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NEW YORK STATE OF OPPORTUNITY. Department of Environmental Conservation

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

GLADDING CORDAGE SITE QUARTERLY REPORT

SITE 7-09-009

Fourth Quarter 2021

April 2022

GLADDING CORDAGE SITE QUARTERLY REPORT

Fourth Quarter 2021

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ACRONYMS AND ABBREVIATIONS

Arcadis	Arcadis of New York, Inc.
GES	Groundwater and Environmental Services, Inc.
GPM	gallons per minute
HZ	hertz
µg/L	micrograms per liter
NYSDEC	New York State Department of Environmental Conservation
O&M	operation and maintenance
OM&M	Operation, Maintenance, and Monitoring
PLC	programmable logic controller
ROD	Record of Decision
RW	Recovery Well
SMP	Site Management Plan
USEPA	United States Environmental Protection Agency
VFD	variable frequency drive
VOCs	volatile organic compounds
1,1-DCA	1,1-dichloroethane
1,1-DCE	1,1-dichloroethene
1,1,1-TCA	1,1,1-trichloroethane

1 INTRODUCTION

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

2 SITE DESCRIPTION

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

3 OPERATION AND MAINTENANCE

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

3.1 Treatment Process Overview

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

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

3.2 Treatment Plant Operation

The groundwater treatment system has operated continuously from April 2007 until present, except for minor shutdowns for routine maintenance, power outages, and/or system upgrades. Appendix A presents the completed O&M Checklist and Operation Logs from the fourth quarter 2021, and Appendix B includes the NYSDEC Daily Inspection Reports completed for each site visit. The Gladding Cordage groundwater treatment system was temporarily offline in November and December 2021 due to power outages or shut down maintenance, and was reset in person. This resulted in system runtimes of 90 percent (%) in October, 43% in November, and 26% in December 2021. In addition, the recovery well RW-1 pump was removed, replaced, and reinstalled in December 2021 due to decreased flows measured at the flowmeter. A section of below grade RW-1 piping was also replaced as an existing connection was corroded and leaking into the manhole.

The average monthly flow rates and total flow volumes for the fourth quarter 2021 operating period are summarized in Table 3-1. As shown in Table 3-1, the reported average flow rate from recovery well RW-1 was 12.9 gallons per minute (GPM). The average flow from RW-2 was 20.8 GPM. Based on the total flow values, approximately 3.1 million gallons of water were treated and discharged to the Otselic River between October and December 2021.

3.3 Treatment System Sampling

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

3.3.1 Influent Sample Results

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

As presented on Table 3-2, the concentrations of 1,1,1-TCA reported in samples collected from recovery well RW-1 were 28 micrograms per liter (µg/L) in October 2021, and 36 µg/L in November 2021. A sample was not collected from RW-1 in December 2021 due to pump and piping repairs. The compounds 1,1-dichloroethane (1,1-DCA) and 1,1-dichloroethene (1,1-DCE) were also detected, but concentrations were less than their respective NYSDEC Class GA standard of 5 µg/L.

The concentrations of 1,1,1-TCA in the samples from recovery well RW-2 were 25 µg/L in October 2021, 40 µg/L in November 2021, and 86.6 µg/L in December 2021. As shown on Table 3-3, 1,1-dichloroethane (1,1-DCA), and 1,1-dichloroethene (1,1-DCE) were also detected in the fourth quarter 2021 samples from RW-2. Consistent with previous results, the concentrations of these compounds were less than their respective NYSDEC Class GA standard of 5 µg/L.

Figure 3-1 shows that the concentrations of 1,1,1-TCA in the samples from recovery well RW-1 in the fourth quarter 2021 are within the range of historic concentrations from this well. The 1,1,1-TCA concentration in the sample from recovery well RW-2 is outside the range of historical concentrations and may be associated with the treatment system runtime of 26% in December 2021.

