcyclohexane	ND		25.0	25.5		ug/L		102	68 - 134	11	20
Methylene Chloride	ND		25.0	24.1		ug/L		96	75 - 124	3	15
Styrene	ND		25.0	25.3		ug/L		101	80 - 120	7	20
Tetrachloroethene	ND		25.0	25.1		ug/L		100	74 - 122	8	20
Toluene	ND		25.0	25.1		ug/L		100	80 - 122	5	15
trans-1,2-Dichloroethene	ND		25.0	24.5		ug/L		98	73 - 127	2	20
trans-1,3-Dichloropropene	ND		25.0	24.1		ug/L		96	80 - 120	2	15
Trichloroethene	ND		25.0	24.3		ug/L		97	74 - 123	1	16
Trichlorofluoromethane	ND		25.0	25.8		ug/L		103	62 - 150	1	20
Vinyl chloride	ND		25.0	26.6		ug/L		106	65 - 133	2	15

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

Lab Sample ID: MB 480-554624/7

Matrix: Water

Analysis Batch: 554624

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			10/19/20 21:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/19/20 21:21	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/19/20 21:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/19/20 21:21	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/19/20 21:21	1

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-176533-1

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

Lab Sample ID: MB 480-554624/7

Matrix: Water

Analysis Batch: 554624

Client Sample ID: Method Blank

Prep Type: Total/NA

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120		10/19/20 21:21	1
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		10/19/20 21:21	1
4-Bromofluorobenzene (Surr)	94		73 - 120		10/19/20 21:21	1

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-176533-1

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

Lab Sample ID: MB 480-554624/7

Matrix: Water

Analysis Batch: 554624

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	97		75 - 123		10/19/20 21:21	1

Lab Sample ID: LCS 480-554624/5

Matrix: Water

Analysis Batch: 554624

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	23.0		ug/L		92	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.0		ug/L		92	76 - 120
1,1,2-Trichloroethane	25.0	23.3		ug/L		93	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	22.3		ug/L		89	61 - 148
1,1-Dichloroethane	25.0	23.5		ug/L		94	77 - 120
1,1-Dichloroethene	25.0	21.0		ug/L		84	66 - 127
1,2,4-Trichlorobenzene	25.0	22.7		ug/L		91	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	20.1		ug/L		80	56 - 134
1,2-Dichlorobenzene	25.0	22.6		ug/L		90	80 - 124
1,2-Dichloroethane	25.0	24.1		ug/L		96	75 - 120
1,2-Dichloropropane	25.0	24.8		ug/L		99	76 - 120
1,3-Dichlorobenzene	25.0	22.7		ug/L		91	77 - 120
1,4-Dichlorobenzene	25.0	23.3		ug/L		93	80 - 120
2-Butanone (MEK)	125	124		ug/L		99	57 - 140
2-Hexanone	125	124		ug/L		99	65 - 127
4-Methyl-2-pentanone (MIBK)	125	120		ug/L		96	71 - 125
Acetone	125	120		ug/L		96	56 - 142
Benzene	25.0	23.6		ug/L		95	71 - 124
Bromodichloromethane	25.0	22.7		ug/L		91	80 - 122
Bromoform	25.0	20.3		ug/L		81	61 - 132
Bromomethane	25.0	21.2		ug/L		85	55 - 144
Carbon disulfide	25.0	20.7		ug/L		83	59 - 134
Carbon tetrachloride	25.0	22.3		ug/L		89	72 - 134
Chlorobenzene	25.0	23.4		ug/L		93	80 - 120
Dibromochloromethane	25.0	21.2		ug/L		85	75 - 125
Chloroethane	25.0	23.0		ug/L		92	69 - 136
Chloroform	25.0	23.1		ug/L		93	73 - 127
Chloromethane	25.0	22.9		ug/L		92	68 - 124
cis-1,2-Dichloroethene	25.0	22.4		ug/L		90	74 - 124
cis-1,3-Dichloropropene	25.0	23.0		ug/L		92	74 - 124
Cyclohexane	25.0	23.9		ug/L		96	59 - 135
Dichlorodifluoromethane	25.0	21.6		ug/L		87	59 - 135
Ethylbenzene	25.0	22.9		ug/L		92	77 - 123
1,2-Dibromoethane	25.0	22.4		ug/L		90	77 - 120
Isopropylbenzene	25.0	23.7		ug/L		95	77 - 122
Methyl acetate	50.0	43.1		ug/L		86	74 - 133
Methyl tert-butyl ether	25.0	22.7		ug/L		91	77 - 120
Methylcyclohexane	25.0	23.0		ug/L		92	68 - 134
Methylene Chloride	25.0	24.2		ug/L		97	75 - 124
Styrene	25.0	24.0		ug/L		96	80 - 120
Tetrachloroethene	25.0	22.2		ug/L		89	74 - 122

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-176533-1

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

Lab Sample ID: LCS 480-554624/5

Matrix: Water

Analysis Batch: 554624

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	25.0	23.1		ug/L		92	80 - 122
trans-1,2-Dichloroethene	25.0	23.2		ug/L		93	73 - 127
trans-1,3-Dichloropropene	25.0	22.2		ug/L		89	80 - 120
Trichloroethene	25.0	23.1		ug/L		92	74 - 123
Trichlorofluoromethane	25.0	21.7		ug/L		87	62 - 150
Vinyl chloride	25.0	21.5		ug/L		86	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	100		80 - 120
1,2-Dichloroethane-d4 (Surr)	101		77 - 120
4-Bromofluorobenzene (Surr)	92		73 - 120
Dibromofluoromethane (Surr)	102		75 - 123

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Lab Sample ID: MB 480-554486/1-A

Matrix: Water

Analysis Batch: 555321

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 554486

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.20	0.10	ug/L		10/18/20 08:36	10/22/20 23:34	1
Isotope Dilution	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	31		15 - 110				10/18/20 08:36	10/22/20 23:34	1

Lab Sample ID: LCS 480-554486/2-A

Matrix: Water

Analysis Batch: 555321

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 554486

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	1.00	1.14		ug/L		114	40 - 140
Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits				
1,4-Dioxane-d8	32		15 - 110				

Lab Sample ID: LCSD 480-554486/3-A

Matrix: Water

Analysis Batch: 555321

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 554486

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dioxane	1.00	1.13		ug/L		113	40 - 140	0	20
Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits						
1,4-Dioxane-d8	31		15 - 110						

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-176533-1

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution) (Continued)

Lab Sample ID: MB 480-554487/1-A
Matrix: Water
Analysis Batch: 555460

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 554487

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.20	0.10	ug/L		10/18/20 08:56	10/23/20 17:09	1
Isotope Dilution	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,4-Dioxane-d8	33		15 - 110				10/18/20 08:56	10/23/20 17:09	1

Lab Sample ID: LCS 480-554487/2-A
Matrix: Water
Analysis Batch: 555460

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 554487

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
1,4-Dioxane	1.00	1.13		ug/L		113	40 - 140
Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits				
1,4-Dioxane-d8	31		15 - 110				

Lab Sample ID: 480-176533-28 MS
Matrix: Water
Analysis Batch: 555460

Client Sample ID: RW-1
Prep Type: Total/NA
Prep Batch: 554487

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
1,4-Dioxane	0.18	J	0.952	1.23	E	ug/L		110	40 - 140
Isotope Dilution	MS %Recovery	MS Qualifier	Limits						
1,4-Dioxane-d8	29		15 - 110						

Lab Sample ID: 480-176533-28 MSD
Matrix: Water
Analysis Batch: 555460

Client Sample ID: RW-1
Prep Type: Total/NA
Prep Batch: 554487

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
1,4-Dioxane	0.18	J	0.952	1.24	E	ug/L		112	40 - 140	1	20
Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits								
1,4-Dioxane-d8	29		15 - 110								

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 200-160233/1-A
Matrix: Water
Analysis Batch: 160292

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 160233

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		5.0	1.1	ng/L		10/21/20 14:00	10/22/20 10:36	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	1.1	ng/L		10/21/20 14:00	10/22/20 10:36	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.83	ng/L		10/21/20 14:00	10/22/20 10:36	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.46	ng/L		10/21/20 14:00	10/22/20 10:36	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.98	ng/L		10/21/20 14:00	10/22/20 10:36	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.58	ng/L		10/21/20 14:00	10/22/20 10:36	1

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QC Sample Results

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

Job ID: 480-176533-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 200-160233/1-A

Matrix: Water

Analysis Batch: 160292

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 160233

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorodecanoic acid (PFDA)	ND		2.0	0.46	ng/L		10/21/20 14:00	10/22/20 10:36	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.73	ng/L		10/21/20 14:00	10/22/20 10:36	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.46	ng/L		10/21/20 14:00	10/22/20 10:36	1
Perfluorotridecanoic acid (PFTriA)	ND		2.0	0.43	ng/L		10/21/20 14:00	10/22/20 10:36	1
Perfluorotetradecanoic acid (PFTeA)	ND		2.0	0.59	ng/L		10/21/20 14:00	10/22/20 10:36	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.63	ng/L		10/21/20 14:00	10/22/20 10:36	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.67	ng/L		10/21/20 14:00	10/22/20 10:36	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.0	0.39	ng/L		10/21/20 14:00	10/22/20 10:36	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	0.87	ng/L		10/21/20 14:00	10/22/20 10:36	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.48	ng/L		10/21/20 14:00	10/22/20 10:36	1
Perfluorooctanesulfonamide (PFOSA)	ND		2.0	0.57	ng/L		10/21/20 14:00	10/22/20 10:36	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		5.0	0.79	ng/L		10/21/20 14:00	10/22/20 10:36	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		5.0	0.93	ng/L		10/21/20 14:00	10/22/20 10:36	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		5.0	0.72	ng/L		10/21/20 14:00	10/22/20 10:36	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		2.0	0.66	ng/L		10/21/20 14:00	10/22/20 10:36	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
18O2 PFHxS	110		50 - 150	10/21/20 14:00	10/22/20 10:36	1
13C4 PFHpA	108		50 - 150	10/21/20 14:00	10/22/20 10:36	1
13C4 PFOA	98		50 - 150	10/21/20 14:00	10/22/20 10:36	1
13C4 PFOS	107		50 - 150	10/21/20 14:00	10/22/20 10:36	1
13C5 PFNA	97		50 - 150	10/21/20 14:00	10/22/20 10:36	1
13C4 PFBA	121		25 - 150	10/21/20 14:00	10/22/20 10:36	1
13C2 PFHxA	111		50 - 150	10/21/20 14:00	10/22/20 10:36	1
13C2 PFDA	93		50 - 150	10/21/20 14:00	10/22/20 10:36	1
13C2 PFUnA	92		50 - 150	10/21/20 14:00	10/22/20 10:36	1
13C2 PFDoA	64		50 - 150	10/21/20 14:00	10/22/20 10:36	1
13C8 FOSA	62		25 - 150	10/21/20 14:00	10/22/20 10:36	1
13C5 PFPeA	119		25 - 150	10/21/20 14:00	10/22/20 10:36	1
13C2 PFTeDA	67		50 - 150	10/21/20 14:00	10/22/20 10:36	1
d3-NMeFOSAA	84		50 - 150	10/21/20 14:00	10/22/20 10:36	1
d5-NEtFOSAA	89		50 - 150	10/21/20 14:00	10/22/20 10:36	1
M2-6:2 FTS	109		25 - 150	10/21/20 14:00	10/22/20 10:36	1
M2-8:2 FTS	102		25 - 150	10/21/20 14:00	10/22/20 10:36	1
13C3 PFBS	107		50 - 150	10/21/20 14:00	10/22/20 10:36	1

Lab Sample ID: LCS 200-160233/2-A

Matrix: Water

Analysis Batch: 160292

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 160233

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	40.0	37.6		ng/L		94	50 - 150
Perfluoropentanoic acid (PFPeA)	40.0	37.2		ng/L		93	50 - 150
Perfluorohexanoic acid (PFHxA)	40.0	38.3		ng/L		96	70 - 130
Perfluoroheptanoic acid (PFHpA)	40.0	39.8		ng/L		99	70 - 130

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QC Sample Results

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

Job ID: 480-176533-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 200-160233/2-A

Matrix: Water

Analysis Batch: 160292

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 160233

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorooctanoic acid (PFOA)	40.0	43.1		ng/L		108	70 - 130
Perfluorononanoic acid (PFNA)	40.0	40.0		ng/L		100	70 - 130
Perfluorodecanoic acid (PFDA)	40.0	38.6		ng/L		96	70 - 130
Perfluoroundecanoic acid (PFUnA)	40.0	38.6		ng/L		97	70 - 130
Perfluorododecanoic acid (PFDoA)	40.0	40.4		ng/L		101	70 - 130
Perfluorotridecanoic acid (PFTriA)	40.0	37.3		ng/L		93	70 - 130
Perfluorotetradecanoic acid (PFTeA)	40.0	44.4		ng/L		111	70 - 130
Perfluorobutanesulfonic acid (PFBS)	35.4	35.9		ng/L		101	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	36.4	35.9		ng/L		99	70 - 130
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	38.9		ng/L		102	50 - 150
Perfluorooctanesulfonic acid (PFOS)	37.1	34.3		ng/L		92	70 - 130
Perfluorodecanesulfonic acid (PFDS)	38.6	34.7		ng/L		90	50 - 150
Perfluorooctanesulfonamide (PFOSA)	40.0	42.1		ng/L		105	50 - 150
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	41.1		ng/L		103	70 - 130
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	34.8		ng/L		87	70 - 130
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	37.9	35.0		ng/L		92	50 - 150
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	38.3	36.8		ng/L		96	50 - 150

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
18O2 PFHxS	111		50 - 150
13C4 PFHpA	111		50 - 150
13C4 PFOA	101		50 - 150
13C4 PFOS	113		50 - 150
13C5 PFNA	105		50 - 150
13C4 PFBA	126		25 - 150
13C2 PFHxA	119		50 - 150
13C2 PFDA	97		50 - 150
13C2 PFUnA	95		50 - 150
13C2 PFDoA	75		50 - 150
13C8 FOSA	70		25 - 150
13C5 PFPeA	120		25 - 150
13C2 PFTeDA	75		50 - 150
d3-NMeFOSAA	90		50 - 150
d5-NEtFOSAA	95		50 - 150
M2-6:2 FTS	111		25 - 150
M2-8:2 FTS	105		25 - 150
13C3 PFBS	111		50 - 150

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QC Sample Results

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

Job ID: 480-176533-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCSD 200-160233/3-A

Matrix: Water

Analysis Batch: 160292

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 160233

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	40.0	36.7		ng/L		92	50 - 150	2	30
Perfluoropentanoic acid (PFPeA)	40.0	34.5		ng/L		86	50 - 150	8	30
Perfluorohexanoic acid (PFHxA)	40.0	37.9		ng/L		95	70 - 130	1	20
Perfluoroheptanoic acid (PFHpA)	40.0	40.3		ng/L		101	70 - 130	1	20
Perfluorooctanoic acid (PFOA)	40.0	37.7		ng/L		94	70 - 130	13	20
Perfluorononanoic acid (PFNA)	40.0	36.7		ng/L		92	70 - 130	8	20
Perfluorodecanoic acid (PFDA)	40.0	39.7		ng/L		99	70 - 130	3	20
Perfluoroundecanoic acid (PFUnA)	40.0	39.2		ng/L		98	70 - 130	2	20
Perfluorododecanoic acid (PFDoA)	40.0	39.0		ng/L		98	70 - 130	3	20
Perfluorotridecanoic acid (PFTriA)	40.0	37.3		ng/L		93	70 - 130	0	20
Perfluorotetradecanoic acid (PFTeA)	40.0	45.6		ng/L		114	70 - 130	3	20
Perfluorobutanesulfonic acid (PFBS)	35.4	33.4		ng/L		94	70 - 130	7	20
Perfluorohexanesulfonic acid (PFHxS)	36.4	34.6		ng/L		95	70 - 130	4	20
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	38.0		ng/L		100	50 - 150	2	30
Perfluorooctanesulfonic acid (PFOS)	37.1	34.5		ng/L		93	70 - 130	1	20
Perfluorodecanesulfonic acid (PFDS)	38.6	35.1		ng/L		91	50 - 150	1	30
Perfluorooctanesulfonamide (PFOSA)	40.0	47.9		ng/L		120	50 - 150	13	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	34.0		ng/L		85	70 - 130	19	20
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	39.0		ng/L		97	70 - 130	11	20
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	37.9	34.9		ng/L		92	50 - 150	0	30
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	38.3	34.0		ng/L		89	50 - 150	8	30

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
18O2 PFHxS	112		50 - 150
13C4 PFHpA	112		50 - 150
13C4 PFOA	108		50 - 150
13C4 PFOS	111		50 - 150
13C5 PFNA	105		50 - 150
13C4 PFBA	121		25 - 150
13C2 PFHxA	115		50 - 150
13C2 PFDA	92		50 - 150
13C2 PFUnA	93		50 - 150
13C2 PFDoA	70		50 - 150
13C8 FOSA	53		25 - 150
13C5 PFPeA	124		25 - 150
13C2 PFTeDA	69		50 - 150
d3-NMeFOSAA	90		50 - 150
d5-NEtFOSAA	83		50 - 150

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QC Sample Results

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

Job ID: 480-176533-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCSD 200-160233/3-A

Matrix: Water

Analysis Batch: 160292

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 160233

Isotope Dilution	LCSD		Limits
	%Recovery	Qualifier	
M2-6:2 FTS	112		25 - 150
M2-8:2 FTS	113		25 - 150
13C3 PFBS	114		50 - 150

Lab Sample ID: MB 200-160291/1-A

Matrix: Water

Analysis Batch: 160330

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 160291

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	ND		5.0	1.1	ng/L		10/22/20 15:00	10/22/20 19:27	1
Perfluoropentanoic acid (PFPeA)	ND		2.0	1.1	ng/L		10/22/20 15:00	10/22/20 19:27	1
Perfluorohexanoic acid (PFHxA)	ND		2.0	0.83	ng/L		10/22/20 15:00	10/22/20 19:27	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.46	ng/L		10/22/20 15:00	10/22/20 19:27	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.98	ng/L		10/22/20 15:00	10/22/20 19:27	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.58	ng/L		10/22/20 15:00	10/22/20 19:27	1
Perfluorodecanoic acid (PFDA)	ND		2.0	0.46	ng/L		10/22/20 15:00	10/22/20 19:27	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0	0.73	ng/L		10/22/20 15:00	10/22/20 19:27	1
Perfluorododecanoic acid (PFDoA)	ND		2.0	0.46	ng/L		10/22/20 15:00	10/22/20 19:27	1
Perfluorotridecanoic acid (PFTriA)	ND		2.0	0.43	ng/L		10/22/20 15:00	10/22/20 19:27	1
Perfluorotetradecanoic acid (PFTeA)	ND		2.0	0.59	ng/L		10/22/20 15:00	10/22/20 19:27	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.63	ng/L		10/22/20 15:00	10/22/20 19:27	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.67	ng/L		10/22/20 15:00	10/22/20 19:27	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.0	0.39	ng/L		10/22/20 15:00	10/22/20 19:27	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	0.87	ng/L		10/22/20 15:00	10/22/20 19:27	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.48	ng/L		10/22/20 15:00	10/22/20 19:27	1
Perfluorooctanesulfonamide (PFOSA)	ND		2.0	0.57	ng/L		10/22/20 15:00	10/22/20 19:27	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		5.0	0.79	ng/L		10/22/20 15:00	10/22/20 19:27	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		5.0	0.93	ng/L		10/22/20 15:00	10/22/20 19:27	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		5.0	0.72	ng/L		10/22/20 15:00	10/22/20 19:27	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		2.0	0.66	ng/L		10/22/20 15:00	10/22/20 19:27	1

Isotope Dilution	MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
18O2 PFHxS	101		50 - 150	10/22/20 15:00	10/22/20 19:27	1
13C4 PFHpA	101		50 - 150	10/22/20 15:00	10/22/20 19:27	1
13C4 PFOA	92		50 - 150	10/22/20 15:00	10/22/20 19:27	1
13C4 PFOS	103		50 - 150	10/22/20 15:00	10/22/20 19:27	1
13C5 PFNA	98		50 - 150	10/22/20 15:00	10/22/20 19:27	1
13C4 PFBA	113		25 - 150	10/22/20 15:00	10/22/20 19:27	1
13C2 PFHxA	102		50 - 150	10/22/20 15:00	10/22/20 19:27	1
13C2 PFDA	91		50 - 150	10/22/20 15:00	10/22/20 19:27	1
13C2 PFUnA	87		50 - 150	10/22/20 15:00	10/22/20 19:27	1
13C2 PFDoA	74		50 - 150	10/22/20 15:00	10/22/20 19:27	1
13C8 FOSA	67		25 - 150	10/22/20 15:00	10/22/20 19:27	1
13C5 PFPeA	112		25 - 150	10/22/20 15:00	10/22/20 19:27	1
13C2 PFTeDA	67		50 - 150	10/22/20 15:00	10/22/20 19:27	1

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QC Sample Results

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

Job ID: 480-176533-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 200-160291/1-A

Matrix: Water

Analysis Batch: 160330

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 160291

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
d3-NMeFOSAA	81		50 - 150	10/22/20 15:00	10/22/20 19:27	1
d5-NEtFOSAA	82		50 - 150	10/22/20 15:00	10/22/20 19:27	1
M2-6:2 FTS	105		25 - 150	10/22/20 15:00	10/22/20 19:27	1
M2-8:2 FTS	99		25 - 150	10/22/20 15:00	10/22/20 19:27	1
13C3 PFBS	96		50 - 150	10/22/20 15:00	10/22/20 19:27	1

Lab Sample ID: LCS 200-160291/2-A

Matrix: Water

Analysis Batch: 160330

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 160291

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	40.0	37.1		ng/L		93	50 - 150
Perfluoropentanoic acid (PFPeA)	40.0	37.0		ng/L		92	50 - 150
Perfluorohexanoic acid (PFHxA)	40.0	39.4		ng/L		98	70 - 130
Perfluoroheptanoic acid (PFHpA)	40.0	39.5		ng/L		99	70 - 130
Perfluorooctanoic acid (PFOA)	40.0	38.2		ng/L		96	70 - 130
Perfluorononanoic acid (PFNA)	40.0	37.5		ng/L		94	70 - 130
Perfluorodecanoic acid (PFDA)	40.0	39.9		ng/L		100	70 - 130
Perfluoroundecanoic acid (PFUnA)	40.0	39.5		ng/L		99	70 - 130
Perfluorododecanoic acid (PFDoA)	40.0	39.4		ng/L		98	70 - 130
Perfluorotridecanoic acid (PFTriA)	40.0	37.0		ng/L		93	70 - 130
Perfluorotetradecanoic acid (PFTeA)	40.0	47.0		ng/L		117	70 - 130
Perfluorobutanesulfonic acid (PFBS)	35.4	35.2		ng/L		100	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	36.4	32.9		ng/L		90	70 - 130
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	36.0		ng/L		95	50 - 150
Perfluorooctanesulfonic acid (PFOS)	37.1	32.8		ng/L		88	70 - 130
Perfluorodecanesulfonic acid (PFDS)	38.6	31.7		ng/L		82	50 - 150
Perfluorooctanesulfonamide (PFOSA)	40.0	40.7		ng/L		102	50 - 150
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	37.3		ng/L		93	70 - 130
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	40.6		ng/L		101	70 - 130
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	37.9	36.7		ng/L		97	50 - 150
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	38.3	35.7		ng/L		93	50 - 150
Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits				
18O2 PFHxS	108		50 - 150				
13C4 PFHpA	109		50 - 150				
13C4 PFOA	103		50 - 150				
13C4 PFOS	111		50 - 150				

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-176533-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 200-160291/2-A

Matrix: Water

Analysis Batch: 160330

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 160291

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C5 PFNA	98		50 - 150
13C4 PFBA	120		25 - 150
13C2 PFHxA	113		50 - 150
13C2 PFDA	91		50 - 150
13C2 PFUnA	93		50 - 150
13C2 PFDoA	71		50 - 150
13C8 FOSA	71		25 - 150
13C5 PFPeA	115		25 - 150
13C2 PFTeDA	65		50 - 150
d3-NMeFOSAA	83		50 - 150
d5-NEtFOSAA	80		50 - 150
M2-6:2 FTS	108		25 - 150
M2-8:2 FTS	110		25 - 150
13C3 PFBS	106		50 - 150

Lab Sample ID: 480-176533-28 MS

Matrix: Water

Analysis Batch: 160330

Client Sample ID: RW-1

Prep Type: Total/NA

Prep Batch: 160291

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	ND		33.1	30.8		ng/L		93	40 - 160
Perfluoropentanoic acid (PFPeA)	ND		33.1	30.7		ng/L		93	40 - 160
Perfluorohexanoic acid (PFHxA)	ND		33.1	31.3		ng/L		95	40 - 160
Perfluoroheptanoic acid (PFHpA)	ND		33.1	32.3		ng/L		98	40 - 160
Perfluorooctanoic acid (PFOA)	0.95	J	33.1	33.8		ng/L		99	40 - 160
Perfluorononanoic acid (PFNA)	ND		33.1	32.9		ng/L		99	40 - 160
Perfluorodecanoic acid (PFDA)	ND		33.1	30.6		ng/L		92	40 - 160
Perfluoroundecanoic acid (PFUnA)	ND		33.1	31.4		ng/L		95	40 - 160
Perfluorododecanoic acid (PFDoA)	ND		33.1	32.8		ng/L		99	40 - 160
Perfluorotridecanoic acid (PFTriA)	ND		33.1	32.2		ng/L		97	40 - 160
Perfluorotetradecanoic acid (PFTeA)	ND		33.1	34.1		ng/L		103	40 - 160
Perfluorobutanesulfonic acid (PFBS)	1.6		29.3	31.6		ng/L		102	40 - 160
Perfluorohexanesulfonic acid (PFHxS)	ND		30.1	28.8		ng/L		96	40 - 160
Perfluoroheptanesulfonic Acid (PFHpS)	ND		31.5	30.9		ng/L		98	40 - 160
Perfluorooctanesulfonic acid (PFOS)	1.6		30.7	29.7		ng/L		92	40 - 160
Perfluorodecanesulfonic acid (PFDS)	ND		31.9	22.4		ng/L		70	40 - 160
Perfluorooctanesulfonamide (PFOSA)	ND		33.1	31.6		ng/L		96	40 - 160
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		33.1	27.8		ng/L		84	40 - 160
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		33.1	31.4		ng/L		95	40 - 160

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-176533-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 480-176533-28 MS

Matrix: Water

Analysis Batch: 160330

Client Sample ID: RW-1

Prep Type: Total/NA

Prep Batch: 160291

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		31.4	29.5		ng/L		94	40 - 160
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		31.7	32.8		ng/L		103	40 - 160
Isotope Dilution	MS %Recovery	MS Qualifier	Limits						
18O2 PFHxS	108		50 - 150						
13C4 PFHpA	112		50 - 150						
13C4 PFOA	105		50 - 150						
13C4 PFOS	110		50 - 150						
13C5 PFNA	100		50 - 150						
13C4 PFBA	118		25 - 150						
13C2 PFHxA	117		50 - 150						
13C2 PFDA	95		50 - 150						
13C2 PFUnA	80		50 - 150						
13C2 PFDoA	65		50 - 150						
13C8 FOSA	91		25 - 150						
13C5 PFPeA	119		25 - 150						
13C2 PFTeDA	70		50 - 150						
d3-NMeFOSAA	77		50 - 150						
d5-NEtFOSAA	79		50 - 150						
M2-6:2 FTS	110		25 - 150						
M2-8:2 FTS	95		25 - 150						
13C3 PFBS	108		50 - 150						

Lab Sample ID: 480-176533-28 MSD

Matrix: Water

Analysis Batch: 160330

Client Sample ID: RW-1

Prep Type: Total/NA

Prep Batch: 160291

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	ND		33.2	31.7		ng/L		95	40 - 160	3	30
Perfluoropentanoic acid (PFPeA)	ND		33.2	31.1		ng/L		93	40 - 160	1	30
Perfluorohexanoic acid (PFHxA)	ND		33.2	32.0		ng/L		96	40 - 160	2	20
Perfluoroheptanoic acid (PFHpA)	ND		33.2	32.8		ng/L		99	40 - 160	1	20
Perfluorooctanoic acid (PFOA)	0.95 J		33.2	33.8		ng/L		99	40 - 160	0	20
Perfluorononanoic acid (PFNA)	ND		33.2	33.5		ng/L		101	40 - 160	2	20
Perfluorodecanoic acid (PFDA)	ND		33.2	33.4		ng/L		101	40 - 160	9	20
Perfluoroundecanoic acid (PFUnA)	ND		33.2	31.7		ng/L		95	40 - 160	1	20
Perfluorododecanoic acid (PFDoA)	ND		33.2	35.1		ng/L		106	40 - 160	7	20
Perfluorotridecanoic acid (PFTriA)	ND		33.2	34.2		ng/L		103	40 - 160	6	20
Perfluorotetradecanoic acid (PFTeA)	ND		33.2	34.0		ng/L		102	40 - 160	0	20
Perfluorobutanesulfonic acid (PFBS)	1.6		29.4	30.8		ng/L		99	40 - 160	3	20
Perfluorohexanesulfonic acid (PFHxS)	ND		30.3	28.3		ng/L		94	40 - 160	2	20
Perfluoroheptanesulfonic Acid (PFHpS)	ND		31.6	32.4		ng/L		102	40 - 160	5	30

Eurofins TestAmerica, Buffalo

QC Sample Results

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

Job ID: 480-176533-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 480-176533-28 MSD

Matrix: Water

Analysis Batch: 160330

Client Sample ID: RW-1

Prep Type: Total/NA

Prep Batch: 160291

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorooctanesulfonic acid (PFOS)	1.6		30.9	30.3		ng/L		93	40 - 160	2	20
Perfluorodecanesulfonic acid (PFDS)	ND		32.0	21.7		ng/L		68	40 - 160	3	30
Perfluorooctanesulfonamide (PFOSA)	ND		33.2	33.7		ng/L		101	40 - 160	6	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		33.2	31.9		ng/L		96	40 - 160	14	20
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		33.2	36.6		ng/L		110	40 - 160	15	20
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	ND		31.5	32.6		ng/L		103	40 - 160	10	30
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	ND		31.8	31.2		ng/L		98	40 - 160	5	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
18O2 PFHxS	112		50 - 150
13C4 PFHpA	111		50 - 150
13C4 PFOA	101		50 - 150
13C4 PFOS	106		50 - 150
13C5 PFNA	98		50 - 150
13C4 PFBA	116		25 - 150
13C2 PFHxA	114		50 - 150
13C2 PFDA	82		50 - 150
13C2 PFUnA	73		50 - 150
13C2 PFDoA	56		50 - 150
13C8 FOSA	85		25 - 150
13C5 PFPeA	117		25 - 150
13C2 PFTeDA	66		50 - 150
d3-NMeFOSAA	74		50 - 150
d5-NEtFOSAA	66		50 - 150
M2-6:2 FTS	99		25 - 150
M2-8:2 FTS	92		25 - 150
13C3 PFBS	109		50 - 150

QC Association Summary

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

Job ID: 480-176533-1

GC/MS VOA

Analysis Batch: 554504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-176533-14	TW-6D	Total/NA	Water	8260C	
480-176533-15	TW-7S	Total/NA	Water	8260C	
480-176533-16	TW-7I	Total/NA	Water	8260C	
480-176533-17	TW-7D	Total/NA	Water	8260C	
480-176533-18	TW-9I	Total/NA	Water	8260C	
480-176533-19	TW-9D	Total/NA	Water	8260C	
480-176533-20	TW-10D	Total/NA	Water	8260C	
480-176533-21	TW-12I	Total/NA	Water	8260C	
480-176533-22	TW-12D	Total/NA	Water	8260C	
480-176533-23	TW-14S	Total/NA	Water	8260C	
480-176533-24	TW-14I	Total/NA	Water	8260C	
480-176533-25	TW-14D	Total/NA	Water	8260C	
480-176533-26	TW-15	Total/NA	Water	8260C	
480-176533-27	TW-X-DUP	Total/NA	Water	8260C	
480-176533-28	RW-1	Total/NA	Water	8260C	
480-176533-29	RW-2	Total/NA	Water	8260C	
480-176533-30	EFF-46HZ	Total/NA	Water	8260C	
480-176533-31	FIELD BLANK	Total/NA	Water	8260C	
MB 480-554504/8	Method Blank	Total/NA	Water	8260C	
LCS 480-554504/6	Lab Control Sample	Total/NA	Water	8260C	
480-176533-28 MS	RW-1	Total/NA	Water	8260C	
480-176533-28 MSD	RW-1	Total/NA	Water	8260C	

Analysis Batch: 554624

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-176533-1	TW-1	Total/NA	Water	8260C	
480-176533-2	TW-2S	Total/NA	Water	8260C	
480-176533-3	TW-2I	Total/NA	Water	8260C	
480-176533-4	TW-2D	Total/NA	Water	8260C	
480-176533-5	TW-3S	Total/NA	Water	8260C	
480-176533-6	TW-3I	Total/NA	Water	8260C	
480-176533-7	TW-3D	Total/NA	Water	8260C	
480-176533-8	TW-4I	Total/NA	Water	8260C	
480-176533-9	TW-5S	Total/NA	Water	8260C	
480-176533-10	TW-5I	Total/NA	Water	8260C	
480-176533-11	TW-5D	Total/NA	Water	8260C	
480-176533-12	TW-6S	Total/NA	Water	8260C	
480-176533-13	TW-6I	Total/NA	Water	8260C	
MB 480-554624/7	Method Blank	Total/NA	Water	8260C	
LCS 480-554624/5	Lab Control Sample	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 554486

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-176533-1	TW-1	Total/NA	Water	3510C	
480-176533-2	TW-2S	Total/NA	Water	3510C	
480-176533-3	TW-2I	Total/NA	Water	3510C	
480-176533-4	TW-2D	Total/NA	Water	3510C	
480-176533-5	TW-3S	Total/NA	Water	3510C	
480-176533-6	TW-3I	Total/NA	Water	3510C	

Eurofins TestAmerica, Buffalo

QC Association Summary

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

Job ID: 480-176533-1

GC/MS Semi VOA (Continued)

Prep Batch: 554486 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-176533-7	TW-3D	Total/NA	Water	3510C	
480-176533-8	TW-4I	Total/NA	Water	3510C	
480-176533-9	TW-5S	Total/NA	Water	3510C	
480-176533-10	TW-5I	Total/NA	Water	3510C	
480-176533-11	TW-5D	Total/NA	Water	3510C	
480-176533-12	TW-6S	Total/NA	Water	3510C	
480-176533-13	TW-6I	Total/NA	Water	3510C	
480-176533-14	TW-6D	Total/NA	Water	3510C	
480-176533-15	TW-7S	Total/NA	Water	3510C	
480-176533-16	TW-7I	Total/NA	Water	3510C	
480-176533-17	TW-7D	Total/NA	Water	3510C	
480-176533-18	TW-9I	Total/NA	Water	3510C	
480-176533-19	TW-9D	Total/NA	Water	3510C	
480-176533-20	TW-10D	Total/NA	Water	3510C	
MB 480-554486/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-554486/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-554486/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 554487

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-176533-21	TW-12I	Total/NA	Water	3510C	
480-176533-22	TW-12D	Total/NA	Water	3510C	
480-176533-23	TW-14S	Total/NA	Water	3510C	
480-176533-24	TW-14I	Total/NA	Water	3510C	
480-176533-25	TW-14D	Total/NA	Water	3510C	
480-176533-26	TW-15	Total/NA	Water	3510C	
480-176533-27	TW-X-DUP	Total/NA	Water	3510C	
480-176533-28	RW-1	Total/NA	Water	3510C	
480-176533-29	RW-2	Total/NA	Water	3510C	
480-176533-30	EFF-46HZ	Total/NA	Water	3510C	
480-176533-31	FIELD BLANK	Total/NA	Water	3510C	
MB 480-554487/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-554487/2-A	Lab Control Sample	Total/NA	Water	3510C	
480-176533-28 MS	RW-1	Total/NA	Water	3510C	
480-176533-28 MSD	RW-1	Total/NA	Water	3510C	

Analysis Batch: 555321

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-176533-1	TW-1	Total/NA	Water	8270D SIM ID	554486
480-176533-2	TW-2S	Total/NA	Water	8270D SIM ID	554486
480-176533-3	TW-2I	Total/NA	Water	8270D SIM ID	554486
480-176533-4	TW-2D	Total/NA	Water	8270D SIM ID	554486
480-176533-5	TW-3S	Total/NA	Water	8270D SIM ID	554486
480-176533-6	TW-3I	Total/NA	Water	8270D SIM ID	554486
480-176533-7	TW-3D	Total/NA	Water	8270D SIM ID	554486
480-176533-8	TW-4I	Total/NA	Water	8270D SIM ID	554486
480-176533-9	TW-5S	Total/NA	Water	8270D SIM ID	554486
480-176533-10	TW-5I	Total/NA	Water	8270D SIM ID	554486
MB 480-554486/1-A	Method Blank	Total/NA	Water	8270D SIM ID	554486
LCS 480-554486/2-A	Lab Control Sample	Total/NA	Water	8270D SIM ID	554486
LCSD 480-554486/3-A	Lab Control Sample Dup	Total/NA	Water	8270D SIM ID	554486

Eurofins TestAmerica, Buffalo

QC Association Summary

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

Job ID: 480-176533-1

GC/MS Semi VOA

Analysis Batch: 555322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-176533-11	TW-5D	Total/NA	Water	8270D SIM ID	554486
480-176533-12	TW-6S	Total/NA	Water	8270D SIM ID	554486
480-176533-13	TW-6I	Total/NA	Water	8270D SIM ID	554486
480-176533-14	TW-6D	Total/NA	Water	8270D SIM ID	554486
480-176533-15	TW-7S	Total/NA	Water	8270D SIM ID	554486
480-176533-16	TW-7I	Total/NA	Water	8270D SIM ID	554486
480-176533-17	TW-7D	Total/NA	Water	8270D SIM ID	554486
480-176533-18	TW-9I	Total/NA	Water	8270D SIM ID	554486
480-176533-19	TW-9D	Total/NA	Water	8270D SIM ID	554486
480-176533-20	TW-10D	Total/NA	Water	8270D SIM ID	554486

Analysis Batch: 555460

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-176533-21	TW-12I	Total/NA	Water	8270D SIM ID	554487
480-176533-22	TW-12D	Total/NA	Water	8270D SIM ID	554487
480-176533-23	TW-14S	Total/NA	Water	8270D SIM ID	554487
480-176533-24	TW-14I	Total/NA	Water	8270D SIM ID	554487
480-176533-25	TW-14D	Total/NA	Water	8270D SIM ID	554487
480-176533-26	TW-15	Total/NA	Water	8270D SIM ID	554487
480-176533-27	TW-X-DUP	Total/NA	Water	8270D SIM ID	554487
480-176533-28	RW-1	Total/NA	Water	8270D SIM ID	554487
480-176533-29	RW-2	Total/NA	Water	8270D SIM ID	554487
480-176533-30	EFF-46HZ	Total/NA	Water	8270D SIM ID	554487
480-176533-31	FIELD BLANK	Total/NA	Water	8270D SIM ID	554487
MB 480-554487/1-A	Method Blank	Total/NA	Water	8270D SIM ID	554487
LCS 480-554487/2-A	Lab Control Sample	Total/NA	Water	8270D SIM ID	554487
480-176533-28 MS	RW-1	Total/NA	Water	8270D SIM ID	554487
480-176533-28 MSD	RW-1	Total/NA	Water	8270D SIM ID	554487

LCMS

Prep Batch: 160233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-176533-1	TW-1	Total/NA	Water	3535	
480-176533-2	TW-2S	Total/NA	Water	3535	
480-176533-3	TW-2I	Total/NA	Water	3535	
480-176533-4	TW-2D	Total/NA	Water	3535	
480-176533-5	TW-3S	Total/NA	Water	3535	
480-176533-6	TW-3I	Total/NA	Water	3535	
480-176533-7	TW-3D	Total/NA	Water	3535	
480-176533-8	TW-4I	Total/NA	Water	3535	
480-176533-9	TW-5S	Total/NA	Water	3535	
480-176533-10	TW-5I	Total/NA	Water	3535	
480-176533-11	TW-5D	Total/NA	Water	3535	
480-176533-12	TW-6S	Total/NA	Water	3535	
480-176533-13	TW-6I	Total/NA	Water	3535	
480-176533-14	TW-6D	Total/NA	Water	3535	
480-176533-15	TW-7S	Total/NA	Water	3535	
480-176533-16	TW-7I	Total/NA	Water	3535	
480-176533-17	TW-7D	Total/NA	Water	3535	
480-176533-18	TW-9I	Total/NA	Water	3535	

Eurofins TestAmerica, Buffalo

QC Association Summary

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

Job ID: 480-176533-1

LCMS (Continued)

Prep Batch: 160233 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-176533-19	TW-9D	Total/NA	Water	3535	
480-176533-20	TW-10D	Total/NA	Water	3535	
MB 200-160233/1-A	Method Blank	Total/NA	Water	3535	
LCS 200-160233/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 200-160233/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

Prep Batch: 160291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-176533-21	TW-12I	Total/NA	Water	3535	
480-176533-22	TW-12D	Total/NA	Water	3535	
480-176533-23	TW-14S	Total/NA	Water	3535	
480-176533-24	TW-14I	Total/NA	Water	3535	
480-176533-25	TW-14D	Total/NA	Water	3535	
480-176533-26	TW-15	Total/NA	Water	3535	
480-176533-27	TW-X-DUP	Total/NA	Water	3535	
480-176533-28	RW-1	Total/NA	Water	3535	
480-176533-29	RW-2	Total/NA	Water	3535	
480-176533-30	EFF-46HZ	Total/NA	Water	3535	
480-176533-31	FIELD BLANK	Total/NA	Water	3535	
MB 200-160291/1-A	Method Blank	Total/NA	Water	3535	
LCS 200-160291/2-A	Lab Control Sample	Total/NA	Water	3535	
480-176533-28 MS	RW-1	Total/NA	Water	3535	
480-176533-28 MSD	RW-1	Total/NA	Water	3535	