3.3.2 Effluent Sample Results

Table 3-4 summarizes laboratory analytical data for effluent samples collected from the treatment system. The concentration of chloromethane in the December 2021 effluent sample was 1.3 µg/L estimated, which is below the NYSDEC Class GA standard for this analyte. No other VOCs were detected in the effluent during the fourth quarter 2021 sampling events.

Based on influent sample concentrations and total flow volumes from the Gladding Cordage treatment system, approximately 1.1 pound of VOCs were removed by the treatment system during the fourth quarter 2021.

4 GROUNDWATER MONITORING PROGRAM

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

5 RECOMMENDATIONS

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

6 SUMMARY

The Gladding Cordage groundwater treatment system was intermittently shut down in the fourth quarter 2021 for routine maintenance and due to intermittent power outages. The average total flow through the treatment system during the fourth quarter 2021 was approximately 14.0 GPM. The treatment successfully removes VOCs from groundwater extracted from the capture zone at the current VFD setting of 46 Hz. The VFD setting will continue to be evaluated based on system monitoring results. Approximately 1.1 pounds of VOCs were removed by the treatment system during the fourth quarter 2021.

The concentrations of VOCs detected in the RW-1 and RW-2 are within the range of historical values.

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

7 REFERENCES

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

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

TABLES

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

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

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

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

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

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

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

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

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

Date	System Operation (days)	System On-time (% of possible days)	Well On-time RW-1 (% possible)	Well On-time RW-2 (% possible)	Flow Rates RW-1 (gpm)	Flow Rates RW-2 (gpm)	Totalizer RW-1 (gallons)	Totalizer RW-2 (gallons)	Recovery Well Total Flows RW-1 (gallons)	Recovery Well Total Flows RW-2 (gallons)	Total System Flow (gallons)	Quarterly Totals (gallons)
January-21	31	100%	100%	100%	16.7	22.5	2,479,526	2,518,399	931,111	918,519	1,849,630	4,950,535
February-21	27	93%	100%	100%	16.0	22.7	3,251,954	3,325,019	772,428	806,620	1,579,048	
March-21	27	87%	100%	100%	15.6	21.2	3,906,161	4,192,669	654,207	867,650	1,521,857	
April-21	19	61%	100%	100%	15.3	21.7	4,292,528	4,764,853	386,367	572,184	958,551	2,420,100
May-21	13	42%	100%	100%	15.2	21.5	4,421,700	5,235,886	129,172	471,033	600,205	
June-21	17	57%	100%	100%	15.5	20.6	4,783,523	5,735,407	361,823	499,521	861,344	
July-21	31	100%	100%	100%	12.3	20.7	5,328,563	6,659,621	545,040	924,214	1,469,254	3,938,868
August-21	30	97%	100%	100%	10.4	20.2	5,811,422	7,590,557	482,859	930,936	1,413,795	
September-21	22	73%	100%	100%	7.8	14.6	6,174,384	8,283,414	362,962	692,857	1,055,819	
October-21	28	90%	100%	100%	11.2	20.8	6,684,101	9,236,723	509,717	953,309	1,463,026	3,081,132
November-21	13	43%	100%	100%	10.5	20.2	6,864,539	9,584,665	180,438	347,942	528,380	
December-21	8	26%	100%	100%	17.0	21.4	7,212,119	10,326,811	347,580	742,146	1,089,726	
Total Flow 2021					**13.6**	**20.7**			**5,663,704**	**8,726,931**	**14,390,635**	

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

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

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

Definitions:

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

B - Compound was found in the blank and sample

F1 - MS and/or MSD recovery exceeds control limits

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

NS - Not sampled.