Analysis Batch: 160292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-176533-1	TW-1	Total/NA	Water	537 (modified)	160233
480-176533-2	TW-2S	Total/NA	Water	537 (modified)	160233
480-176533-3	TW-2I	Total/NA	Water	537 (modified)	160233
480-176533-4	TW-2D	Total/NA	Water	537 (modified)	160233
480-176533-5	TW-3S	Total/NA	Water	537 (modified)	160233
480-176533-6	TW-3I	Total/NA	Water	537 (modified)	160233
480-176533-7	TW-3D	Total/NA	Water	537 (modified)	160233
480-176533-8	TW-4I	Total/NA	Water	537 (modified)	160233
480-176533-9	TW-5S	Total/NA	Water	537 (modified)	160233
480-176533-10	TW-5I	Total/NA	Water	537 (modified)	160233
480-176533-11	TW-5D	Total/NA	Water	537 (modified)	160233
480-176533-12	TW-6S	Total/NA	Water	537 (modified)	160233
480-176533-13	TW-6I	Total/NA	Water	537 (modified)	160233
480-176533-14	TW-6D	Total/NA	Water	537 (modified)	160233
480-176533-15	TW-7S	Total/NA	Water	537 (modified)	160233
480-176533-16	TW-7I	Total/NA	Water	537 (modified)	160233
480-176533-17	TW-7D	Total/NA	Water	537 (modified)	160233
480-176533-18	TW-9I	Total/NA	Water	537 (modified)	160233
480-176533-19	TW-9D	Total/NA	Water	537 (modified)	160233
480-176533-20	TW-10D	Total/NA	Water	537 (modified)	160233
MB 200-160233/1-A	Method Blank	Total/NA	Water	537 (modified)	160233
LCS 200-160233/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	160233
LCSD 200-160233/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	160233

QC Association Summary

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

Job ID: 480-176533-1

LCMS

Analysis Batch: 160330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-176533-21	TW-12I	Total/NA	Water	537 (modified)	160291
480-176533-22	TW-12D	Total/NA	Water	537 (modified)	160291
480-176533-23	TW-14S	Total/NA	Water	537 (modified)	160291
480-176533-24	TW-14I	Total/NA	Water	537 (modified)	160291
480-176533-25	TW-14D	Total/NA	Water	537 (modified)	160291
480-176533-26	TW-15	Total/NA	Water	537 (modified)	160291
480-176533-27	TW-X-DUP	Total/NA	Water	537 (modified)	160291
480-176533-28	RW-1	Total/NA	Water	537 (modified)	160291
480-176533-29	RW-2	Total/NA	Water	537 (modified)	160291
480-176533-30	EFF-46HZ	Total/NA	Water	537 (modified)	160291
480-176533-31	FIELD BLANK	Total/NA	Water	537 (modified)	160291
MB 200-160291/1-A	Method Blank	Total/NA	Water	537 (modified)	160291
LCS 200-160291/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	160291
480-176533-28 MS	RW-1	Total/NA	Water	537 (modified)	160291
480-176533-28 MSD	RW-1	Total/NA	Water	537 (modified)	160291

Lab Chronicle

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

Job ID: 480-176533-1

Client Sample ID: TW-1

Lab Sample ID: 480-176533-1

Date Collected: 10/13/20 13:20

Matrix: Water

Date Received: 10/15/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	554624	10/19/20 21:44	RJF	TAL BUF
Total/NA	Prep	3510C			554486	10/18/20 08:36	JMP	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	555321	10/23/20 00:44	PJQ	TAL BUF
Total/NA	Prep	3535			160233	10/21/20 14:00	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	160292	10/22/20 11:01	BWC	TAL BUR

Client Sample ID: TW-2S

Lab Sample ID: 480-176533-2

Date Collected: 10/13/20 14:45

Matrix: Water

Date Received: 10/15/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	554624	10/19/20 22:08	RJF	TAL BUF
Total/NA	Prep	3510C			554486	10/18/20 08:36	JMP	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	555321	10/23/20 01:08	PJQ	TAL BUF
Total/NA	Prep	3535			160233	10/21/20 14:00	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	160292	10/22/20 11:09	BWC	TAL BUR

Client Sample ID: TW-2I

Lab Sample ID: 480-176533-3

Date Collected: 10/13/20 16:20

Matrix: Water

Date Received: 10/15/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	554624	10/19/20 22:33	RJF	TAL BUF
Total/NA	Prep	3510C			554486	10/18/20 08:36	JMP	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	555321	10/23/20 01:31	PJQ	TAL BUF
Total/NA	Prep	3535			160233	10/21/20 14:00	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	160292	10/22/20 11:18	BWC	TAL BUR

Client Sample ID: TW-2D

Lab Sample ID: 480-176533-4

Date Collected: 10/13/20 15:30

Matrix: Water

Date Received: 10/15/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	554624	10/19/20 22:57	RJF	TAL BUF
Total/NA	Prep	3510C			554486	10/18/20 08:36	JMP	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	555321	10/23/20 01:55	PJQ	TAL BUF
Total/NA	Prep	3535			160233	10/21/20 14:00	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	160292	10/22/20 11:26	BWC	TAL BUR

Client Sample ID: TW-3S

Lab Sample ID: 480-176533-5

Date Collected: 10/14/20 10:30

Matrix: Water

Date Received: 10/15/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	554624	10/19/20 23:20	RJF	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

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

Job ID: 480-176533-1

Client Sample ID: TW-3S

Date Collected: 10/14/20 10:30

Date Received: 10/15/20 08:00

Lab Sample ID: 480-176533-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			554486	10/18/20 08:36	JMP	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	555321	10/23/20 02:19	PJQ	TAL BUF
Total/NA	Prep	3535			160233	10/21/20 14:00	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	160292	10/22/20 11:34	BWC	TAL BUR

Client Sample ID: TW-3I

Date Collected: 10/14/20 09:25

Date Received: 10/15/20 08:00

Lab Sample ID: 480-176533-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	554624	10/19/20 23:44	RJF	TAL BUF
Total/NA	Prep	3510C			554486	10/18/20 08:36	JMP	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	555321	10/23/20 02:42	PJQ	TAL BUF
Total/NA	Prep	3535			160233	10/21/20 14:00	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	160292	10/22/20 11:43	BWC	TAL BUR

Client Sample ID: TW-3D

Date Collected: 10/14/20 11:20

Date Received: 10/15/20 08:00

Lab Sample ID: 480-176533-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	554624	10/20/20 00:08	RJF	TAL BUF
Total/NA	Prep	3510C			554486	10/18/20 08:36	JMP	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	555321	10/23/20 03:06	PJQ	TAL BUF
Total/NA	Prep	3535			160233	10/21/20 14:00	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	160292	10/22/20 11:51	BWC	TAL BUR

Client Sample ID: TW-4I

Date Collected: 10/13/20 14:20

Date Received: 10/15/20 08:00

Lab Sample ID: 480-176533-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	554624	10/20/20 00:33	RJF	TAL BUF
Total/NA	Prep	3510C			554486	10/18/20 08:36	JMP	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	555321	10/23/20 03:29	PJQ	TAL BUF
Total/NA	Prep	3535			160233	10/21/20 14:00	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	160292	10/22/20 11:59	BWC	TAL BUR

Client Sample ID: TW-5S

Date Collected: 10/13/20 09:35

Date Received: 10/15/20 08:00

Lab Sample ID: 480-176533-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	554624	10/20/20 00:57	RJF	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

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

Job ID: 480-176533-1

Client Sample ID: TW-5S

Lab Sample ID: 480-176533-9

Date Collected: 10/13/20 09:35

Matrix: Water

Date Received: 10/15/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			554486	10/18/20 08:36	JMP	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	555321	10/23/20 03:53	PJQ	TAL BUF
Total/NA	Prep	3535			160233	10/21/20 14:00	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	160292	10/22/20 12:07	BWC	TAL BUR

Client Sample ID: TW-5I

Lab Sample ID: 480-176533-10

Date Collected: 10/12/20 17:20

Matrix: Water

Date Received: 10/15/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	554624	10/20/20 01:21	RJF	TAL BUF
Total/NA	Prep	3510C			554486	10/18/20 08:36	JMP	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	555321	10/23/20 04:16	PJQ	TAL BUF
Total/NA	Prep	3535			160233	10/21/20 14:00	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	160292	10/22/20 12:16	BWC	TAL BUR

Client Sample ID: TW-5D

Lab Sample ID: 480-176533-11

Date Collected: 10/12/20 16:00

Matrix: Water

Date Received: 10/15/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	554624	10/20/20 01:44	RJF	TAL BUF
Total/NA	Prep	3510C			554486	10/18/20 08:36	JMP	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	555322	10/23/20 05:59	RJS	TAL BUF
Total/NA	Prep	3535			160233	10/21/20 14:00	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	160292	10/22/20 12:32	BWC	TAL BUR

Client Sample ID: TW-6S

Lab Sample ID: 480-176533-12

Date Collected: 10/12/20 15:35

Matrix: Water

Date Received: 10/15/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	554624	10/20/20 02:09	RJF	TAL BUF
Total/NA	Prep	3510C			554486	10/18/20 08:36	JMP	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	555322	10/23/20 06:22	RJS	TAL BUF
Total/NA	Prep	3535			160233	10/21/20 14:00	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	160292	10/22/20 12:41	BWC	TAL BUR

Client Sample ID: TW-6I

Lab Sample ID: 480-176533-13

Date Collected: 10/12/20 17:40

Matrix: Water

Date Received: 10/15/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	554624	10/20/20 02:33	RJF	TAL BUF

Lab Chronicle

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

Job ID: 480-176533-1

Client Sample ID: TW-6I

Lab Sample ID: 480-176533-13

Date Collected: 10/12/20 17:40

Matrix: Water

Date Received: 10/15/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			554486	10/18/20 08:36	JMP	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	555322	10/23/20 06:46	RJS	TAL BUF
Total/NA	Prep	3535			160233	10/21/20 14:00	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	160292	10/22/20 12:49	BWC	TAL BUR

Client Sample ID: TW-6D

Lab Sample ID: 480-176533-14

Date Collected: 10/12/20 16:55

Matrix: Water

Date Received: 10/15/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	554504	10/18/20 22:15	AMM	TAL BUF
Total/NA	Prep	3510C			554486	10/18/20 08:36	JMP	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	555322	10/23/20 07:09	RJS	TAL BUF
Total/NA	Prep	3535			160233	10/21/20 14:00	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	160292	10/22/20 12:57	BWC	TAL BUR

Client Sample ID: TW-7S

Lab Sample ID: 480-176533-15

Date Collected: 10/12/20 14:20

Matrix: Water

Date Received: 10/15/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	554504	10/18/20 22:38	AMM	TAL BUF
Total/NA	Prep	3510C			554486	10/18/20 08:36	JMP	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	555322	10/23/20 07:33	RJS	TAL BUF
Total/NA	Prep	3535			160233	10/21/20 14:00	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	160292	10/22/20 13:05	BWC	TAL BUR

Client Sample ID: TW-7I

Lab Sample ID: 480-176533-16

Date Collected: 10/12/20 13:05

Matrix: Water

Date Received: 10/15/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	554504	10/18/20 23:00	AMM	TAL BUF
Total/NA	Prep	3510C			554486	10/18/20 08:36	JMP	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	555322	10/23/20 07:56	RJS	TAL BUF
Total/NA	Prep	3535			160233	10/21/20 14:00	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	160292	10/22/20 13:14	BWC	TAL BUR

Client Sample ID: TW-7D

Lab Sample ID: 480-176533-17

Date Collected: 10/12/20 11:15

Matrix: Water

Date Received: 10/15/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	554504	10/18/20 23:23	AMM	TAL BUF

Lab Chronicle

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

Job ID: 480-176533-1

Client Sample ID: TW-7D

Date Collected: 10/12/20 11:15

Date Received: 10/15/20 08:00

Lab Sample ID: 480-176533-17

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			554486	10/18/20 08:36	JMP	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	555322	10/23/20 08:19	RJS	TAL BUF
Total/NA	Prep	3535			160233	10/21/20 14:00	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	160292	10/22/20 13:22	BWC	TAL BUR

Client Sample ID: TW-9I

Date Collected: 10/13/20 11:30

Date Received: 10/15/20 08:00

Lab Sample ID: 480-176533-18

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	554504	10/18/20 23:46	AMM	TAL BUF
Total/NA	Prep	3510C			554486	10/18/20 08:36	JMP	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	555322	10/23/20 08:43	RJS	TAL BUF
Total/NA	Prep	3535			160233	10/21/20 14:00	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	160292	10/22/20 13:30	BWC	TAL BUR

Client Sample ID: TW-9D

Date Collected: 10/13/20 12:45

Date Received: 10/15/20 08:00

Lab Sample ID: 480-176533-19

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	554504	10/19/20 00:09	AMM	TAL BUF
Total/NA	Prep	3510C			554486	10/18/20 08:36	JMP	TAL BUF
Total/NA	Analysis	8270D SIM ID		10	555322	10/23/20 09:06	RJS	TAL BUF
Total/NA	Prep	3535			160233	10/21/20 14:00	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	160292	10/22/20 13:39	BWC	TAL BUR

Client Sample ID: TW-10D

Date Collected: 10/12/20 09:35

Date Received: 10/15/20 08:00

Lab Sample ID: 480-176533-20

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	554504	10/19/20 00:32	AMM	TAL BUF
Total/NA	Prep	3510C			554486	10/18/20 08:36	JMP	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	555322	10/23/20 09:30	RJS	TAL BUF
Total/NA	Prep	3535			160233	10/21/20 14:00	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	160292	10/22/20 13:47	BWC	TAL BUR

Client Sample ID: TW-12I

Date Collected: 10/12/20 13:20

Date Received: 10/15/20 08:00

Lab Sample ID: 480-176533-21

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	554504	10/19/20 00:55	AMM	TAL BUF

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Lab Chronicle

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

Job ID: 480-176533-1

Client Sample ID: TW-12I

Lab Sample ID: 480-176533-21

Date Collected: 10/12/20 13:20

Matrix: Water

Date Received: 10/15/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			554487	10/18/20 08:56	JMP	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	555460	10/23/20 19:06	RJS	TAL BUF
Total/NA	Prep	3535			160291	10/22/20 15:00	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	160330	10/22/20 19:43	ND	TAL BUR

Client Sample ID: TW-12D

Lab Sample ID: 480-176533-22

Date Collected: 10/12/20 12:20

Matrix: Water

Date Received: 10/15/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	554504	10/19/20 01:18	AMM	TAL BUF
Total/NA	Prep	3510C			554487	10/18/20 08:56	JMP	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	555460	10/23/20 19:30	RJS	TAL BUF
Total/NA	Prep	3535			160291	10/22/20 15:00	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	160330	10/22/20 19:51	ND	TAL BUR

Client Sample ID: TW-14S

Lab Sample ID: 480-176533-23

Date Collected: 10/14/20 09:10

Matrix: Water

Date Received: 10/15/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	554504	10/19/20 01:41	AMM	TAL BUF
Total/NA	Prep	3510C			554487	10/18/20 08:56	JMP	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	555460	10/23/20 19:53	RJS	TAL BUF
Total/NA	Prep	3535			160291	10/22/20 15:00	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	160330	10/22/20 20:00	ND	TAL BUR

Client Sample ID: TW-14I

Lab Sample ID: 480-176533-24

Date Collected: 10/13/20 15:40

Matrix: Water

Date Received: 10/15/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	554504	10/19/20 02:04	AMM	TAL BUF
Total/NA	Prep	3510C			554487	10/18/20 08:56	JMP	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	555460	10/23/20 20:17	RJS	TAL BUF
Total/NA	Prep	3535			160291	10/22/20 15:00	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	160330	10/22/20 20:08	ND	TAL BUR

Client Sample ID: TW-14D

Lab Sample ID: 480-176533-25

Date Collected: 10/14/20 10:15

Matrix: Water

Date Received: 10/15/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	554504	10/19/20 02:27	AMM	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

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

Job ID: 480-176533-1

Client Sample ID: TW-14D

Lab Sample ID: 480-176533-25

Date Collected: 10/14/20 10:15

Matrix: Water

Date Received: 10/15/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			554487	10/18/20 08:56	JMP	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	555460	10/23/20 20:40	RJS	TAL BUF
Total/NA	Prep	3535			160291	10/22/20 15:00	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	160330	10/22/20 20:16	ND	TAL BUR

Client Sample ID: TW-15

Lab Sample ID: 480-176533-26

Date Collected: 10/13/20 11:05

Matrix: Water

Date Received: 10/15/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	554504	10/19/20 02:50	AMM	TAL BUF
Total/NA	Prep	3510C			554487	10/18/20 08:56	JMP	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	555460	10/23/20 21:04	RJS	TAL BUF
Total/NA	Prep	3535			160291	10/22/20 15:00	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	160330	10/22/20 20:25	ND	TAL BUR

Client Sample ID: TW-X-DUP

Lab Sample ID: 480-176533-27

Date Collected: 10/13/20 00:00

Matrix: Water

Date Received: 10/15/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	554504	10/19/20 03:13	AMM	TAL BUF
Total/NA	Prep	3510C			554487	10/18/20 08:56	JMP	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	555460	10/23/20 21:27	RJS	TAL BUF
Total/NA	Prep	3535			160291	10/22/20 15:00	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	160330	10/22/20 20:33	ND	TAL BUR

Client Sample ID: RW-1

Lab Sample ID: 480-176533-28

Date Collected: 10/13/20 17:45

Matrix: Water

Date Received: 10/15/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	554504	10/19/20 03:35	AMM	TAL BUF
Total/NA	Prep	3510C			554487	10/18/20 08:56	JMP	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	555460	10/23/20 18:43	RJS	TAL BUF
Total/NA	Prep	3535			160291	10/22/20 15:00	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	160330	10/22/20 20:41	ND	TAL BUR

Client Sample ID: RW-2

Lab Sample ID: 480-176533-29

Date Collected: 10/13/20 18:00

Matrix: Water

Date Received: 10/15/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	554504	10/19/20 03:59	AMM	TAL BUF

Lab Chronicle

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

Job ID: 480-176533-1

Client Sample ID: RW-2

Date Collected: 10/13/20 18:00

Date Received: 10/15/20 08:00

Lab Sample ID: 480-176533-29

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			554487	10/18/20 08:56	JMP	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	555460	10/23/20 21:51	RJS	TAL BUF
Total/NA	Prep	3535			160291	10/22/20 15:00	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	160330	10/22/20 21:06	ND	TAL BUR

Client Sample ID: EFF-46HZ

Date Collected: 10/13/20 18:15

Date Received: 10/15/20 08:00

Lab Sample ID: 480-176533-30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	554504	10/19/20 04:22	AMM	TAL BUF
Total/NA	Prep	3510C			554487	10/18/20 08:56	JMP	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	555460	10/23/20 22:14	RJS	TAL BUF
Total/NA	Prep	3535			160291	10/22/20 15:00	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	160330	10/22/20 21:23	ND	TAL BUR

Client Sample ID: FIELD BLANK

Date Collected: 10/13/20 18:30

Date Received: 10/15/20 08:00

Lab Sample ID: 480-176533-31

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	554504	10/19/20 04:45	AMM	TAL BUF
Total/NA	Prep	3510C			554487	10/18/20 08:56	JMP	TAL BUF
Total/NA	Analysis	8270D SIM ID		1	555460	10/23/20 22:37	RJS	TAL BUF
Total/NA	Prep	3535			160291	10/22/20 15:00	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	160330	10/22/20 21:31	ND	TAL BUR

Laboratory References:

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

TAL BUR = Eurofins TestAmerica, Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Accreditation/Certification Summary

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

Job ID: 480-176533-1

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

Laboratory: Eurofins TestAmerica, Burlington

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10391	04-01-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
537 (modified)	3535	Water	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)
537 (modified)	3535	Water	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)
537 (modified)	3535	Water	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)
537 (modified)	3535	Water	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)
537 (modified)	3535	Water	Perfluorobutanesulfonic acid (PFBS)
537 (modified)	3535	Water	Perfluorobutanoic acid (PFBA)
537 (modified)	3535	Water	Perfluorodecanesulfonic acid (PFDS)
537 (modified)	3535	Water	Perfluorodecanoic acid (PFDA)
537 (modified)	3535	Water	Perfluorododecanoic acid (PFDoA)
537 (modified)	3535	Water	Perfluoroheptanesulfonic Acid (PFHpS)
537 (modified)	3535	Water	Perfluoroheptanoic acid (PFHpA)
537 (modified)	3535	Water	Perfluorohexanesulfonic acid (PFHxS)
537 (modified)	3535	Water	Perfluorohexanoic acid (PFHxA)
537 (modified)	3535	Water	Perfluorononanoic acid (PFNA)
537 (modified)	3535	Water	Perfluorooctanesulfonamide (PFOSA)
537 (modified)	3535	Water	Perfluorooctanesulfonic acid (PFOS)
537 (modified)	3535	Water	Perfluorooctanoic acid (PFOA)
537 (modified)	3535	Water	Perfluoropentanoic acid (PFPeA)
537 (modified)	3535	Water	Perfluorotetradecanoic acid (PFTeA)
537 (modified)	3535	Water	Perfluorotridecanoic acid (PFTriA)
537 (modified)	3535	Water	Perfluoroundecanoic acid (PFUnA)

Method Summary

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

Job ID: 480-176533-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D SIM ID	Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)	SW846	TAL BUF
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL BUR
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
3535	Solid-Phase Extraction (SPE)	SW846	TAL BUR
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

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

TAL BUR = Eurofins TestAmerica, Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Sample Summary

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

Job ID: 480-176533-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-176533-1	TW-1	Water	10/13/20 13:20	10/15/20 08:00	
480-176533-2	TW-2S	Water	10/13/20 14:45	10/15/20 08:00	
480-176533-3	TW-2I	Water	10/13/20 16:20	10/15/20 08:00	
480-176533-4	TW-2D	Water	10/13/20 15:30	10/15/20 08:00	
480-176533-5	TW-3S	Water	10/14/20 10:30	10/15/20 08:00	
480-176533-6	TW-3I	Water	10/14/20 09:25	10/15/20 08:00	
480-176533-7	TW-3D	Water	10/14/20 11:20	10/15/20 08:00	
480-176533-8	TW-4I	Water	10/13/20 14:20	10/15/20 08:00	
480-176533-9	TW-5S	Water	10/13/20 09:35	10/15/20 08:00	
480-176533-10	TW-5I	Water	10/12/20 17:20	10/15/20 08:00	
480-176533-11	TW-5D	Water	10/12/20 16:00	10/15/20 08:00	
480-176533-12	TW-6S	Water	10/12/20 15:35	10/15/20 08:00	
480-176533-13	TW-6I	Water	10/12/20 17:40	10/15/20 08:00	
480-176533-14	TW-6D	Water	10/12/20 16:55	10/15/20 08:00	
480-176533-15	TW-7S	Water	10/12/20 14:20	10/15/20 08:00	
480-176533-16	TW-7I	Water	10/12/20 13:05	10/15/20 08:00	
480-176533-17	TW-7D	Water	10/12/20 11:15	10/15/20 08:00	
480-176533-18	TW-9I	Water	10/13/20 11:30	10/15/20 08:00	
480-176533-19	TW-9D	Water	10/13/20 12:45	10/15/20 08:00	
480-176533-20	TW-10D	Water	10/12/20 09:35	10/15/20 08:00	
480-176533-21	TW-12I	Water	10/12/20 13:20	10/15/20 08:00	
480-176533-22	TW-12D	Water	10/12/20 12:20	10/15/20 08:00	
480-176533-23	TW-14S	Water	10/14/20 09:10	10/15/20 08:00	
480-176533-24	TW-14I	Water	10/13/20 15:40	10/15/20 08:00	
480-176533-25	TW-14D	Water	10/14/20 10:15	10/15/20 08:00	
480-176533-26	TW-15	Water	10/13/20 11:05	10/15/20 08:00	
480-176533-27	TW-X-DUP	Water	10/13/20 00:00	10/15/20 08:00	
480-176533-28	RW-1	Water	10/13/20 17:45	10/15/20 08:00	
480-176533-29	RW-2	Water	10/13/20 18:00	10/15/20 08:00	
480-176533-30	EFF-46HZ	Water	10/13/20 18:15	10/15/20 08:00	
480-176533-31	FIELD BLANK	Water	10/13/20 18:30	10/15/20 08:00	

Chain of Custody Record

Syracuse #225

Client Information		Lab PM: Stone, Judy L		Carrier Tracking No(s): 480-151709-33717.1	
Client Contact: Jasmine Mullins		Phone: 716-245-4205		Page: Page 1 of 3	
Company: ARCADIS U.S. Inc		E-Mail: Judy.Stone@Eurofins.com		Job #:	
Address: 855 Route 146 Suite 210		City: Clifton Park		State: NY	
Zip: 12065		Phone: 518-402-9625(Tel)		Email: jasmine.mullins@arcadis.com	
Project Name: Gladding Corporation #709009		Project #: 48022018		Site: GARDING CORP	
Due Date Requested: STANDARD		TAT Requested (days): STANDARD		PO #: 518-402-9625(Tel)	
Callout ID: 135083		WO #:		Matrix: (W=water, S=solid, O=waste/oil, BT=tissue, A=air)	
Sample Date		Sample Time		Sample Type (C=comp, G=grab)	
Sample Identification		Preservation Code		Field Filtered Sample (Yes or No)	
TW-1		10/13/2020 1320		Water	
TW-2S		10/13/2020 1445		Water	
TW-2I		10/13/2020 1620		Water	
TW-2D		10/13/2020 1530		Water	
TW-3S		10/14/2020 1030		Water	
TW-3I		10/14/2020 0925		Water	
TW-3D		10/14/2020 1120		Water	
TW-4I		10/13/2020 1420		Water	
TW-5S		10/13/2020 0935		Water	
TW-5I		10/12/2020 1720		Water	
TW-5D		10/12/2020 1600		Water	
Possible Hazard Identification		Poison B		Radiological	
Non-Hazard		Flammable		Skin Irritant	
Deliverable Requested: I, II, III, IV, Other (specify)		CAT.B & NY DEC 6/1/15		Empty Kit Relinquished by:	
Relinquished by: [Signature]		Date: 10/14/2020		Company: ARCADIS	
Relinquished by: [Signature]		Date: 10/14/2020		Company: ESSVE	
Relinquished by: [Signature]		Date: 10/14/2020		Company: [Blank]	
Custody Seals Intact		Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: #1 27.3, 3.4, 3.0, 3.5, 3.3, 2.6, 2.8, 3.8	



Client Information Client Contact: <u>Jasmine Mullins</u> Company: <u>ARCADIS U.S. Inc</u> Address: <u>855 Route 146 Suite 210</u> City: <u>Clifton Park</u> State, Zip: <u>NY, 12065</u> Phone: <u>518-402-9625(Tel)</u> Email: <u>jasmine.mullins@arcadis.com</u> Project Name: <u>Gladding Corporation #709009</u> Site: <u>GLADDING CORP</u>		Lab PM: <u>Stone, Judy L</u> E-Mail: <u>Judy.Stone@Eurofins.com</u> Carrier Tracking No(s): COC No: <u>480-151709-33717.2</u> Page: <u>2 of 3</u> Job #:	
Analysis Requested Due Date Requested: <u>STANDARD</u> TAT Requested (days): <u>STANDARD</u> PO #: <u>STANDARD</u> Callout ID: <u>139083</u> WO #: <u>48022018</u> Project #: <u>48022018</u> SSOW#:		Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2SO3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4.5 L - EDA Z - other (specify) Other:	
Sample Identification Sample Date Sample Time Sample Type (C=Comp, G=Grab) Matrix (W=water, S=solid, O=other, A=Air)		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) PFC, IDA - PFA's, Standard List (21 analytes) 8260C - TCL list VOAs 8270D - SIM, MS, ID - 1,4-Dioxane Total Number of containers	
Sample Date Sample Time Sample Type (C=Comp, G=Grab) Matrix (W=water, S=solid, O=other, A=Air)		Special Instructions/Note:	
TW-6S TW-6I TW-6D TW-7S TW-7I TW-7D TW-9I TW-9D TW-10D TW-12I TW-12D		TW-6S TW-6I TW-6D TW-7S TW-7I TW-7D TW-9I TW-9D TW-10D TW-12I TW-12D	
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological Deliverable Requested: I, II, III, IV, Other (specify) <u>CAT.B & MSD & EQUIS</u>			
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months			
Special Instructions/QC Requirements:			
Empty Kit Relinquished by: <u>Jasmine Mullins</u> Date/Time: <u>10/14/2020 1335</u> Company: <u>ARCADIS</u>		Method of Shipment:	
Relinquished by: <u>Jasmine Mullins</u> Date/Time: <u>10/14/2020 1335</u> Company: <u>ARCADIS</u>		Received by: <u>Judy Stone</u> Date/Time: <u>10/15/2020 0800</u> Company: <u>LAB</u>	
Relinquished by: <u>Jasmine Mullins</u> Date/Time: <u>10/14/2020 1335</u> Company: <u>ARCADIS</u>		Received by: <u>Judy Stone</u> Date/Time: <u>10/15/2020 0800</u> Company: <u>LAB</u>	
Relinquished by: <u>Jasmine Mullins</u> Date/Time: <u>10/14/2020 1335</u> Company: <u>ARCADIS</u>		Received by: <u>Judy Stone</u> Date/Time: <u>10/15/2020 0800</u> Company: <u>LAB</u>	
Custody Seals Intact: Δ Yes Δ No		Cooler Temperature(s) °C and Other Remarks:	

Client Information Client Contact: Jasmine Mullins Company: ARCADIS U.S. Inc. Address: 855 Route 146 Suite 210 City: Clifton Park State, Zip: NY, 12065 Phone: 518-402-9625 (Tel) Email: jasmine.mullins@arcadis.com Project Name: Gladding Corporation #709009 Site: <u>GLADDING CORP</u>		Lab PM: Stone, Judy L E-Mail: Judy.Stone@Eurofins.com Carrier Tracking No(s): COC No: 480-151709-33717.3 Page: Page 3 of 4 Job #:	
Due Date Requested: STANDARD TAT Requested (days): STANDARD PO #: <u>139083</u> Callout ID: <u>139083</u> WO #: <u>48022018</u> Project #: <u>48022018</u> SOW#:		Analysis Requested Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Anchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO4 S - H2SO4 T - TSP Dodecalhydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
Sample Identification Sample Date Sample Time Sample Type (C=Comp, G=grab) Matrix (W=water, S=solid, O=wastefoil, BT=tissue, A=air)		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) PFC IDA - PFAS, Standard List (21 analytes) 8260C - TCL list VOAs 8270D - SIM, MS, ID - 1,4-Dioxane Total Number of containers	
TW-14S TW-14I TW-14D TW-15 TW-X-DUP RW-1 RW-1 MS RW-1MSD RW-2 EFF-45HZ - EFF-4642 FIELD BLANK		Special Instructions/Note: 7ms 7msd 7msd	
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological Deliverable Requested: I, II, III, IV, Other (specify) CAT.B & NYSDC EQUIS			
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months			
Special Instructions/QC Requirements:			
Empty Kit Relinquished by: <u>Jasmine Mullins</u> Relinquished by: <u>Jasmine Mullins</u> Relinquished by: <u>Jasmine Mullins</u>		Date: 10/14/2020 1335 Date: 10/14/2020 1400 Date: 10/14/2020 1400	
Relinquished by: <u>Jasmine Mullins</u> Relinquished by: <u>Jasmine Mullins</u> Relinquished by: <u>Jasmine Mullins</u>		Date: 10/14/2020 1335 Date: 10/14/2020 1400 Date: 10/14/2020 1400	
Custody Seals Intact: ☐ Yes ☐ No Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:	

Client Information Client Contact: Jasmine Mullins Company: ARCADIS U.S. Inc. Address: 855 Route 146 Suite 210 City: Clifton Park State, Zip: NY, 12065 Phone: 518-402-9625(Tel) Email: jasmine.mullins@arcadis.com		Analysis Requested Due Date Requested: STANDARD TAT Requested (days): STANDARD PO #: 48022018 Callout ID: 139083 WFO #: 48022018 Project #: Gladling Corporation #709009 Site: GLADLING CORPAGE		Carrier Tracking No(s): 480-151709-33717.1 Page: 1 of 3 Job #:																																																											
Lab PM: Stone, Judy L E-Mail: Judy.Stone@Eurofinset.com		Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (Specify) Other:																																																													
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Deliverable Requested: I, II, III, IV, Other (specify) CAT.B ENVSDEC EQUIS		Special Instructions/QC Requirements:																																																													
Empty Kit Relinquished by:		Method of Shipment:																																																													
Relinquished by: [Signature] Relinquished by: [Signature] Relinquished by: [Signature]		Received by: [Signature] Received by: [Signature] Received by: [Signature]																																																													
Date/Time: 10/14/2020 1335 Date/Time: 10/14/2020 1400 Date/Time: 10/14/2020 1400		Date/Time: 10/14/2020 1335 Date/Time: 10/15/2020 1040 Date/Time: 10/15/2020 1040																																																													
Company: ARCADIS Company: ARCADIS Company: ARCADIS		Company: ES-SVK Company: ES-SVK Company: ES-SVK																																																													

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

Chain of Custody Record

Syracuse
#225



Environment Testing
America

Client Information		Lab PM: Stone, Judy L		Carrier Tracking No(s):	
Client Contact: Jasmine Mullins		Phone: 716-248-4228		COC No: 480-151709-33717.2	
Company: ARCADIS U.S. Inc		E-Mail: Judy.Stone@Eurofinset.com		Page: Page 2 of 3	
Address: 855 Route 146 Suite 210		Due Date Requested: STANDARD		Job #:	
City: Clifton Park		TAT Requested (days): STANDARD		Preservation Codes:	
State, Zip: NY, 12065		PO #: Callout ID: 139083		A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	
Phone: 518-402-9625 (Tel)		WO #:		M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
Email: jasmine.mullins@arcadis.com		Project #: 48022018		Special Instructions/Note:	
Project Name: Gladding Corporation #709009		SSOW#:			
Site: GLADDING CORPAGE					
Sample Identification		Sample Date		Sample Time	
TW-5S		10/12/2020		1535	
TW-6I		10/12/2020		1740	
TW-6D		10/12/2020		1655	
TW-7S		10/12/2020		1420	
TW-7I		10/12/2020		1305	
TW-7D		10/12/2020		1115	
TW-9I		10/13/2020		1130	
TW-9D		10/13/2020		1245	
TW-10D		10/12/2020		0935	
TW-12I		10/12/2020		1320	
TW-12D		10/12/2020		1220	
Possible Hazard Identification		☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	
Deliverable Requested: I, II, III, IV, Other (specify)		CAT.B & NISDC EQUIS		☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months	
Empty Kit Relinquished by: Jasmine Mullins		Date: 10/14/2020		Time: 1335	
Relinquished by: Jasmine Mullins		Date: 10/14/2020		Time: 1335	
Relinquished by: Jasmine Mullins		Date: 10/14/2020		Time: 1000	
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.:		Company: ES-SM	

Eurolins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2288
Phone: 716-691-2800 Fax: 716-691-7981

Syracuse #225

Chain of Custody Record

eurolins Environment Testing America

Client Information		Lab PW: Stone, Judy L		COC No: 480-151708-33717.3	
Client Contact: Jasmine Mullins		Phone: 646-248-4208		Page: 3 of 3	
Company: ARCADIS U.S. Inc		E-Mail: Judy.Stone@Eurolins.com		Job #:	
Address: 855 Route 146 Suite 210		City: Clifton Park		State: NY, 12065	
Phone: 518-402-9525(Tel)		Project Name: Gladding Corporation #709009		SSOW#:	
Email: Jasmine.mullins@arcadis.com		Due Date Requested: STANDARD		TAT Requested (days): STANDARD	
Callout ID: 139083		PO #:		WO #:	
Project #:		Sample Date		Sample Time	
SSOW#:		Sample Type (C=Comp, G=grab)		Matrix (W=Water, S=Soil, O=Other, A=Asphalt, R=Residue, A=Air)	
Sample Identification		Sample Date		Sample Time	
TW-14S		10/14/2020		0910	
TW-14I		10/14/2020		1540	
TW-14D		10/14/2020		1015	
TW-15		10/13/2020		1105	
TW-X-DUP		10/13/2020		---	
RW-1		10/13/2020		1745	
RW-1 MS		10/13/2020		1745	
RW-1 MSD		10/13/2020		1745	
RW-2		10/13/2020		1800	
EE-4542		10/13/2020		1815	
FIELD BLANK		10/13/2020		1830	
Possible Hazard Identification		Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☒ Radiological ☐		Deliverable Requested: I, II, III, IV, Other (specify)	
Empty Kit Relinquished by:		Date:		Time:	
Relinquished by: [Signature]		Date: 10/14/2020		Time: 1335	
Relinquished by: [Signature]		Date: 10/14/2020		Time: 1900	
Relinquished by: [Signature]		Date: 10/14/2020		Time: 1900	
Custody Seal No.:		Custody Seal No.:		Custody Seal No.:	
Custody Seal Intact: ☒ Yes ☐ No		Custody Seal Intact: ☒ Yes ☐ No		Custody Seal Intact: ☒ Yes ☐ No	
Cooler Temperature(s) °C and Other Remarks:		Cooler Temperature(s) °C and Other Remarks:		Cooler Temperature(s) °C and Other Remarks:	
Special Instructions/Note:		Special Instructions/Note:		Special Instructions/Note:	
Preservation Codes:		Preservation Codes:		Preservation Codes:	
A - HCL		A - HCL		A - HCL	
B - NaOH		B - NaOH		B - NaOH	
C - Zn Acetate		C - Zn Acetate		C - Zn Acetate	
D - Nitric Acid		D - Nitric Acid		D - Nitric Acid	
E - NaHSO4		E - NaHSO4		E - NaHSO4	
F - MeOH		F - MeOH		F - MeOH	
G - H2SO4		G - H2SO4		G - H2SO4	
H - Ascorbic Acid		H - Ascorbic Acid		H - Ascorbic Acid	
I - Ice		I - Ice		I - Ice	
J - DI Water		J - DI Water		J - DI Water	
K - EDTA		K - EDTA		K - EDTA	
L - EDA		L - EDA		L - EDA	
Z - other (specify)		Z - other (specify)		Z - other (specify)	
Other:		Other:		Other:	

SYRACUSE, NY 13211
UNITED STATES US

SHIP DATE: 14OCT20
ACTWGT: 45.00 LB MAN
CAD: 0883373/CAFE3407

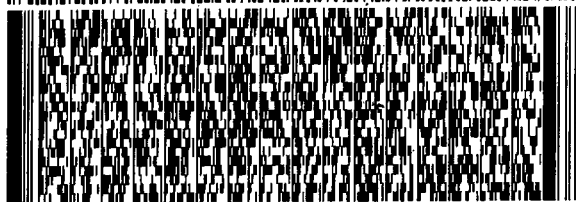
BILL RECIRIENT

TO **SAMPLE RECEIVING
TESTAMERICA BURLINGTON
30 COMMUNITY DRIVE SUITE 11**

SOUTH BURLINGTON VT 05403

(802) 660-1990

REF: ARCADIS GLADDING PFAS 2 COOLERS



FedEx
Express



1 of 2
TRK# 1870 7198 4998
0201
MASTER

NL BTVA

THU - 15 OCT 10:30A
PRIORITY OVERNIGHT

05403
VT-US BTV



ORIGIN ID:SYRA (315) 431-0171
SYR SERVICE CENTER
EUROFINS TESTAMERICA
118 BOSS RD

SYRACUSE, NY 13211
UNITED STATES US

SHIP DATE: 14OCT20
ACTWGT: 45.00 LB MAN
CAD: 0883373/CAFE3407

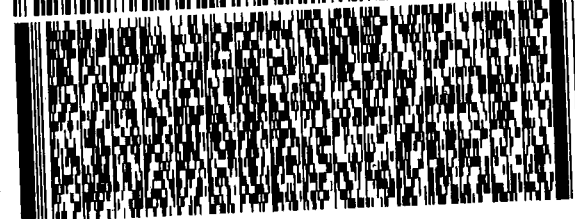
BILL RECIPIENT

TO **SAMPLE RECEIVING
TESTAMERICA BURLINGTON
30 COMMUNITY DRIVE SUITE 11**

SOUTH BURLINGTON VT 05403

(802) 660-1990

REF: ARCADIS GLADDING PFAS 2 COOLERS



FedEx
Express



2 of 2
MPS# 1870 7198 5001
0263
Mstr# 1870 7198 4998

NL BTVA

THU - 15 OCT 10:30A
PRIORITY OVERNIGHT

05403
BT
VT-US



Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-176533-1

Login Number: 176533

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Yeager, Brian A

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

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-176533-1

Login Number: 176533

List Number: 2

Creator: Jaffe, Nat S

List Source: Eurofins TestAmerica, Burlington

List Creation: 10/16/20 09:37 AM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	1313493, -494
Sample custody seals, if present, are 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	0.5°C, 2.6°C
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	JM, KS
There are no discrepancies between the containers received 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.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

Eurofins TestAmerica, Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
Tel: (802)660-1990

Laboratory Job ID: 200-55605-1

Client Project/Site: Gladding Corporation #709009

For:

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

Attn: Mr. Payson Long



Authorized for release by:
10/29/2020 2:46:43 PM

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

LINKS

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results through
TotalAccess

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www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Judy Stone
Senior Project Manager
10/29/2020 2:46:43 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 12

Isotope Dilution Summary 13

QC Sample Results 14

QC Association Summary 20

Lab Chronicle 21

Certification Summary 22

Method Summary 23

Sample Summary 24

Chain of Custody 25

Receipt Checklists 28



Definitions/Glossary

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

Job ID: 200-55605-1

Qualifiers

GC/MS VOA

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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: 200-55605-1

Job ID: 200-55605-1

Laboratory: Eurofins TestAmerica, Burlington

Narrative

Job Narrative 200-55605-1

Comments

The 1,4-dioxane by 522 is being analyzed by Eurofins Eaton and that method has a longer turnaround and the data will be sent separately.