NYSDEC - New York State Department of Environmental Conservation

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

µg/L - microgram per liter

Notes:

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

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

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

Definitions:

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

B - Compound was found in the blank and sample
F1 - MS and/or MSD recovery exceeds control limits
J - Compound was detected below the reporting limit or concentration is estimated for TICS.
NS - Not sampled.
NYSDEC - New York State Department of Environmental Conservation
U - The compound was not detected at the indicated concentration.
µg/L - microgram per liter

Notes:

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

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

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

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

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

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

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

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

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

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

Sample ID Sampling Date	NYSDEC Class GA Standard	RW-1 1/12/2021	RW-1 2/9/2021	RW-1 3/9/2021	RW-1 4/15/2021	RW-1 5/11/2021	RW-1 6/23/2021	RW-1 7/13/2021	RW-1 8/10/2021	RW-1 9/15/2021	RW-1 10/19/2021	RW-1 11/23/2021	RW-1 12/15/2021
Volatile Organic Compounds (µg/L)													
1,1,1-Trichloroethane	5.0	**39**	**35**	**39**	**42**	**39**	**38**	**35**	**38**	**27**	**28**	**36**	NS
1,1,2,2-Tetrachloroethane	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.5 U	NS
1,1,2-Trichloroethane	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS
1,1-Dichloroethane	5.0*	1.3	1.2	1.3	1.6	0.93	1.2	1.2	1.3	1.1	1.0	1.2	NS
1,1-Dichloroethene	5.0	0.82 J	0.79 J	1.0 J	1.1 J	1.0 J	1.0	1.0 J	1.1	0.67 J	0.6 J	1.0 U	NS
1,2-Dichlorobenzene	3.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS
1,2-Dichloroethane	0.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS
1,2-Dichloropropane	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS
1,3-Dichlorobenzene	3.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS
1,4-Dichlorobenzene	3.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS
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	NS
Bromodichloromethane	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.5 U	NS
Bromoform	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS
Bromomethane	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	NS
Carbon Tetrachloride	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	NS
Chlorobenzene	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS
Chloroethane	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	NS
Chloroform	7.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	NS
Chloromethane	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	NS
cis-1,3-Dichloropropene	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.5 U	NS
Ethyl Benzene	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS
m/p-Xylenes	5.0	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	NS
Methyl tert-butyl Ether	10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS
Methylene Chloride	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	NS
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	NS
Tetrachloroethene	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS
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	NS
trans-1,2-Dichloroethene	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS
trans-1,3-Dichloropropene	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.5 U	NS
Trichloroethene	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	NS
Trichlorofluoromethane	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	NS
Vinyl Chloride	2.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	NS
Total VOCs		41.12	36.99	41.3	44.7	40.93	40.2	37.2	40.4	28.77	29.6	37.2	NS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Sample ID Sampling Date	NYSDEC Class GA Standard	RW-2 1/13/2020	RW-2 2/6/2020	RW-2 3/12/2020	RW-2 4/15/2020	RW-2 5/5/2020	RW-2 6/15/2020	RW-2 7/7/2020	RW-2 8/4/2020	RW-2 9/16/2020	RW-2 10/6/2020	RW-2 11/10/2020	RW-2 12/8/2020
Volatile Organic Compounds (µg/L)													
1,1,1-Trichloroethane	5.0	**28.4**	**29.9**	**26**	**24**	**29**	**43**	**28**	**29**	**32**	**32**	**29**	**30**
1,1,2,2-Tetrachloroethane	5.0	2.0 U	2.0 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1.0	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	5.0*	0.65 J	0.7 J	1.0 U	0.62 J	0.61 J	0.82 J	0.62 J	0.69 J	0.62 J	0.75 J	0.64 J	0.61 J
1,1-Dichloroethene	5.0	0.57 J	0.64 J	1.0 U	0.6 J	0.78 J	1.0	0.95 J	0.76 J	0.65 J	1.3	0.67 J	0.53 J
1,2-Dichlorobenzene	3.0	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	1.0	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	3.0	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	3.0	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	50	2.0 U	2.0 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	50	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	5.0	2.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride	5.0	2.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	5.0	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	5.0	2.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	7.0	2.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	5.0	2.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	0.4	2.0 U	2.0 U	0.50 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethyl Benzene	5.0	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m/p-Xylenes	5.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methyl tert-butyl Ether	10	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene Chloride	5.0	5.0 U	5.0 U	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.52 J B	1.0 U	1.0 U
o-Xylene	5.0*	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5.0	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5.0	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	0.4	2.0 U	2.0 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5.0	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	5.0	2.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Chloride	2.0	2.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total VOCs		29.62	31.24	26	25.22	30.39	44.82	29.57	30.45	33.27	34.05	30.31	31.14

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

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

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

Sample ID Sampling Date	NYSDEC Class GA Standard	RW-2 1/12/2021	RW-2 2/9/2021	RW-2 3/9/2021	RW-2 4/15/2021	RW-2 5/11/2021	RW-2 6/23/2021	RW-2 7/13/2021	RW-2 8/10/2021	RW-2 9/15/2021	RW-2 10/19/2021	RW-2 11/23/2021	RW-2 12/15/2021
Volatile Organic Compounds (µg/L)													
1,1,1-Trichloroethane	5.0	**28**	**28**	**30**	**32**	**33**	**32**	**26**	**31**	**27**	**25**	**40**	**86.6**
1,1,2,2-Tetrachloroethane	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.5 U	1.0 U
1,1,2-Trichloroethane	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	5.0*	0.56 J	0.67 J	0.65 U	0.68 J	0.81 J	0.66 J	0.63 J	0.6 J	0.73 J	0.53 J	1.0 U	2.1
1,1-Dichloroethene	5.0	0.58 J	0.52 J	0.77 U	0.9 J	1.1 J	0.83 J	0.82 J	0.89 J	0.74 J	0.58 J	1.0 U	2.5
1,2-Dichlorobenzene	3.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	3.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	3.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	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	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.5 U	1.0 U
Bromoform	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U
Carbon Tetrachloride	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U
Chlorobenzene	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
Chloroform	7.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
Chloromethane	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
cis-1,3-Dichloropropene	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.5 U	1.0 U
Ethyl Benzene	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m/p-Xylenes	5.0	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	3.0 U
Methyl tert-butyl Ether	10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene Chloride	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	2.0 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	3.0 U
Tetrachloroethene	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	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	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.5 U	1.0 U
Trichloroethene	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
Vinyl Chloride	2.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
Total VOCs		29.14	29.19	31.42	33.59	34.91	33.49	27.45	32.49	28.47	26.1	40.0	91.2

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Sample ID Sampling Date	NYSDEC Class GA Standard	EFF(46HZ) 1/12/2021	EFF(46HZ) 2/9/2021	EFF(46HZ) 3/9/2021	EFF(46HZ) 4/15/2021	EFF(46HZ) 5/11/2021	EFF(46HZ) 6/23/2021	EFF(46HZ) 7/13/2021	EFF(46HZ) 8/10/2021	EFF(46HZ) 9/15/2021	EFF(46HZ) 10/19/2021	EFF(46HZ) 11/23/2021	EFF(46HZ) 12/15/2021
Volatile Organic Compounds (µg/L)													
1,1,1-Trichloroethane	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.94 J	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	5.0*	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	3.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	3.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	3.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	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	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.5 U	1.0 U
Bromoform	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U
Carbon Tetrachloride	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U
Chlorobenzene	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
Chloroform	7.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
Chloromethane	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.3
cis-1,3-Dichloropropene	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.5 U	1.0 U
Dibromochloromethane	50	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.5 U	1.0 U
Ethyl Benzene	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m/p-Xylenes	5.0	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	3.0 U
Methyl tert-butyl Ether	10	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene Chloride	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 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	3.0 U
Tetrachloroethene	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	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	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	0.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.5 U	1.0 U
Trichloroethene	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	5.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
Vinyl Chloride	2.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	1.0 U
Total VOCs		ND	ND	ND	ND	ND	ND	ND	0.94 J	ND	ND	ND	1.3