Receipt

The samples were received on 10/15/2020 10:40 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.2° C and 1.4° C.

GC/MS VOA

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

LCMS

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: 200-55605-1

Client Sample ID: MW-2

Lab Sample ID: 200-55605-1

No Detections.

Client Sample ID: FIELD BLANK

Lab Sample ID: 200-55605-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	1.7		0.50	0.10	ug/L	1		524.2	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 200-55605-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.19	J	0.50	0.12	ug/L	1		524.2	Total/NA
Methylene Chloride	0.45	J	0.50	0.42	ug/L	1		524.2	Total/NA
Trihalomethanes, Total	0.19	J	0.50	0.080	ug/L	1		524.2	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Burlington

Client Sample Results

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

Job ID: 200-55605-1

Client Sample ID: MW-2

Lab Sample ID: 200-55605-1

Date Collected: 10/13/20 16:10

Matrix: Water

Date Received: 10/15/20 10:40

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.12	ug/L			10/20/20 02:21	1
1,1,1-Trichloroethane	ND		0.50	0.17	ug/L			10/20/20 02:21	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.15	ug/L			10/20/20 02:21	1
1,1,2-Trichloroethane	ND		0.50	0.090	ug/L			10/20/20 02:21	1
1,1-Dichloroethane	ND		0.50	0.14	ug/L			10/20/20 02:21	1
1,1-Dichloroethene	ND		0.50	0.19	ug/L			10/20/20 02:21	1
1,1-Dichloropropene	ND		0.50	0.18	ug/L			10/20/20 02:21	1
1,2,3-Trichlorobenzene	ND		0.50	0.10	ug/L			10/20/20 02:21	1
1,2,3-Trichloropropane	ND		0.50	0.14	ug/L			10/20/20 02:21	1
1,2,4-Trichlorobenzene	ND		0.50	0.10	ug/L			10/20/20 02:21	1
1,2,4-Trimethylbenzene	ND		0.50	0.10	ug/L			10/20/20 02:21	1
1,2-Dichlorobenzene	ND		0.50	0.11	ug/L			10/20/20 02:21	1
1,2-Dichloroethane	ND		0.50	0.11	ug/L			10/20/20 02:21	1
1,2-Dichloropropane	ND		0.50	0.11	ug/L			10/20/20 02:21	1
1,3,5-Trimethylbenzene	ND		0.50	0.12	ug/L			10/20/20 02:21	1
1,3-Dichlorobenzene	ND		0.50	0.090	ug/L			10/20/20 02:21	1
1,3-Dichloropropane	ND		0.50	0.090	ug/L			10/20/20 02:21	1
1,4-Dichlorobenzene	ND		0.50	0.090	ug/L			10/20/20 02:21	1
2,2-Dichloropropane	ND		0.50	0.15	ug/L			10/20/20 02:21	1
2-Chlorotoluene	ND		0.50	0.10	ug/L			10/20/20 02:21	1
4-Chlorotoluene	ND		0.50	0.11	ug/L			10/20/20 02:21	1
4-Isopropyltoluene	ND		0.50	0.13	ug/L			10/20/20 02:21	1
Benzene	ND		0.50	0.11	ug/L			10/20/20 02:21	1
Bromobenzene	ND		0.50	0.070	ug/L			10/20/20 02:21	1
Bromochloromethane	ND		0.50	0.10	ug/L			10/20/20 02:21	1
Dichlorobromomethane	ND		0.50	0.090	ug/L			10/20/20 02:21	1
Bromoform	ND		0.50	0.080	ug/L			10/20/20 02:21	1
Bromomethane	ND		0.50	0.14	ug/L			10/20/20 02:21	1
Carbon tetrachloride	ND		0.50	0.17	ug/L			10/20/20 02:21	1
Chlorobenzene	ND		0.50	0.10	ug/L			10/20/20 02:21	1
Chlorodibromomethane	ND		0.50	0.15	ug/L			10/20/20 02:21	1
Chloroethane	ND		0.50	0.23	ug/L			10/20/20 02:21	1
Chloroform	ND		0.50	0.12	ug/L			10/20/20 02:21	1
Chloromethane	ND		0.50	0.18	ug/L			10/20/20 02:21	1
cis-1,2-Dichloroethene	ND		0.50	0.14	ug/L			10/20/20 02:21	1
cis-1,3-Dichloropropene	ND		0.50	0.080	ug/L			10/20/20 02:21	1
Dibromomethane	ND		0.50	0.10	ug/L			10/20/20 02:21	1
Dichlorodifluoromethane	ND		0.50	0.30	ug/L			10/20/20 02:21	1
Ethylbenzene	ND		0.50	0.090	ug/L			10/20/20 02:21	1
Hexachlorobutadiene	ND		0.50	0.19	ug/L			10/20/20 02:21	1
Isopropylbenzene	ND		0.50	0.14	ug/L			10/20/20 02:21	1
Methyl tert-butyl ether	ND		0.50	0.090	ug/L			10/20/20 02:21	1
Methylene Chloride	ND		0.50	0.42	ug/L			10/20/20 02:21	1
m-Xylene & p-Xylene	ND		1.0	0.24	ug/L			10/20/20 02:21	1
Naphthalene	ND		0.50	0.080	ug/L			10/20/20 02:21	1
n-Butylbenzene	ND		0.50	0.14	ug/L			10/20/20 02:21	1
N-Propylbenzene	ND		0.50	0.14	ug/L			10/20/20 02:21	1
o-Xylene	ND		0.50	0.090	ug/L			10/20/20 02:21	1
sec-Butylbenzene	ND		0.50	0.15	ug/L			10/20/20 02:21	1

Eurofins TestAmerica, Burlington

Client Sample Results

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

Job ID: 200-55605-1

Client Sample ID: MW-2

Lab Sample ID: 200-55605-1

Date Collected: 10/13/20 16:10

Matrix: Water

Date Received: 10/15/20 10:40

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.50	0.090	ug/L			10/20/20 02:21	1
tert-Butylbenzene	ND		0.50	0.16	ug/L			10/20/20 02:21	1
Tetrachloroethene	ND		0.50	0.14	ug/L			10/20/20 02:21	1
Toluene	ND		0.50	0.11	ug/L			10/20/20 02:21	1
trans-1,2-Dichloroethene	ND		0.50	0.13	ug/L			10/20/20 02:21	1
trans-1,3-Dichloropropene	ND		0.50	0.13	ug/L			10/20/20 02:21	1
Trichloroethene	ND		0.50	0.11	ug/L			10/20/20 02:21	1
Trichlorofluoromethane	ND		0.50	0.27	ug/L			10/20/20 02:21	1
Vinyl chloride	ND		0.50	0.25	ug/L			10/20/20 02:21	1
Xylenes, Total	ND		0.50	0.32	ug/L			10/20/20 02:21	1
Trihalomethanes, Total	ND		0.50	0.080	ug/L			10/20/20 02:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	102		70 - 130		10/20/20 02:21	1
1,2-Dichlorobenzene-d4	97		70 - 130		10/20/20 02:21	1

Method: 25101:2009 - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanoic acid (PFHpA)	ND		1.6	0.37	ng/L		10/23/20 11:30	10/23/20 23:11	1
Perfluorooctanoic acid (PFOA)	ND		1.6	0.79	ng/L		10/23/20 11:30	10/23/20 23:11	1
Perfluorononanoic acid (PFNA)	ND		1.6	0.47	ng/L		10/23/20 11:30	10/23/20 23:11	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.6	0.51	ng/L		10/23/20 11:30	10/23/20 23:11	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.6	0.54	ng/L		10/23/20 11:30	10/23/20 23:11	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.6	0.70	ng/L		10/23/20 11:30	10/23/20 23:11	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFHpA	114		50 - 150	10/23/20 11:30	10/23/20 23:11	1
13C4 PFOA	101		70 - 130	10/23/20 11:30	10/23/20 23:11	1
13C5 PFNA	99		50 - 150	10/23/20 11:30	10/23/20 23:11	1
13C3 PFBS	105		50 - 150	10/23/20 11:30	10/23/20 23:11	1
18O2 PFHxS	102		50 - 150	10/23/20 11:30	10/23/20 23:11	1
13C4 PFOS	94		70 - 130	10/23/20 11:30	10/23/20 23:11	1

Client Sample ID: FIELD BLANK

Lab Sample ID: 200-55605-2

Date Collected: 10/13/20 16:00

Matrix: Water

Date Received: 10/15/20 10:40

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.12	ug/L			10/20/20 00:47	1
1,1,1-Trichloroethane	ND		0.50	0.17	ug/L			10/20/20 00:47	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.15	ug/L			10/20/20 00:47	1
1,1,2-Trichloroethane	ND		0.50	0.090	ug/L			10/20/20 00:47	1
1,1-Dichloroethane	ND		0.50	0.14	ug/L			10/20/20 00:47	1
1,1-Dichloroethene	ND		0.50	0.19	ug/L			10/20/20 00:47	1
1,1-Dichloropropene	ND		0.50	0.18	ug/L			10/20/20 00:47	1
1,2,3-Trichlorobenzene	ND		0.50	0.10	ug/L			10/20/20 00:47	1
1,2,3-Trichloropropane	ND		0.50	0.14	ug/L			10/20/20 00:47	1
1,2,4-Trichlorobenzene	ND		0.50	0.10	ug/L			10/20/20 00:47	1
1,2,4-Trimethylbenzene	ND		0.50	0.10	ug/L			10/20/20 00:47	1
1,2-Dichlorobenzene	ND		0.50	0.11	ug/L			10/20/20 00:47	1

Eurofins TestAmerica, Burlington

Client Sample Results

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

Job ID: 200-55605-1

Client Sample ID: FIELD BLANK

Lab Sample ID: 200-55605-2

Date Collected: 10/13/20 16:00

Matrix: Water

Date Received: 10/15/20 10:40

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.50	0.11	ug/L			10/20/20 00:47	1
1,2-Dichloropropane	ND		0.50	0.11	ug/L			10/20/20 00:47	1
1,3,5-Trimethylbenzene	ND		0.50	0.12	ug/L			10/20/20 00:47	1
1,3-Dichlorobenzene	ND		0.50	0.090	ug/L			10/20/20 00:47	1
1,3-Dichloropropane	ND		0.50	0.090	ug/L			10/20/20 00:47	1
1,4-Dichlorobenzene	ND		0.50	0.090	ug/L			10/20/20 00:47	1
2,2-Dichloropropane	ND		0.50	0.15	ug/L			10/20/20 00:47	1
2-Chlorotoluene	ND		0.50	0.10	ug/L			10/20/20 00:47	1
4-Chlorotoluene	ND		0.50	0.11	ug/L			10/20/20 00:47	1
4-Isopropyltoluene	ND		0.50	0.13	ug/L			10/20/20 00:47	1
Benzene	ND		0.50	0.11	ug/L			10/20/20 00:47	1
Bromobenzene	ND		0.50	0.070	ug/L			10/20/20 00:47	1
Bromochloromethane	ND		0.50	0.10	ug/L			10/20/20 00:47	1
Dichlorobromomethane	ND		0.50	0.090	ug/L			10/20/20 00:47	1
Bromoform	ND		0.50	0.080	ug/L			10/20/20 00:47	1
Bromomethane	ND		0.50	0.14	ug/L			10/20/20 00:47	1
Carbon tetrachloride	ND		0.50	0.17	ug/L			10/20/20 00:47	1
Chlorobenzene	1.7		0.50	0.10	ug/L			10/20/20 00:47	1
Chlorodibromomethane	ND		0.50	0.15	ug/L			10/20/20 00:47	1
Chloroethane	ND		0.50	0.23	ug/L			10/20/20 00:47	1
Chloroform	ND		0.50	0.12	ug/L			10/20/20 00:47	1
Chloromethane	ND		0.50	0.18	ug/L			10/20/20 00:47	1
cis-1,2-Dichloroethene	ND		0.50	0.14	ug/L			10/20/20 00:47	1
cis-1,3-Dichloropropene	ND		0.50	0.080	ug/L			10/20/20 00:47	1
Dibromomethane	ND		0.50	0.10	ug/L			10/20/20 00:47	1
Dichlorodifluoromethane	ND		0.50	0.30	ug/L			10/20/20 00:47	1
Ethylbenzene	ND		0.50	0.090	ug/L			10/20/20 00:47	1
Hexachlorobutadiene	ND		0.50	0.19	ug/L			10/20/20 00:47	1
Isopropylbenzene	ND		0.50	0.14	ug/L			10/20/20 00:47	1
Methyl tert-butyl ether	ND		0.50	0.090	ug/L			10/20/20 00:47	1
Methylene Chloride	ND		0.50	0.42	ug/L			10/20/20 00:47	1
m-Xylene & p-Xylene	ND		1.0	0.24	ug/L			10/20/20 00:47	1
Naphthalene	ND		0.50	0.080	ug/L			10/20/20 00:47	1
n-Butylbenzene	ND		0.50	0.14	ug/L			10/20/20 00:47	1
N-Propylbenzene	ND		0.50	0.14	ug/L			10/20/20 00:47	1
o-Xylene	ND		0.50	0.090	ug/L			10/20/20 00:47	1
sec-Butylbenzene	ND		0.50	0.15	ug/L			10/20/20 00:47	1
Styrene	ND		0.50	0.090	ug/L			10/20/20 00:47	1
tert-Butylbenzene	ND		0.50	0.16	ug/L			10/20/20 00:47	1
Tetrachloroethene	ND		0.50	0.14	ug/L			10/20/20 00:47	1
Toluene	ND		0.50	0.11	ug/L			10/20/20 00:47	1
trans-1,2-Dichloroethene	ND		0.50	0.13	ug/L			10/20/20 00:47	1
trans-1,3-Dichloropropene	ND		0.50	0.13	ug/L			10/20/20 00:47	1
Trichloroethene	ND		0.50	0.11	ug/L			10/20/20 00:47	1
Trichlorofluoromethane	ND		0.50	0.27	ug/L			10/20/20 00:47	1
Vinyl chloride	ND		0.50	0.25	ug/L			10/20/20 00:47	1
Xylenes, Total	ND		0.50	0.32	ug/L			10/20/20 00:47	1
Trihalomethanes, Total	ND		0.50	0.080	ug/L			10/20/20 00:47	1

Eurofins TestAmerica, Burlington

Client Sample Results

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

Job ID: 200-55605-1

Client Sample ID: FIELD BLANK

Date Collected: 10/13/20 16:00

Date Received: 10/15/20 10:40

Lab Sample ID: 200-55605-2

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	103		70 - 130		10/20/20 00:47	1
1,2-Dichlorobenzene-d4	99		70 - 130		10/20/20 00:47	1

Method: 25101:2009 - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanoic acid (PFHpA)	ND		1.6	0.36	ng/L		10/23/20 11:30	10/23/20 23:19	1
Perfluorooctanoic acid (PFOA)	ND		1.6	0.78	ng/L		10/23/20 11:30	10/23/20 23:19	1
Perfluorononanoic acid (PFNA)	ND		1.6	0.46	ng/L		10/23/20 11:30	10/23/20 23:19	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.6	0.50	ng/L		10/23/20 11:30	10/23/20 23:19	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.6	0.53	ng/L		10/23/20 11:30	10/23/20 23:19	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.6	0.69	ng/L		10/23/20 11:30	10/23/20 23:19	1
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C4 PFHpA	118		50 - 150				10/23/20 11:30	10/23/20 23:19	1
13C4 PFOA	108		70 - 130				10/23/20 11:30	10/23/20 23:19	1
13C5 PFNA	104		50 - 150				10/23/20 11:30	10/23/20 23:19	1
13C3 PFBS	109		50 - 150				10/23/20 11:30	10/23/20 23:19	1
18O2 PFHxS	107		50 - 150				10/23/20 11:30	10/23/20 23:19	1
13C4 PFOS	108		70 - 130				10/23/20 11:30	10/23/20 23:19	1

Client Sample ID: Trip Blank

Date Collected: 10/13/20 00:00

Date Received: 10/15/20 10:40

Lab Sample ID: 200-55605-3

Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.12	ug/L			10/20/20 01:10	1
1,1,1-Trichloroethane	ND		0.50	0.17	ug/L			10/20/20 01:10	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.15	ug/L			10/20/20 01:10	1
1,1,2-Trichloroethane	ND		0.50	0.090	ug/L			10/20/20 01:10	1
1,1-Dichloroethane	ND		0.50	0.14	ug/L			10/20/20 01:10	1
1,1-Dichloroethene	ND		0.50	0.19	ug/L			10/20/20 01:10	1
1,1-Dichloropropene	ND		0.50	0.18	ug/L			10/20/20 01:10	1
1,2,3-Trichlorobenzene	ND		0.50	0.10	ug/L			10/20/20 01:10	1
1,2,3-Trichloropropane	ND		0.50	0.14	ug/L			10/20/20 01:10	1
1,2,4-Trichlorobenzene	ND		0.50	0.10	ug/L			10/20/20 01:10	1
1,2,4-Trimethylbenzene	ND		0.50	0.10	ug/L			10/20/20 01:10	1
1,2-Dichlorobenzene	ND		0.50	0.11	ug/L			10/20/20 01:10	1
1,2-Dichloroethane	ND		0.50	0.11	ug/L			10/20/20 01:10	1
1,2-Dichloropropane	ND		0.50	0.11	ug/L			10/20/20 01:10	1
1,3,5-Trimethylbenzene	ND		0.50	0.12	ug/L			10/20/20 01:10	1
1,3-Dichlorobenzene	ND		0.50	0.090	ug/L			10/20/20 01:10	1
1,3-Dichloropropane	ND		0.50	0.090	ug/L			10/20/20 01:10	1
1,4-Dichlorobenzene	ND		0.50	0.090	ug/L			10/20/20 01:10	1
2,2-Dichloropropane	ND		0.50	0.15	ug/L			10/20/20 01:10	1
2-Chlorotoluene	ND		0.50	0.10	ug/L			10/20/20 01:10	1
4-Chlorotoluene	ND		0.50	0.11	ug/L			10/20/20 01:10	1
4-Isopropyltoluene	ND		0.50	0.13	ug/L			10/20/20 01:10	1
Benzene	ND		0.50	0.11	ug/L			10/20/20 01:10	1
Bromobenzene	ND		0.50	0.070	ug/L			10/20/20 01:10	1
Bromochloromethane	ND		0.50	0.10	ug/L			10/20/20 01:10	1

Eurofins TestAmerica, Burlington

Client Sample Results

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

Job ID: 200-55605-1

Client Sample ID: Trip Blank

Lab Sample ID: 200-55605-3

Date Collected: 10/13/20 00:00

Matrix: Water

Date Received: 10/15/20 10:40

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	ND		0.50	0.090	ug/L			10/20/20 01:10	1
Bromoform	ND		0.50	0.080	ug/L			10/20/20 01:10	1
Bromomethane	ND		0.50	0.14	ug/L			10/20/20 01:10	1
Carbon tetrachloride	ND		0.50	0.17	ug/L			10/20/20 01:10	1
Chlorobenzene	ND		0.50	0.10	ug/L			10/20/20 01:10	1
Chlorodibromomethane	ND		0.50	0.15	ug/L			10/20/20 01:10	1
Chloroethane	ND		0.50	0.23	ug/L			10/20/20 01:10	1
Chloroform	0.19	J	0.50	0.12	ug/L			10/20/20 01:10	1
Chloromethane	ND		0.50	0.18	ug/L			10/20/20 01:10	1
cis-1,2-Dichloroethene	ND		0.50	0.14	ug/L			10/20/20 01:10	1
cis-1,3-Dichloropropene	ND		0.50	0.080	ug/L			10/20/20 01:10	1
Dibromomethane	ND		0.50	0.10	ug/L			10/20/20 01:10	1
Dichlorodifluoromethane	ND		0.50	0.30	ug/L			10/20/20 01:10	1
Ethylbenzene	ND		0.50	0.090	ug/L			10/20/20 01:10	1
Hexachlorobutadiene	ND		0.50	0.19	ug/L			10/20/20 01:10	1
Isopropylbenzene	ND		0.50	0.14	ug/L			10/20/20 01:10	1
Methyl tert-butyl ether	ND		0.50	0.090	ug/L			10/20/20 01:10	1
Methylene Chloride	0.45	J	0.50	0.42	ug/L			10/20/20 01:10	1
m-Xylene & p-Xylene	ND		1.0	0.24	ug/L			10/20/20 01:10	1
Naphthalene	ND		0.50	0.080	ug/L			10/20/20 01:10	1
n-Butylbenzene	ND		0.50	0.14	ug/L			10/20/20 01:10	1
N-Propylbenzene	ND		0.50	0.14	ug/L			10/20/20 01:10	1
o-Xylene	ND		0.50	0.090	ug/L			10/20/20 01:10	1
sec-Butylbenzene	ND		0.50	0.15	ug/L			10/20/20 01:10	1
Styrene	ND		0.50	0.090	ug/L			10/20/20 01:10	1
tert-Butylbenzene	ND		0.50	0.16	ug/L			10/20/20 01:10	1
Tetrachloroethene	ND		0.50	0.14	ug/L			10/20/20 01:10	1
Toluene	ND		0.50	0.11	ug/L			10/20/20 01:10	1
trans-1,2-Dichloroethene	ND		0.50	0.13	ug/L			10/20/20 01:10	1
trans-1,3-Dichloropropene	ND		0.50	0.13	ug/L			10/20/20 01:10	1
Trichloroethene	ND		0.50	0.11	ug/L			10/20/20 01:10	1
Trichlorofluoromethane	ND		0.50	0.27	ug/L			10/20/20 01:10	1
Vinyl chloride	ND		0.50	0.25	ug/L			10/20/20 01:10	1
Xylenes, Total	ND		0.50	0.32	ug/L			10/20/20 01:10	1
Trihalomethanes, Total	0.19	J	0.50	0.080	ug/L			10/20/20 01:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	105		70 - 130					10/20/20 01:10	1
1,2-Dichlorobenzene-d4	104		70 - 130					10/20/20 01:10	1

Surrogate Summary

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

Job ID: 200-55605-1

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB	DCZ
		(70-130)	(70-130)
200-55605-1	MW-2	102	97
200-55605-2	FIELD BLANK	103	99
200-55605-3	Trip Blank	105	104
LCS 460-732938/3	Lab Control Sample	103	98
LCSD 460-732938/4	Lab Control Sample Dup	103	97
MB 460-732938/7	Method Blank	99	97

Surrogate Legend

BFB = 4-Bromofluorobenzene

DCZ = 1,2-Dichlorobenzene-d4

Isotope Dilution Summary

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

Job ID: 200-55605-1

Method: 25101:2009 - Fluorinated Alkyl Substances

Matrix: Water

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	C4PFHA (50-150)	PFOA (70-130)	PFNA (50-150)	C3PFBS (50-150)	PFHxS (50-150)	PFOS (70-130)
200-55605-1	MW-2	114	101	99	105	102	94
200-55605-2	FIELD BLANK	118	108	104	109	107	108
LCS 200-160348/2-A	Lab Control Sample	114	102	101	99	107	91
LCSD 200-160348/3-A	Lab Control Sample Dup	119	106	97	109	108	93
MB 200-160348/1-A	Method Blank	91	83	80	85	84	75

Surrogate Legend

C4PFHA = 13C4 PFHpA

PFOA = 13C4 PFOA

PFNA = 13C5 PFNA

C3PFBS = 13C3 PFBS

PFHxS = 18O2 PFHxS

PFOS = 13C4 PFOS

QC Sample Results

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

Job ID: 200-55605-1

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-732938/7

Matrix: Water

Analysis Batch: 732938

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.12	ug/L			10/19/20 20:06	1
1,1,1-Trichloroethane	ND		0.50	0.17	ug/L			10/19/20 20:06	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.15	ug/L			10/19/20 20:06	1
1,1,2-Trichloroethane	ND		0.50	0.090	ug/L			10/19/20 20:06	1
1,1-Dichloroethane	ND		0.50	0.14	ug/L			10/19/20 20:06	1
1,1-Dichloroethene	ND		0.50	0.19	ug/L			10/19/20 20:06	1
1,1-Dichloropropene	ND		0.50	0.18	ug/L			10/19/20 20:06	1
1,2,3-Trichlorobenzene	ND		0.50	0.10	ug/L			10/19/20 20:06	1
1,2,3-Trichloropropane	ND		0.50	0.14	ug/L			10/19/20 20:06	1
1,2,4-Trichlorobenzene	ND		0.50	0.10	ug/L			10/19/20 20:06	1
1,2,4-Trimethylbenzene	ND		0.50	0.10	ug/L			10/19/20 20:06	1
1,2-Dichlorobenzene	ND		0.50	0.11	ug/L			10/19/20 20:06	1
1,2-Dichloroethane	ND		0.50	0.11	ug/L			10/19/20 20:06	1
1,2-Dichloropropane	ND		0.50	0.11	ug/L			10/19/20 20:06	1
1,3,5-Trimethylbenzene	ND		0.50	0.12	ug/L			10/19/20 20:06	1
1,3-Dichlorobenzene	ND		0.50	0.090	ug/L			10/19/20 20:06	1
1,3-Dichloropropane	ND		0.50	0.090	ug/L			10/19/20 20:06	1
1,4-Dichlorobenzene	ND		0.50	0.090	ug/L			10/19/20 20:06	1
2,2-Dichloropropane	ND		0.50	0.15	ug/L			10/19/20 20:06	1
2-Chlorotoluene	ND		0.50	0.10	ug/L			10/19/20 20:06	1
4-Chlorotoluene	ND		0.50	0.11	ug/L			10/19/20 20:06	1
4-Isopropyltoluene	ND		0.50	0.13	ug/L			10/19/20 20:06	1
Benzene	ND		0.50	0.11	ug/L			10/19/20 20:06	1
Bromobenzene	ND		0.50	0.070	ug/L			10/19/20 20:06	1
Bromochloromethane	ND		0.50	0.10	ug/L			10/19/20 20:06	1
Dichlorobromomethane	ND		0.50	0.090	ug/L			10/19/20 20:06	1
Bromoform	ND		0.50	0.080	ug/L			10/19/20 20:06	1
Bromomethane	ND		0.50	0.14	ug/L			10/19/20 20:06	1
Carbon tetrachloride	ND		0.50	0.17	ug/L			10/19/20 20:06	1
Chlorobenzene	ND		0.50	0.10	ug/L			10/19/20 20:06	1
Chlorodibromomethane	ND		0.50	0.15	ug/L			10/19/20 20:06	1
Chloroethane	ND		0.50	0.23	ug/L			10/19/20 20:06	1
Chloroform	ND		0.50	0.12	ug/L			10/19/20 20:06	1
Chloromethane	ND		0.50	0.18	ug/L			10/19/20 20:06	1
cis-1,2-Dichloroethene	ND		0.50	0.14	ug/L			10/19/20 20:06	1
cis-1,3-Dichloropropene	ND		0.50	0.080	ug/L			10/19/20 20:06	1
Dibromomethane	ND		0.50	0.10	ug/L			10/19/20 20:06	1
Dichlorodifluoromethane	ND		0.50	0.30	ug/L			10/19/20 20:06	1
Ethylbenzene	ND		0.50	0.090	ug/L			10/19/20 20:06	1
Hexachlorobutadiene	ND		0.50	0.19	ug/L			10/19/20 20:06	1
Isopropylbenzene	ND		0.50	0.14	ug/L			10/19/20 20:06	1
Methyl tert-butyl ether	ND		0.50	0.090	ug/L			10/19/20 20:06	1
Methylene Chloride	ND		0.50	0.42	ug/L			10/19/20 20:06	1
m-Xylene & p-Xylene	ND		1.0	0.24	ug/L			10/19/20 20:06	1
Naphthalene	ND		0.50	0.080	ug/L			10/19/20 20:06	1
n-Butylbenzene	ND		0.50	0.14	ug/L			10/19/20 20:06	1
N-Propylbenzene	ND		0.50	0.14	ug/L			10/19/20 20:06	1
o-Xylene	ND		0.50	0.090	ug/L			10/19/20 20:06	1

Eurofins TestAmerica, Burlington

QC Sample Results

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

Job ID: 200-55605-1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-732938/7

Matrix: Water

Analysis Batch: 732938

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		0.50	0.15	ug/L			10/19/20 20:06	1
Styrene	ND		0.50	0.090	ug/L			10/19/20 20:06	1
tert-Butylbenzene	ND		0.50	0.16	ug/L			10/19/20 20:06	1
Tetrachloroethene	ND		0.50	0.14	ug/L			10/19/20 20:06	1
Toluene	ND		0.50	0.11	ug/L			10/19/20 20:06	1
trans-1,2-Dichloroethene	ND		0.50	0.13	ug/L			10/19/20 20:06	1
trans-1,3-Dichloropropene	ND		0.50	0.13	ug/L			10/19/20 20:06	1
Trichloroethene	ND		0.50	0.11	ug/L			10/19/20 20:06	1
Trichlorofluoromethane	ND		0.50	0.27	ug/L			10/19/20 20:06	1
Vinyl chloride	ND		0.50	0.25	ug/L			10/19/20 20:06	1
Xylenes, Total	ND		0.50	0.32	ug/L			10/19/20 20:06	1
Trihalomethanes, Total	ND		0.50	0.080	ug/L			10/19/20 20:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	99		70 - 130		10/19/20 20:06	1
1,2-Dichlorobenzene-d4	97		70 - 130		10/19/20 20:06	1

Lab Sample ID: LCS 460-732938/3

Matrix: Water

Analysis Batch: 732938

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	2.00	1.89		ug/L		94	70 - 130
1,1,1-Trichloroethane	2.00	2.04		ug/L		102	70 - 130
1,1,2,2-Tetrachloroethane	2.00	2.10		ug/L		105	70 - 130
1,1,2-Trichloroethane	2.00	2.09		ug/L		105	70 - 130
1,1-Dichloroethane	2.00	2.17		ug/L		109	70 - 130
1,1-Dichloropropene	2.00	2.00		ug/L		100	70 - 130
1,1-Dichloropropene	2.00	2.05		ug/L		103	70 - 130
1,2,3-Trichlorobenzene	2.00	1.81		ug/L		91	70 - 130
1,2,3-Trichloropropane	2.00	1.91		ug/L		95	70 - 130
1,2,4-Trichlorobenzene	2.00	1.89		ug/L		94	70 - 130
1,2,4-Trimethylbenzene	2.00	1.91		ug/L		95	70 - 130
1,2-Dichlorobenzene	2.00	1.82		ug/L		91	70 - 130
1,2-Dichloroethane	2.00	2.26		ug/L		113	70 - 130
1,2-Dichloropropane	2.00	2.22		ug/L		111	70 - 130
1,3,5-Trimethylbenzene	2.00	1.93		ug/L		96	70 - 130
1,3-Dichlorobenzene	2.00	1.83		ug/L		92	70 - 130
1,3-Dichloropropane	2.00	2.09		ug/L		105	70 - 130
1,4-Dichlorobenzene	2.00	1.87		ug/L		94	70 - 130
2,2-Dichloropropane	2.00	2.14		ug/L		107	70 - 130
2-Chlorotoluene	2.00	1.97		ug/L		99	70 - 130
4-Chlorotoluene	2.00	1.94		ug/L		97	70 - 130
4-Isopropyltoluene	2.00	1.92		ug/L		96	70 - 130
Benzene	2.00	2.11		ug/L		105	70 - 130
Bromobenzene	2.00	1.88		ug/L		94	70 - 130
Bromochloromethane	2.00	1.98		ug/L		99	70 - 130
Dichlorobromomethane	2.00	2.05		ug/L		102	70 - 130

Eurofins TestAmerica, Burlington

QC Sample Results

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

Job ID: 200-55605-1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-732938/3

Matrix: Water

Analysis Batch: 732938

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromoform	2.00	1.76		ug/L		88	70 - 130
Bromomethane	2.00	1.86		ug/L		93	70 - 130
Carbon tetrachloride	2.00	1.99		ug/L		99	70 - 130
Chlorobenzene	2.00	1.93		ug/L		96	70 - 130
Chlorodibromomethane	2.00	1.81		ug/L		90	70 - 130
Chloroethane	2.00	2.49		ug/L		125	70 - 130
Chloroform	2.00	2.04		ug/L		102	70 - 130
Chloromethane	2.00	2.11		ug/L		106	70 - 130
cis-1,2-Dichloroethene	2.00	2.05		ug/L		103	70 - 130
cis-1,3-Dichloropropene	2.00	1.89		ug/L		94	70 - 130
Dibromomethane	2.00	2.08		ug/L		104	70 - 130
Dichlorodifluoromethane	2.00	1.86		ug/L		93	70 - 130
Ethylbenzene	2.00	1.95		ug/L		97	70 - 130
Hexachlorobutadiene	2.00	1.77		ug/L		89	70 - 130
Isopropylbenzene	2.00	1.98		ug/L		99	70 - 130
Methyl tert-butyl ether	2.00	2.00		ug/L		100	70 - 130
Methylene Chloride	2.00	2.09		ug/L		104	70 - 130
Naphthalene	2.00	1.85		ug/L		92	70 - 130
n-Butylbenzene	2.00	2.01		ug/L		100	70 - 130
N-Propylbenzene	2.00	1.98		ug/L		99	70 - 130
sec-Butylbenzene	2.00	2.04		ug/L		102	70 - 130
Styrene	2.00	1.85		ug/L		92	70 - 130
tert-Butylbenzene	2.00	1.81		ug/L		90	70 - 130
Tetrachloroethene	2.00	1.85		ug/L		93	70 - 130
Toluene	2.00	1.99		ug/L		100	70 - 130
trans-1,2-Dichloroethene	2.00	1.96		ug/L		98	70 - 130
trans-1,3-Dichloropropene	2.00	1.98		ug/L		99	70 - 130
Trichloroethene	2.00	2.03		ug/L		102	70 - 130
Trichlorofluoromethane	2.00	1.84		ug/L		92	70 - 130
Vinyl chloride	2.00	2.41		ug/L		120	70 - 130
Xylenes, Total	6.00	5.64		ug/L		94	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	103		70 - 130
1,2-Dichlorobenzene-d4	98		70 - 130

Lab Sample ID: LCSD 460-732938/4

Matrix: Water

Analysis Batch: 732938

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	2.00	2.02		ug/L		101	70 - 130	7	30
1,1,1-Trichloroethane	2.00	2.12		ug/L		106	70 - 130	4	30
1,1,2,2-Tetrachloroethane	2.00	2.11		ug/L		106	70 - 130	1	30
1,1,2-Trichloroethane	2.00	2.17		ug/L		108	70 - 130	3	30
1,1-Dichloroethane	2.00	2.35		ug/L		117	70 - 130	8	30
1,1-Dichloroethene	2.00	2.18		ug/L		109	70 - 130	9	30
1,1-Dichloropropene	2.00	2.24		ug/L		112	70 - 130	9	30

Eurofins TestAmerica, Burlington

QC Sample Results

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

Job ID: 200-55605-1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-732938/4

Matrix: Water

Analysis Batch: 732938

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,3-Trichlorobenzene	2.00	1.96		ug/L		98	70 - 130	8	30
1,2,3-Trichloropropane	2.00	1.95		ug/L		97	70 - 130	2	30
1,2,4-Trichlorobenzene	2.00	1.96		ug/L		98	70 - 130	4	30
1,2,4-Trimethylbenzene	2.00	2.07		ug/L		104	70 - 130	8	30
1,2-Dichlorobenzene	2.00	1.94		ug/L		97	70 - 130	6	30
1,2-Dichloroethane	2.00	2.39		ug/L		120	70 - 130	6	30
1,2-Dichloropropane	2.00	2.41		ug/L		121	70 - 130	8	30
1,3,5-Trimethylbenzene	2.00	2.11		ug/L		106	70 - 130	9	30
1,3-Dichlorobenzene	2.00	1.98		ug/L		99	70 - 130	8	30
1,3-Dichloropropane	2.00	2.24		ug/L		112	70 - 130	7	30
1,4-Dichlorobenzene	2.00	1.96		ug/L		98	70 - 130	5	30
2,2-Dichloropropane	2.00	2.22		ug/L		111	70 - 130	4	30
2-Chlorotoluene	2.00	2.12		ug/L		106	70 - 130	7	30
4-Chlorotoluene	2.00	2.12		ug/L		106	70 - 130	9	30
4-Isopropyltoluene	2.00	2.06		ug/L		103	70 - 130	7	30
Benzene	2.00	2.25		ug/L		113	70 - 130	6	30
Bromobenzene	2.00	1.99		ug/L		100	70 - 130	6	30
Bromochloromethane	2.00	2.05		ug/L		103	70 - 130	4	30
Dichlorobromomethane	2.00	2.19		ug/L		110	70 - 130	7	30
Bromoform	2.00	1.89		ug/L		95	70 - 130	7	30
Bromomethane	2.00	2.26		ug/L		113	70 - 130	19	30
Carbon tetrachloride	2.00	2.07		ug/L		103	70 - 130	4	30
Chlorobenzene	2.00	2.07		ug/L		103	70 - 130	7	30
Chlorodibromomethane	2.00	1.95		ug/L		97	70 - 130	7	30
Chloroethane	2.00	2.54		ug/L		127	70 - 130	2	30
Chloroform	2.00	2.21		ug/L		110	70 - 130	8	30
Chloromethane	2.00	2.29		ug/L		114	70 - 130	8	30
cis-1,2-Dichloroethene	2.00	2.21		ug/L		111	70 - 130	7	30
cis-1,3-Dichloropropene	2.00	2.03		ug/L		102	70 - 130	7	30
Dibromomethane	2.00	2.16		ug/L		108	70 - 130	4	30
Dichlorodifluoromethane	2.00	2.03		ug/L		101	70 - 130	9	30
Ethylbenzene	2.00	2.09		ug/L		105	70 - 130	7	30
Hexachlorobutadiene	2.00	1.98		ug/L		99	70 - 130	11	30
Isopropylbenzene	2.00	2.14		ug/L		107	70 - 130	8	30
Methyl tert-butyl ether	2.00	2.07		ug/L		104	70 - 130	4	30
Methylene Chloride	2.00	2.20		ug/L		110	70 - 130	5	30
Naphthalene	2.00	1.99		ug/L		99	70 - 130	7	30
n-Butylbenzene	2.00	2.19		ug/L		109	70 - 130	8	30
N-Propylbenzene	2.00	2.13		ug/L		107	70 - 130	8	30
sec-Butylbenzene	2.00	2.20		ug/L		110	70 - 130	7	30
Styrene	2.00	2.01		ug/L		101	70 - 130	9	30
tert-Butylbenzene	2.00	2.00		ug/L		100	70 - 130	10	30
Tetrachloroethene	2.00	1.97		ug/L		99	70 - 130	6	30
Toluene	2.00	2.16		ug/L		108	70 - 130	8	30
trans-1,2-Dichloroethene	2.00	2.12		ug/L		106	70 - 130	8	30
trans-1,3-Dichloropropene	2.00	2.03		ug/L		101	70 - 130	3	30
Trichloroethene	2.00	2.16		ug/L		108	70 - 130	6	30
Trichlorofluoromethane	2.00	1.99		ug/L		99	70 - 130	8	30
Vinyl chloride	2.00	2.59		ug/L		129	70 - 130	7	30

Eurofins TestAmerica, Burlington

QC Sample Results

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

Job ID: 200-55605-1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-732938/4

Matrix: Water

Analysis Batch: 732938

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Xylenes, Total	6.00	6.13		ug/L		102	70 - 130	8	30
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene	103		70 - 130						
1,2-Dichlorobenzene-d4	97		70 - 130						

Method: 25101:2009 - Fluorinated Alkyl Substances

Lab Sample ID: MB 200-160348/1-A

Matrix: Water

Analysis Batch: 160364

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 160348

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.46	ng/L		10/23/20 11:30	10/23/20 22:46	1
Perfluorooctanoic acid (PFOA)	ND		2.0	0.98	ng/L		10/23/20 11:30	10/23/20 22:46	1
Perfluorononanoic acid (PFNA)	ND		2.0	0.58	ng/L		10/23/20 11:30	10/23/20 22:46	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.63	ng/L		10/23/20 11:30	10/23/20 22:46	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0	0.67	ng/L		10/23/20 11:30	10/23/20 22:46	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0	0.87	ng/L		10/23/20 11:30	10/23/20 22:46	1
Isotope Dilution	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac	
13C4 PFHpA	91		50 - 150			10/23/20 11:30	10/23/20 22:46	1	
13C4 PFOA	83		70 - 130			10/23/20 11:30	10/23/20 22:46	1	
13C5 PFNA	80		50 - 150			10/23/20 11:30	10/23/20 22:46	1	
13C3 PFBS	85		50 - 150			10/23/20 11:30	10/23/20 22:46	1	
18O2 PFHxS	84		50 - 150			10/23/20 11:30	10/23/20 22:46	1	
13C4 PFOS	75		70 - 130			10/23/20 11:30	10/23/20 22:46	1	

Lab Sample ID: LCS 200-160348/2-A

Matrix: Water

Analysis Batch: 160364

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 160348

Analysis Data: 10000										
Analyte	Spike		LCS	LCS	Unit	D	%Rec	%Rec.		
	Added	Result	Qualifier	Limits						
Perfluoroheptanoic acid (PFHpA)	40.0	39.1			ng/L		98	50 - 150		
Perfluorooctanoic acid (PFOA)	40.0	41.3			ng/L		103	70 - 130		
Perfluorononanoic acid (PFNA)	40.0	39.2			ng/L		98	50 - 150		
Perfluorobutanesulfonic acid (PFBS)	35.4	38.5			ng/L		109	50 - 150		
Perfluorohexanesulfonic acid (PFHxS)	36.4	34.6			ng/L		95	50 - 150		
Perfluorooctanesulfonic acid (PFOS)	37.1	37.6			ng/L		101	70 - 130		
	LCS		LCS							
Isotope Dilution	%Recovery	Qualifier	Limits							
13C4 PFHpA	114		50 - 150							
13C4 PFOA	102		70 - 130							
13C5 PFNA	101		50 - 150							
13C3 PFBS	99		50 - 150							
18O2 PFHxS	107		50 - 150							
13C4 PFOS	91		70 - 130							

Eurofins TestAmerica, Burlington

QC Sample Results

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

Job ID: 200-55605-1

Method: 25101:2009 - Fluorinated Alkyl Substances

Lab Sample ID: LCSD 200-160348/3-A

Matrix: Water

Analysis Batch: 160364

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 160348

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluoroheptanoic acid (PFHpA)	40.0	40.2		ng/L		101	50 - 150	3	20
Perfluorooctanoic acid (PFOA)	40.0	41.0		ng/L		102	70 - 130	1	20
Perfluorononanoic acid (PFNA)	40.0	41.7		ng/L		104	50 - 150	6	20
Perfluorobutanesulfonic acid (PFBS)	35.4	35.6		ng/L		101	50 - 150	8	20
Perfluorohexanesulfonic acid (PFHxS)	36.4	35.9		ng/L		99	50 - 150	4	20
Perfluorooctanesulfonic acid (PFOS)	37.1	38.0		ng/L		102	70 - 130	1	20

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
13C4 PFHpA	119		50 - 150
13C4 PFOA	106		70 - 130
13C5 PFNA	97		50 - 150
13C3 PFBS	109		50 - 150
18O2 PFHxS	108		50 - 150
13C4 PFOS	93		70 - 130

QC Association Summary

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

Job ID: 200-55605-1

GC/MS VOA

Analysis Batch: 732938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-55605-1	MW-2	Total/NA	Water	524.2	
200-55605-2	FIELD BLANK	Total/NA	Water	524.2	
200-55605-3	Trip Blank	Total/NA	Water	524.2	
MB 460-732938/7	Method Blank	Total/NA	Water	524.2	
LCS 460-732938/3	Lab Control Sample	Total/NA	Water	524.2	
LCSD 460-732938/4	Lab Control Sample Dup	Total/NA	Water	524.2	

LCMS

Prep Batch: 160348

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-55605-1	MW-2	Total/NA	Water	25101:2009 SPE	
200-55605-2	FIELD BLANK	Total/NA	Water	25101:2009 SPE	
MB 200-160348/1-A	Method Blank	Total/NA	Water	25101:2009 SPE	
LCS 200-160348/2-A	Lab Control Sample	Total/NA	Water	25101:2009 SPE	
LCSD 200-160348/3-A	Lab Control Sample Dup	Total/NA	Water	25101:2009 SPE	

Analysis Batch: 160364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-55605-1	MW-2	Total/NA	Water	25101:2009	160348
200-55605-2	FIELD BLANK	Total/NA	Water	25101:2009	160348
MB 200-160348/1-A	Method Blank	Total/NA	Water	25101:2009	160348
LCS 200-160348/2-A	Lab Control Sample	Total/NA	Water	25101:2009	160348
LCSD 200-160348/3-A	Lab Control Sample Dup	Total/NA	Water	25101:2009	160348

Lab Chronicle

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

Job ID: 200-55605-1

Client Sample ID: MW-2

Date Collected: 10/13/20 16:10

Date Received: 10/15/20 10:40

Lab Sample ID: 200-55605-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	732938	10/20/20 02:21	VBP	TAL EDI
Total/NA	Prep	25101:2009 SPE			160348	10/23/20 11:30	KFW	TAL BUR
Total/NA	Analysis	25101:2009		1	160364	10/23/20 23:11	BWC	TAL BUR

Client Sample ID: FIELD BLANK

Date Collected: 10/13/20 16:00

Date Received: 10/15/20 10:40

Lab Sample ID: 200-55605-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	732938	10/20/20 00:47	VBP	TAL EDI
Total/NA	Prep	25101:2009 SPE			160348	10/23/20 11:30	KFW	TAL BUR
Total/NA	Analysis	25101:2009		1	160364	10/23/20 23:19	BWC	TAL BUR

Client Sample ID: Trip Blank

Date Collected: 10/13/20 00:00

Date Received: 10/15/20 10:40

Lab Sample ID: 200-55605-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	732938	10/20/20 01:10	VBP	TAL EDI

Laboratory References:

TAL BUR = Eurofins TestAmerica, Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

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

Job ID: 200-55605-1

Laboratory: Eurofins TestAmerica, Burlington

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10391	04-01-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
25101:2009	25101:2009 SPE	Water	Perfluorobutanesulfonic acid (PFBS)
25101:2009	25101:2009 SPE	Water	Perfluoroheptanoic acid (PFHpA)
25101:2009	25101:2009 SPE	Water	Perfluorohexanesulfonic acid (PFHxS)
25101:2009	25101:2009 SPE	Water	Perfluorononanoic acid (PFNA)

Laboratory: Eurofins TestAmerica, Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
524.2		Water	m-Xylene & p-Xylene
524.2		Water	o-Xylene

Method Summary

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

Job ID: 200-55605-1

Method	Method Description	Protocol	Laboratory
524.2	Volatile Organic Compounds (GC/MS)	EPA-DW	TAL EDI
25101:2009	Fluorinated Alkyl Substances	ISO	TAL BUR
25101:2009 SPE	Solid-Phase Extraction (SPE)	ISO	TAL BUR

Protocol References:

EPA-DW = "Methods For The Determination Of Organic Compounds In Drinking Water", EPA/600/4-88/039, December 1988 And Its Supplements.