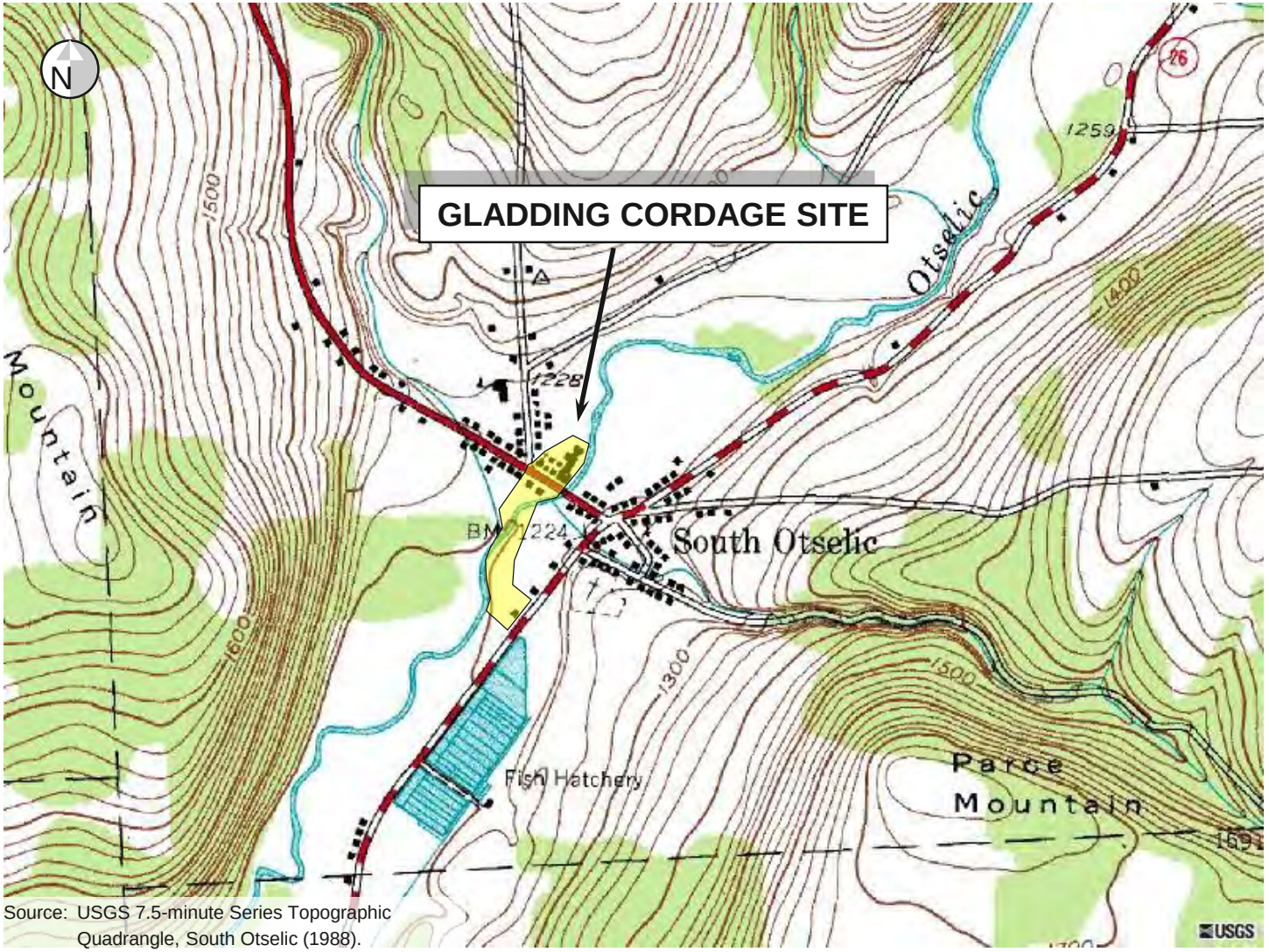
Definitions:
* - NYSDEC Principal Organic Contaminant Standard of 5 µg/L applies to this compound.
B - Compound was found in the blank and sample
J - Compound was detected below the reporting limit or concentration is estimated for TICS.
NA - Not analyzed
ND - Non-detect
NYSDEC - New York State Department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

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

FIGURES

Figure 2-1
Site Location

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



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

0 2,000 ft

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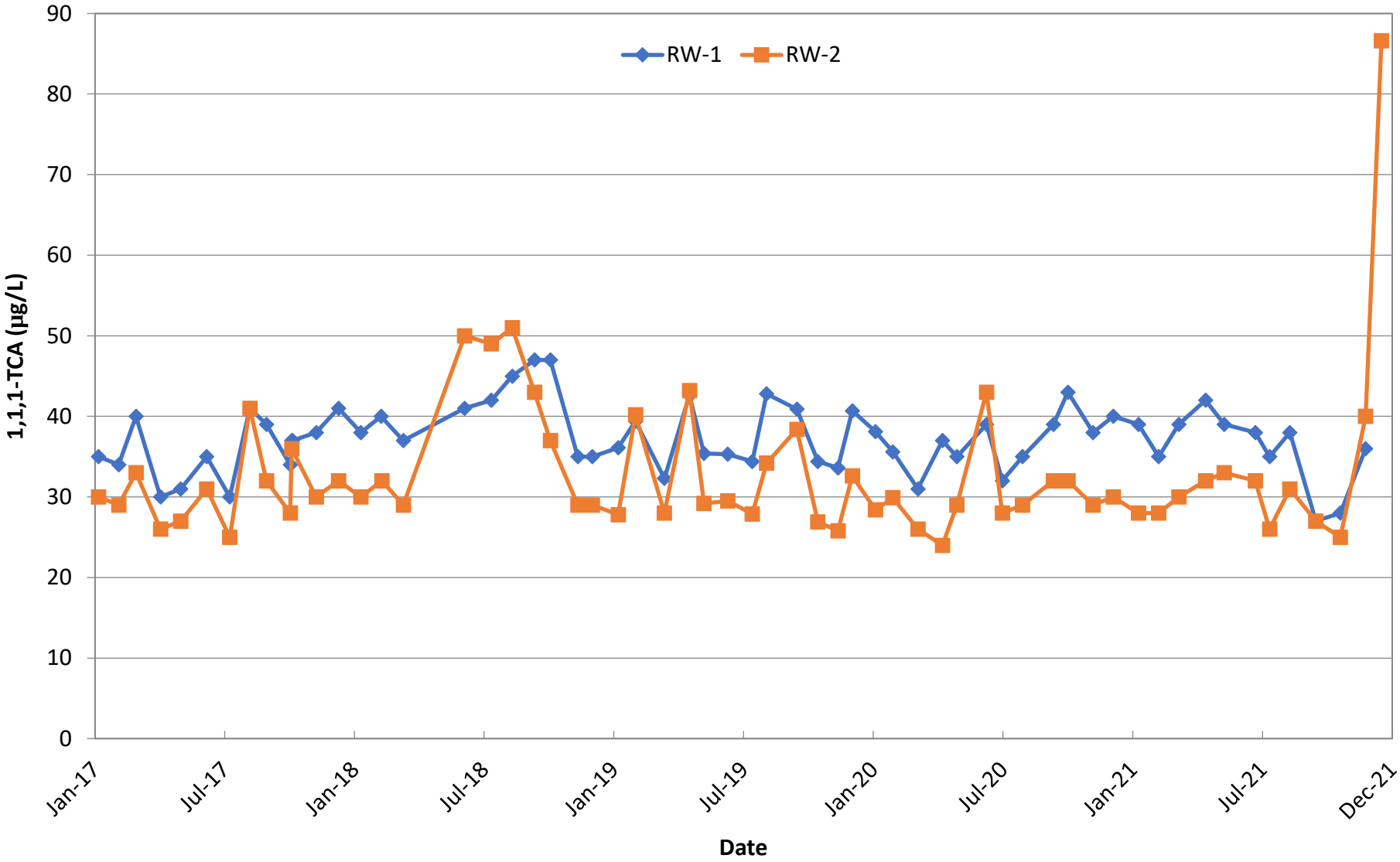