ISO = International Organization for Standardization

Laboratory References:

TAL BUR = Eurofins TestAmerica, Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

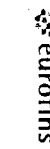
Client: New York State D.E.C.
Project/Site: Gladding Corporation #709009

Job ID: 200-55605-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
200-55605-1	MW-2	Water	10/13/20 16:10	10/15/20 10:40	
200-55605-2	FIELD BLANK	Water	10/13/20 16:00	10/15/20 10:40	
200-55605-3	Trip Blank	Water	10/13/20 00:00	10/15/20 10:40	

Chain of Custody Record

Syracuse
#2225



Environment Testing
America

Client Information		Sampler: <u>J. Mullins</u>		Lab PM: <u>Stone, Judy L</u>		Carrier Tracking No(s):		COC No: <u>480-151708-33716.1</u>	
Client Contact: <u>Jasmine Mullins</u>		Phone: <u>802-248-4208</u>		E-Mail: <u>Judy.Stone@Eurofins.com</u>		Page: <u>1 of 1</u>		Page: <u>1 of 1</u>	
Company: <u>ARCADIS U.S. Inc</u>		Due Date Requested: <u>STANDARD</u>		Analysis Requested:		Job #:		Preservation Codes:	
Address: <u>855 Route 146 Suite 210</u>		TAT Requested (days):		25101_2009 - PFAS, UCMR List		A-HCL		M-Hexane	
City: <u>Clifton Park</u>		STANDARD		SUBCONTRACT - 522 1,4-Dioxane (Eaton)		B-NaOH		N-None	
State Zip: <u>NY, 12065</u>		PO #:		524.2_Preserved - 524.2 DW List <u>Edison</u>		C-Zn Acetate		O-AsNaO2	
Phone: <u>518-402-9625(Tel)</u>		Callout ID: <u>139083</u>		Total Number of Containers: <u>2</u>		D-Nitric Acid		P-Na2O4S	
Email: <u>jasymine.mullins@arcadis.com</u>		Project #:		Special Instructions/Note:		E-NaHSO4		Q-Na2SO3	
Project Name: <u>Gladding Corporation #709009</u>		SSOW#:		200-55605 Chain of Custody		F-MeOH		R-Na2S2O3	
Site: <u>GLADDING CORP</u>		Sample Identification		Sample Date		G-Ambiclor		S-H2SO4	
		Sample Type		Sample Time		H-Ascorbic Acid		T-TSP Dodecahydrate	
		Matrix		Matrix		I-Ice		U-Acetone	
		(W-Water, S-Soil, G-Graffiti, BR-Brown, AA-Air)		Matrix		J-DI Water		V-MCAA	
		Sample Type (C=Comp, G=Grab)		Matrix		K-EDTA		W-pH 4.5	
		Sample Date		Matrix		L-EDA		Z-other (specify)	
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Environment Testing
TestAmerica

ORIGIN ID:SYRA (315) 431-0171
SYR SERVICE CENTER
EUROFINS TESTAMERICA
118 BOSS RD

SYRACUSE, NY 13211
UNITED STATES US

SHIP DATE: 14OCT20
ACTWGT: 20.00 LB MAN
CAD: 0883373/CAFE3407

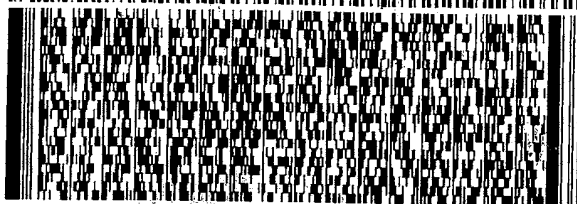
BILL RECIPIENT

TO **SAMPLE RECEIVING**
TESTAMERICA BURLINGTON
30 COMMUNITY DRIVE SUITE 11

SOUTH BURLINGTON VT 05403

(802) 860-1980

REF: ARCADIS GLADDING 2 COOLERS



FedEx
Express

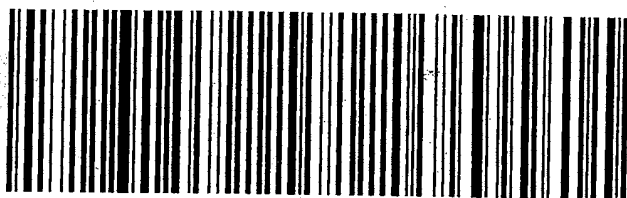


1 of 2
TRK# 1870 7198 4976
0201
MASTER

NL BTVA

THU - 15 OCT 10:30A
PRIORITY OVERNIGHT

05403
VT-US BTV



Environment Testing
TestAmerica

ORIGIN ID:SYRA (315) 431-0171
SYR SERVICE CENTER
EUROFINS TESTAMERICA
118 BOSS RD

SYRACUSE, NY 13211
UNITED STATES US

SHIP DATE: 14OCT20
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CAD: 0883373/CAFE3407

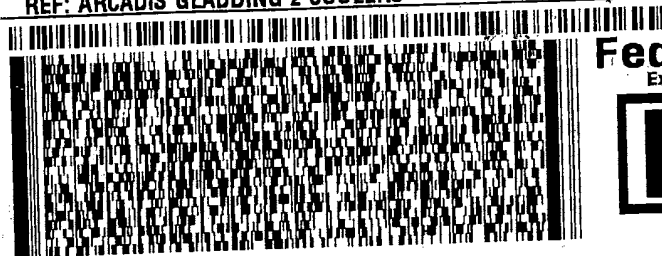
BILL RECIPIENT

TO **SAMPLE RECEIVING**
TESTAMERICA BURLINGTON
30 COMMUNITY DRIVE SUITE 11

SOUTH BURLINGTON VT 05403

(802) 860-1980

REF: ARCADIS GLADDING 2 COOLERS



FedEx
Express

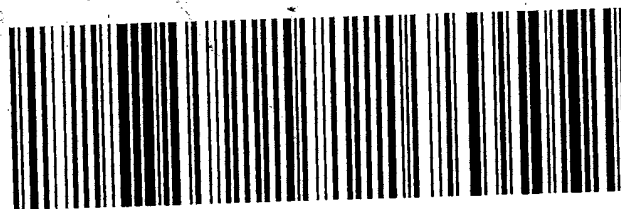


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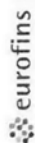
NL BTVA

THU - 15 OCT 10:30A
PRIORITY OVERNIGHT

05403
VT-US BTV



Chain of Custody Record



Client Information (Sub Contract Lab) Client Contact: _____ Shipping/Receiving: _____ Company: TestAmerica Laboratories, Inc. Address: 777 New Durham Road, City: Edison State, Zip: NJ, 08817 Phone: 732-549-3900(Tel) 732-549-3679(Fax) Email: _____ Project Name: Gladding Corporation #709009 Site: _____		Lab PM: Stone, Judy L E-Mail: Judy.Stone@Eurofinset.com Accreditations Required (See note): NELAP - New York	Carrier Tracking No(s): 200-44865.1 State of Origin: New York Page: Page 1 of 1 Job #: 200-55605-1	COC No: 200-44865.1 Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: _____ M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)
Analysis Requested Due Date Requested: 10/27/2020 TAT Requested (days): _____ PO #: _____ WO #: _____ Project #: 48022018 SSOW#: _____		524.2 Preserved/ (MOD) Standard Analyte list Perform MS/MSD (Yes or No) ☒ X Field Filtered Sample (Yes or No) ☒ X Total Number of containers ☒ X		
Sample Identification - Client ID (Lab ID) MW-2 (200-55605-1) FIELD BLANK (200-55605-2) Trip Blank (200-55605-3)	Sample Date 10/13/20 10/13/20 10/13/20	Sample Time 16:10 Eastern 16:00 Eastern Eastern	Sample Type (C=Comp, G=grab) Preservation Code: Matrix (W=water, S=solid, O=wastewater, BT=tissue, A=air) Water Water Water	
Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.				
Possible Hazard Identification Unconfirmed Deliverable Requested: I, II, III, IV, Other (specify) _____ Primary Deliverable Rank: 2 Empty Kit Relinquished by: _____ Date: _____ Relinquished by: _____ Date/Time: 10/16/20 1345 Relinquished by: _____ Date/Time: _____ Relinquished by: _____ Date/Time: _____ Custody Seal No.: 1109558 Custody Seals Intact: ☒ Yes ☐ No				
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months Special Instructions/QC Requirements: _____ Method of Shipment: FedEx Date/Time: 10/17/20 11:20 Date/Time: _____ Date/Time: _____ Cooler Temperature(s) °C and Other Remarks: 9.30C IRI				

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 200-55605-1

Login Number: 55605

List Number: 1

Creator: Jaffe, Nat S

List Source: Eurofins TestAmerica, Burlington

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	Lab does not accept radioactive samples
The cooler's custody seal, if present, is intact.	True	1313491, -492
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	1.2°C, 1.4°C
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	JM
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.	N/A	
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	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 200-55605-1

Login Number: 55605

List Number: 2

Creator: Armbruster, Chris

List Source: Eurofins TestAmerica, Edison

List Creation: 10/17/20 02:09 PM

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	1109558
Sample custody seals, if present, are intact.	N/A	
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	0.3°C IR11
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 containers received 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	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

Job Number: 200-55605-2

Job Description: Gladding Corporation #709009

Contract Number: C100700

For:

New York State D.E.C.

625 Broadway

4th Floor

Albany, NY 12233

Attention: Mr. Payson Long



Approved for release.
Judy L Stone
Senior Project Manager
11/10/2020 11:37 AM

Judy L Stone, Senior Project Manager
10 Hazelwood Drive, Amherst, NY, 14228-2298
(484)685-0868
Judy.Stone@Eurofinset.com
11/10/2020

cc: Jasmine Mullins
Kimberly Stilson

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project Manager who has signed this report. TestAmerica Buffalo NELAC Certifications: CADPH 01169CA, FLDOH E87672, ILEPA 200003, KSDOH E-10187, LADEQ 30708, MDH 036-999-337, NHELAP 2973, NJDEP NY455, NYDOH 10026, ORELAP NY200003, PADEP 68-00281, TXCEQ T-104704412-10-1

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Eurofins TestAmerica, Burlington

30 Community Drive, Suite 11, South Burlington, VT 05403

Tel (802) 660-1990 Fax (802) 660-1919 www.testamericainc.com



Job Number: 200-55605-2

Job Description: Gladding Corporation #709009

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.

A handwritten signature in black ink that reads "Judy L Stone". The signature is written in a cursive style with a horizontal line underneath it.

Approved for release.
Judy L Stone
Senior Project Manager
11/10/2020 11:37 AM

Judy L Stone

Table of Contents

Cover Title Page	1
Data Summaries	4
Report Narrative	4
Sample Summary	5
Method Summary	6
Subcontracted Data	7
Shipping and Receiving Documents	47
Client Chain of Custody	48
Sample Receipt Checklist	50

Job Narrative
200-55605-2

Comments

This report includes the data for method 522; the PFAS data were previously reported in job 200-55605-1. The Eurofins Eaton data are included in the Subcontract section.

Receipt

The samples were received on 10/15/2020 10:40 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 1.2° C and 1.4° C.

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

Sample Summary

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

Job ID: 200-55605-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
200-55605-1	MW-2	Water	10/13/20 16:10	10/15/20 10:40	
200-55605-2	FIELD BLANK	Water	10/13/20 16:00	10/15/20 10:40	

Method Summary

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

Job ID: 200-55605-2

Method	Method Description	Protocol	Laboratory
Subcontract	General Subcontract Method	None	Eurofin SB

Protocol References:

None = None

Laboratory References:

Eurofin SB = Eurofins Eaton Analytical, 110 S Hill Street, South Bend, IN 46617

Subcontract Data

LABORATORY REPORT

If you have any questions concerning this report, please do not hesitate to call us at (800) 332-4345 or (574) 233-4777.

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STATE CERTIFICATION LIST

State	Certification	State	Certification
Alabama	40700	Missouri	880
Alaska	IN00035	Montana	CERT0026
Arizona	AZ0432	Nebraska	NE-OS-05-04
Arkansas	IN00035	Nevada	IN00035
California	2920	New Hampshire*	2124
Colorado	IN00035	New Jersey*	IN598
Colorado Radiochemistry	IN00035	New Mexico	IN00035
Connecticut	PH-0132	New York*	11398
Delaware	IN035	North Carolina	18700
Florida(Primary AB)*	E87775	North Dakota	R-035
Georgia	929	Ohio	87775
Hawaii	IN035	Oklahoma	D9508
Idaho	IN00035	Oregon*	4156
Illinois*	200001	Pennsylvania*	68-00466
Illinois Microbiology	17767	Puerto Rico	IN00035
Illinois Radiochemistry	IN00035	Rhode Island	LAO00343
Indiana Chemistry	C-71-01	South Carolina	95005
Indiana Microbiology	M-76-07	South Dakota	IN00035
Iowa	098	Tennessee	TN02973
Kansas*	E-10233	Texas*	T104704187
Kentucky	90056	Texas/TCEQ	TX207
Louisiana*	LA014	Utah*	IN00035
Maine	IN00035	Vermont	VT-8775
Maryland	209	Virginia*	460275
Massachusetts	M-IN035	Washington	C837
Michigan	9926	West Virginia	9927 C
Minnesota*	018-999-338	Wisconsin	999766900
Mississippi	IN035	Wyoming	IN035
EPA	IN00035		

*NELAP/TNI Recognized Accreditation Bodies

NELAC NARRATIVE PAGE

Client: TestAmerica

Report #: 501385NP

Eurofins Eaton Analytical, LLC is a NELAP accredited laboratory. All reported results meet the requirements of the NELAC standards, unless otherwise noted.

EEA contact person: Jaclyn Gatchell

NELAP requires complete reporting of deviations from method requirements, regardless of the suspected impact on the data. Quality control failures not reported within the report summary are noted here.

There were no quality control failures.

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10/29/2020

Authorized Signature

Title

Date

Page 1 of 1

110 South Hill Street
 South Bend, IN 46617
 Tel: (574) 233-4777
 Fax: (574) 233-8207
 1 800 332 4345

Laboratory Report

Client: TestAmerica

Attn: Judy Stone
 10 Hazelwood Drive
 Amherst, NY 14228

Report: 501385
 Priority: Standard Written
 Status: Final
 PWS ID: Not Supplied
 Lab ELAP #: 11398

Sample Information					
EEA ID #	Client ID	Method	Collected Date / Time	Collected By:	Received Date / Time
4753020	MW-2	522	10/13/20 16:10	Client	10/17/20 09:30
4753021	Field Blank	522	10/13/20 16:00	Client	10/17/20 09:30

Report Summary

Note: See attached page for additional comments.

Project: Gladding Corporation #709009

Detailed quantitative results are presented on the following pages. The results presented relate only to the samples provided for analysis.

We appreciate the opportunity to provide you with this analysis. If you have any questions concerning this report, please do not hesitate to call Jaclyn Gatchell at (574) 233-4777.

Note: This report may not be reproduced, except in full, without written approval from EEA. EEA is accredited by the National Environmental Laboratory Accreditation Program (NELAP).

Jaclyn Gatchell asm

Authorized Signature

Title

10/29/2020

Date

Client Name: TestAmerica

Report #: 501385

Client Name: TestAmerica

Report #: 501385

Sampling Point: MW-2

PWS ID: Not Supplied

Volatile Organic Chemicals									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
123-91-1	1,4-Dioxane	522	1 *	0.07	< 0.07	ug/L	10/20/20 08:05	10/22/20 00:50	4753020

Sampling Point: Field Blank

PWS ID: Not Supplied

Volatile Organic Chemicals									
Analyte ID #	Analyte	Method	Reg Limit	MRL†	Result	Units	Preparation Date	Analyzed Date	EEA ID #
123-91-1	1,4-Dioxane	522	1 *	0.07	< 0.07	ug/L	10/20/20 08:05	10/22/20 01:19	4753021

† EEA has demonstrated it can achieve these report limits in reagent water, but can not document them in all sample matrices.

Reg Limit Type:	MCL	SMCL	AL
Symbol:	*	^	!

Lab Definitions

Continuing Calibration Check Standard (CCC) / Continuing Calibration Verification (CCV) / Initial Calibration Verification Standard (ICV) / Initial Performance Check (IPC) - is a standard containing one or more of the target analytes that is prepared from the same standards used to calibrate the instrument. This standard is used to verify the calibration curve at the beginning of each analytical sequence, and may also be analyzed throughout and at the end of the sequence. The concentration of continuing standards may be varied, when prescribed by the reference method, so that the range of the calibration curve is verified on a regular basis. CCL, CCM, and CCH are the CCC standards at low, mid, and high concentration levels, respectively.

Internal Standards (IS) - are pure compounds with properties similar to the analytes of interest, which are added to field samples or extracts, calibration standards, and quality control standards at a known concentration. They are used to measure the relative responses of the analytes of interest and surrogates in the sample, calibration standard or quality control standard.

Laboratory Duplicate (LD) - is a field sample aliquot taken from the same sample container in the laboratory and analyzed separately using identical procedures. Analysis of laboratory duplicates provides a measure of the precision of the laboratory procedures.

Laboratory Fortified Blank (LFB) / Laboratory Control Sample (LCS) - is an aliquot of reagent water to which known concentrations of the analytes of interest are added. The LFB is analyzed exactly the same as the field samples. LFBs are used to determine whether the method is in control. FBL, FBM, and FBH are the LFB samples at low, mid, and high concentration levels, respectively.

Laboratory Method Blank (LMB) / Laboratory Reagent Blank (LRB) - is a sample of reagent water included in the sample batch analyzed in the same way as the associated field samples. The LMB is used to determine if method analytes or other background contamination have been introduced during the preparation or analytical procedure. The LMB is analyzed exactly the same as the field samples.

Laboratory Trip Blank (LTB) / Field Reagent Blank (FRB) - is a sample of laboratory reagent water placed in a sample container in the laboratory and treated as a field sample, including storage, preservation, and all analytical procedures. The FRB/LTB container follows the collection bottles to and from the collection site, but the FRB/LTB is not opened at any time during the trip. The FRB/LTB is primarily a travel blank used to verify that the samples were not contaminated during shipment.

If applicable, the calculation of the matrix spike (MS) or matrix spike duplicate (MSD) percent recovery is as follows: $(\text{MS or MSD value} - \text{Sample value}) \times 100 / \text{spike target} / \text{dilution factor} = \text{Recovery \%}$

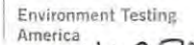
Matrix Spike Duplicate Sample (MSD) / Laboratory Fortified Sample Matrix Duplicate (LFSMD) - is a sample aliquot taken from the same field sample source as the Matrix Spike Sample to which known quantities of the analytes of interest are added in the laboratory. The MSD is analyzed exactly the same as the field samples. Analysis of the MSD provides a measure of the precision of the laboratory procedures in a specific matrix. SDL, SDM, and SDH / LFSMDL, LFSMDM, and LFSMDH are the MSD or LFSMD at low, mid, and high concentration levels, respectively.

Matrix Spike Sample (MS) / Laboratory Fortified Sample Matrix (LFSM) - is a sample aliquot taken from field sample source to which known quantities of the analytes of interest are added in the laboratory. The MS is analyzed exactly the same as the field samples. The purpose is to demonstrate recovery of the analytes from a sample matrix to determine if the specific matrix contributes bias to the analytical results. MSL, MSM, and MSH / LFSML, LFSMM, and LFSMH are the MS or LFSM at low, mid, and high concentration levels, respectively.

Quality Control Standard (QCS) / Second Source Calibration Verification (SSCV) - is a solution containing known concentrations of the analytes of interest prepared from a source different from the source of the calibration standards. The solution is obtained from a second manufacturer or lot if the lot can be demonstrated by the manufacturer as prepared independently from other lots. The QCS sample is analyzed using the same procedures as field samples. The QCS is used as a check on the calibration standards used in the method on a routine basis.

Reporting Limit Check (RLC) / Initial Calibration Check Standard (ICCS) - is a procedural standard that is analyzed each day to evaluate instrument performance at or below the minimum reporting limit (MRL).

Surrogate Standard (SS) / Surrogate Analyte (SUR) - is a pure compound with properties similar to the analytes of interest, which is highly unlikely to be found in any field sample, that is added to the field samples, calibration standards, blanks and quality control standards before sample preparation. The SS is used to evaluate the efficiency of the sample preparation process.



409701

Ver: 01/16/2019

Eurofins Eaton Analytical Run Log

Run ID: **281223** Method: **522**

<u>Type</u>	<u>Sample Id</u>	<u>Sample Site</u>	<u>Matrix</u>	<u>Instrument ID</u>	<u>Analysis Date</u>	<u>Calibration File</u>
CCL	4754357	MW-2 Field Blank	OS	DM	10/21/2020 10:20	522-10082020-DM.M
LRB	4753889		RW	DM	10/21/2020 10:51	522-10082020-DM.M
FBL	4753890		RW	DM	10/21/2020 11:22	522-10082020-DM.M
FBH	4753891		RW	DM	10/21/2020 11:53	522-10082020-DM.M
CCM	4754358		OS	DM	10/21/2020 18:38	522-10082020-DM.M
FS	4753020		DW	DM	10/22/2020 00:50	522-10082020-DM.M
FTB	4753021		RW	DM	10/22/2020 01:19	522-10082020-DM.M
CCH	4754359		OS	DM	10/22/2020 02:51	522-10082020-DM.M

QC Summary Report

Sample Type	Analyte	Method	MRL	Client ID	Result Flag	Amount	Target	Units	% Recovery	Recovery Limits	RPD	RPD Limit	Dil Factor	Extracted	Analyzed	EEA ID #
CCL	IS-Tetrahydrofuran-d8	522	N/A	---		94165	94165	ug/L	100	50 - 150	---	---	1.0	10/20/2020 12:49	10/21/2020 10:20	4754357
CCL	SS-1,4-Dioxane-d8	522	N/A	---		9.8900	10.0	ug/L	99	70 - 130	---	---	1.0	10/20/2020 12:49	10/21/2020 10:20	4754357
CCL	1,4-Dioxane	522	0.07	---		0.0770	0.07	ug/L	110	50 - 150	---	---	1.0	10/20/2020 12:49	10/21/2020 10:20	4754357
LRB	IS-Tetrahydrofuran-d8	522	N/A	---		96664	94165	ug/L	103	50 - 150	---	---	1.0	10/20/2020 08:05	10/21/2020 10:51	4753889
LRB	SS-1,4-Dioxane-d8	522	N/A	---		8.6700	10.0	ug/L	87	70 - 130	---	---	1.0	10/20/2020 08:05	10/21/2020 10:51	4753889
LRB	1,4-Dioxane	522	0.07	---	<	0.07		ug/L	---	---	---	---	1.0	10/20/2020 08:05	10/21/2020 10:51	4753889
FBL	IS-Tetrahydrofuran-d8	522	N/A	---		92628	94165	ug/L	98	50 - 150	---	---	1.0	10/20/2020 08:05	10/21/2020 11:22	4753890
FBL	SS-1,4-Dioxane-d8	522	N/A	---		8.4500	10.0	ug/L	84	70 - 130	---	---	1.0	10/20/2020 08:05	10/21/2020 11:22	4753890
FBL	1,4-Dioxane	522	0.07	---		0.0790	0.07	ug/L	113	50 - 150	---	---	1.0	10/20/2020 08:05	10/21/2020 11:22	4753890
FBH	IS-Tetrahydrofuran-d8	522	N/A	---		96787	94165	ug/L	103	50 - 150	---	---	1.0	10/20/2020 08:05	10/21/2020 11:53	4753891
FBH	SS-1,4-Dioxane-d8	522	N/A	---		8.6400	10.0	ug/L	86	70 - 130	---	---	1.0	10/20/2020 08:05	10/21/2020 11:53	4753891
FBH	1,4-Dioxane	522	0.07	---		8.9770	10.0	ug/L	90	70 - 130	---	---	1.0	10/20/2020 08:05	10/21/2020 11:53	4753891
CCM	IS-Tetrahydrofuran-d8	522	N/A	---		92853	92853	ug/L	100	50 - 150	---	---	1.0	10/20/2020 12:49	10/21/2020 18:38	4754358
CCM	SS-1,4-Dioxane-d8	522	N/A	---		10.5500	10.0	ug/L	106	70 - 130	---	---	1.0	10/20/2020 12:49	10/21/2020 18:38	4754358
CCM	1,4-Dioxane	522	0.07	---		1.0100	1.0	ug/L	101	70 - 130	---	---	1.0	10/20/2020 12:49	10/21/2020 18:38	4754358
FS	IS-Tetrahydrofuran-d8	522	N/A	MW-2		97628	92853	ug/L	105	50 - 150	---	---	1.0	10/20/2020 08:05	10/22/2020 00:50	4753020
FS	SS-1,4-Dioxane-d8	522	N/A	MW-2		8.5100	10.0	ug/L	85	70 - 130	---	---	1.0	10/20/2020 08:05	10/22/2020 00:50	4753020
FS	1,4-Dioxane	522	0.07	MW-2	<	0.07		ug/L	---	---	---	---	1.0	10/20/2020 08:05	10/22/2020 00:50	4753020
FTB	IS-Tetrahydrofuran-d8	522	N/A	Field Blank		99373	92853	ug/L	107	50 - 150	---	---	1.0	10/20/2020 08:05	10/22/2020 01:19	4753021
FTB	SS-1,4-Dioxane-d8	522	N/A	Field Blank		8.7800	10.0	ug/L	88	70 - 130	---	---	1.0	10/20/2020 08:05	10/22/2020 01:19	4753021
FTB	1,4-Dioxane	522	0.07	Field Blank	<	0.07		ug/L	---	---	---	---	1.0	10/20/2020 08:05	10/22/2020 01:19	4753021
CCH	IS-Tetrahydrofuran-d8	522	N/A	---		98380	98380	ug/L	100	50 - 150	---	---	1.0	10/20/2020 12:49	10/22/2020 02:51	4754359
CCH	SS-1,4-Dioxane-d8	522	N/A	---		10.2500	10.0	ug/L	102	70 - 130	---	---	1.0	10/20/2020 12:49	10/22/2020 02:51	4754359
CCH	1,4-Dioxane	522	0.07	---		9.9720	10.0	ug/L	100	70 - 130	---	---	1.0	10/20/2020 12:49	10/22/2020 02:51	4754359

Sample Type Key

Type (Abbr.)**Sample Type****Type (Abbr.)****Sample Type**

CCH	Continuing Calibration High
CCL	Continuing Calibration Low
CCM	Continuing Calibration Mid
FS	Field Sample
FTB	Field Trip Blank
FBH	Fortified Blank High
FBL	Fortified Blank Low
FBM	Fortified Blank Mid
LRB	Laboratory Reagent Blank

END OF REPORT

LAELED CHROMATOGRAM REPORT

EPA Method 522

Eurofins Eaton Analytical

Lab Sample ID: C-007-1A.D

Correction Factor: 1

Analyst: SMP

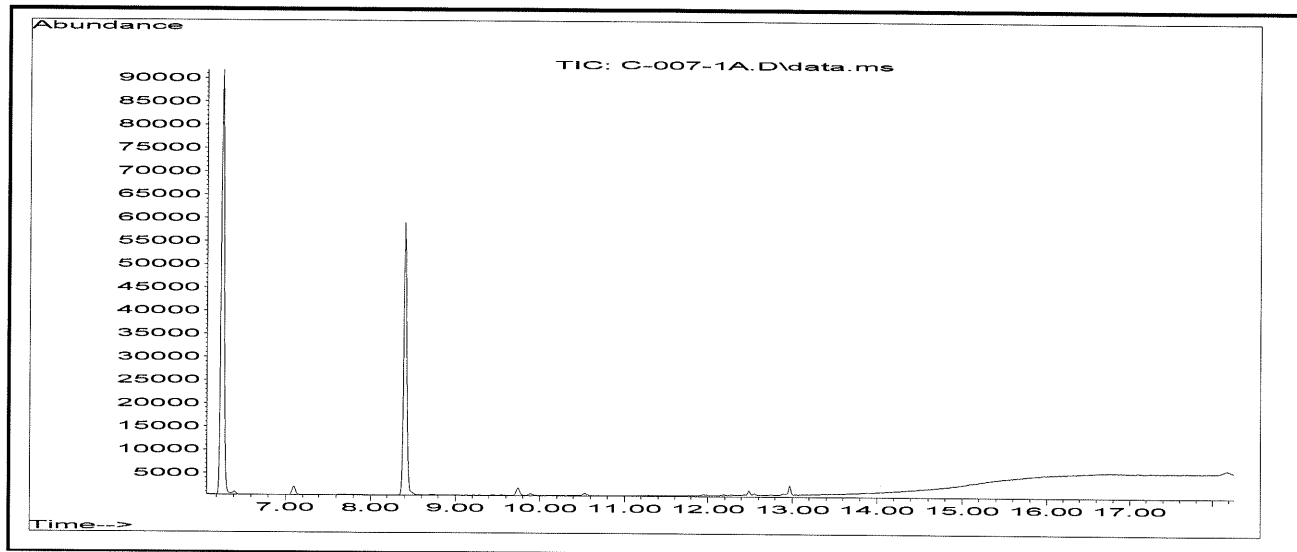
Instrument: DM

Acquisition Date: 10/21/2020 10:20

Data File: C:\DM\102120a\

Recalc Method: C:\DM\102120a\522-10082020-DM.M

Comment: C-007-1A\SMP\4754357\CCL\OS\522\1\0.07\ CCL



Compound	R.T.	Area	Q Ion	Status Code	Conc	TSV	Units	Purity
IS-THF-d8	6.26	94165	46.1	0	10.00	0.00	ug/L	
SS-1,4-Dioxane-d8	8.40	79974	96.1	0	9.89	0.00	ug/L	
1,4-Dioxane	8.49	751	88.1	0	0.077	0.07	ug/L	96

93% compared to preceding CCC

See printout

SMP
10/22/2020

Quantitation Report (QT Reviewed)

Data Path : C:\DM\102020a\
 Data File : C-1-1A.D
 Acq On : 20 Oct 2020 04:19 pm
 Operator : SMP
 Sample : C-1-1A
 Misc : C-1-1A\SMP\4754355\CCM\OS\522\1\1\ CCM
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 21 06:44:31 2020
 Quant Method : C:\DM\102020a\522-10082020-DM.M
 Quant Title : 522-051811
 QLast Update : Mon Oct 12 10:45:48 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) IS-THF-d8	6.260	46	101384	10.00	ug/L	0.00
System Monitoring Compounds						
2) SS-1,4-Dioxane-d8	8.403	96	83781	9.62	ug/L	0.00
Spiked Amount	10.000	Range	70 - 130	Recovery	=	96.20%
Target Compounds						
3) 1,4-Dioxane	8.476	88	7796	0.892	ug/L	Qvalue 96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

522-10082020-DM.M Wed Oct 21 10:15:56 2020 DM

LAELED CHROMATOGRAM REPORT

EPA Method 522

Eurofins Eaton Analytical

Lab Sample ID: MB-522-1A.D

Correction Factor: 1

Analyst: SMP

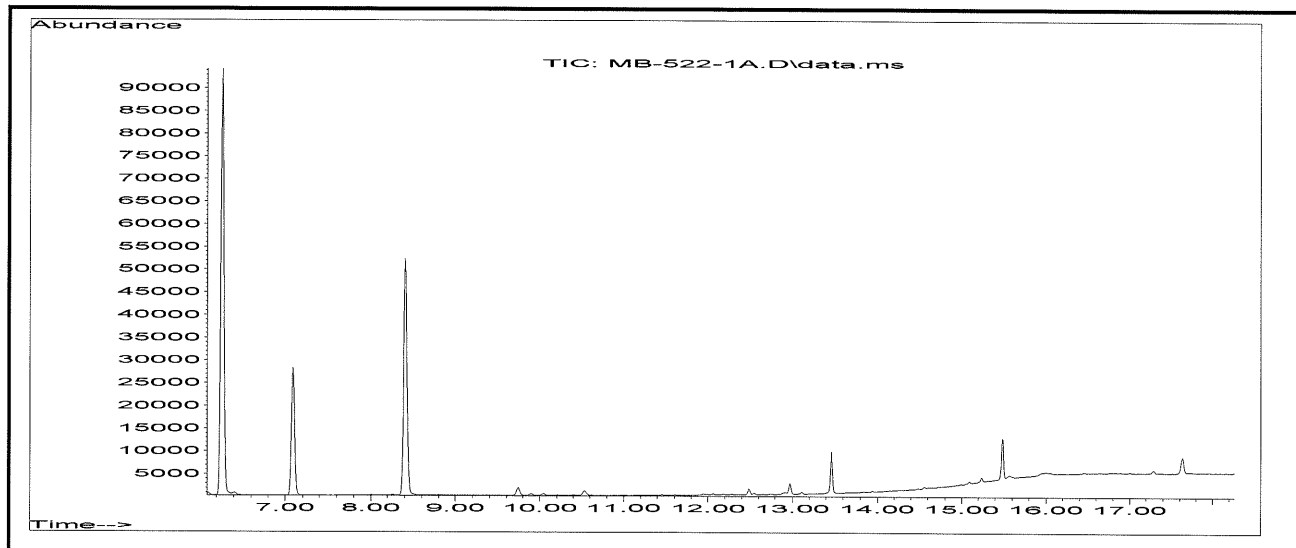
Instrument: DM

Acquisition Date: 10/21/2020 10:51

Data File: C:\DM\102120a\

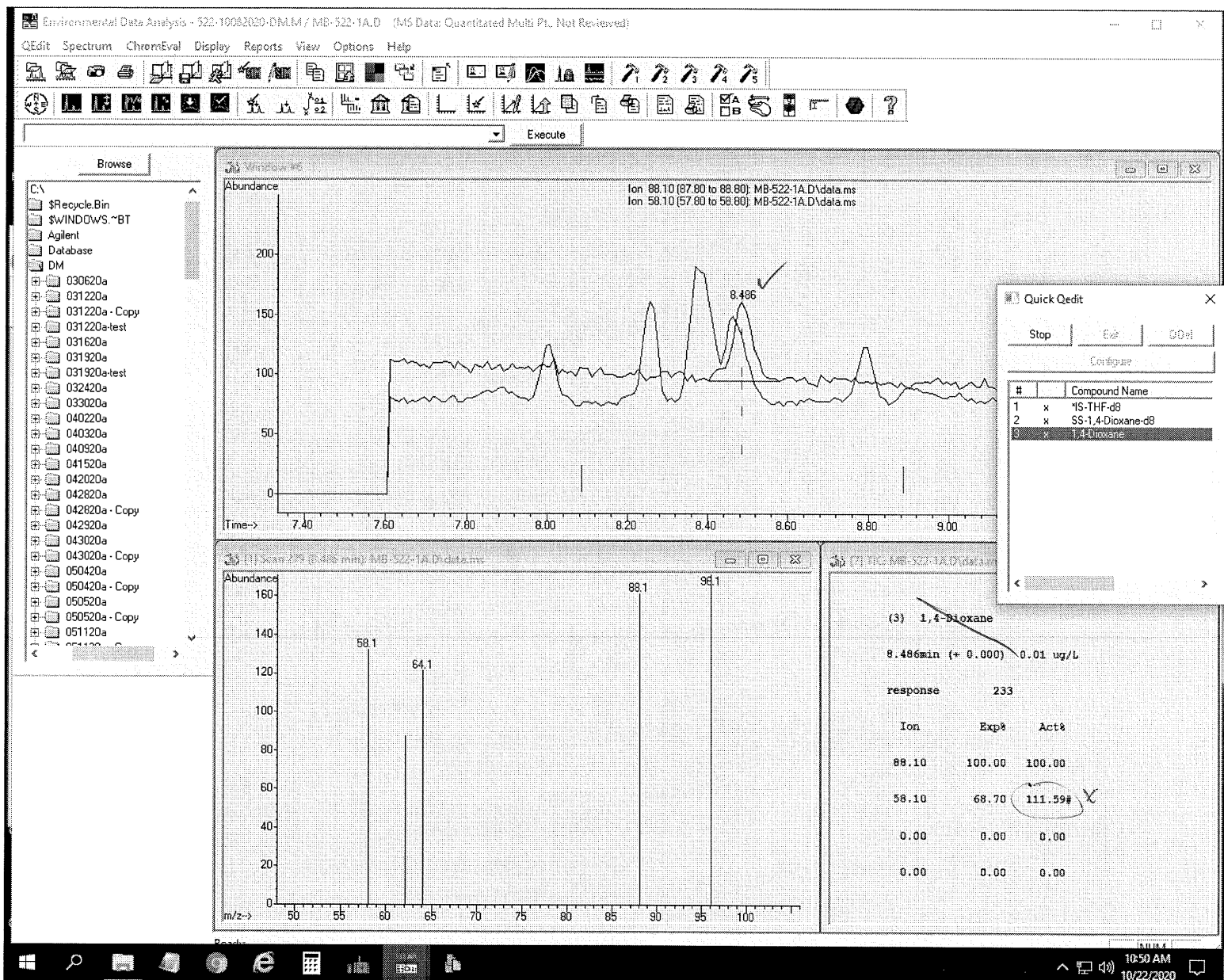
Recalc Method: C:\DM\102120a\522-10082020-DM.M

Comment: MB-522-1A\SMP\4753889\LRB\RM\522\1\ LRB



Compound	R.T.	Area	Q Ion	Status Code	Conc	TSV	Units	Purity
IS-THF-d8	6.27	96664	46.1	0	10.00	0.00	ug/L	
SS-1,4-Dioxane-d8	8.41	71998	96.1	0	8.67	0.00	ug/L	
1,4-Dioxane	8.49	233	88.1	0	~~0.011~~	0.07	ug/L	96

① SMP
10626000



x-Ratio also outside +/-20% compared to
CCM
SNP 0
10/22/2020

LABELED CHROMATOGRAM REPORT

EPA Method 522

Eurofins Eaton Analytical

Lab Sample ID: FBL-007-1A.D

Correction Factor: 1

Analyst: SMP

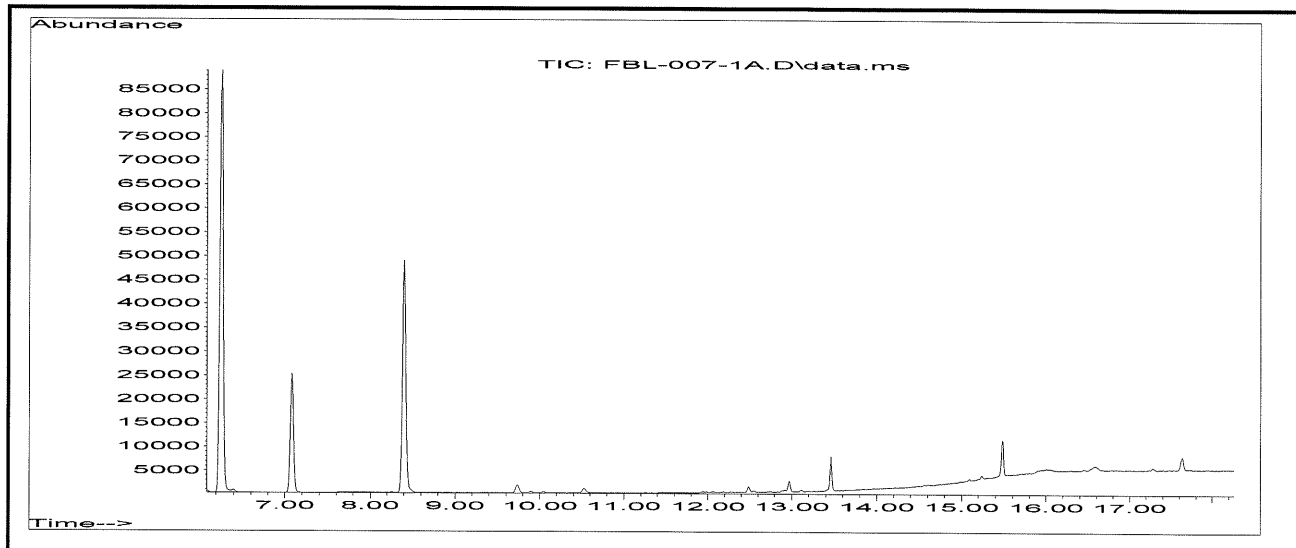
Instrument: DM

Acquisition Date: 10/21/2020 11:22

Data File: C:\DM\102120a\

Recalc Method: C:\DM\102120a\522-10082020-DM.M

Comment: FBL-007-1A\SMP\4753890\FBL\RW\522\1\0.07\FBL



Compound	R.T.	Area	Q Ion	Status Code	Conc	TSV	Units	Purity
IS-THF-d8	6.25	92628	46.1	0	10.00	0.00	ug/L	
SS-1,4-Dioxane-d8	8.40	67215	96.1	0	8.45	0.00	ug/L	
1,4-Dioxane	8.48	755	88.1	0	0.079	0.07	ug/L	97

LAELED CHROMATOGRAM REPORT

EPA Method 522

Eurofins Eaton Analytical

Lab Sample ID: FBH-10-1A.D

Correction Factor: 1

Analyst: SMP

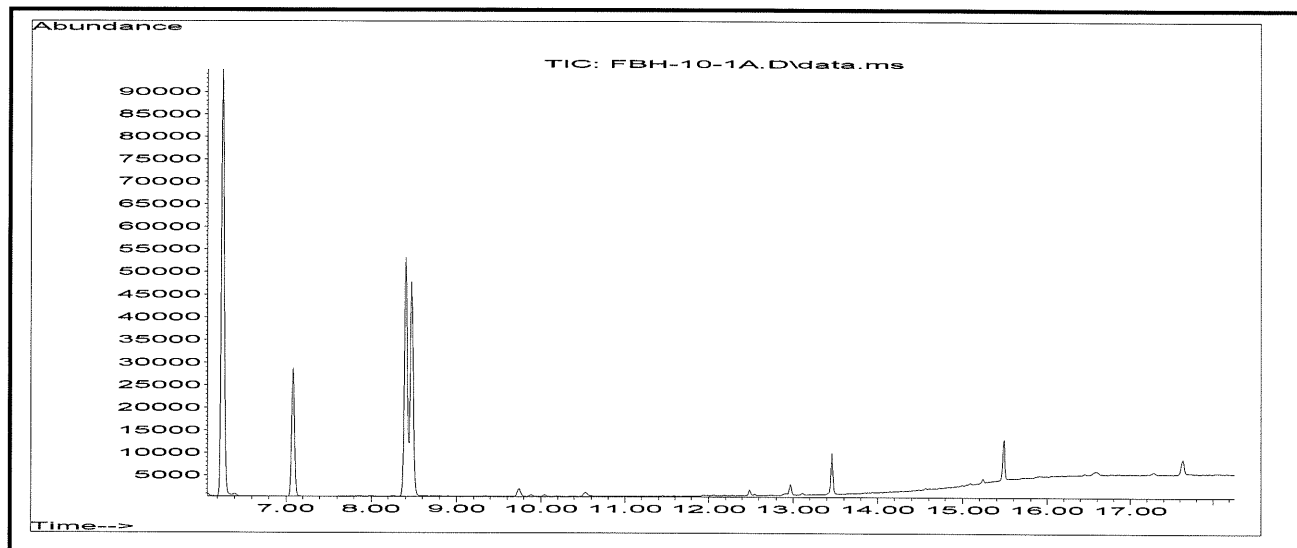
Instrument: DM

Acquisition Date: 10/21/2020 11:53

Data File: C:\DM\102120a\

Recalc Method: C:\DM\102120a\522-10082020-DM.M

Comment: FBH-10-1A\SMP\4753891\FBM\RM\522\11\10\FBH



Compound	R.T.	Area	Q Ion	Status Code	Conc	TSV	Units	Purity
IS-THF-d8	6.26	96787	46.1	0	10.00	0.00	ug/L	
SS-1,4-Dioxane-d8	8.40	71808	96.1	0	8.64	0.00	ug/L	
1,4-Dioxane	8.48	73573	88.1	0	8.977	0.07	ug/L	97

LABELED CHROMATOGRAM REPORT

EPA Method 522

Eurofins Eaton Analytical

Lab Sample ID: C-1-1A.D

Correction Factor: 1

Analyst: SMP

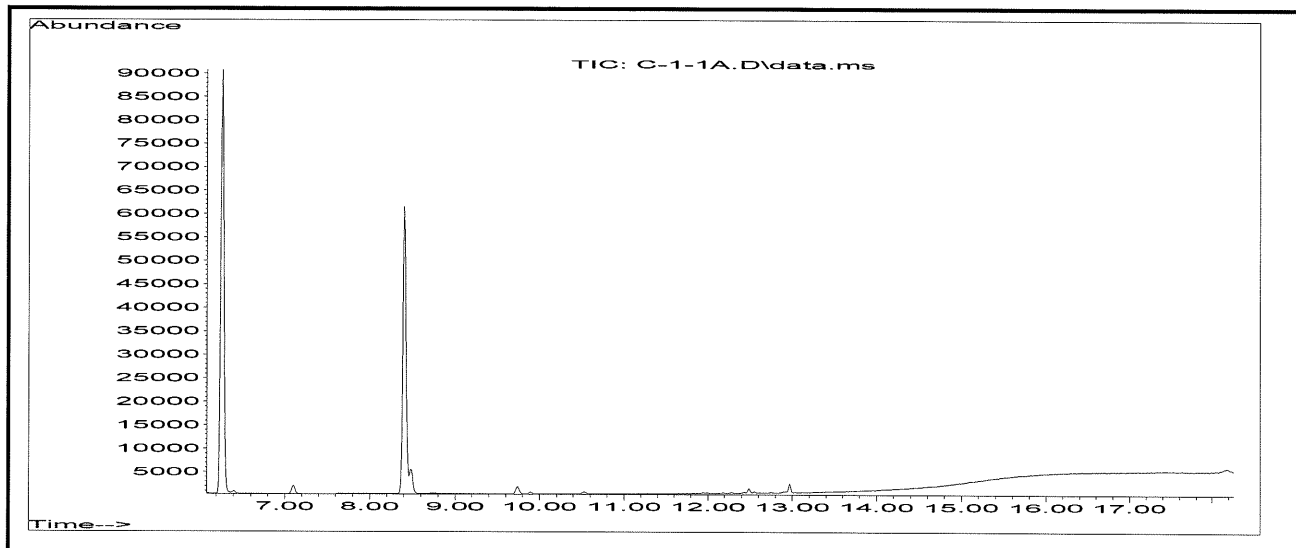
Instrument: DM

Acquisition Date: 10/21/2020 18:38

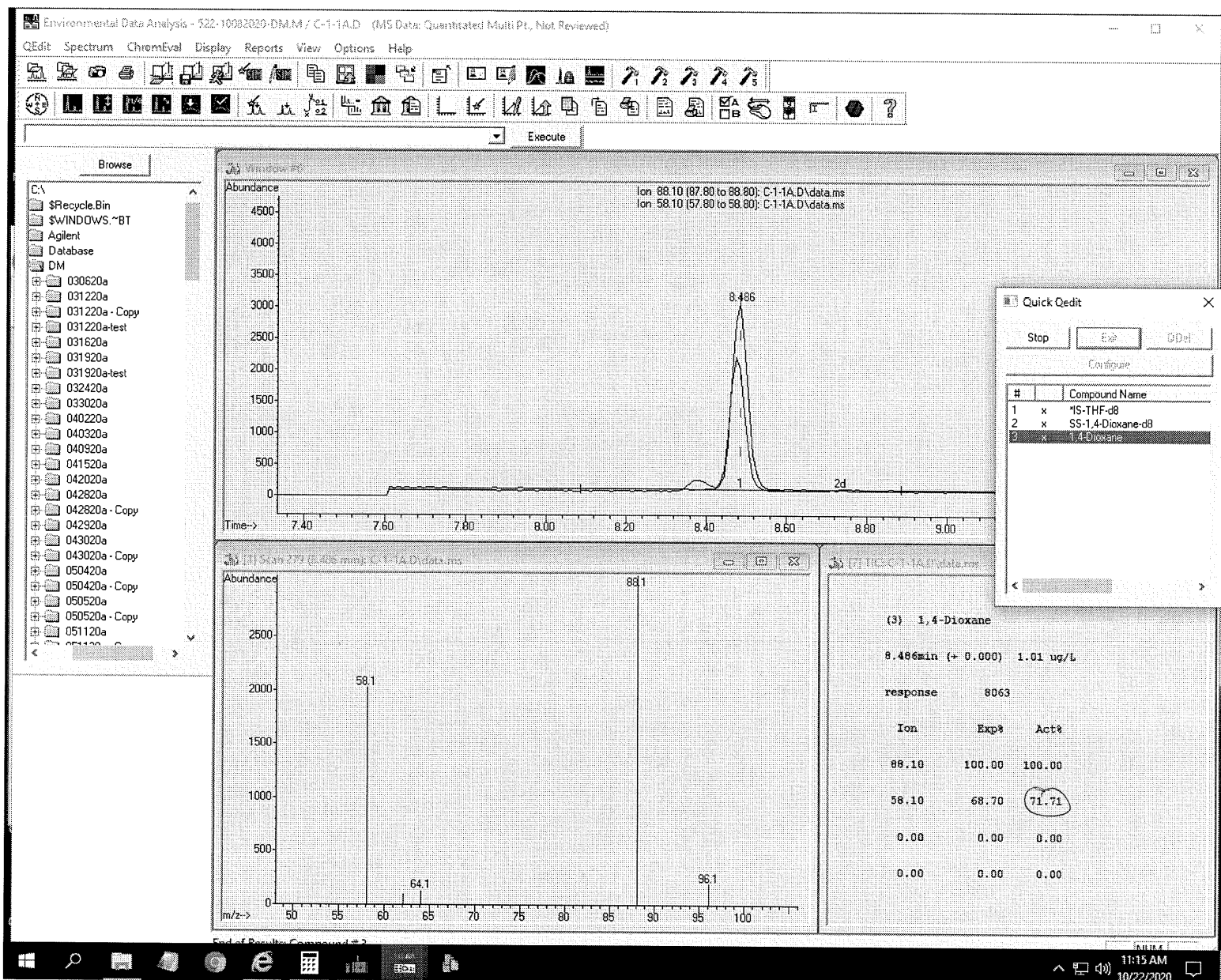
Data File: C:\DM\102120a\

Recalc Method: C:\DM\102120a\522-10082020-DM.M

Comment: C-1-1A\SMP\4754358\CCM\OS\5221\1\ CCM



Compound	R.T.	Area	Q Ion	Status Code	Conc	TSV	Units	Purity
IS-THF-d8	6.27	92853	46.1	0	10.00	0.00	ug/L	
SS-1,4-Dioxane-d8	8.40	84133	96.1	0	10.55	0.00	ug/L	
1,4-Dioxane	8.49	8063	88.1	0	1.010	0.07	ug/L	96



LABELED CHROMATOGRAM REPORT

EPA Method 522

Eurofins Eaton Analytical

Lab Sample ID: 4753020.D

Correction Factor: 1

Analyst: SMP

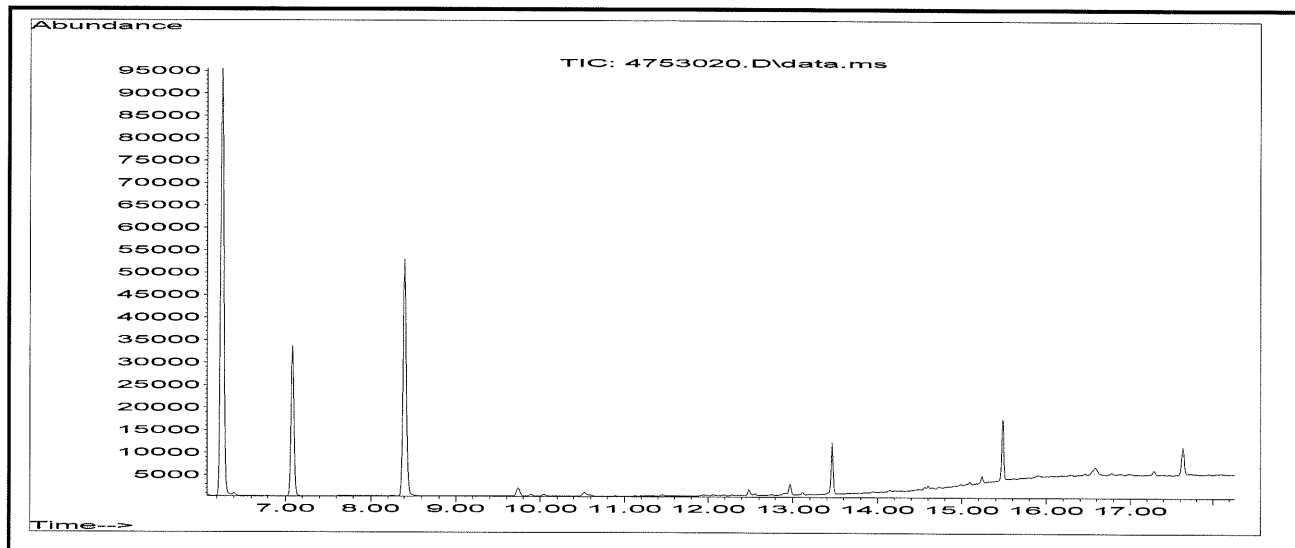
Instrument: DM

Acquisition Date: 10/22/2020 0:50

Data File: C:\DM\102120a\

Recalc Method: C:\DM\102120a\522-10082020-DM.M

Comment: 4753020\SMP\4753020\FS\DW\522\1\ 55605-1



Compound	R.T.	Area	Q Ion	Status Code	Conc	TSV	Units	Purity
IS-THF-d8	6.26	97628	46.1	0	10.00	0.00	ug/L	
SS-1,4-Dioxane-d8	8.40	71375	96.1	0	8.51	0.00	ug/L	
1,4-Dioxane	8.49	221	88.1	0	0.009	0.07	ug/L	97

LABELED CHROMATOGRAM REPORT

EPA Method 522

Eurofins Eaton Analytical

Lab Sample ID: 4753021.D

Correction Factor: 1

Analyst: SMP

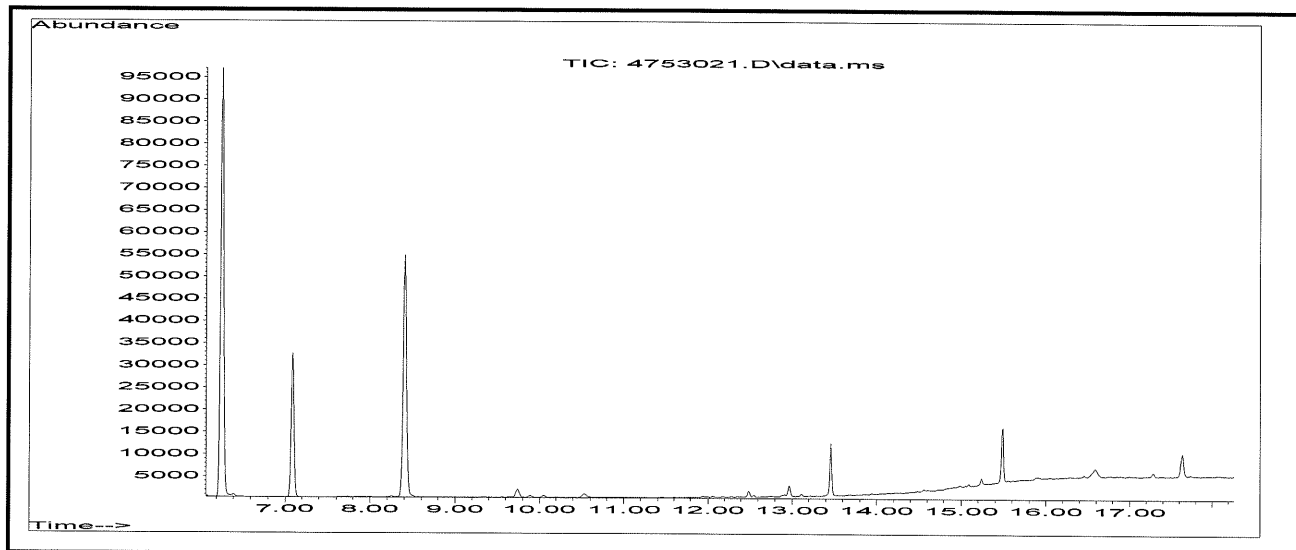
Instrument: DM

Acquisition Date: 10/22/2020 1:19

Data File: C:\DM\102120a\

Recalc Method: C:\DM\102120a\522-10082020-DM.M

Comment: 4753021\SMP\4753021\FTB\RW\522\1\ 55605-2



Compound	R.T.	Area	Q Ion	Status Code	Conc	TSV	Units	Purity
IS-THF-d8	6.26	99373	46.1	0	10.00	0.00	ug/L	
SS-1,4-Dioxane-d8	8.40	74904	96.1	0	8.78	0.00	ug/L	
1,4-Dioxane	8.49	434	88.1	0	0.034	0.07	ug/L	96

LAELED CHROMATOGRAM REPORT

EPA Method 522

Eurofins Eaton Analytical

Lab Sample ID: C-10-1A.D

Correction Factor: 1

Analyst: SMP

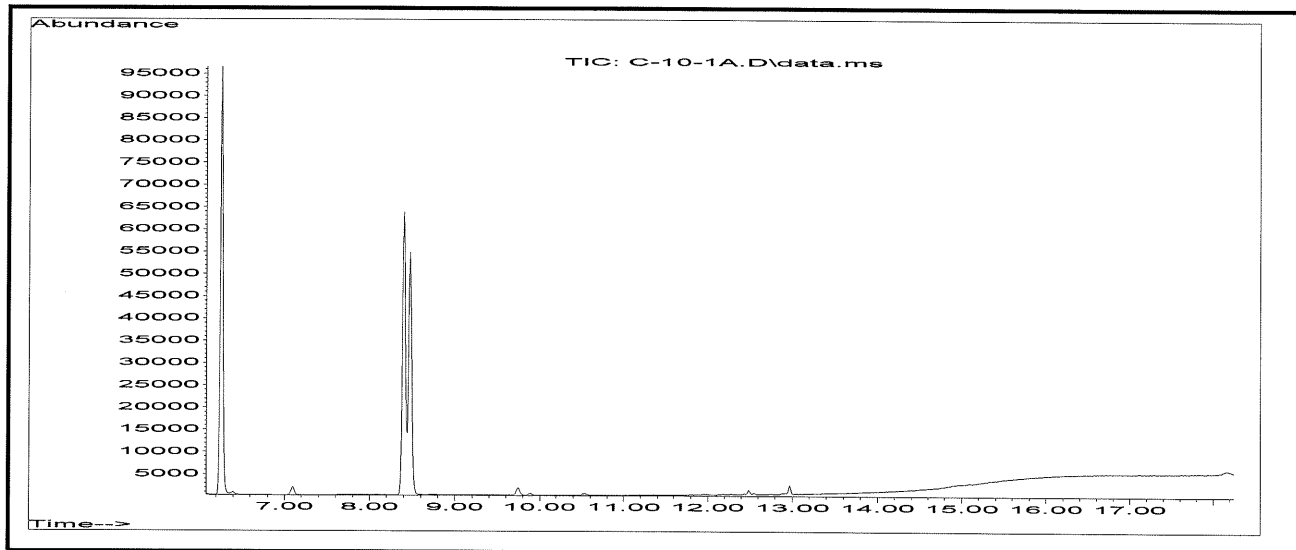
Instrument: DM

Acquisition Date: 10/22/2020 2:51

Data File: C:\DM\102120a\

Recalc Method: C:\DM\102120a\522-10082020-DM.M

Comment: C-10-1A\SMP\4754359\CCH\OS\522\1\10\ CCH



Compound	R.T.	Area	Q Ion	Status Code	Conc	TSV	Units	Purity
IS-THF-d8	6.26	98380	46.1	0	10.00	0.00	ug/L	
SS-1,4-Dioxane-d8	8.40	86580	96.1	0	10.25	0.00	ug/L	
1,4-Dioxane	8.48	83054	88.1	0	9.972	0.07	ug/L	96

SP-522 CALIBRATION RECORD

Prep Batch: 80701

Standard

1st Use

☐
☐

Sample Type	Comments																		
ALL	Added 10 uL Surrogate Standard Substock ; @ 100 ug/mL in P&T Methanol Prep Log #: <u>OP-500144-96C</u> Exp. Date: <u>04/05/2021</u> Added 10 uL Internal Standard Substock ; @ 100 ug/mL in Dichloromethane (B&J) Prep Log #: <u>OP-500144-97B</u> Exp. Date: <u>10/19/2020</u>																		
Calibration Substock	Analyte Substock @ 100 ug/mL made by adding 100 uL of 522 LFB stock @ 2000 ug/mL to 2.0 mL with P&T Methanol Prep Log #: <u>OP-500141-87B</u> Exp. Date: <u>12/25/2020</u> Analyte Substock @ 10 ug/mL made by adding 10 uL of 522 LFB stock @ 2000 ug/mL to 2.0 mL with P&T Methanol Prep Log #: <u>OP-500141-87C</u> Exp. Date: <u>12/25/2020</u> Analyte Substock @ 1 ug/mL made by adding 20 uL of 522 LFB Substock @ 100 ug/mL to 2.0 mL with P&T Methanol Prep Log #: <u>OP-500141-88A</u> Exp. Date: <u>12/25/2020</u>																		
Sample conc	Calibration made at the following concentrations in 2 mL of B&J Dichloromethane: <table border="0"> <tr> <td>0.07 ug/L</td><td>added 7 uL of analyte substock @ 1 ug/mL</td></tr> <tr> <td>0.1 ug/L</td><td>added 10 uL of analyte substock @ 1 ug/mL</td></tr> <tr> <td>0.2 ug/L</td><td>added 20 uL of analyte stock @ 1 ug/mL</td></tr> <tr> <td>0.5 ug/L</td><td>added 5 uL of analyte stock @ 10 ug/mL</td></tr> <tr> <td>1.0 ug/L</td><td>added 10 uL of analyte substock @ 10 ug/mL</td></tr> <tr> <td>2.0 ug/L</td><td>added 20 uL of analyte substock @ 10 ug/mL</td></tr> <tr> <td>5.0 ug/L</td><td>added 5 uL of analyte substock @ 100 ug/mL</td></tr> <tr> <td>10 ug/L</td><td>added 10 uL of analyte substock @ 100 ug/mL</td></tr> <tr> <td>20 ug/L</td><td>added 20 uL of analyte substock @ 100 ug/mL</td></tr> </table>	0.07 ug/L	added 7 uL of analyte substock @ 1 ug/mL	0.1 ug/L	added 10 uL of analyte substock @ 1 ug/mL	0.2 ug/L	added 20 uL of analyte stock @ 1 ug/mL	0.5 ug/L	added 5 uL of analyte stock @ 10 ug/mL	1.0 ug/L	added 10 uL of analyte substock @ 10 ug/mL	2.0 ug/L	added 20 uL of analyte substock @ 10 ug/mL	5.0 ug/L	added 5 uL of analyte substock @ 100 ug/mL	10 ug/L	added 10 uL of analyte substock @ 100 ug/mL	20 ug/L	added 20 uL of analyte substock @ 100 ug/mL
0.07 ug/L	added 7 uL of analyte substock @ 1 ug/mL																		
0.1 ug/L	added 10 uL of analyte substock @ 1 ug/mL																		
0.2 ug/L	added 20 uL of analyte stock @ 1 ug/mL																		
0.5 ug/L	added 5 uL of analyte stock @ 10 ug/mL																		
1.0 ug/L	added 10 uL of analyte substock @ 10 ug/mL																		
2.0 ug/L	added 20 uL of analyte substock @ 10 ug/mL																		
5.0 ug/L	added 5 uL of analyte substock @ 100 ug/mL																		
10 ug/L	added 10 uL of analyte substock @ 100 ug/mL																		
20 ug/L	added 20 uL of analyte substock @ 100 ug/mL																		
UQCM @1.0 ug/mL 10 µL	QCS Substock @ 10 ug/mL made by adding 20 uL of 522 QCS stock @ 1000 ug/mL to 2.0 mL with P&T Methanol Prep Log #: <u>OP-500141-95A</u> Exp. Date: <u>12/30/2020</u>																		
ALL	B&J Dichloromethane: MFG: <u>B+J</u> Lot #: <u>DZ242-us</u> Grade: <u>99.9%</u>																		
Extraction Technician: <u>MS</u>	Date: <u>10/07/2020</u>																		

Response Factor Report DM

Method Path : C:\DM\1008202a\
 Method File : 522-10082020-DM.M
 Title : 522-051811
 Last Update : Mon Oct 12 10:45:48 2020
 Response Via : Initial Calibration

Calibration Files

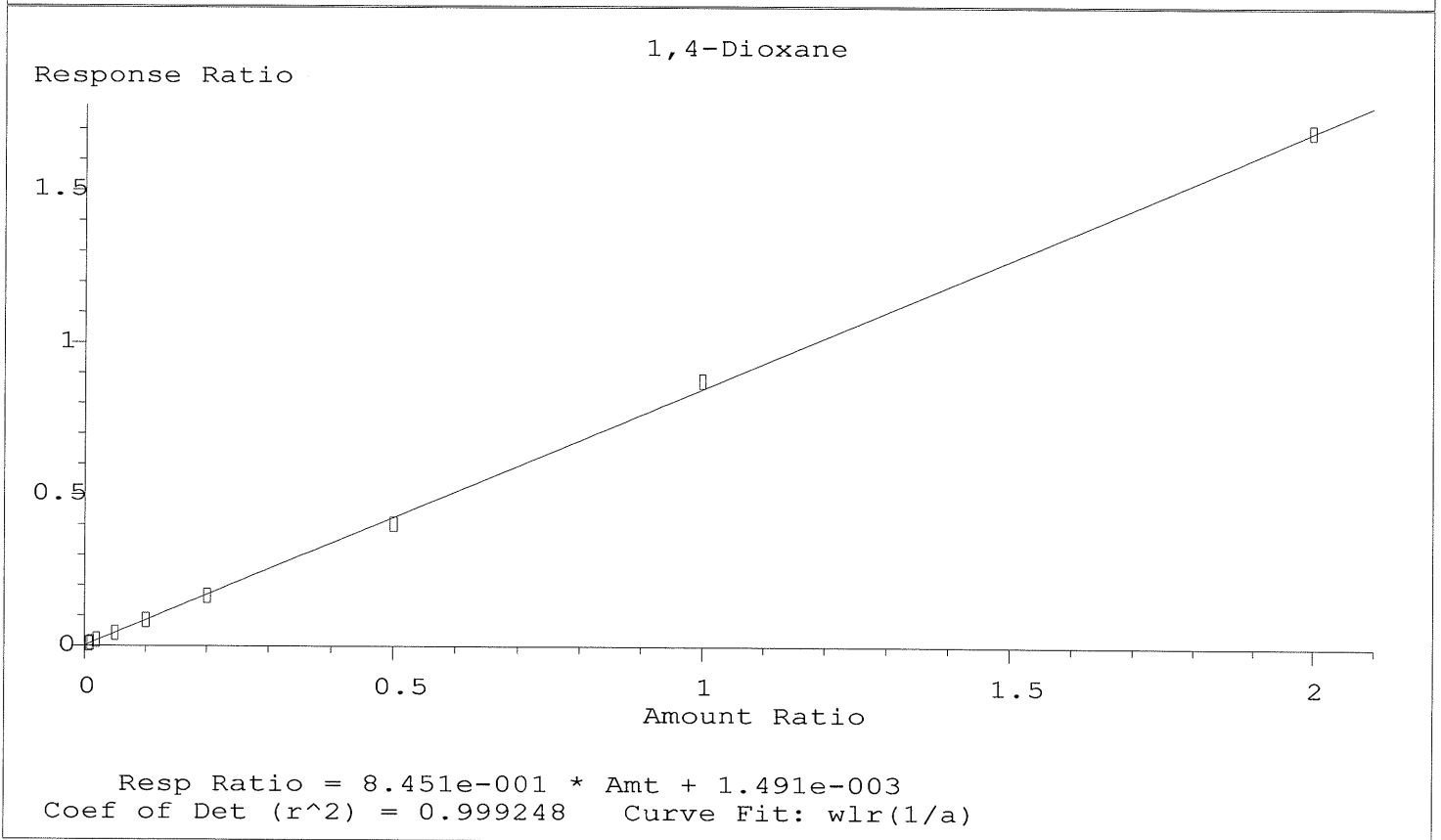
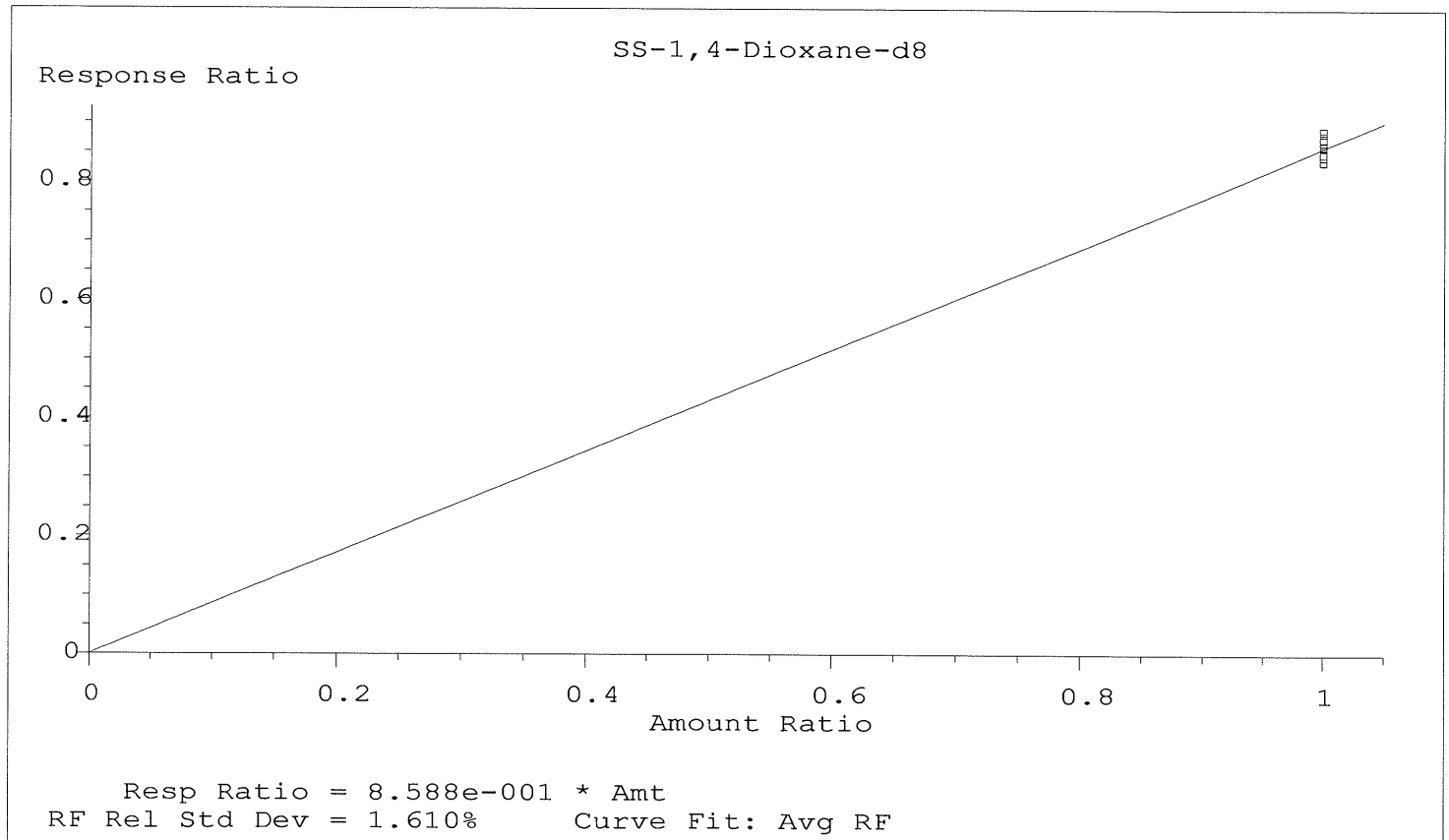
1 =I-007-1A.D 2 =I-01-1A.D 3 =I-02-1A.D 4 =I-05-1A.D 5 =I-20-1A.D 6 =I-2-1A.D 7 =I-5-1A.D 8 =I-10-1A.D 9 =I-20-1A.D

Compound	1	2	3	4	5	6	7	8	9	Avg	%RSD

1) I	IS-THF-d8										
2) S	SS-1,4-Dioxane-d8	0.869	0.872	0.881	0.866	0.855	0.851	0.842	0.843	0.850	0.859
3)	1,4-Dioxane	1.079	0.999	0.974	0.850	0.848	0.826	0.803	0.873	0.847	0.900
											1.61
											10.47

(#) = Out of Range

Calibration Plot Report



Data Path : C:\DM\100820a\
 Data File : BFB-1B.D
 Acq On : 08 Oct 2020 07:44 am
 Operator : SMP
 Sample : BFB-1B
 Misc : OP-SOC145-19A
 ALS Vial : 41 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\DM\100620a\522-06302020-DM.M
 Title : 522-051811
 Last Update : Wed Jul 01 07:46:59 2020

Spectrum Information: Average of 7.854 to 7.904 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.4	1376	PASS
75	95	30	60	56.2	3602	PASS
95	95	100	100	100.0	6414	PASS
96	95	5	9	6.6	426	PASS
173	174	0.00	2	1.3	59	PASS
174	95	50	100	71.9	4611	PASS
175	174	5	9	8.9	410	PASS
176	174	95	101	99.6	4592	PASS
177	176	5	9	6.1	280	PASS

522-06302020-DM.M Thu Oct 08 07:57:49 2020 DM

LABELED CHROMATOGRAM REPORT

EPA Method 522

Eurofins Eaton Analytical

Lab Sample ID: I-007-1A.D

Correction Factor: 1

Analyst: SMP

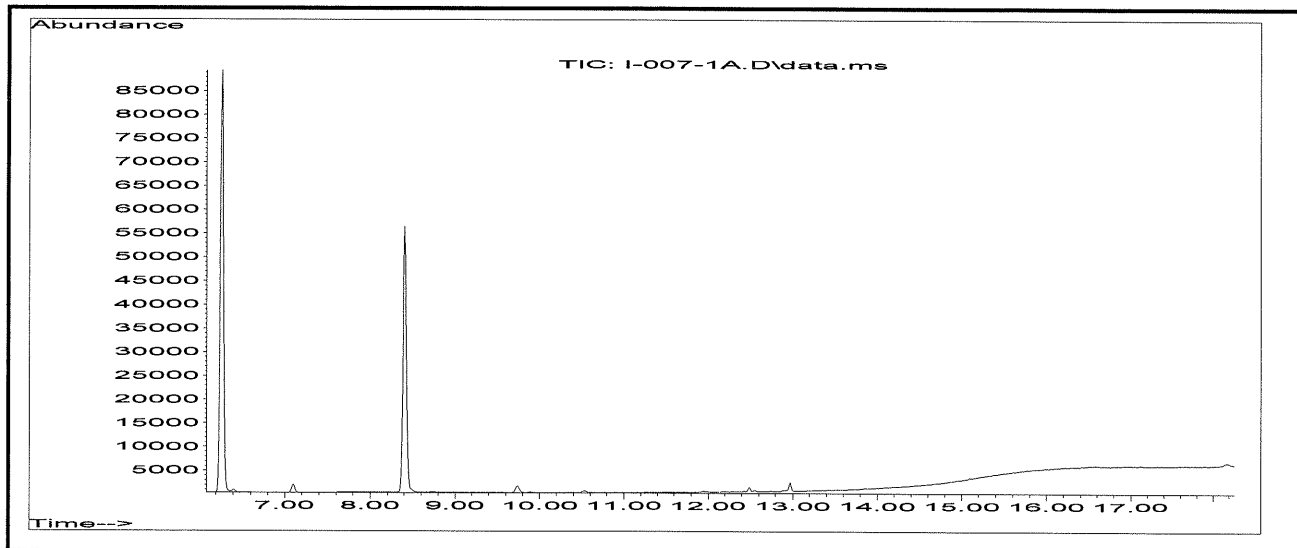
Instrument: DM

Acquisition Date: 10/8/2020 8:36

Data File: C:\DM\100820a\

Recalc Method: C:\DM\100820a\522-10082020-DM.M

Comment: I-007-1A\SMP\4744271\CL\OS\522\10.07\ CCL



Compound	R.T.	Area	Q Ion	Status Code	Conc	TSV	Units	Purity
IS-THF-d8	6.26	90016	46.1	0	10.00	0.00	ug/L	
SS-1,4-Dioxane-d8	8.40	78220	96.1	0	10.12	0.00	ug/L	
1,4-Dioxane	8.49	680	88.1	0	0.072	0.07	ug/L	100

LAELED CHROMATOGRAM REPORT

EPA Method 522

Eurofins Eaton Analytical

Lab Sample ID: I-01-1A.D

Correction Factor: 1

Analyst: SMP

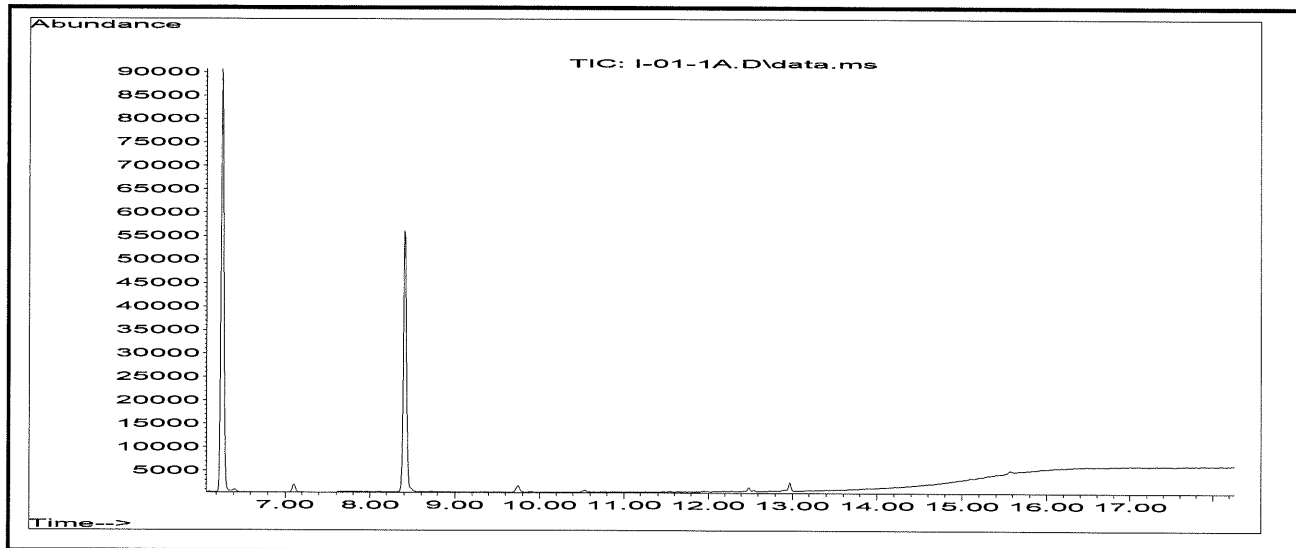
Instrument: DM

Acquisition Date: 10/8/2020 9:10

Data File: C:\DM\100820a\

Recalc Method: C:\DM\100820a\522-10082020-DM.M

Comment: I-01-1A\SMP\4744272\ICS\OS\522\1\0.1\ ICS



Compound	R.T.	Area	Q Ion	Status Code	Conc	TSV	Units	Purity
IS-THF-d8	6.27	91462	46.1	0	10.00	0.00	ug/L	
SS-1,4-Dioxane-d8	8.41	79800	96.1	0	10.16	0.00	ug/L	
1,4-Dioxane	8.49	914	88.1	0	0.101	0.07	ug/L	100