Definitions:
µg/L – microgram per liter
NYSDEC – New York State Department of Environmental Conservation
1,1,1-TCA – 1,1,1-Trichloroethane

GLADDING CORDAGE
SOUTH OTSELIC, NY
NYSDEC SITE 7-09-009

TREATMENT SYSTEM INFLUENT
SAMPLE CONCENTRATIONS (1,1,1-TCA)

ARCADIS

FIGURE
3-1

APPENDIX A

O&M Checklists

Gladding Cordage
South Otselic, New York
NYSDEC Site #709009

Date 10/19/2021
Inspector Jason Guthowski
Time 0940

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

Recovery Wells	RW-1	RW-2
Flow Rate (GPM	11.5	21.7
Total Flow (Gallons)	4,540,094	6,827,846
Water Level (Feet Above Probe)	25.36	56.34
Probe Depth (Feet BTOC)	40	65

Air Stripper			
Blower VFD Setting (Hertz)	46.0	Intake/Exhaust Piping OK? (Y/N)	yes
System Pressure (inches water)	10.2	Water Leaks (Y/N)	NO
Influent/Effluent Piping OK? (Y/N)	Yes	Water Temperature (°F)	52

Heat Exchanger			
Heat (On/Off)	Low	Building Temperature (°F)	63.4
Heat Exchanger Flow (GPM)	0	Heat Exchanger Pressure (PSI)	2.3

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

Notes:

Sampled: RW-1 - 0929
RW-1-MS - —
RW-1-MSD - —

RW-2 - 0923
EFF 46 HZ - 0918

Site walk and well inspection: 1000
System inspection: 0940

Gladding Cordage
South Otselic, New York
NYSDEC Site #709009

Date 11/23/21
Inspector Jason Gutkowski
Time 1500

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

Recovery Wells	RW-1	RW-2
Flow Rate (GPM	9.1	21.6
Total Flow (Gallons)		
Water Level (Feet Above Probe)	24.57	55.41
Probe Depth (Feet BTOC)	6/8	65

Air Stripper			
Blower VFD Setting (Hertz)	46.0	Intake/Exhaust Piping OK? (Y/N)	yes
System Pressure (inches water)	10.0	Water Leaks (Y/N)	NO
Influent/Effluent Piping OK? (Y/N)	yes	Water Temperature (°F)	48

Heat Exchanger			
Heat (On/Off)	Low	Building Temperature (°F)	52.7
Heat Exchanger Flow (GPM)	2.4	Heat Exchanger Pressure (PSI)	16.5

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

Notes:

Sampled: RW-1 - 1108
RW-1-MS - —
RW-1-MSD - —

RW-2 - 1103
EFF 46 HZ - 1000

Site walk and well inspection: 1420
System inspection: 1500

Gladding Cordage
South Otselic, New York
NYSDEC Site #709009

Date 12/15/21
Inspector Jason Gotkowski
Time 1400

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

Recovery Wells	RW-1	RW-2
Flow Rate (GPM	Down	21.9
Total Flow (Gallons)		
Water Level (Feet Above Probe)	25.35	55.15
Probe Depth (Feet BTOC)	40	65

Air Stripper			
Blower VFD Setting (Hertz)	46.0	Intake/Exhaust Piping OK? (Y/N)	yes
System Pressure (inches water)	10.1	Water Leaks (Y/N)	NO
Influent/Effluent Piping OK? (Y/N)	yes	Water Temperature (°F)	49

Heat Exchanger			
Heat (On/Off)	Low	Building Temperature (°F)	51.4
Heat Exchanger Flow (GPM)	2.4	Heat Exchanger Pressure (PSI)	16.5

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

Notes:

Sampled: RW-1 - off/Down
RW-1-MS - —
RW-1-MSD - —

RW-2 - 1354
EFF 46 HZ - 1350

Site walk and well inspection: 1300
System inspection: 1400
System Down On Arrival
RW-1 Left Down

APPENDIX B

NYSDEC Daily Inspection Reports

Report No. 14 **Gladding Cordage - NYSDEC Site No. 709009** Date: 10/19/2021

NYSDEC
Division of Environmental Remediation

NYSDEC Contract No. D009804-11

Superintendent:

NYSDEC PM: Payson Long

Consultant PM: Andy Vitolins, P.G.