LAELED CHROMATOGRAM REPORT

EPA Method 522

Eurofins Eaton Analytical

Lab Sample ID: I-02-1A.D

Correction Factor: 1

Analyst: SMP

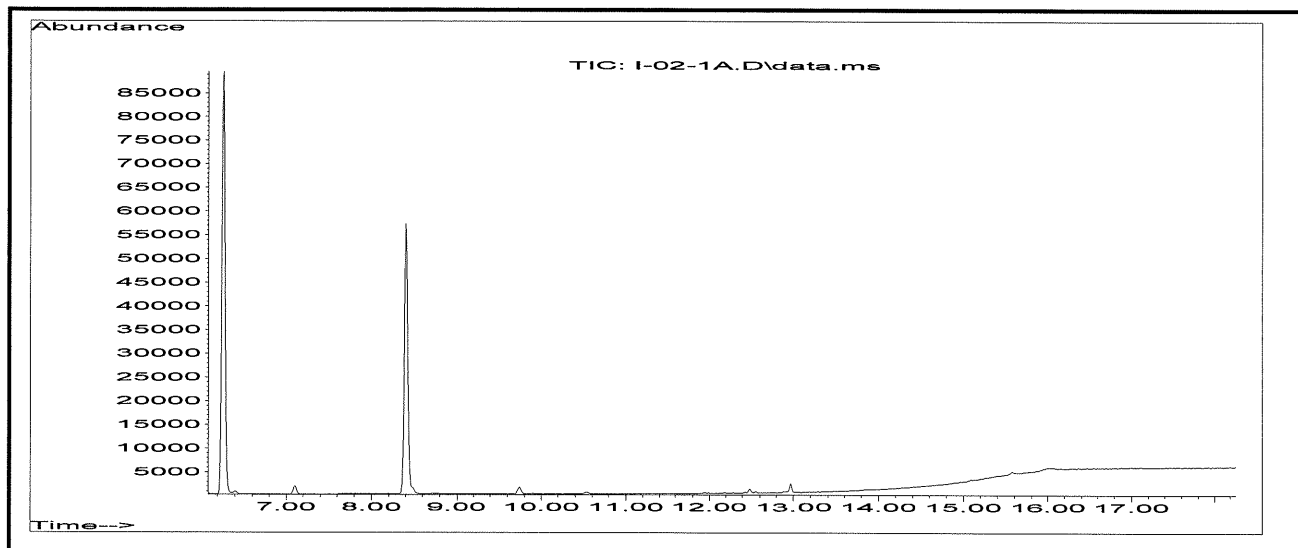
Instrument: DM

Acquisition Date: 10/8/2020 9:46

Data File: C:\DM\100820a\

Recalc Method: C:\DM\100820a\522-10082020-DM.M

Comment: I-02-1A\SMP\4744273\ICS\OS\522\1\0.2\ ICS



Compound	R.T.	Area	Q Ion	Status Code	Conc	TSV	Units	Purity
IS-THF-d8	6.26	91246	46.1	0	10.00	0.00	ug/L	
SS-1,4-Dioxane-d8	8.40	80398	96.1	0	10.26	0.00	ug/L	
1,4-Dioxane	8.49	1778	88.1	0	0.213	0.07	ug/L	100

LAELED CHROMATOGRAM REPORT

EPA Method 522

Eurofins Eaton Analytical

Lab Sample ID: I-05-1A.D

Correction Factor: 1

Analyst: SMP

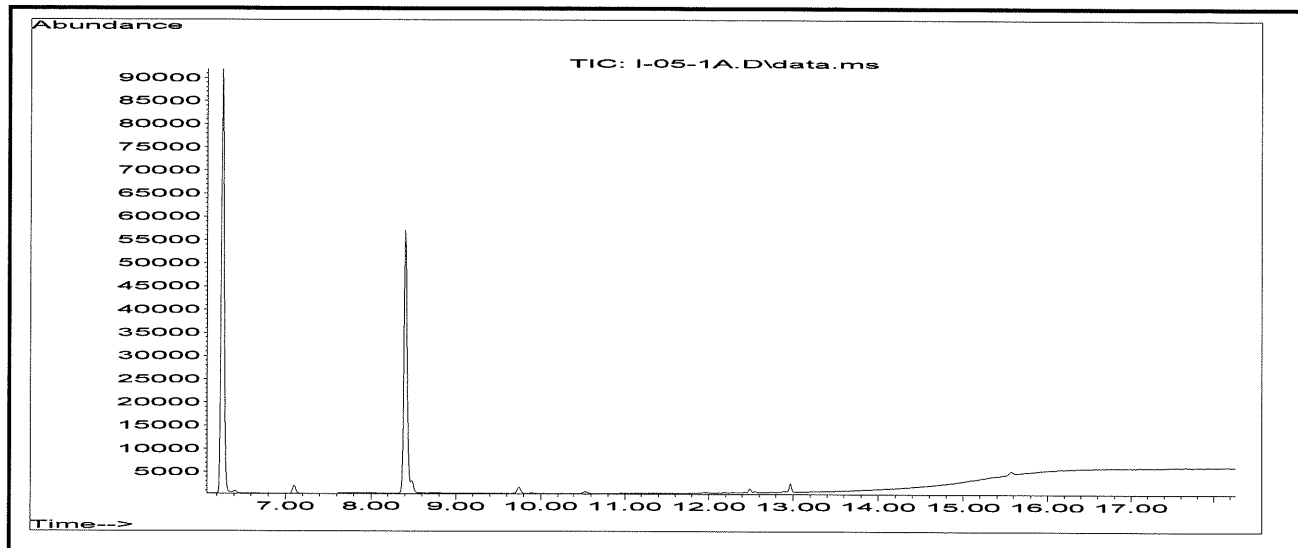
Instrument: DM

Acquisition Date: 10/8/2020 10:21

Data File: C:\DM\100820a\

Recalc Method: C:\DM\100820a\522-10082020-DM.M

Comment: I-05-1A\SMP\4744274\ICS\OS\522\1\0.5\ ICS



Compound	R.T.	Area	Q Ion	Status Code	Conc	TSV	Units	Purity
IS-THF-d8	6.27	92133	46.1	0	10.00	0.00	ug/L	
SS-1,4-Dioxane-d8	8.41	79789	96.1	0	10.08	0.00	ug/L	
1,4-Dioxane	8.49	3914	88.1	0	0.485	0.07	ug/L	100

LABELED CHROMATOGRAM REPORT

EPA Method 522

Eurofins Eaton Analytical

Lab Sample ID: I-1-1A.D

Correction Factor: 1

Analyst: SMP

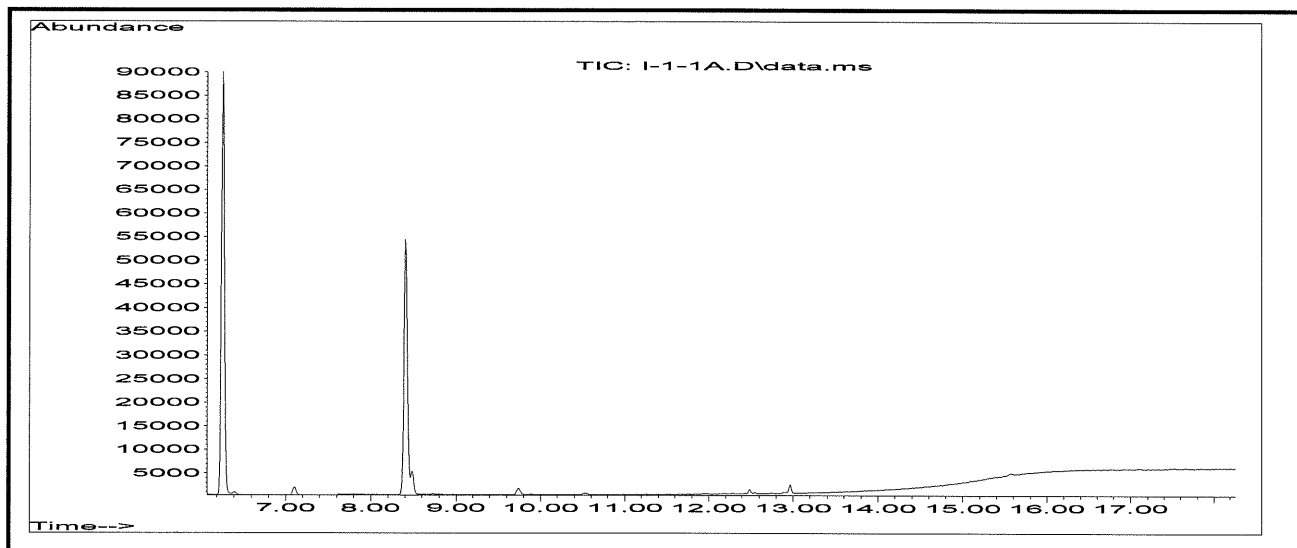
Instrument: DM

Acquisition Date: 10/8/2020 11:00

Data File: C:\DM\100820a\

Recalc Method: C:\DM\100820a\522-10082020-DM.M

Comment: I-1-1A\SMP\4744275\ICS\OS\522\1\1\ ICS



Compound	R.T.	Area	Q Ion	Status Code	Conc	TSV	Units	Purity
IS-THF-d8	6.27	89878	46.1	0	10.00	0.00	ug/L	
SS-1,4-Dioxane-d8	8.40	76845	96.1	0	9.96	0.00	ug/L	
1,4-Dioxane	8.49	7621	88.1	0	0.986	0.07	ug/L	100

LABELED CHROMATOGRAM REPORT

EPA Method 522

Eurofins Eaton Analytical

Lab Sample ID: I-2-1A.D

Correction Factor: 1

Analyst: SMP

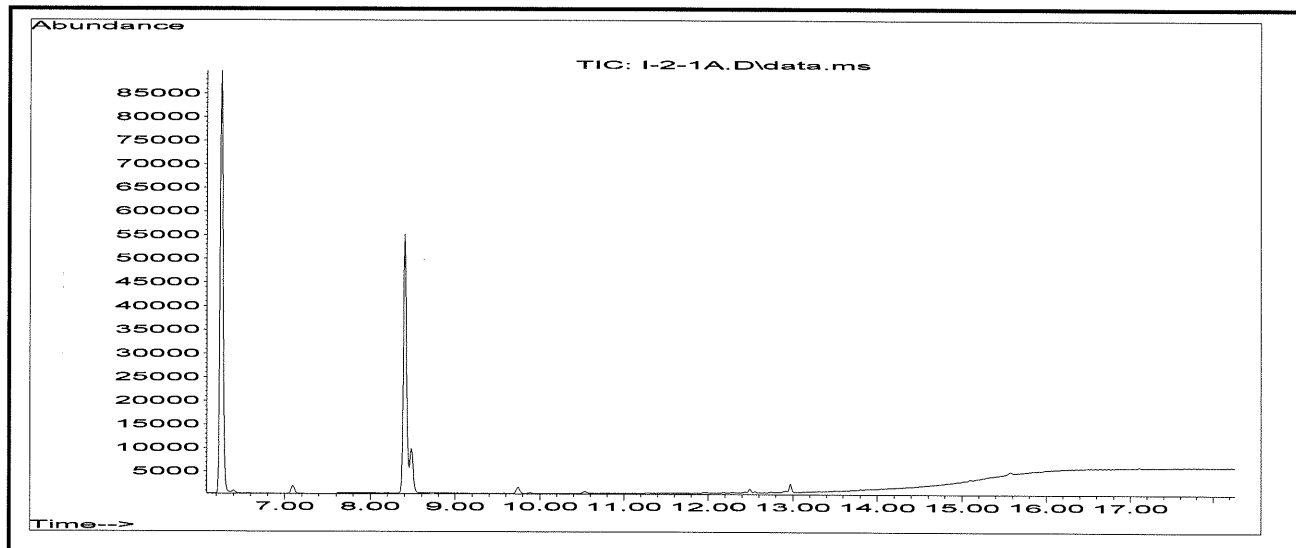
Instrument: DM

Acquisition Date: 10/8/2020 11:37

Data File: C:\DM\100820a\

Recalc Method: C:\DM\100820a\522-10082020-DM.M

Comment: I-2-1A\SMP\4744276\ICS\OS\522\1\2\ ICS



Compound	R.T.	Area	Q Ion	Status Code	Conc	TSV	Units	Purity
IS-THF-d8	6.26	90438	46.1	0	10.00	0.00	ug/L	
SS-1,4-Dioxane-d8	8.40	76941	96.1	0	9.91	0.00	ug/L	
1,4-Dioxane	8.48	14946	88.1	0	1.938	0.07	ug/L	100

Labeled Chromatogram Report

EPA Method 522

Eurofins Eaton Analytical

Lab Sample ID: I-5-1A.D

Correction Factor: 1

Analyst: SMP

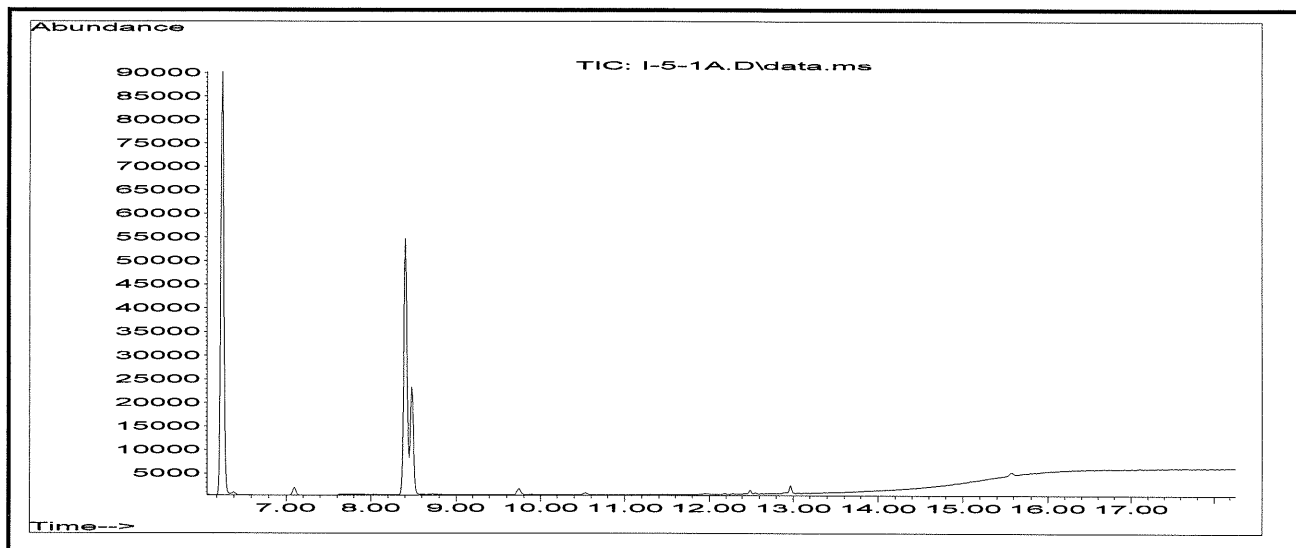
Instrument: DM

Acquisition Date: 10/8/2020 12:16

Data File: C:\DM\100820a\

Recalc Method: C:\DM\100820a\522-10082020-DM.M

Comment: I-5-1A\SMP\4744277\ICS\OS\522\1\5\ ICS



Compound	R.T.	Area	Q Ion	Status Code	Conc	TSV	Units	Purity
IS-THF-d8	6.26	90119	46.1	0	10.00	0.00	ug/L	
SS-1,4-Dioxane-d8	8.40	75903	96.1	0	9.81	0.00	ug/L	
1,4-Dioxane	8.48	36190	88.1	0	4.734	0.07	ug/L	100

LABELED CHROMATOGRAM REPORT

EPA Method 522

Eurofins Eaton Analytical

Lab Sample ID: I-10-1A.D

Correction Factor: 1

Analyst: SMP

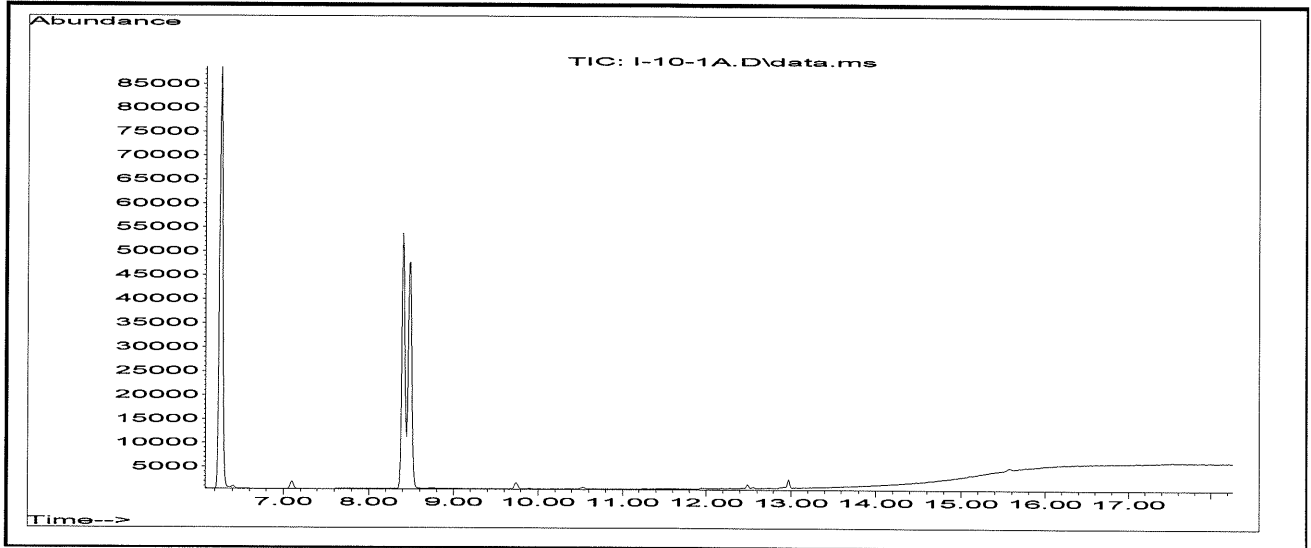
Instrument: DM

Acquisition Date: 10/8/2020 12:57

Data File: C:\DM\100820a\

Recalc Method: C:\DM\100820a\522-10082020-DM.M

Comment: I-10-1A\SMP\4744278\ICS\OS\522\1\10\ ICS



Compound	R.T.	Area	Q Ion	Status Code	Conc	TSV	Units	Purity
IS-THF-d8	6.26	88883	46.1	0	10.00	0.00	ug/L	
SS-1,4-Dioxane-d8	8.41	74901	96.1	0	9.81	0.00	ug/L	
1,4-Dioxane	8.49	77597	88.1	0	10.313	0.07	ug/L	100

LABELED CHROMATOGRAM REPORT

EPA Method 522

Eurofins Eaton Analytical

Lab Sample ID: I-20-1A.D

Correction Factor: 1

Analyst: SMP

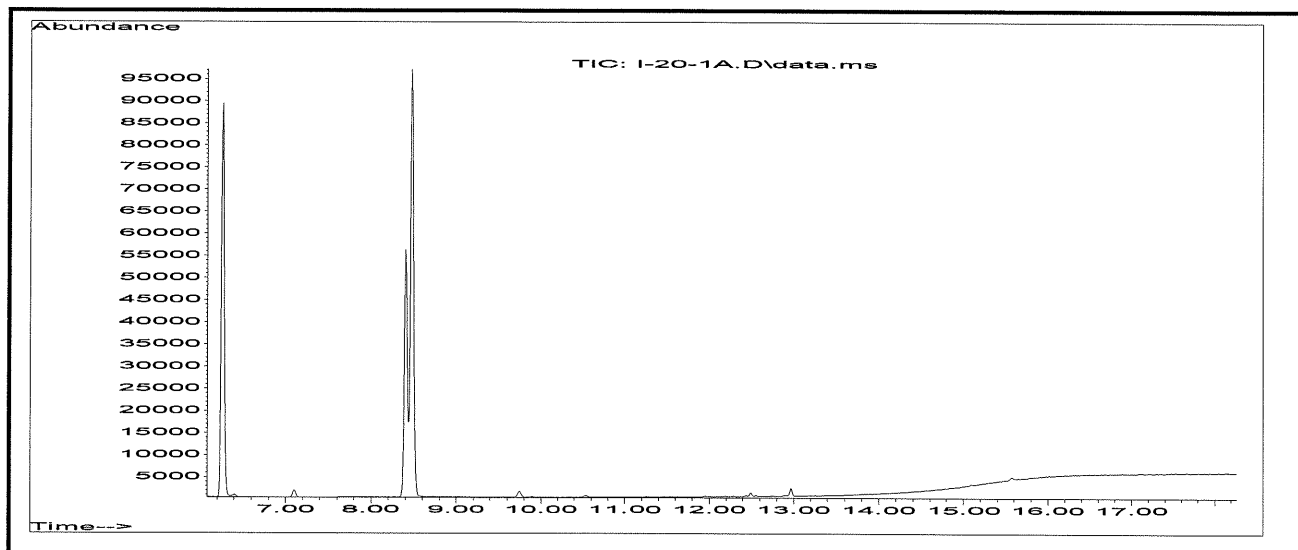
Instrument: DM

Acquisition Date: 10/8/2020 13:37

Data File: C:\DM\100820a\

Recalc Method: C:\DM\100820a\522-10082020-DM.M

Comment: I-20-1A\SMP\4744279\ICS\OS\522\1\20\ ICS



Compound	R.T.	Area	Q Ion	Status Code	Conc	TSV	Units	Purity
IS-THF-d8	6.26	91306	46.1	0	10.00	0.00	ug/L	
SS-1,4-Dioxane-d8	8.40	77619	96.1	0	9.90	0.00	ug/L	
1,4-Dioxane	8.49	154685	88.1	0	20.029	0.07	ug/L	100

QA - Method Detection Limit Study

Method:	522	Analyzed by:	Various	Approved by:	Rhonda Day	Effective Date:	11/10/2019
Instrument:	DM	Prepped by:	Various	Comments:	The MDL calculates >1/3MRL RD 12/17/2019		
Units:	ug/L						
Matrix Type:	RW						
				Number of months next study due:	12		
				Date Submitted:	11/10/2019		

[illegible]

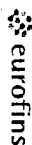
Shipping and Receiving Documents

Eurofins TestAmerica, Burlington
30 Community Drive Suite 11
South Burlington, VT 05403
Phone: 802-660-1990 Fax: 802-660-1919

Chain of Custody Record

Syracuse

#225



Environment Testing
America

Client Information		Sampler: J. Mullins		Lab PM: Stone, Judy L		Carrier Tracking No(s):		COC No: 460-151708-33716.1	
Client Contact: Jasmine Mullins		Phone: 606-248-4208		E-Mail: Judy.Stone@Eurofins.com				Page: Page 1 of 1	
Company: ARCADIS U.S. Inc		Address: 855 Route 146 Suite 210		City: Clifton Park		State Zip: NY 12065		Phone: 518-402-9625 (Tel)	
Email: jasmine.mullins@arcadis.com		Project Name: Gladding Corporation #709009		Project #: 48022018		SSOW#: SSOW#		Analysis Requested	
Due Date Requested: STANDARD		TAT Requested (days): STANDARD		PO #: STANDARD		Callout ID: 139083		Job #:	
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=Grab)		Matrix (W=Water, S=Soil, G=Gravel, AT=Air, A=Asphalt)	
MIN-2		10/13/2020		1615		G		Water	
FIELD BLANK		10/13/2020		1600		G		Water	
Trip Blank		10/13/2020		—		G		Water	
AP		10/14/20		1720					
Possible Hazard Identification		☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months		Special Instructions/Note: 200-55605 Chain of Custody	
Deliverable Requested: I, II, III, IV, Other (specify) CAT. B & MSDC EQUIS		Empty Kit Relinquished by: AP		Date: 10/14/20		Time: 1335		Method of Shipment: ES-SRL	
Relinquished by: AP		Date/Time: 10/14/20 1335		Company: ARCADIS		Received by: ES-SRL		Date/Time: 10/14/20 1335	
Relinquished by: AP		Date/Time: 10/14/20 1000		Company: ES-SRL		Received by: ES-SRL		Date/Time: 10/15/20 1000	
Custody Seals Intact: Δ Yes Δ No		Custody Seal No.: Δ Yes Δ No		Cooler Temperature(s) °C and Other Remarks: 200-55605 Chain of Custody					



Environment Testing
TestAmerica

ORIGIN ID:SYRA (315) 431-0171
SYR SERVICE CENTER
EUROFINS TESTAMERICA
118 BOSS RD

SHIP DATE: 14OCT20
ACTWGT: 20.00 LB MAN
CAD: 0883373/CAFE3407

SYRACUSE, NY 13211
UNITED STATES US

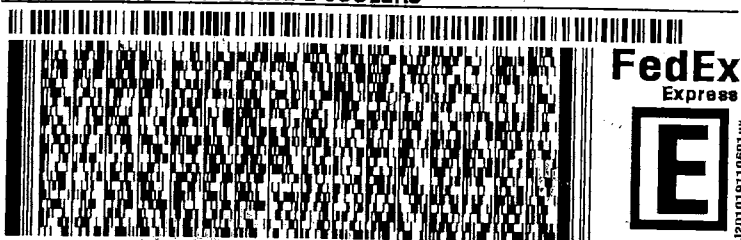
BILL RECIPIENT

TO **SAMPLE RECEIVING**
TESTAMERICA BURLINGTON
30 COMMUNITY DRIVE SUITE 11

SOUTH BURLINGTON VT 05403

(802) 880-1890

REF: ARCADIS GLADDING 2 COOLERS

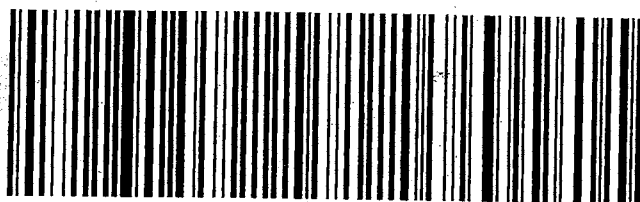


1 of 2
TRK# 1870 7198 4976
0201
MASTER

THU - 15 OCT 10:30A
PRIORITY OVERNIGHT

NL BTVA

05403
VT-US BTV



Environment Testing
TestAmerica

ORIGIN ID:SYRA (315) 431-0171
SYR SERVICE CENTER
EUROFINS TESTAMERICA
118 BOSS RD

SHIP DATE: 14OCT20
ACTWGT: 20.00 LB MAN
CAD: 0883373/CAFE3407

SYRACUSE, NY 13211
UNITED STATES US

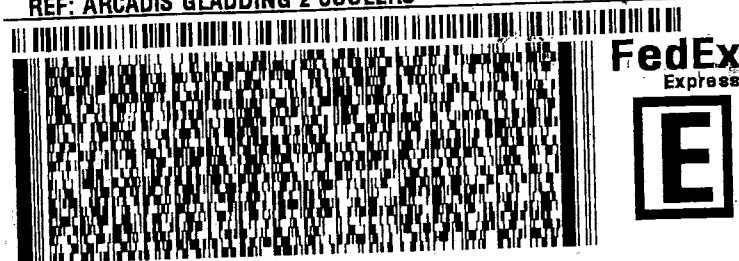
BILL RECIPIENT

TO **SAMPLE RECEIVING**
TESTAMERICA BURLINGTON
30 COMMUNITY DRIVE SUITE 11

SOUTH BURLINGTON VT 05403

(802) 880-1890

REF: ARCADIS GLADDING 2 COOLERS

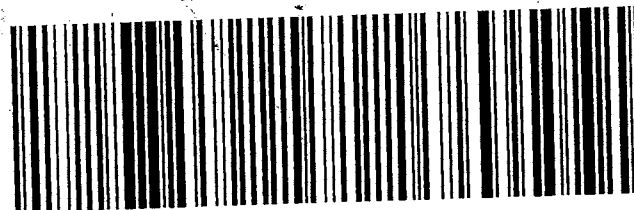


2 of 2
MPS# 1870 7198 4987
0263
Mstr# 1870 7198 4976

THU - 15 OCT 10:30A
PRIORITY OVERNIGHT

NL BTVA

05403
VT-US BTV



Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 200-55605-2

Login Number: 55605

List Number: 1

Creator: Jaffe, Nat S

List Source: Eurofins TestAmerica, Burlington

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	Lab does not accept radioactive samples
The cooler's custody seal, if present, is intact.	True	1313491, -492
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	1.2°C, 1.4°C
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	JM
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.	N/A	
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	

APPENDIX D

Data Usability Summary Reports



Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

Gladding Corporation #709009
Eurofins
SDG#200-55605-1,2
December 7, 2020
Sampling date: 10/13/2020

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

Gladding Corporation #709009
200-55605-1,2

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package by Eurofins SDG#200-55605-1,2, for Arcadis U.S. Inc., submitted to Vali-Data of WNY, LLC on November 17, 2020. This DUSR has been prepared in general compliance in general compliance with NYSDEC; 'Guidelines for Sampling and Analysis of PFAS'(1/2020), Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analyses using USEPA methods; Volatile Organics (524.2), Semi-Volatile Organics (522) and Fluorinated Alkyl Substances (25101:2009).

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Compound Quantitation, Initial Calibration and Continuing Calibration.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

INTERNAL STANDARD (IS)

All criteria were met.

SURROGATE SPIKE RECOVERIES

All criteria were met.

METHOD BLANK

All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

No field duplicate was acquired.

LABORATORY CONTROL SAMPLES

All criteria were met.

MS/MSD

No MS/MSD was acquired.

COMPOUND QUANTITATION

All criteria were met except Chlorobenzene was detected above the reporting limit in Field Blank. This target analyte should be qualified as undetected at the reporting limit in associated samples in which it was detected below the reporting limit. This target analyte should be qualified as undetected in associated samples in which it was detected above the reporting limit but below the blank concentration. This target analyte should be qualified as estimated high in associated samples in which it was detected above the blank concentration. Chloroform, Methylene chloride and Trihalomethanes were detected above the MDL, below the reporting limit and are qualified as estimated in Trip Blank. These target analytes should be qualified as undetected at the reporting limit in associated samples in which they were detected below the reporting limit. These target analytes should be qualified as estimated high in associated samples in which they were detected above the reporting limit.

INITIAL CALIBRATION

All criteria were met except the RRF of 2-Butanone, Bromochloromethane, 1,2-Dichloropropane, Dichlorobromomethane, cis-1,3-Dichloropropene, trans-1,3-Dichloropropene, 1,1,2-Trichloroethane, Chlorodibromomethane, 1,2-Dibromoethane, Ethylbenzene, Bromoform, 1,1,2,2-Tetrachloroethane, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2,4-Trichlorobenzene and 1,2,3-Trichlorobenzene was outside QC limits in the initial calibration and ICV 460-730932/11. The %D of Bromomethane was outside QC limits

in ICV 460-730932/11. These target analytes should be qualified as estimated in the associated blanks, spikes and samples.

Alternate forms of regression were used on target analytes in which the %RSD >20.0%, with acceptable results.

CONTINUING CALIBRATION

All criteria were met except the RRF of 2-Butanone, Bromochloromethane, 1,2-Dichloropropane, Dichlorobromomethane, cis-1,3-Dichloropropene, trans-1,3-Dichloropropene, 1,1,2-Trichloroethane, Chlorodibromomethane, 1,2-Dibromoethane, Ethylbenzene, Bromoform, 1,1,2,2-Tetrachloroethane, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2,4-Trichlorobenzene and 1,2,3-Trichlorobenzene was outside QC limits in CCVIS 460-732938/2. These target analytes should be qualified as estimated in the associated blanks, spikes and samples.

GC/MS PERFORMANCE CHECK

All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

INTERNAL STANDARD (IS)

All criteria were met.

SURROGATE SPIKE RECOVERIES

All criteria were met.

METHOD BLANK

All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

No field duplicate was acquired.

LABORATORY CONTROL SAMPLES

All criteria were met.

MS/MSD

No MS/MSD was acquired.

COMPOUND QUANTITATION

All criteria were met.

INITIAL CALIBRATION

All criteria were met.

Alternate forms of regression were used for 1,4-Dioxane with acceptable results.

CONTINUING CALIBRATION

All criteria were met.

GC/MS PERFORMANCE CHECK

All criteria were met.

PFC IDA

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Recoveries
- Internal Standard
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

SURROGATE RECOVERIES

All criteria were met.

INTERNAL STANDARD

All criteria were met.

METHOD BLANK

All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

No field duplicate was acquired.

LABORATORY CONTROL SAMPLES

All criteria were met.

MS/MSD

No MS/MSD was acquired.

COMPOUND QUANTITATION

All the criteria were met.

INITIAL CALIBRATION

All criteria were met.

CONTINUING CALIBRATION

All criteria were met.

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

Gladding Corporation #709009
Eurofins
SDG#480-176533-1
December 8, 2020
Sampling date: 10/12-14/2020

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

Gladding Corporation #709009
480-176533-1

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package by Eurofins SDG#480-176533-1, for Arcadis U.S. Inc., submitted to Vali-Data of WNY, LLC on November 17, 2020. This DUSR has been prepared in general compliance in general compliance with NYSDEC; 'Guidelines for Sampling and Analysis of PFAS'(1/2020), Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analyses using USEPA methods; Volatile Organics (8260C), Semi-Volatile Organics (8270D SIM ID) and Fluorinated Alkyl Substances (537 modified).

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Compound Quantitation.

Sample: TW-3S was diluted due to foaming.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

INTERNAL STANDARD (IS)

All criteria were met.

SURROGATE SPIKE RECOVERIES

All criteria were met.

METHOD BLANK

All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

All the criteria were met.

LABORATORY CONTROL SAMPLES

All criteria were met.

MS/MSD

All criteria were met.

COMPOUND QUANTITATION

All criteria were met except Chlorobenzene was detected above the reporting limit in Field Blank. This target analyte should be qualified as undetected at the reporting limit in associated samples in which it was detected below the reporting limit. This target analyte should be qualified as undetected in associated samples in which it was detected above the reporting limit but below the blank concentration. This target analyte should be qualified as estimated high in associated samples in which it was detected above the blank concentration.

INITIAL CALIBRATION

All criteria were met.

Alternate forms of regression were used on target analytes in which the %RSD >20.0%, with acceptable results.

CONTINUING CALIBRATION

All criteria were met.

GC/MS PERFORMANCE CHECK

All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in MS/MSD and Compound Quantitation.

Sample: TW-9D was diluted due to sample matrix.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

INTERNAL STANDARD (IS)

All criteria were met.

SURROGATE SPIKE RECOVERIES

All criteria were met.

METHOD BLANK

All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

All the criteria were met.

LABORATORY CONTROL SAMPLES

All criteria were met.

MS/MSD

All criteria were met except the concentration of 1,4-Dioxane exceeded the calibration limits and is qualified with an 'E' in RW-1MS/MSD.

COMPOUND QUANTITATION

All criteria were met except the concentration of 1,4-Dioxane exceeded the calibration limits and is qualified with an 'E' in TW-15 and TW-X-DUP.

INITIAL CALIBRATION

All criteria were met.

CONTINUING CALIBRATION

All criteria were met.

GC/MS PERFORMANCE CHECK

All criteria were met.

PFC IDA

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Recoveries
- Internal Standard
- Method Blank
- Laboratory Control Samples
- MS/MSD

- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Surrogate Spike Recoveries, Internal Standard and Compound Quantitation.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS

All criteria were met.

HOLDING TIMES

All holding times were met.

SURROGATE RECOVERIES

All criteria were met except the %Rec of M2 6:2FTS was outside QC limits, high in TW-9D and should be qualified as estimated. The %Rec of 13C8FOSA, 13C2PFUnA, d3-NMeFOSAA, 13C2PFDoA, 13F2PFTeDA and d5-NEtFOSAA were outside QC limits, low in TW-9D and should be qualified as estimated. The %Rec of 13C2PFDoA, 13F2PFTeDA, d3-NMeFOSAA and d5-NEtFOSAA were outside QC limits, low in TW-9I and should be qualified as estimated. Associated target analytes in these samples should be qualified as estimated.

INTERNAL STANDARD

All criteria were met except the area of 13C2PFOA was outside QC limits, high in TW-9D. All surrogates in this sample should be qualified as estimated.

METHOD BLANK

All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION

All criteria were met.

LABORATORY CONTROL SAMPLES

All criteria were met.

MS/MSD

All criteria were met except the %Rec of PFDS was outside QC limits in RW-1MSD but within limits in RW-1MS, so no further action is required.

COMPOUND QUANTITATION

All the criteria were met except the transition mass ratio associated with PFOS was outside limits in TW-2S and is qualified with an 'I'. This target analyte should be qualified as estimated in the associated sample.

INITIAL CALIBRATION

All criteria were met.

Alternate forms of regression were used on PFHxDA, with acceptable results.

CONTINUING CALIBRATION

All criteria were met.

APPENDIX E

Groundwater Monitoring Well Inspection Forms



Groundwater Monitoring Well Inspection

Site/Project Name: Gladding Cordage

Project Number: 30055695

Date of Inspection: 10/13/2020

Inspector: K. Stilson

Well Designation: TW-1

Well Location: East of building

Outward Appearance

Flushmount Diameter _____ inches N/A ☒

Approximate Stickup Height 2.5 feet N/A ☐

Integrity of Protective Casing Describe: good intact

Protective Casing Material Steel ☒ Stainless Steel ☐ Other _____

Protective Casing Width or Dia. 4 inches

Weep Hole in Protective Casing Yes ☐ No ☒

Surface Seal/Apron Material Cement ☐ Bentonite ☐ Not apparent ☒ Other _____

Integrity of Surface Seal/Apron Describe: Good

Surface Drainage Away from Wellhead ☒ Toward Wellhead ☐

Bollards Present? Yes ☐ No ☒ Describe: _____

Well ID. Visible? Yes ☒ No ☐ Describe: on casing

Lock Present and Functional? Yes ☒ No ☐ Describe: _____

Photograph Taken? Photo # Yes ☒ No ☐ Describe: _____

Inner Appearance

Integrity of Well Casing Describe: good intact

Integrity of Cap Seal Describe: Good

Surface Water in Casing? Yes ☐ No ☒ Describe: _____

Well Casing Diameter 2 inches

Well Casing Material PVC ☒ Steel ☐ Stainless Steel ☐

Inner Cap Threaded ☒ Slip ☐ Expansion Plug ☐ None ☐

Reference/Measuring Point Groove ☐ Indelible Mark ☒ None ☐

Evidence of Double Casing? Yes ☐ No ☒ Describe: _____

Downhole

Odor Yes ☐ No ☒ Describe: _____

PID Reading 0.0 ppm

Depth to Water (to top of casing) 7.92 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A ☒

Total Well Depth (to top of casing) 11.75 feet (nearest 0.1)

Sediment (Hard/Soft Bottom) Describe: Hard bottom

Additional Comments:

Some vegetation around well.

Groundwater Monitoring Well Inspection

Site/Project Name: Gladding Cordage Project Number: 30055695
Date of Inspection: 10/13/2020 Inspector: K Stilson
Well Designation: TW-25
Well Location: East of Building

Outward Appearance

Flushmount Diameter _____ inches N/A ☒
Approximate Stickup Height 2.5 feet N/A ☐
Integrity of Protective Casing Describe: good, intact
Protective Casing Material Steel ☒ Stainless Steel ☐ Other _____
Protective Casing Width or Dia. 4 inches
Weep Hole in Protective Casing Yes ☐ No ☒
Surface Seal/Apron Material Cement ☐ Bentonite ☐ Not apparent ☒ Other _____
Integrity of Surface Seal/Apron Describe: Not apparent
Surface Drainage Away from Wellhead ☒ Toward Wellhead ☐
Bollards Present? Yes ☐ No ☒ Describe: _____
Well ID. Visible? Yes ☒ No ☐ Describe: on casing
Lock Present and Functional? Yes ☒ No ☐ Describe: _____
Photograph Taken? Photo # Yes ☒ No ☐ Describe: _____

Inner Appearance

Integrity of Well Casing Describe: good, intact
Integrity of Cap Seal Describe: good
Surface Water in Casing? Yes ☐ No ☒ Describe: _____
Well Casing Diameter 2 inches
Well Casing Material PVC ☒ Steel ☐ Stainless Steel ☐
Inner Cap Threaded ☒ Slip ☐ Expansion Plug ☐ None ☐
Reference/Measuring Point Groove ☐ Indelible Mark ☒ None ☐
Evidence of Double Casing? Yes ☐ No ☒ Describe: _____

Downhole

Odor Yes ☐ No ☒ Describe: _____
PID Reading 0.5 ppm
Depth to Water (to top of casing) 8.75 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A ☒
Total Well Depth (to top of casing) 13.33 feet (nearest 0.1)
Sediment (Hard/Soft Bottom) Describe: Hard bottom

Additional Comments:

Groundwater Monitoring Well Inspection

Site/Project Name: Gladding Cordage Project Number: 30055695

Date of Inspection: 10/13/2020 Inspector: K Stilson

Well Designation: TW-2E

Well Location: East of Building

Outward Appearance

Flushmount Diameter _____ inches N/A ☒

Approximate Stickup Height 2 feet N/A ☐

Integrity of Protective Casing Describe: Good, intact

Protective Casing Material Steel ☒ Stainless Steel ☐ Other _____

Protective Casing Width or Dia. 4 inches

Weep Hole in Protective Casing Yes ☐ No ☒

Surface Seal/Apron Material Cement ☐ Bentonite ☐ Not apparent ☒ Other _____

Integrity of Surface Seal/Apron Describe: Not apparent

Surface Drainage Away from Wellhead ☒ Toward Wellhead ☐

Bollards Present? Yes ☐ No ☒ Describe: _____

Well ID. Visible? Yes ☒ No ☐ Describe: on casing

Lock Present and Functional? Yes ☒ No ☐ Describe: _____

Photograph Taken? Photo # Yes ☒ No ☐ Describe: _____

Inner Appearance

Integrity of Well Casing Describe: good, intact

Integrity of Cap Seal Describe: good

Surface Water in Casing? Yes ☐ No ☒ Describe: _____

Well Casing Diameter 2 inches

Well Casing Material PVC ☐ Steel ☐ Stainless Steel ☒

Inner Cap Threaded ☐ Slip ☒ Expansion Plug ☐ None ☐

Reference/Measuring Point Groove ☐ Indelible Mark ☐ None ☒

Evidence of Double Casing? Yes ☐ No ☒ Describe: _____

Downhole

Odor Yes ☐ No ☒ Describe: _____

PID Reading 0.4 ppm

Depth to Water (to top of casing) 86.3 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A ☒

Total Well Depth (to top of casing) 55.40 feet (nearest 0.1)

Sediment (Hard/Soft Bottom) Describe: soft bottom

Additional Comments:

Groundwater Monitoring Well Inspection

Site/Project Name: Gladding Cordage

Project Number: 30055695

Date of Inspection: 10/13/2020

Inspector: K Stilson

Well Designation: TW-2D

Well Location: East of Building

Outward Appearance

Flushmount Diameter	<u> </u> inches	N/A ☒	
Approximate Stickup Height	<u>2.5</u> feet	N/A ☐	
Integrity of Protective Casing	Describe: <u>Good, Intact</u>		
Protective Casing Material	Steel ☒	Stainless Steel ☐	Other <u> </u>
Protective Casing Width or Dia.	<u>4</u> inches		
Weep Hole in Protective Casing	Yes ☐	No ☒	
Surface Seal/Apron Material	Cement ☐	Bentonite ☐	Not apparent ☒ Other <u> </u>
Integrity of Surface Seal/Apron	Describe: <u>Not apparent</u>		
Surface Drainage	Away from Wellhead ☒	Toward Wellhead ☐	
Bollards Present?	Yes ☐	No ☒	Describe: <u> </u>
Well ID. Visible?	Yes ☒	No ☐	Describe: <u>On casing</u>
Lock Present and Functional?	Yes ☒	No ☐	Describe: <u> </u>
Photograph Taken? Photo #	Yes ☒	No ☐	Describe: <u> </u>

Inner Appearance

Integrity of Well Casing	Describe: <u>Good, intact, slightly warped</u>		
Integrity of Cap Seal	Describe: <u>Good</u>		
Surface Water in Casing?	Yes ☐	No ☒	Describe: <u> </u>
Well Casing Diameter	<u>2</u> inches		
Well Casing Material	PVC ☐	Steel ☐	Stainless Steel ☒
Inner Cap	Threaded ☐	Slip ☒	Expansion Plug ☐ None ☐
Reference/Measuring Point	Groove ☐	Indelible Mark ☐	None ☒
Evidence of Double Casing?	Yes ☐	No ☒	Describe: <u> </u>

Downhole

Odor	Yes ☐	No ☒	Describe: <u> </u>
PID Reading	<u>0.4</u> ppm		
Depth to Water (to top of casing)	<u>8.73</u> feet (nearest 0.01)	Depth to LNAPL	<u> </u> feet (nearest 0.01) N/A ☒
Total Well Depth (to top of casing)	<u>93.93</u> feet (nearest 0.1)		
Sediment (Hard/Soft Bottom)	Describe: <u>soft bottom</u>		

Additional Comments:

Groundwater Monitoring Well Inspection

Site/Project Name: Gladding Cordage Project Number: 30055695
 Date of Inspection: 10/14/2020 Inspector: K Stilson
 Well Designation: TW-35
 Well Location: southeast of building, adjacent to pavilion

Outward Appearance

Flushmount Diameter _____ inches N/A ☒
 Approximate Stickup Height ~3 feet N/A ☐
 Integrity of Protective Casing Describe: good intact
 Protective Casing Material Steel ☒ Stainless Steel ☐ Other _____
 Protective Casing Width or Dia. 4 inches
 Weep Hole in Protective Casing Yes ☐ No ☒
 Surface Seal/Apron Material Cement ☒ Bentonite ☐ Not apparent ☐ Other _____
 Integrity of Surface Seal/Apron Describe: Good
 Surface Drainage Away from Wellhead ☐ Toward Wellhead ☐
 Bollards Present? Yes ☐ No ☒ Describe: _____
 Well ID. Visible? Yes ☒ No ☐ Describe: on casing
 Lock Present and Functional? Yes ☒ No ☐ Describe: _____
 Photograph Taken? Photo # Yes ☒ No ☐ Describe: _____

Inner Appearance

Integrity of Well Casing Describe: good intact
 Integrity of Cap Seal Describe: good
 Surface Water in Casing? Yes ☐ No ☒ Describe: _____
 Well Casing Diameter 2 inches
 Well Casing Material PVC ☒ Steel ☐ Stainless Steel ☐
 Inner Cap Threaded ☒ Slip ☐ Expansion Plug ☐ None ☐
 Reference/Measuring Point Groove ☐ Indelible Mark ☒ None ☐
 Evidence of Double Casing? Yes ☐ No ☒ Describe: _____

Downhole

Odor Yes ☐ No ☒ Describe: _____
 PID Reading 0.0 ppm
 Depth to Water (to top of casing) 18.4 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A ☒
 Total Well Depth (to top of casing) 17.7 feet (nearest 0.1)
 Sediment (Hard/Soft Bottom) Describe: Hard bottom

Additional Comments:

Lock replaced at well.

Groundwater Monitoring Well Inspection

Site/Project Name: Gladding Cordage

Project Number: 30055695

Date of Inspection: 10/14/2020

Inspector: K. Stilson

Well Designation: TW-3I

Well Location: Southeast of building, adjacent to pavilion

Outward Appearance

Flushmount Diameter inches N/A ☒
 Approximate Stickup Height ~3 feet N/A ☐
 Integrity of Protective Casing Describe: good intact
 Protective Casing Material Steel ☒ Stainless Steel ☐ Other
 Protective Casing Width or Dia. 4 inches
 Weep Hole in Protective Casing Yes ☐ No ☒
 Surface Seal/Apron Material Cement ☒ Bentonite ☐ Not apparent ☐ Other
 Integrity of Surface Seal/Apron Describe: Good
 Surface Drainage Away from Wellhead ☐ Toward Wellhead ☒
 Bollards Present? Yes ☐ No ☒ Describe:
 Well ID. Visible? Yes ☒ No ☐ Describe: on casing
 Lock Present and Functional? Yes ☒ No ☐ Describe:
 Photograph Taken? Photo # Yes ☒ No ☐ Describe:

Inner Appearance

Integrity of Well Casing Describe: good intact
 Integrity of Cap Seal Describe: good
 Surface Water in Casing? Yes ☐ No ☒ Describe:
 Well Casing Diameter 2 inches
 Well Casing Material PVC ☐ Steel ☒ Stainless Steel ☐
 Inner Cap Threaded ☐ Slip ☒ Expansion Plug ☐ None ☐
 Reference/Measuring Point Groove ☐ Indelible Mark ☒ None ☐
 Evidence of Double Casing? Yes ☐ No ☒ Describe:

Downhole

Odor Yes ☐ No ☒ Describe:
 PID Reading 0.0 ppm
 Depth to Water (to top of casing) 9.67 feet (nearest 0.01) Depth to LNAPL feet (nearest 0.01) N/A ☒
 Total Well Depth (to top of casing) 50.10 feet (nearest 0.1)
 Sediment (Hard/Soft Bottom) Describe: soft bottom

Additional Comments:

Groundwater Monitoring Well Inspection

Site/Project Name: Gladding Cordage

Project Number: 30055695

Date of Inspection: 10/14/2020

Inspector: K Stilson

Well Designation: TW-30

Well Location: SE of building, adjacent to pavilion

Outward Appearance

Flushmount Diameter	<u> </u> inches	N/A ☒	
Approximate Stickup Height	<u>~2</u> feet	N/A ☐	
Integrity of Protective Casing	Describe: <u>Good intact</u>		
Protective Casing Material	Steel ☒	Stainless Steel ☐	Other <u> </u>
Protective Casing Width or Dia.	<u>4</u> inches		
Weep Hole in Protective Casing	Yes ☐	No ☒	
Surface Seal/Apron Material	Cement ☒	Bentonite ☐	Not apparent ☐ Other <u> </u>
Integrity of Surface Seal/Apron	Describe: <u>Good</u>		
Surface Drainage	Away from Wellhead ☐	Toward Wellhead ☐	
Bollards Present?	Yes ☐	No ☒	Describe: <u> </u>
Well ID. Visible?	Yes ☒	No ☐	Describe: <u>on casing</u>
Lock Present and Functional?	Yes ☒	No ☐	Describe: <u> </u>
Photograph Taken? Photo #	Yes ☒	No ☐	Describe: <u> </u>

Inner Appearance

Integrity of Well Casing	Describe: <u>Good Intact</u>		
Integrity of Cap Seal	Describe: <u>Good</u>		
Surface Water in Casing?	Yes ☐	No ☒	Describe: <u> </u>
Well Casing Diameter	<u>2</u> inches		
Well Casing Material	PVC ☐	Steel ☒	Stainless Steel ☐
Inner Cap	Threaded ☐	Slip ☒	Expansion Plug ☐ None ☐
Reference/Measuring Point	Groove ☐	Indelible Mark ☒	None ☐
Evidence of Double Casing?	Yes ☐	No ☒	Describe: <u> </u>

Downhole

Odor	Yes ☐	No ☒	Describe: <u> </u>
PID Reading	<u>0.0</u> ppm		
Depth to Water (to top of casing)	<u>9.93</u> feet (nearest 0.01)	Depth to LNAPL	<u> </u> feet (nearest 0.01) N/A ☒
Total Well Depth (to top of casing)	<u>100.9</u> feet (nearest 0.1)		
Sediment (Hard/Soft Bottom)	Describe: <u>soft bottom</u>		

Additional Comments:

Groundwater Monitoring Well Inspection

Site/Project Name: Gladding Cordage

Project Number: 30055695

Date of Inspection: 10/13/2020

Inspector: J. Mullins

Well Designation: TW-4I

Well Location: CORNER OF RT. 13 & DRIVEWAY; IN GRASSY AREA

Outward Appearance

Flushmount Diameter	<u>8</u> inches	N/A []
Approximate Stickup Height	<u> </u> feet	N/A [✓]
Integrity of Protective Casing	Describe: <u>GOOD</u>	
Protective Casing Material	Steel [✓]	Stainless Steel [] Other <u> </u>
Protective Casing Width or Dia.	<u>4</u> inches	
Weep Hole in Protective Casing	Yes []	No [✓]
Surface Seal/Apron Material	Cement [✓]	Bentonite [] Not apparent [] Other <u> </u>
Integrity of Surface Seal/Apron	Describe: <u>GOOD</u>	
Surface Drainage	Away from Wellhead []	Toward Wellhead [✓]
Bollards Present?	Yes []	No [✓] Describe: <u> </u>
Well ID. Visible?	Yes []	No [✓] Describe: <u> </u>
Lock Present and Functional?	Yes []	No [✓] Describe: <u> </u>
Photograph Taken? Photo #	Yes [✓]	No [] Describe: <u> </u>

Inner Appearance

Integrity of Well Casing	Describe: <u>GOOD</u>		
Integrity of Cap Seal	Describe: <u>GOOD</u>		
Surface Water in Casing?	Yes []	No [✓]	Describe: <u> </u>
Well Casing Diameter	<u>2</u> inches		
Well Casing Material	PVC [✓]	Steel []	Stainless Steel []
Inner Cap	Threaded []	Slip []	Expansion Plug [✓] None []
Reference/Measuring Point	Groove []	Indelible Mark [✓]	None []
Evidence of Double Casing?	Yes []	No [✓]	Describe: <u>STEEL 4" CASING FROM WELL BEING CONVERTED</u>

Downhole

Odor	Yes []	No [✓]	Describe: <u> </u>
PID Reading	<u>0.0</u> ppm		
Depth to Water (to top of casing)	<u>7.70</u> feet (nearest 0.01)	Depth to LNAPL	<u> </u> feet (nearest 0.01) N/A [✓]
Total Well Depth (to top of casing)	<u>67.20</u> feet (nearest 0.1)		
Sediment (Hard/Soft Bottom)	Describe: <u>Soft bottom</u>		

Additional Comments:

Groundwater Monitoring Well Inspection

Site/Project Name: Gladding Cordage

Project Number: 30055695

Date of Inspection: 10/13/2020

Inspector: K. Stilson

Well Designation: TW-55

Well Location: Behind church, south side of gladding building

Outward Appearance

Flushmount Diameter	<u> </u> inches	N/A ☒
Approximate Stickup Height	<u>~2</u> feet	N/A ☐
Integrity of Protective Casing	Describe: <u>good, intact</u>	
Protective Casing Material	Steel ☒	Stainless Steel ☐ Other <u> </u>
Protective Casing Width or Dia.	<u>4</u> inches	
Weep Hole in Protective Casing	Yes ☐	No ☒
Surface Seal/Apron Material	Cement ☐	Bentonite ☐ Not apparent ☒ Other <u> </u>
Integrity of Surface Seal/Apron	Describe: <u>Not apparent</u>	
Surface Drainage	Away from Wellhead ☒	Toward Wellhead ☐
Bollards Present?	Yes ☐	No ☒ Describe: <u> </u>
Well ID. Visible?	Yes ☒	No ☐ Describe: <u>on casing</u>
Lock Present and Functional?	Yes ☒	No ☐ Describe: <u> </u>
Photograph Taken? Photo #	Yes ☒	No ☐ Describe: <u> </u>

Inner Appearance

Integrity of Well Casing	Describe: <u>Good, intact</u>		
Integrity of Cap Seal	Describe: <u>Good</u>		
Surface Water in Casing?	Yes ☐	No ☒	Describe: <u> </u>
Well Casing Diameter	<u>2</u> inches		
Well Casing Material	PVC ☒	Steel ☐	Stainless Steel ☐
Inner Cap	Threaded ☐	Slip ☐	Expansion Plug ☒ None ☐
Reference/Measuring Point	Groove ☐	Indelible Mark ☐	None ☒
Evidence of Double Casing?	Yes ☐	No ☒	Describe: <u> </u>

Downhole

Odor	Yes ☐	No ☒	Describe: <u> </u>
PID Reading	<u>0.0</u> ppm		
Depth to Water (to top of casing)	<u>8.70</u> feet (nearest 0.01)	Depth to LNAPL	<u> </u> feet (nearest 0.01) N/A ☒
Total Well Depth (to top of casing)	<u>22.15</u> feet (nearest 0.1)		
Sediment (Hard/Soft Bottom)	Describe: <u>Hard bottom</u>		

Additional Comments:

Groundwater Monitoring Well Inspection

Site/Project Name: Gladding Cordage Project Number: 30055695
Date of Inspection: 10/12/2020 Inspector: K. S. Wilson
Well Designation: TW-5I
Well Location: Behind church, southside of building

Outward Appearance

Flushmount Diameter _____ inches N/A ☒
Approximate Stickup Height ~2 feet N/A ☐
Integrity of Protective Casing Describe: Good, intact
Protective Casing Material Steel ☒ Stainless Steel ☐ Other _____
Protective Casing Width or Dia. 4 inches
Weep Hole in Protective Casing Yes ☐ No ☒
Surface Seal/Apron Material Cement ☐ Bentonite ☐ Not apparent ☒ Other _____
Integrity of Surface Seal/Apron Describe: Not apparent
Surface Drainage Away from Wellhead ☒ Toward Wellhead ☐
Bollards Present? Yes ☐ No ☒ Describe: _____
Well ID. Visible? Yes ☒ No ☐ Describe: on casing
Lock Present and Functional? Yes ☒ No ☐ Describe: _____
Photograph Taken? Photo # Yes ☒ No ☐ Describe: _____

Inner Appearance

Integrity of Well Casing Describe: good intact
Integrity of Cap Seal Describe: good
Surface Water in Casing? Yes ☐ No ☒ Describe: _____
Well Casing Diameter 2 inches
Well Casing Material PVC ☒ Steel ☐ Stainless Steel ☐
Inner Cap Threaded ☐ Slip ☐ Expansion Plug ☒ None ☐
Reference/Measuring Point Groove ☐ Indelible Mark ☐ None ☒
Evidence of Double Casing? Yes ☐ No ☒ Describe: _____

Downhole

Odor Yes ☐ No ☒ Describe: _____
PID Reading 0.0 ppm
Depth to Water (to top of casing) 9.24 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A ☒
Total Well Depth (to top of casing) 10.93 feet (nearest 0.1)
Sediment (Hard/Soft Bottom) Describe: Soft bottom

Additional Comments:

Groundwater Monitoring Well Inspection

Site/Project Name: Gladding Cordage

Project Number: 30055695

Date of Inspection: 10/12/2020

Inspector: K Skilton

Well Designation: TW-SD

Well Location: Southside of building

Outward Appearance

Flushmount Diameter _____ inches N/A ☒

Approximate Stickup Height ~25 feet N/A ☐

Integrity of Protective Casing Describe: good, intact

Protective Casing Material Steel ☒ Stainless Steel ☐ Other _____

Protective Casing Width or Dia. 4 inches

Weep Hole in Protective Casing Yes ☐ No ☒

Surface Seal/Apron Material Cement ☒ Bentonite ☐ Not apparent ☐ Other _____

Integrity of Surface Seal/Apron Describe: Good

Surface Drainage Away from Wellhead ☐ Toward Wellhead ☒

Bollards Present? Yes ☐ No ☒ Describe: _____

Well ID. Visible? Yes ☒ No ☐ Describe: on casing

Lock Present and Functional? Yes ☒ No ☐ Describe: _____

Photograph Taken? Photo # Yes ☒ No ☐ Describe: _____

Inner Appearance

Integrity of Well Casing Describe: Good Intact

Integrity of Cap Seal Describe: Good

Surface Water in Casing? Yes ☐ No ☒ Describe: _____

Well Casing Diameter 2 inches

Well Casing Material PVC ☐ Steel ☐ Stainless Steel ☒

Inner Cap Threaded ☐ Slip ☒ Expansion Plug ☐ None ☐

Reference/Measuring Point Groove ☐ Indelible Mark ☒ None ☐

Evidence of Double Casing? Yes ☐ No ☒ Describe: _____

Downhole

Odor Yes ☐ No ☒ Describe: _____

PID Reading 0.0 ppm

Depth to Water (to top of casing) 10.13 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A ☒

Total Well Depth (to top of casing) 90.53 feet (nearest 0.1)

Sediment (Hard/Soft Bottom) Describe: soft bottom

Additional Comments:

Groundwater Monitoring Well Inspection

Site/Project Name: Gladding CordageProject Number: 30055695Date of Inspection: 10/12/2020Inspector: J. MullinsWell Designation: TW-65Well Location: Right of House 129 in Grass; in front of tree

Outward Appearance

Flushmount Diameter 8 inches N/A []
 Approximate Stickup Height _____ feet N/A []
 Integrity of Protective Casing Describe: Good; intact
 Protective Casing Material Steel [] Stainless Steel [] Other _____
 Protective Casing Width or Dia. 4 inches
 Weep Hole in Protective Casing Yes [] No []
 Surface Seal/Apron Material Cement [] Bentonite [] Not apparent [] Other _____
 Integrity of Surface Seal/Apron Describe: Good
 Surface Drainage Away from Wellhead [] Toward Wellhead []
 Bollards Present? Yes [] No [] Describe: _____
 Well ID. Visible? Yes [] No [] Describe: On casing underside
 Lock Present and Functional? Yes [] No [] Describe: Flush mount
 Photograph Taken? Photo # Yes [] No [] Describe: _____

Inner Appearance

Integrity of Well Casing Describe: Good; intact
 Integrity of Cap Seal Describe: Good
 Surface Water in Casing? Yes [] No [] Describe: _____
 Well Casing Diameter 2 inches
 Well Casing Material PVC [] Steel [] Stainless Steel []
 Inner Cap Threaded [] Slip [] Expansion Plug [] None []
 Reference/Measuring Point Groove [] Indelible Mark [] None []
 Evidence of Double Casing? Yes [] No [] Describe: Steel casing around PVC from well being converted

Downhole

Odor Yes [] No [] Describe: _____
 PID Reading 0.0 ppm
 Depth to Water (to top of casing) 7.67 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A []
 Total Well Depth (to top of casing) 22.14 feet (nearest 0.1)
 Sediment (Hard/Soft Bottom) Describe: Soft bottom

Additional Comments:

Bolts missing & bends in well pipe
 → BOLTS SNAPPED IN THREADED HOLE OF WELL SKIRT

Groundwater Monitoring Well Inspection

Site/Project Name: Gladding Cordage Project Number: 30055695
Date of Inspection: 10/12/2020 Inspector: J. Mullins
Well Designation: TW-6I
Well Location: Next to Town Hall in Grassy Area

Outward Appearance

Flushmount Diameter 8 inches N/A []
Approximate Stickup Height _____ feet N/A []
Integrity of Protective Casing Describe: Good; intact
Protective Casing Material Steel [] Stainless Steel [] Other _____
Protective Casing Width or Dia. 4 inches
Weep Hole in Protective Casing Yes [] No []
Surface Seal/Apron Material Cement [] Bentonite [] Not apparent [] Other _____
Integrity of Surface Seal/Apron Describe: Good
Surface Drainage Away from Wellhead [] Toward Wellhead []
Bollards Present? Yes [] No [] Describe: _____
Well ID. Visible? Yes [] No [] Describe: On casing underside
Lock Present and Functional? Yes [] No [] Describe: Flush mount
Photograph Taken? Photo # Yes [] No [] Describe: _____

Inner Appearance

Integrity of Well Casing Describe: Good; intact
Integrity of Cap Seal Describe: Good
Surface Water in Casing? Yes [] No [] Describe: _____
Well Casing Diameter 2 inches
Well Casing Material PVC [] Steel [] Stainless Steel []
Inner Cap Threaded [] Slip [] Expansion Plug [] None []
Reference/Measuring Point Groove [] Indelible Mark [] None []
Evidence of Double Casing? Yes [] No [] Describe: Steel 4" casing from well being converted

Downhole

Odor Yes [] No [] Describe: _____
PID Reading 0.0 ppm
Depth to Water (to top of casing) 8.40 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A []
Total Well Depth (to top of casing) 68.63 feet (nearest 0.1)
Sediment (Hard/Soft Bottom) Describe: Soft bottom

Additional Comments:

Missing both well cover bolts

Groundwater Monitoring Well Inspection

Site/Project Name: Gladding CordageProject Number: 30055695Date of Inspection: 10/12/2020Inspector: J. MullinsWell Designation: TW-6DWell Location: In grassy area between TW-6S & TW-6I

Outward Appearance

Flushmount Diameter 8 inches N/A ☐
 Approximate Stickup Height _____ feet N/A ☒
 Integrity of Protective Casing Describe: Good; intact
 Protective Casing Material Steel ☒ Stainless Steel ☐ Other _____
 Protective Casing Width or Dia. 4 inches
 Weep Hole in Protective Casing Yes ☐ No ☒
 Surface Seal/Apron Material Cement ☒ Bentonite ☐ Not apparent ☐ Other _____
 Integrity of Surface Seal/Apron Describe: Good
 Surface Drainage Away from Wellhead ☒ Toward Wellhead ☐
 Bollards Present? Yes ☐ No ☒ Describe: _____
 Well ID. Visible? Yes ☒ No ☐ Describe: On casing wellhead
 Lock Present and Functional? Yes ☐ No ☒ Describe: Flushmount
 Photograph Taken? Photo # Yes ☒ No ☐ Describe: _____

Inner Appearance

Integrity of Well Casing Describe: Good; intact
 Integrity of Cap Seal Describe: Good
 Surface Water in Casing? Yes ☐ No ☒ Describe: _____
 Well Casing Diameter 2 inches
 Well Casing Material PVC ☐ Steel ☐ Stainless Steel ☒
 Inner Cap Threaded ☐ Slip ☐ Expansion Plug ☒ None ☐
 Reference/Measuring Point Groove ☐ Indelible Mark ☐ None ☒
 Evidence of Double Casing? Yes ☐ No ☒ Describe: Steel 4" casing from well being converted

Downhole

Odor Yes ☐ No ☒ Describe: _____
 PID Reading 0.0 ppm
 Depth to Water (to top of casing) 8.02 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A ☒
 Total Well Depth (to top of casing) 98.65 feet (nearest 0.1)
 Sediment (Hard/Soft Bottom) Describe: Soft bottom

Additional Comments:

MISSING WELL COVER BOLTS (2) & BENDS IN WELL RISER

Groundwater Monitoring Well Inspection



Site/Project Name: Gladding Cordage Project Number: 30055695
 Date of Inspection: 10/12/2020 Inspector: K. Stibon
 Well Designation: TW-75
 Well Location: West side of building

Outward Appearance

Flushmount Diameter _____ inches N/A ☒
 Approximate Stickup Height ~2.5 feet N/A ☐
 Integrity of Protective Casing Describe: good, intact
 Protective Casing Material Steel ☒ Stainless Steel ☐ Other _____
 Protective Casing Width or Dia. 4 inches
 Weep Hole in Protective Casing Yes ☐ No ☒
 Surface Seal/Apron Material Cement ☒ Bentonite ☐ Not apparent ☐ Other _____
 Integrity of Surface Seal/Apron Describe: Fair some cracks
 Surface Drainage Away from Wellhead ☒ Toward Wellhead ☐
 Bollards Present? Yes ☐ No ☒ Describe: _____
 Well ID. Visible? Yes ☒ No ☐ Describe: on casing
 Lock Present and Functional? Yes ☒ No ☐ Describe: _____
 Photograph Taken? Photo # Yes ☒ No ☐ Describe: _____

Inner Appearance

Integrity of Well Casing Describe: good, intact
 Integrity of Cap Seal Describe: good
 Surface Water in Casing? Yes ☐ No ☒ Describe: _____
 Well Casing Diameter 2 inches
 Well Casing Material PVC ☐ Steel ☒ Stainless Steel ☐
 Inner Cap Threaded ☐ Slip ☒ Expansion Plug ☐ None ☐
 Reference/Measuring Point Groove ☐ Indelible Mark ☒ None ☐
 Evidence of Double Casing? Yes ☐ No ☒ Describe: _____

Downhole

Odor Yes ☐ No ☒ Describe: _____
 PID Reading 0.0 ppm
 Depth to Water (to top of casing) 9.63 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A ☒
 Total Well Depth (to top of casing) 18.15 feet (nearest 0.1)
 Sediment (Hard/Soft Bottom) Describe: Hard bottom

Additional Comments:

Groundwater Monitoring Well Inspection



Site/Project Name: Gladding Cordage Project Number: 30055695
 Date of Inspection: 10/12/2020 Inspector: K Stilson
 Well Designation: TW-7E
 Well Location: West side of building

Outward Appearance

Flushmount Diameter _____ inches N/A ☒
 Approximate Stickup Height ~2.5 feet N/A ☐
 Integrity of Protective Casing Describe: good; intact
 Protective Casing Material Steel ☒ Stainless Steel ☐ Other _____
 Protective Casing Width or Dia. 4 inches
 Weep Hole in Protective Casing Yes ☐ No ☒
 Surface Seal/Apron Material Cement ☒ Bentonite ☐ Not apparent ☐ Other _____
 Integrity of Surface Seal/Apron Describe: fair, minor breaks/cracks
 Surface Drainage Away from Wellhead ☒ Toward Wellhead ☐
 Bollards Present? Yes ☐ No ☒ Describe: _____
 Well ID. Visible? Yes ☒ No ☐ Describe: on casing
 Lock Present and Functional? Yes ☒ No ☐ Describe: _____
 Photograph Taken? Photo # Yes ☒ No ☐ Describe: _____

Inner Appearance

Integrity of Well Casing Describe: good; intact
 Integrity of Cap Seal Describe: good
 Surface Water in Casing? Yes ☐ No ☒ Describe: _____
 Well Casing Diameter 2 inches
 Well Casing Material PVC ☐ Steel ☐ Stainless Steel ☒
 Inner Cap Threaded ☐ Slip ☒ Expansion Plug ☐ None ☐
 Reference/Measuring Point Groove ☐ Indelible Mark ☐ None ☒
 Evidence of Double Casing? Yes ☐ No ☒ Describe: _____

Downhole

Odor Yes ☐ No ☒ Describe: _____
 PID Reading 0.0 ppm
 Depth to Water (to top of casing) 10.13 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A ☒
 Total Well Depth (to top of casing) 55.90 feet (nearest 0.1)
 Sediment (Hard/Soft Bottom) Describe: soft bottom

Additional Comments:

Groundwater Monitoring Well Inspection

Site/Project Name: Gladding Cordage

Project Number: 30055695

Date of Inspection: 10/12/2020

Inspector: K. Stilson

Well Designation: TW-7D

Well Location: West side of building

Outward Appearance

Flushmount Diameter inches N/A ☒
 Approximate Stickup Height ~2 feet N/A ☐
 Integrity of Protective Casing Describe: Good Intact
 Protective Casing Material Steel ☒ Stainless Steel ☐ Other
 Protective Casing Width or Dia. 4 inches
 Weep Hole in Protective Casing Yes ☐ No ☒
 Surface Seal/Apron Material Cement ☒ Bentonite ☐ Not apparent ☐ Other
 Integrity of Surface Seal/Apron Describe: Good
 Surface Drainage Away from Wellhead ☒ Toward Wellhead ☐
 Bollards Present? Yes ☐ No ☒ Describe:
 Well ID. Visible? Yes ☒ No ☐ Describe: ON casing
 Lock Present and Functional? Yes ☒ No ☐ Describe:
 Photograph Taken? Photo # Yes ☒ No ☐ Describe:

Inner Appearance

Integrity of Well Casing Describe: GOOD, INTACT
 Integrity of Cap Seal Describe: GOOD
 Surface Water in Casing? Yes ☐ No ☒ Describe:
 Well Casing Diameter 2 inches
 Well Casing Material PVC ☐ Steel ☐ Stainless Steel ☒
 Inner Cap Threaded ☐ Slip ☐ Expansion Plug ☒ None ☐
 Reference/Measuring Point Groove ☐ Indelible Mark ☒ None ☐
 Evidence of Double Casing? Yes ☐ No ☒ Describe:

Downhole

Odor Yes ☐ No ☒ Describe:
 PID Reading 0.0 ppm
 Depth to Water (to top of casing) 9.92 feet (nearest 0.01) Depth to LNAPL feet (nearest 0.01) N/A ☒
 Total Well Depth (to top of casing) 86.67 feet (nearest 0.1)
 Sediment (Hard/Soft Bottom) Describe: Soft bottom

Additional Comments:

Groundwater Monitoring Well Inspection

Site/Project Name: Gladding Cordage

Project Number: 30055695

Date of Inspection: 10/13/2020

Inspector: J. Mullins

Well Designation: TW-9I

Well Location: W Maple Ave, behind church in grassy area

Outward Appearance

Flushmount Diameter _____ inches N/A ☒

Approximate Stickup Height 21 feet N/A ☐

Integrity of Protective Casing Describe: Good; intact

Protective Casing Material Steel ☒ Stainless Steel ☐ Other _____

Protective Casing Width or Dia. 4 inches

Weep Hole in Protective Casing Yes ☐ No ☒

Surface Seal/Apron Material Cement ☒ Bentonite ☐ Not apparent ☐ Other _____

Integrity of Surface Seal/Apron Describe: FAIR; minor cracks

Surface Drainage Away from Wellhead ☒ Toward Wellhead ☐

Bollards Present? Yes ☐ No ☒ Describe: _____

Well ID. Visible? Yes ☒ No ☐ Describe: On casing

Lock Present and Functional? Yes ☒ No ☐ Describe: _____

Photograph Taken? Photo # Yes ☒ No ☐ Describe: _____

Inner Appearance

Integrity of Well Casing Describe: Good; intact

Integrity of Cap Seal Describe: Good

Surface Water in Casing? Yes ☐ No ☒ Describe: _____

Well Casing Diameter 2 inches

Well Casing Material PVC ☐ Steel ☒ Stainless Steel ☐

Inner Cap Threaded ☐ Slip ☒ Expansion Plug ☐ None ☐

Reference/Measuring Point Groove ☐ Indelible Mark ☒ None ☐

Evidence of Double Casing? Yes ☐ No ☒ Describe: _____

Downhole

Odor Yes ☐ No ☒ Describe: _____

PID Reading 0.0 ppm

Depth to Water (to top of casing) 10.91 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A ☒

Total Well Depth (to top of casing) 63.52 feet (nearest 0.1)

Sediment (Hard/Soft Bottom) Describe: Soft bottom

Additional Comments:

Groundwater Monitoring Well Inspection

Site/Project Name: Gladding CordageProject Number: 30055695Date of Inspection: 10/13/2020Inspector: J. MullinsWell Designation: TW-91DWell Location: On Maple Ave; in front of White Gladding sign

Outward Appearance

Flushmount Diameter _____ inches N/A ☒
 Approximate Stickup Height 21 feet N/A ☐
 Integrity of Protective Casing Describe: Good; intact
 Protective Casing Material Steel ☒ Stainless Steel ☐ Other _____
 Protective Casing Width or Dia. 4 inches
 Weep Hole in Protective Casing Yes ☒ No ☐
 Surface Seal/Apron Material Cement ☒ Bentonite ☐ Not apparent ☐ Other _____
 Integrity of Surface Seal/Apron Describe: Good
 Surface Drainage Away from Wellhead ☒ Toward Wellhead ☐
 Bollards Present? Yes ☐ No ☒ Describe: _____
 Well ID. Visible? Yes ☒ No ☐ Describe: On casing
 Lock Present and Functional? Yes ☐ No ☒ Describe: Broken on arrival; replaced lock
 Photograph Taken? Photo # Yes ☒ No ☐ Describe: _____

Inner Appearance

Integrity of Well Casing Describe: Good; intact
 Integrity of Cap Seal Describe: Good
 Surface Water in Casing? Yes ☐ No ☒ Describe: _____
 Well Casing Diameter 2 inches
 Well Casing Material PVC ☐ Steel ☐ Stainless Steel ☒
 Inner Cap Threaded ☐ Slip ☒ Expansion Plug ☐ None ☐
 Reference/Measuring Point Groove ☐ Indelible Mark ☐ None ☒
 Evidence of Double Casing? Yes ☐ No ☒ Describe: _____

Downhole

Odor Yes ☐ No ☒ Describe: _____
 PID Reading 0.0 ppm
 Depth to Water (to top of casing) 11.35 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A ☒
 Total Well Depth (to top of casing) 85.08 feet (nearest 0.1)
 Sediment (Hard/Soft Bottom) Describe: Soft bottom

Additional Comments:

Replaced lock

Groundwater Monitoring Well Inspection

Site/Project Name: Gladding Cordage

Project Number: 30055695

Date of Inspection: 10/13/2020

Inspector: J. Mullins

Well Designation: TW-10D

Well Location: IN town park; back left of pavilion

Outward Appearance

Flushmount Diameter 8.0 inches N/A []
 Approximate Stickup Height _____ feet N/A [✓]
 Integrity of Protective Casing Describe: Good; intact
 Protective Casing Material Steel [✓] Stainless Steel [] Other _____
 Protective Casing Width or Dia. _____ inches
 Weep Hole in Protective Casing Yes [] No [✓]
 Surface Seal/Apron Material Cement [✓] Bentonite [] Not apparent [] Other _____
 Integrity of Surface Seal/Apron Describe: Good
 Surface Drainage Away from Wellhead [] Toward Wellhead [✓]
 Bollards Present? Yes [] No [✓] Describe: _____
 Well ID. Visible? Yes [] No [✓] Describe: _____
 Lock Present and Functional? Yes [] No [✓] Describe: FLUSH MOUNT
 Photograph Taken? Photo # Yes [✓] No [] Describe: _____

Inner Appearance

Integrity of Well Casing Describe: Good; intact
 Integrity of Cap Seal Describe: Good
 Surface Water in Casing? Yes [] No [✓] Describe: _____
 Well Casing Diameter 2 inches
 Well Casing Material PVC [] Steel [] Stainless Steel [✓]
 Inner Cap Threaded [] Slip [] Expansion Plug [✓] None []
 Reference/Measuring Point Groove [] Indelible Mark [✓] None []
 Evidence of Double Casing? Yes [] No [✓] Describe: Steel 4" casing from well being converted

Downhole

Odor Yes [] No [✓] Describe: _____
 PID Reading 0.0 ppm
 Depth to Water (to top of casing) 7.54 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A [✓]
 Total Well Depth (to top of casing) 91.89 feet (nearest 0.1)
 Sediment (Hard/Soft Bottom) Describe: Soft bottom

Additional Comments:

Site/Project Name: Gladding CordageProject Number: 30053695Date of Inspection: 10/12/2020Inspector: J. MullinsWell Designation: TW-12TWell Location: NYSDEC Fish Hatchery**Outward Appearance**

Flushmount Diameter _____ inches N/A ☒
 Approximate Stickup Height ~2 feet N/A ☐
 Integrity of Protective Casing Describe: Good, intact
 Protective Casing Material Steel ☒ Stainless Steel ☐ Other _____
 Protective Casing Width or Dia. 4 inches
 Weep Hole in Protective Casing Yes ☐ No ☒
 Surface Seal/Apron Material Cement ☒ Bentonite ☐ Not apparent ☐ Other _____
 Integrity of Surface Seal/Apron Describe: Good
 Surface Drainage Away from Wellhead ☒ Toward Wellhead ☐
 Bollards Present? Yes ☐ No ☒ Describe: _____
 Well ID. Visible? Yes ☒ No ☐ Describe: On Casing
 Lock Present and Functional? Yes ☒ No ☐ Describe: _____
 Photograph Taken? Photo # Yes ☒ No ☐ Describe: _____

Inner Appearance

Integrity of Well Casing Describe: Good, intact
 Integrity of Cap Seal Describe: Good
 Surface Water in Casing? Yes ☐ No ☒ Describe: _____
 Well Casing Diameter 2 inches
 Well Casing Material PVC ☐ Steel ☐ Stainless Steel ☒
 Inner Cap Threaded ☒ Slip ☐ Expansion Plug ☐ None ☐
 Reference/Measuring Point Groove ☐ Indelible Mark ☒ None ☐
 Evidence of Double Casing? Yes ☐ No ☒ Describe: _____

Downhole

Odor Yes ☐ No ☒ Describe: _____
 PID Reading 3.1 ppm
 Depth to Water (to top of casing) 8.16 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A ☒
 Total Well Depth (to top of casing) 70.03 feet (nearest 0.1)
 Sediment (Hard/Soft Bottom) Describe: Soft bottom

Additional Comments:

Groundwater Monitoring Well Inspection

Site/Project Name: Gladding Cordage

Project Number: 30055695

Date of Inspection: 10/12/2020

Inspector: J. Mullins

Well Designation: TW-12D

Well Location: MSDEC Fish Hatchery

Outward Appearance

Flushmount Diameter _____ inches N/A ☒

Approximate Stickup Height 2 feet N/A ☐

Integrity of Protective Casing Describe: Good; intact

Protective Casing Material Steel ☒ Stainless Steel ☐ Other _____

Protective Casing Width or Dia. 4 inches

Weep Hole in Protective Casing Yes ☐ No ☒

Surface Seal/Apron Material Cement ☒ Bentonite ☐ Not apparent ☐ Other _____

Integrity of Surface Seal/Apron Describe: Good

Surface Drainage Away from Wellhead ☒ Toward Wellhead ☐

Bollards Present? Yes ☐ No ☒ Describe: _____

Well ID. Visible? Yes ☒ No ☐ Describe: ON CASING

Lock Present and Functional? Yes ☒ No ☐ Describe: _____

Photograph Taken? Photo # Yes ☒ No ☐ Describe: _____

Inner Appearance

Integrity of Well Casing Describe: Good; intact

Integrity of Cap Seal Describe: Good

Surface Water in Casing? Yes ☐ No ☒ Describe: _____

Well Casing Diameter 2 inches

Well Casing Material PVC ☐ Steel ☐ Stainless Steel ☒

Inner Cap Threaded ☒ Slip ☐ Expansion Plug ☐ None ☐

Reference/Measuring Point Groove ☐ Indelible Mark ☒ None ☐

Evidence of Double Casing? Yes ☐ No ☒ Describe: _____

Downhole

Odor Yes ☐ No ☒ Describe: _____

PID Reading 5.8 ppm

Depth to Water (to top of casing) 8.56 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A ☒

Total Well Depth (to top of casing) 99.21 feet (nearest 0.1)

Sediment (Hard/Soft Bottom) Describe: Soft bottom

Additional Comments:

Minor bends in well riser.

Groundwater Monitoring Well Inspection

Site/Project Name: Gladding CordageProject Number: 30055695Date of Inspection: 10/14/2020Inspector: J. MullinsWell Designation: TW-45Well Location: Left of church & across roadway; in grassy area

Outward Appearance

Flushmount Diameter 8 inches N/A ☐Approximate Stickup Height _____ feet N/A ☒Integrity of Protective Casing Describe: Good; intactProtective Casing Material Steel ☒ Stainless Steel ☐ Other _____Protective Casing Width or Dia. 4 inchesWeep Hole in Protective Casing Yes ☐ No ☒Surface Seal/Apron Material Cement ☒ Bentonite ☐ Not apparent ☐ Other _____Integrity of Surface Seal/Apron Describe: GoodSurface Drainage Away from Wellhead ☐ Toward Wellhead ☒Bollards Present? Yes ☐ No ☒ Describe: _____Well ID. Visible? Yes ☒ No ☐ Describe: On underside of well coverLock Present and Functional? Yes ☐ No ☒ Describe: Flush mountPhotograph Taken? Photo # Yes ☒ No ☐ Describe: _____

Inner Appearance

Integrity of Well Casing Describe: Good; intactIntegrity of Cap Seal Describe: GoodSurface Water in Casing? Yes ☐ No ☒ Describe: _____Well Casing Diameter 2 inchesWell Casing Material PVC ☐ Steel ☒ Stainless Steel ☐Inner Cap Threaded ☐ Slip ☐ Expansion Plug ☒ None ☐Reference/Measuring Point Groove ☐ Indelible Mark ☐ None ☒Evidence of Double Casing? Yes ☐ No ☒ Describe: Stick 4" casing from well being converted

Downhole

Odor Yes ☐ No ☒ Describe: _____PID Reading 0.8 ppmDepth to Water (to top of casing) 7.35 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A ☒Total Well Depth (to top of casing) 20.03 feet (nearest 0.1)Sediment (Hard/Soft Bottom) Describe: HARD BOTTOM

Additional Comments:

Missing 3 of 3 bolts for well skirt/flush mount cover

Groundwater Monitoring Well Inspection

Site/Project Name: Gladding Cordage

Project Number: 30055695

Date of Inspection: 10/13/2020

Inspector: J. Mullins

Well Designation: TW-14I

Well Location: Left of Church & across roadway in grassy area

Outward Appearance

Flushmount Diameter 8 inches N/A []
Approximate Stickup Height _____ feet N/A [✓]
Integrity of Protective Casing Describe: GOOD
Protective Casing Material Steel [✓] Stainless Steel [] Other _____
Protective Casing Width or Dia. 4 inches
Weep Hole in Protective Casing Yes [] No [✓]
Surface Seal/Apron Material Cement [✓] Bentonite [] Not apparent [] Other _____
Integrity of Surface Seal/Apron Describe: GOOD
Surface Drainage Away from Wellhead [✓] Toward Wellhead []
Bollards Present? Yes [] No [✓] Describe: _____
Well ID. Visible? Yes [✓] No [] Describe: ON WELL SKIRT
Lock Present and Functional? Yes [] No [✓] Describe: FLUSH MOUNT
Photograph Taken? Photo # Yes [✓] No [] Describe: _____

Inner Appearance

Integrity of Well Casing Describe: GOOD
Integrity of Cap Seal Describe: GOOD
Surface Water in Casing? Yes [] No [✓] Describe: _____
Well Casing Diameter 2 inches
Well Casing Material PVC [] Steel [] Stainless Steel [✓]
Inner Cap Threaded [] Slip [] Expansion Plug [✓] None []
Reference/Measuring Point Groove [] Indelible Mark [] None [✓]
Evidence of Double Casing? Yes [] No [✓] Describe: STEEL 4" CASING FROM WELL BEING CONVERTED

Downhole

Odor Yes [] No [✓] Describe: _____
PID Reading 0.0 ppm
Depth to Water (to top of casing) 7.85 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A [✓]
Total Well Depth (to top of casing) 75.21 feet (nearest 0.1)
Sediment (Hard/Soft Bottom) Describe: HARD BOTTOM

Additional Comments:

MISSING 1 OF 3 BOLTS

Groundwater Monitoring Well Inspection

Site/Project Name: Gladding Cordage Project Number: 30055695
Date of Inspection: 10/14/2020 Inspector: J. Mullins
Well Designation: TW-14D
Well Location: left of church & across roadway; in grassy area

Outward Appearance

Flushmount Diameter 8 inches N/A []
Approximate Stickup Height _____ feet N/A [✓]
Integrity of Protective Casing Describe: Good
Protective Casing Material Steel [✓] Stainless Steel [] Other _____
Protective Casing Width or Dia. 4 inches
Weep Hole in Protective Casing Yes [] No [✓]
Surface Seal/Apron Material Cement [✓] Bentonite [] Not apparent [] Other _____
Integrity of Surface Seal/Apron Describe: Good
Surface Drainage Away from Wellhead [] Toward Wellhead [✓]
Bollards Present? Yes [] No [✓] Describe: _____
Well ID. Visible? Yes [✓] No [] Describe: underside of well cover
Lock Present and Functional? Yes [] No [✓] Describe: Flush mount
Photograph Taken? Photo # Yes [✓] No [] Describe: _____

Inner Appearance

Integrity of Well Casing Describe: Good
Integrity of Cap Seal Describe: Good
Surface Water in Casing? Yes [] No [✓] Describe: _____
Well Casing Diameter 2 inches
Well Casing Material PVC [] Steel [] Stainless Steel [✓]
Inner Cap Threaded [] Slip [] Expansion Plug [✓] None []
Reference/Measuring Point Groove [] Indelible Mark [] None [✓]
Evidence of Double Casing? Yes [] No [✓] Describe: Steel 4" casing from well being connected

Downhole

Odor Yes [] No [✓] Describe: _____
PID Reading 0.0 ppm
Depth to Water (to top of casing) 7.69 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A [✓]
Total Well Depth (to top of casing) 89.93 feet (nearest 0.1)
Sediment (Hard/Soft Bottom) Describe: Soft bottom

Additional Comments:

Groundwater Monitoring Well Inspection

Site/Project Name: Gladding Cordage Project Number: 30055695

Date of Inspection: 10/13/2020 Inspector: K Stilson

Well Designation: TW-15

Well Location: Next to treatment building

Outward Appearance

Flushmount Diameter 6 inches N/A []
 Approximate Stickup Height _____ feet N/A []
 Integrity of Protective Casing Describe: Good
 Protective Casing Material Steel [X] Stainless Steel [] Other _____
 Protective Casing Width or Dia. 4 inches
 Weep Hole in Protective Casing Yes [] No [X]
 Surface Seal/Apron Material Cement [X] Bentonite [] Not apparent [] Other _____
 Integrity of Surface Seal/Apron Describe: Good
 Surface Drainage Away from Wellhead [X] Toward Wellhead []
 Bollards Present? Yes [] No [X] Describe: _____
 Well ID. Visible? Yes [] No [X] Describe: _____
 Lock Present and Functional? Yes [] No [X] Describe: flushmount
 Photograph Taken? Photo # Yes [X] No [] Describe: _____

Inner Appearance

Integrity of Well Casing Describe: Good, intact
 Integrity of Cap Seal Describe: Good
 Surface Water in Casing? Yes [] No [X] Describe: _____
 Well Casing Diameter 2 inches
 Well Casing Material PVC [X] Steel [] Stainless Steel []
 Inner Cap Threaded [] Slip [] Expansion Plug [X] None []
 Reference/Measuring Point Groove [] Indelible Mark [X] None []
 Evidence of Double Casing? Yes [] No [X] Describe: _____

Downhole

Odor Yes [] No [X] Describe: _____
 PID Reading 0.2 ppm
 Depth to Water (to top of casing) 10.33 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A [X]
 Total Well Depth (to top of casing) 78.73 feet (nearest 0.1)
 Sediment (Hard/Soft Bottom) Describe: Soft bottom

Additional Comments:

APPENDIX F

Site Photolog



Photograph Log

Gladding Cordage
NYSDEC Site No. 7-09-009
30055695



Photograph: 1

Description:
Monitoring well TW-1

Location: East of
Gladding Cordage
building.

Photograph taken by:
J. Mullins, K. Stilson

Date: 10/16/2020



Photograph: 2

Description:
Monitoring well TW-2D

Location: East of
Gladding Cordage
building.

Photograph taken by:
J. Mullins, K. Stilson

Date: 10/16/2020

Photograph Log

Gladding Cordage
NYSDEC Site No. 7-09-009
30055695



Photograph: 3

Description:

Monitoring well TW-21

Location: East of
Gladding Cordage
building.

Photograph taken by:

J. Mullins, K. Stilson

Date: 10/16/2020



Photograph: 4

Description:

Monitoring well TW-2S

Location: East of
Gladding Cordage
building.

Photograph taken by:

J. Mullins, K. Stilson

Date: 10/16/2020

Photograph Log

Gladding Cordage
NYSDEC Site No. 7-09-009
30055695



Photograph: 5

Description: TW-3
monitoring well cluster

Location: Southeast of
Gladding Cordage
building.

Photograph taken by:
J. Mullins, K. Stilson

Date: 10/16/2020



Photograph: 6

Description:
Monitoring well TW-4I

Location: Corner of
Route 13 and roadway.

Photograph taken by:
J. Mullins, K. Stilson

Date: 10/16/2020

Photograph Log

Gladding Cordage
NYSDEC Site No. 7-09-009
30055695



Photograph: 7

Description:
Monitoring well TW-5D

Location: Behind church and South of Gladding Cordage building.

Photograph taken by:
J. Mullins, K. Stilson

Date: 10/16/2020



Photograph: 8

Description:
Monitoring well TW-5I

Location: Behind church and South of Gladding Cordage building.

Photograph taken by:
J. Mullins, K. Stilson

Date: 10/16/2020

Photograph Log

Gladding Cordage
NYSDEC Site No. 7-09-009
30055695



Photograph: 9

Description:
Monitoring well TW-5S

Location: Behind church and South of Gladding Cordage building.

Photograph taken by:
J. Mullins, K. Stilson

Date: 10/16/2020



Photograph: 10

Description:
Monitoring well TW-6S

Location: East of Town Hall.

Photograph taken by:
J. Mullins, K. Stilson

Date: 10/16/2020

Photograph Log

Gladding Cordage
NYSDEC Site No. 7-09-009
30055695



Photograph: 11

Description:

Monitoring well TW-6I

Location: East of Town Hall.

Photograph taken by:

J. Mullins, K. Stilson

Date: 10/16/2020



Photograph: 12

Description:

Monitoring well TW-6D

Location: East of Town Hall.

Photograph taken by:

J. Mullins, K. Stilson

Date: 10/16/2020

Photograph Log

Gladding Cordage
NYSDEC Site No. 7-09-009
30055695



Photograph: 13

Description: TW-7
monitoring well cluster

Location: West of
Gladding Cordage
building.

Photograph taken by:
J. Mullins, K. Stilson

Date: 10/16/2020



Photograph: 14

Description: TW-9
monitoring well cluster

Location: On Maple
Avenue and behind
church.

Photograph taken by:
J. Mullins, K. Stilson

Date: 10/16/2020

Photograph Log

Gladding Cordage
NYSDEC Site No. 7-09-009
30055695



Photograph: 15

Description:
Monitoring well TW-10D

Location: In Town Park and adjacent to pavilion.

Photograph taken by:
J. Mullins, K. Stilson

Date: 10/16/2020



Photograph: 16

Description: TW-12 monitoring well cluster

Location: West of NYSDEC Fish Hatchery building.

Photograph taken by:
J. Mullins, K. Stilson

Date: 10/16/2020

Photograph Log

Gladding Cordage
NYSDEC Site No. 7-09-009
30055695



Photograph: 17

Description: TW-14
monitoring well cluster

Location: Southeast of
church in grassy area.

Photograph taken by:
J. Mullins, K. Stilson

Date: 10/16/2020



Photograph: 18

Description:
Monitoring well TW-15

Location: Adjacent to
Treatment System
building.

Photograph taken by:
J. Mullins, K. Stilson

Date: 10/16/2020

APPENDIX G

Groundwater Sampling Logs



 ARCADIS Design & Consultancy
for natural and built assets

Page 1 of 1

Well ID

Date _____

Weather

Well Material: PVC
SS

Water Column in Well (ft.)	6" - Test Well N/A

Gallons in Well unknown

Volumes Purged *MM*

Gallons Purged 50-100 gal

Label 1610
Sample Time Start 1600

Purge Method _____
Centrifugal _____
Submersible _____
Disp. Bailer _____
Other PIPING

Sampled By JML/CS

[illegible]

Well Location:	Adjacent to Town Hall Pavilion	Well Locked at Arrival:	yes
Condition of Well:	GOOD; operable	Well Locked at Departure:	yes
Well Completion:	Flush Mount / Stick Up	Key Number To Well:	unknown

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.28	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Slot size

	1.25" = 0.06	2" = 0.16	3" = 0.37
75-78 ft.	- 90 slot		
78-81 ft.	- 15 slot		
81-87 ft.	- 70 slot		

for natural and built assets

Well ID

Treatment System

Page 1 of 1

Date _____

10/13/2020

Gladding Cordage

Weather

50° Partly Sunny

Screen Setting
(ft-bmp)

various

Casing
Diameter (in.)

various

Well Material: PVC ✓
SS

Total Depth (ft-bmp) *various*

Static Water
Level (ft-bmp)

VARIOUS

Water Column
in Well (ft.)

VARIOUS

Gallons in Well

NM

MP Elevation

Pump Intake
(ft-bmp)

Various

Volumes Purged

VARIOUS

Gallons
Purged

0.25 gallons

Sample Method GRAB

Pump On/Off

Sample Time

Label	VARIOUS
Start	VARIOUS

Purge Method

Centrifugal

Submersible

Disp. Bailer

Other SAMPLE
PORT

Replicate/Code
No.

Sampled By

JM/ks

RW-1
RW-2
EFF

Constituents Sampled
PFAS S37 Modified
1,4-DIOXANE 82700
vol 82600

Well Location:	Various	Well Locked at Arrival:	NO
Condition of Well:	Good	Well Locked at Departure:	NO
Well Completion:	Flush Mount / Stick Up	Key Number To Well:	N/A

NOTES: EFF @ EFF-4642
MS/MSD COLLECTED AT 2W-1

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

 ARCADIS Design & Technology
for natural and
built spaces

Date 10/13/2020

Weather 50° Cloudy

Well Material: PVC X
SS

Gallons in Well 1.11 gal

Gallons
Purged 1.6 gal

Purge Method _____
Centrifugal _____
Submersible _____
Disp. Bailer _____
Other Reciprocating

[illegible][illegible]

Well Location:	East of building	Well Locked at Arrival:	yes
Condition of Well:	good	Well Locked at Departure:	yes
Well Completion:	Flush Mount / Stick Up	Key Number To Well:	0344

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Design & Construction
for natural and
built assets

Page 1 of 1

Date 10/13/2020

Weather 50° (100°)

Well Material: PVC SS

Gallons in Well 0.74 gal

Gallons Pumped 1.4001

Purge Method Centrifugal

Submersible _____
Disp. Bailer _____
Other 12" D.

[illegible]

Well Location:	East of building	Well Locked at Arrival:	yes
Condition of Well:	Good	Well Locked at Departure:	yes
Well Completion:	Flush Mount / Stick Up	Key Number To Well:	0344

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

 ARCADIS Design & Consultants
for natural and built assets

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

 ARCADIS Design & Consulting
for natural and built assets

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Groundwater Sampling Log

Page 1 of 1Project No. 30055695 Well ID TW-35Date 10/14/2020Project Name/Location Gladding CordageWeather 50° CloudyMeasuring Pt. Description Top of PVC Screen Setting (ft-bmp) Casing Diameter (in.) 2"Well Material: PVC ☒ SS ☐Total Depth (ft-bmp) 17.70' Static Water Level (ft-bmp) 10.34' Water Column in Well (ft.) 7.36'Gallons in Well 159 galMP Elevation Pump Intake (ft-bmp) ~15' Volumes Purged 1.60 galGallons Purged 1.60 galSample Method Grab Pump On/Off 0945/1045 Sample Time Label Start 1030 End 1045Purge Method
Centrifugal ☐
Submersible ☐
Disp. Bailer ☐
Other Pen PumpReplicate/Code No. Sampled By K. Stilson

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft) TOC	Gallons Purged	pH	Cond. (µmhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°F)	Redox (mV)	Appearance	
											Color	Odor
0950	5	200	10.43	0.20	6.40	0.899	0.3	6.14	13.16	55	Clear	None
0955	10	200	10.46	0.40	6.43	0.898	0.9	2.24	13.42	21	"	"
1000	15	200	10.47	0.60	6.46	0.897	1.0	1.91	13.40	6	"	"
1005	20	200	10.47	0.80	6.48	0.894	0.0	1.65	13.68	-17	"	"
1010	25	200	10.47	1.00	6.52	0.893	0.0	1.59	13.63	-25	"	"
1015	30	200	10.47	1.20	6.53	0.889	0.0	1.52	13.82	-40	"	"
1020	35	200	10.47	1.40	6.51	0.888	0.0	1.49	13.86	-45	"	"
1025	40	200	10.47	1.60	6.54	0.889	0.0	1.48	13.85	-48	"	"

Constituents Sampled	Container	Number	Preservative
PFAS	250 mL plastic	2	NA
1,4 Dioxane	1 Lister Amber	2	NA
VOC	VOC	3	HCl

Well Information

Well Location: <u>Southwest of building, adjacent to pavilion</u>	Well Locked at Arrival: <u>Yes</u>
Condition of Well: <u>Good</u>	Well Locked at Departure: <u>Yes</u>
Well Completion: <u>Flush Mount / (Stick Up)</u>	Key Number To Well: <u>0344</u>

NOTES:

Well Casing Volumes

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.28	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

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built aspects

Page 1 of 1

Date 10/14/2020

Weather 50° Sunny

Well Material: PVC SS ✓

Gallons in Well 14.02 gal

Gallons Purged 1.5 gal

Purge Method
Centrifugal _____
Submersible _____
Disp. Bailer _____
Other Pump

Other Person

[illegible]

Well Location:	SE of building adjacent to parking	Well Locked at Arrival:	Yes
Condition of Well:	good	Well Locked at Departure:	Yes
Well Completion:	Flush Mount / Stick Up	Key Number To Well:	0344

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

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for natural and built environments

Page 1 of 1

Date 10/13/2020

Weather Cloudy @ 54°F

Well Material: PVC SS

Gallons in Well 9.52

Gallons Purged 1.75

Purge Method Centrifugal

Submersible _____
Disp. Bailer _____
Other Reel Lifter

[illegible]

Well Location:	CORNER OF RT. 13 & DRIVENWAY; IN GRASSY AREA	Well Locked at Arrival:	NO
Condition of Well:	GOOD; MISSING 2 of 3 BOLTS	Well Locked at Departure:	NO
Well Completion:	☒ Flush Mount ☐ Stick Up	Key Number To Well:	N/A

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

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Date 10/13/2020

Weather 50° (cloudy) Rain

Well Material: PVC SS

Gallons in Well 2.19 gal

Gallons Purged 1.4 gal

Purge Method

Centrifugal

Submersible _____

Disp. Bailer

Other Per: Pump

[illegible][illegible]

Well Information

Well Location:	Behind building church, south side of building	Well Locked at Arrival:	yes
Condition of Well:	Good	Well Locked at Departure:	yes
Well Completion:	Flush Mount ☒ Stick Up ☐	Key Number To Well:	0344

NOTES:

Well Casing Volumes

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

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built assets

Date 10/12/2020

Weather 50° Cloudy

Well Material: PVC SS

Gallons in Well 10.05 gal

Gallons
Purged 1.75 gals

Purge Method _____
Centrifugal _____
Submersible _____
Disp. Baller _____
Other Peri Pump

Well Information	
Well Location:	Behind church, south side of Building
Condition of Well:	Good
Well Completion:	Flush Mount / Stick Up
Well Locked at Arrival:	Yes
Well Locked at Departure:	Yes
Key Number To Well:	2344

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Page 1 of 1

Project No. 30055695 Well ID TW-5D

Date 10/12/2020

Project Name/Location	Gladding Cordage

Weather 50° Cloudy

Measuring Pt. Description	Screen Setting (ft-bmp)	Casing Diameter (in.)
Top of SS		2"

Well Material: PVC SS X

Total Depth (ft-bmp)	90.53'	Static Water Level (ft-bmp)	10.13'	Water Column in Well (ft.)	80.40'

Gallons in Well 13.10 gal

MP Elevation _____ Pump Intake ~ 89' Volumes Purged 15 gal

Gallons Purged 1.5 gal

Sample Method Grab Pump On/Off 1525/1620 Sample Time Label 1600
Start 1600

Purge Method

Replicate/Code No. — Sampled By K. S. Silkan

Submersible _____
Disp. Bailer _____
Other Peri Pump

[illegible][illegible]

Well Information

Well Location:	South side of building	Well Locked at Arrival:	Yes
Condition of Well:	Good	Well Locked at Departure:	Yes
Well Completion:	Flush Mount / Stick Up	Key Number To Well:	0344

NOTES:

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.85	

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inbuilt assets.Page 1 of 1

Date 10/12/2020

Weather *Cloudy@54°F*

Well Material: PVC
SS

Gallons in Well 231

Gallons Purged 2.25

Purge Method

Centrifugal _____
Submersible _____
Disp. Bailer _____
Other Demolition

[illegible]

Well Location:	Right of House 129 in Grass; in front of tree	Well Locked at Arrival:	NO
Condition of Well:	POOR; NO WELL BOLTS	Well Locked at Departure:	NO
Well Completion:	Flush Mount / Stick Up	Key Number To Well:	N/A

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

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built assets

Page 1 of 1

Date 10/12/2020

Weather *Cloudy 25°F*

Well Material: PVC 0
SS 1

Gallons in Well 963

Gallons Purged 2.25

Purge Method _____
Centrifugal _____
Submersible _____
Disp. Bailer _____
Other Peristaltic

Other Peristaltic

Constituents Sampled	Container	Number	Preservative
PFAS 537 Modified	250 mL Plastic	2	—
1,4-DIOXANE 8270D	1L Amber	2	—
Vials 8260x	40 mL VOA vial	3	HCl

Well Location:	Next to Town Hall in Grassy Area	Well Locked at Arrival:	NO
Condition of Well:	POOR; MISSING BOTH BOLTS	Well Locked at Departure:	NO
Well Completion:	Flush Mount / Stick Up	Key Number To Well:	N/A

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Groundwater Sampling Log

Project No. 30085695 Well ID TW-6D
 Project Name/Location Gladding Cordage
 Measuring Pt. Description top of SS Screen Setting (ft-bmp) 8.02 Casing Diameter (in.) 2"
 Total Depth (ft-bmp) 98.65 Static Water Level (ft-bmp) 8.02 Water Column in Well (ft.) 90.63
 MP Elevation 96.65 Pump Intake (ft-bmp) 96.65 Volumes Purged 2.20
 Sample Method GRAB Pump On/Off 163 / 1702 Sample Time Label 1655
 Replicate/Code No. 1652 End 1702
 Sampled By J. Mullins

Page 1 of 1
 Date 10/12/2020
 Weather Cloudy @ 54°F
 Well Material: PVC ✓
 SS ✓
 Gallons in Well 14.50
 Gallons Purged 2.20
 Purge Method
 Centrifugal ✓
 Submersible ✓
 Disp. Bailer ✓
 Other Peristaltic

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft) TOC	Gallons Purged	pH	Cond. (µmhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance	
											Color	Odor
1615	0		8.02	0.20	7.24	0.366	2.7	8.41	12.24	164	Clear	None
1620	5		8.02	0.45	7.29	0.366	2.2	7.70	12.30	166	"	"
1625	10		8.02	0.75	7.32	0.365	2.0	6.03	12.32	167	"	"
1630	15		8.02	1.00	7.32	0.367	2.4	6.92	12.41	167	"	"
1635	20		8.02	1.35	7.32	0.368	2.4	7.08	12.05	169	"	"
1640	25		8.02	1.60	7.33	0.369	2.4	7.11	12.06	170	"	"
1645	30		8.02	1.90	7.33	0.368	2.1	7.08	12.04	171	"	"
1650	35		8.02	2.20	7.32	0.368	2.2	7.08	12.04	171	"	"

Constituents Sampled	Container	Number	Preservative
PFAS 537 Modified	250 mL Plastic	2	—
1,4-DIOXANE 8270D	1L Amber	2	—
VOCs 8260C	40 mL VOA VIAL	3	HCL

Well Information

Well Location: <u>In grassy area between TW-6S & TW-6F</u>	Well Locked at Arrival: <u>NO</u>
Condition of Well: <u>ROD MISSING BOTH BOLTS</u>	Well Locked at Departure: <u>NO</u>
Well Completion: <u>Flush Mount</u> / <u>Stick Up</u>	Key Number To Well: <u>N/A</u>

NOTES:

Well Casing Volumes

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Groundwater Sampling Log

Page 1 of 1

Project No. 30055695 Well ID TW-75

Date 10/12/2020

Project Name/Location Gladding Cordage

Weather 53° Cloudy

Measuring Pt. Description Top of SS Screen Setting (ft-bmp) Casing Diameter (in.) 2"

Well Material: PVC SS X

Total Depth (ft-bmp) 18.15' Static Water Level (ft-bmp) 9.63' Water Column in Well (ft.) 8.52'

Gallons in Well 1.38 gal

MP Elevation Pump Intake (ft-bmp) ~16' Volumes Purged 1.72 gal

Gallons Purged 1.72 gal

Sample Method Grab Pump On/Off 1335/1440 Sample Time Label Start 1420 End 1440

Purge Method

Replicate/Code No. Sampled By K Stilson

Centrifugal

Submersible

Disp. Bailor

Other Desi pump

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft) TOC	Gallons Purged	pH	Cond. (µmhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°F)	Redox (mV)	Appearance	
											Color	Odor
1340	5	200	9.64	0.22	7.09	0.467	41.0	4.88	14.22	158	clear	none
1345	10	200	9.64	0.44	6.97	0.476	30.0	4.27	13.76	120	clear	none
1350	15	200	9.64	0.66	7.02	0.476	18.9	3.56	13.69	118	"	"
1355	20	200	9.64	0.88	7.06	0.477	3.9	3.39	13.67	123	"	"
1400	25	200	9.64	1.10	7.08	0.476	0.0	4.17	13.72	129	"	"
1405	30	200	9.64	1.32	7.09	0.475	0.0	3.29	13.81	132	"	"
1410	35	200	9.64	1.54	7.09	0.475	0.0	3.27	13.83	132	"	"
1415	40	200	9.64	1.76	7.11	0.475	0.0	3.26	13.87	131	"	"

Constituents Sampled	Container	Number	Preservative
PFAS	250 mL plastic	2	NA
1,4-Dioxane	1 Liter Amber	2	NA
VOC	VQA	3	4cc

Well Information

Well Location:	West side of building	Well Locked at Arrival:	yes
Condition of Well:	Good	Well Locked at Departure:	yes
Well Completion:	Flush Mount / Stick Up	Key Number To Well:	0344

NOTES:

Well Casing Volumes

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

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built spaces.

Page 1 of 1

Date 10/12/2020

Weather 53° Cloudy

Well Material: PVC
SS X

Gallons in Well 7.46 gpi

Gallons Purged ~1.3 gal

Purge Method

Centrifugal _____

Submersible _____

Disp. Bailer _____
Other _____

Other res: pm

[illegible]

Well Location:	West side of building	Well Locked at Arrival:	Yes
Condition of Well:	Good	Well Locked at Departure:	Yes
Well Completion:	Flush Mount / Stick Up	Key Number To Well:	02544

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

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built assets

Page 1 of 1

TW-7D

Date 10/12/2020

Gladding Cordage

Weather 50° Cloudy

Casing Diameter (in.) 2

Well Material: PVC
SS 12

Gallons in Well 11.43 gal

Volumes Purged ~ 1.2 gal

Gallons
Purged ~1.2 gal

Label 1150
Sample Time Start 1150
End 1220

Purge Method
Centrifugal _____
Submersible _____
Disp. Bailer _____
Other per: pue

Sampled By KStilson

[illegible]

Well Location:	West side of building	Well Locked at Arrival:	Yes
Condition of Well:	Good	Well Locked at Departure:	Yes
Well Completion:	Flush Mount / Stick Up	Key Number To Well:	0314

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

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built assets.

Page 1 of 1

Date 10/13/2020

Weather *Rainy @ 54°F*

Well Material: PVC 0
SS ✓

Gallons in Well 8.41

Gallons Purged 1.50

Purge Method

Centrifugal _____
Submersible _____
Disp. Bailer _____
Other Boat Hoist

[illegible]

Well Location:	<u>On Maple Ave, behind church in grassy area</u>	Well Locked at Arrival:	<u>Yes</u>
Condition of Well:	<u>Great</u>	Well Locked at Departure:	<u>Yes</u>
Well Completion:	Flush Mount / <u>Stick Up</u>	Key Number To Well:	<u>0344</u>

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

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built spaces

Page 4 of 1

Well ID

Date 10/13/2020

Weather *Raining Q54F*

Well Material: PVC
SS

Gallons in Well 11.79

Gallons Purged 1.75

Purge Method Centrifugal

Submersible _____
Disp. Bailer _____
Other Re. 2.2 to 1.4

Constituents Sampled	Container	Number	Preservative
PEAK 537 Modified	250 mL Plastic	2	—
1,4-DIOXANE 8270D	2 L Amber	2	—
VOLS 8260C	40 mL VOA Vial	3	HCL

Well Location:	On Maple Ave; in front of white Gladling sign	Well Locked at Arrival:	NO
Condition of Well:	Great	Well Locked at Departure:	yes
Well Completion:	Flush Mount / <u>Slick Up</u>	Key Number To Well:	0344

NOTES: Broken lock observed on arrival. replaced lock

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Groundwater Sampling Log

Project No. 30055695 Well ID TW-10D
 Project Name/Location Gladding Cordage
 Measuring Pt. Description top of SS Screen Setting (ft-bmp) 7.54 Casing Diameter (in.) 2"
 Total Depth (ft-bmp) 91.89 Static Water Level (ft-bmp) 7.54 Water Column in Well (ft.) 84.35
 MP Elevation 89.89 Pump Intake (ft-bmp) 89.89 Volumes Purged 1.50
 Sample Method GRAB Pump On/Off 0858/0950 Sample Time Label 0935
 Replicate/Code No. 0932 End 0950 Sampled By J. Mullins

Page 1 of 1
 Date 10/13/2020
 Weather cloudy @ 52°F
 Well Material: PVC SS ☒
 Gallons in Well 13.49
 Gallons Purged 1.50
 Purge Method Peristaltic
 Centrifugal ☐
 Submersible ☐
 Disp. Bailer ☐
 Other Peristaltic

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft) TOC	Gallons Purged	pH	Cond. (µmhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C) (°F)	Redox (mV)	Appearance	
											Color	Odor
0900	0		7.55	0.0	6.37	0.352	9.2	9.92	12.17	213	Clear	None
0905	5		7.55	0.25	6.63	0.328	10.0	7.52	11.47	217	Light Tan	"
0910	10		7.55	0.50	6.58	0.316	24.5	6.66	11.29	219	Light Tan	"
0915	15		7.55	0.75	6.92	0.317	20.0	6.00	11.31	219	Clear	"
0920	20		7.55	1.00	6.98	0.319	16.9	5.36	11.34	218	"	"
0925	25		7.55	1.25	6.99	0.319	12.8	5.30	11.36	219	"	"
0930	30		7.55	1.50	7.00	0.320	14.6	5.32	11.37	218	"	"

Constituents Sampled	Container	Number	Preservative
PFAS 537 Modified	250 mL Plastic	2	—
1,4-DIOXANE 8270D	1L Amber	2	—
VOCs 8260C	40 mL VOA vial	3	HCL

Well Information			
Well Location:	<u>In Town park; left of pavilion to the back</u>	Well Locked at Arrival:	<u>NO</u>
Condition of Well:	<u>Great</u>	Well Locked at Departure:	<u>NO</u>
Well Completion:	<u>Flush Mount</u> / <u>Stick Up</u>	Key Number To Well:	<u>N/A</u>

NOTES:

Well Casing Volumes

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

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Page 1 of 1

Date 10/12/2020

Weather Cloudy 25/47

Well Material: PVC
SS

Gallons in Well 9.89

Gallons Purged 1.50

Purge Method _____
Centrifugal _____
Submersible _____
Disp. Bailer _____
Other Penistaltic

Replicate/Code No. _____ Sampled By J. Mullins _____

[illegible]

Well Location:	MSDEC Fish Hatchery	Well Locked at Arrival:	Yes
Condition of Well:	Good	Well Locked at Departure:	Yes
Well Completion:	Flush Mount / Stick Up	Key Number To Well:	0344

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Groundwater Sampling Log

Project No. 30055695 Well ID TW-12D
Project Name/Location Gladding Cordage
Measuring Pt. Description Top of SS Screen Setting (ft-bmp) Casing Diameter (in.) 2"
Total Depth (ft-bmp) 99.21 Static Water Level (ft-bmp) 8.56 Water Column in Well (ft.) 90.65
MP Elevation Pump Intake (ft-bmp) 97.21 Volumes Purged
Sample Method GRAB Pump On/Off 1135/1232 Sample Time Label 1220
Replicate/Code No. Sampled By J. Mullins Start 1218 End 1232

Date 10/12/2020
Weather Cloudy @ 54°F
Well Material: PVC SS ✓
Gallons in Well 14.50
Gallons Purged 2.1
Purge Method
Centrifugal
Submersible
Disp. Bailer
Other Peristaltic

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft) TOC	Gallons Purged	pH	Cond. (µmhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C) (°F)	Redox (mV)	Appearance	
											Color	Odor
1140	0		8.57	0.0	6.63	0.401	12.1	7.11	14.72	170	Clear	None
1145	5		8.57	0.3	6.72	0.388	10.0	6.01	14.37	166	"	"
1150	10		8.57	0.6	6.42	0.343	6.0	4.93	14.33	130	"	"
1155	15		8.57	0.9	7.38	0.298	4.4	2.55	13.99	111	"	"
1200	20		8.57	1.2	7.55	0.297	1.4	1.92	13.84	97	"	"
1205	25		8.57	1.5	7.76	0.296	1.7	1.99	13.96	86	"	"
1210	30		8.57	1.8	7.85	0.296	1.6	2.02	13.90	85	"	"
1215	35		8.57	2.1	7.87	0.295	1.5	1.99	13.90	85	"	"

Constituents Sampled	Container	Number	Preservative
PFAS 537 Modified	250 mL Plastic	2	—
1,4-DIOXANE 827015	1 L Amber	2	—
VOCs 82606	40 mL VOA VIAL	3	HCL

Well Information	
Well Location: <u>MyDEC Fish Hatchery</u>	Well Locked at Arrival: <u>yes</u>
Condition of Well: <u>GOOD</u>	Well Locked at Departure: <u>yes</u>
Well Completion: <u>Flush Mount / Stick Up</u>	Key Number To Well: <u>0344</u>

NOTES: minor bends in well riser.

Well Casing Volumes					
Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Groundwater Sampling Log

Page 1 of 1

Project No. 30055.645 Well ID TW-45
 Project Name/Location Gladding Cordage
 Measuring Pt. Description Top of SS Screen Setting (ft-bmp) 7.35 Casing Diameter (in.) 2"
 Total Depth (ft-bmp) 20.03 Static Water Level (ft-bmp) 7.35 Water Column in Well (ft.) 12.68
 MP Elevation 18.03 Pump Intake (ft-bmp) 18.03 Volumes Purged 2.02
 Sample Method GRAB Pump On/Off 0829/0928 Sample Time Label 0915
 Replicate/Code No. 0907 End 0928
 Sampled By J. Mullins

Date 10/14/2020
 Weather Raining & 50°F
 Well Material: PVC SS ☒
 Gallons in Well 2.02
 Gallons Purged 2.25
 Purge Method Peristaltic
 Centrifugal
 Submersible
 Disp. Bailer

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft) TOC	Gallons Purged	pH	Cond. (µmhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C) (°F)	Redox (mV)	Appearance	
											Color	Odor
0833	0		7.35	0.0	6.54	0.502	4.6	10.00	12.85	168	Clear	None
0838	5		7.35	0.5	6.81	0.474	3.1	3.68	13.54	156	"	"
0843	10		7.35	1.0	6.95	0.470	1.9	2.05	13.60	140	"	"
0848	15		7.35	1.25	6.98	0.474	1.1	2.25	13.32	132	"	"
0853	20		7.35	1.50	6.99	0.474	0.8	2.05	13.32	125	"	"
0858	25		7.35	1.75	7.00	0.474	0.8	2.00	13.38	122	"	"
0903	30		7.35	2.00	7.00	0.474	0.0	1.95	13.40	119	"	"
0905	35		7.35	2.25	7.01	0.475	0.0	1.90	13.39	118	"	"

Constituents Sampled	Container	Number	Preservative
PFAS 537 Modified	250 mL Plastic	2	
1,4-DIOXANE 8270D	1 L Amber	2	
VOCs 8260C	40 mL VOA VIAL	3	HCL

Well Information

Well Location: <u>East of church across highway; in grassy area</u>	Well Locked at Arrival: <u>NO</u>
Condition of Well: <u>Good; missing 3 of 3 bolts</u>	Well Locked at Departure: <u>NO</u>
Well Completion: <u>Flush Mount / Stick Up</u>	Key Number To Well: <u>N/A</u>

NOTES:

Well Casing Volumes

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Groundwater Sampling Log

Project No. 30055645 Well ID TW-14I
 Project Name/Location Gladding Cordage
 Measuring Pt. Description Top of SS Screen Setting (ft-bmp) _____ Casing Diameter (in.) 2"
 Total Depth (ft-bmp) 75.21 Static Water Level (ft-bmp) 7.85 Water Column in Well (ft.) 67.36
 MP Elevation _____ Pump Intake (ft-bmp) 73.21 Volumes Purged _____
 Sample Method GRAB Pump On/Off 1500/1602 Sample Time Label Start 1540 End 1538
 Replicate/Code No. _____ Sampled By J. Mullins

Page 1 of 1
 Date 10/13/2020
 Weather Raining 254F
 Well Material: PVC ☒ SS ☒
 Gallons in Well 10.77
 Gallons Purged 2.80
 Purge Method _____
 Centrifugal _____
 Submersible _____
 Disp. Bailer _____
 Other Peristaltic

Time	Minutes Elapsed	Rate (gpm) (mL/min)	Depth to Water (ft) TOC	Gallons Purged	pH	Cond. (µmhos) (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C) (°F)	Redox (mV)	Appearance	
											Color	Odor
1502	0		7.85	0.0	7.68	0.442	0.0	3.33	14.40	137	Clear	None
1507	5		7.85	0.4	7.60	0.448	0.0	1.72	13.86	137	"	"
1512	10		7.85	0.8	7.58	0.449	0.0	1.38	13.67	133	"	"
1517	15		7.85	1.2	7.57	0.450	0.0	1.20	13.56	125	"	"
1522	20		7.85	1.6	7.57	0.451	0.0	1.15	13.56	119	"	"
1527	25		7.85	2.0	7.56	0.455	0.0	1.08	13.50	112	"	"
1532	30		7.85	2.4	7.56	0.455	0.0	1.07	13.49	110	"	"
1537	35		7.85	2.8	7.56	0.454	0.0	1.05	13.48	110	"	"

Constituents Sampled	Container	Number	Preservative
PFAS 537 Modified	750 mL Plastic	2	—
1,4-Dioxane 82700	1L Amber	2	—
VOCs 82600	40 mL VOA vial	3	HCL

Well Information

Well Location: <u>left of church across road; in grassy area</u>	Well Locked at Arrival: <u>NO</u>
Condition of Well: <u>BOOB; MISSING 1 OF 3 BOLTS</u>	Well Locked at Departure: <u>NO</u>
Well Completion: <u>Flush Mount</u> / <u>Stick Up</u>	Key Number To Well: <u>N/A</u>

NOTES:

Well Casing Volumes

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

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Page 1 of 1

Well ID

Date _____

Weather

Casing Diameter (in.) 2'

Well Material: PVC
SS

Water Column
in Well (ft.) 82.24

Gallons in Well 13.15

MP Elevation

Pump Intake (ft-bmp) 87.93

Volumes Purged

Gallons Purged	1.50

Sample Method GRAB

Pump On/Off 0937/1030

Sample Time	Label	1015
	Start	1011
	End	1035

Purge Method

Centrifugal

Submersible

Disp. Bailer

Other peristaltic

[illegible]

Well Location:	left of church, across roadway; in grassy area	Well Locked at Arrival:	NO
Condition of Well:	Good; missing 1 of 3 bolts	Well Locked at Departure:	NO
Well Completion:	☒ Flush Mount ☐ Stick Up	Key Number To Well:	N/A

NOTES:

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

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Page 1 of 1

Date 10/13/2020

Weather 50° (cloudy)

Well Material: PVC ✓
SS

Gallons in Well 10.2 gal

Gallons Purged 1.5 gal

Purge Method _____
Centrifugal _____
Submersible _____
Disp. Bailer _____
Other Peri Pump

Disp. Bailer _____
Other Perc Pump

Constituents Sampled	Container	Number	Preservative
PEAS	250 mL plastic	4	NA
14 Dioxane	1 Liter Amber	4	NA
VOC	NDA	6	HCl

Well Location:	Next to treatment building	Well Locked at Arrival:	No
Condition of Well:	Good	Well Locked at Departure:	No
Well Completion:	Flush Mount / Stick Up	Key Number To Well:	

Gallons/Foot	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

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A decorative graphic consisting of three thin orange lines. One line is horizontal, extending across the width of the page. Two other lines are diagonal, intersecting the horizontal line and each other, creating a geometric pattern in the bottom right corner.