Consultant Site Inspectors: Jason Gutkowski

Site Location: South Otselic, New York

Weather Conditions

General Description	Partly Cloudy	AM	Cloudy	PM
Temperature	44°F	AM	49°F	PM
Wind	NNW 2 MPH	AM	NNW 5 MPH	PM

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

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

Health & Safety Comments

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

Summary of Work Performed	Arrived at site:	0805	Departed Site:	1040

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

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

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

Personnel and Equipment

Individual	Company	Trade	Total Hours
Jason Gutkowski	Arcadis	Field Tech	3.0

Equipment Description	Contractor/Vendor	Quantity	Used

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

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

Equipment/Material Tracking Comments:

None at this time.

Visitors to Site

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

Site Representatives	
Name	**Representing**

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

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

Yellow outlined area indicates the location of work performed on October 19, 2021.

Site Photographs (Descriptions Below)

View of Main Control Panel door.

Interior view of treament system building.

View of Effluent discharge to Otselic River.

Exterior view of treatment system building.

Comments

None at this time.

Site Inspector(s): Jason Gutkowski

Date: 10/19/2021

DAILY HEALTH CHECKLIST

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

REMEDIAL ACTIVITIES AT PROPERTIES

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

NUISANCE CHECKLIST

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

Report No. 15 **Gladding Cordage - NYSDEC Site No. 709009** Date: 11/4/2021

NYSDEC
Division of Environmental Remediation

NYSDEC Contract No. D009804-11

Superintendent:

NYSDEC PM: Payson Long

Consultant PM: Andy Vitolins, P.G.

Consultant Site Inspectors: Michael Bernal

Site Location: South Otselic, New York

Weather Conditions

General Description	Partly Cloudy	AM	Partly Cloudy	PM
Temperature	41°F	AM	38°F	PM
Wind	SW 5 MPH	AM	S 10 MPH	PM

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

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

Health & Safety Comments

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

Summary of Work Performed	Arrived at site:	1400	Departed Site:	1500

Reset EOS ProControl programmable logic controller (PLC) to bring Treatment System back online.

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

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

Personnel and Equipment

Individual	Company	Trade	Total Hours
Michael Bernal	Arcadis	Environmental Engineer	1.0

Equipment Description	Contractor/Vendor	Quantity	Used

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

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

Equipment/Material Tracking Comments:

None at this time.

Visitors to Site

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

Site Representatives	
Name	**Representing**

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

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

Yellow outlined area indicates the location of work performed on November 4, 2021.

Site Photographs (Descriptions Below)

View of EOS ProControl system.

View of Main Control Panel door.

View of EOS ProControl modem.

Exterior view of treatment system building.

Comments

None at this time.

Site Inspector(s): Michael Bernal **Date: 11/4/2021**

DAILY HEALTH CHECKLIST

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

REMEDIAL ACTIVITIES AT PROPERTIES

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

NUISANCE CHECKLIST

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

Report No.16 **Gladding Cordage - NYSDEC Site No. 709009** Date: 11/23/2021

NYSDEC
Division of Environmental Remediation

NYSDEC Contract No. D009804-11

Superintendent:

NYSDEC PM: Payson Long

Consultant PM: Andy Vitolins, P.G.

Consultant Site Inspectors: Jason Gutkowski

Site Location: South Otselic, New York

Weather Conditions

General Description	Sun/Clouds	AM	Cloudy	PM
Temperature	31°F	AM	28°F	PM
Wind	NNW 11 MPH	AM	NNW 5 MPH	PM

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

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

Health & Safety Comments

Safety Vests and Cones utilized while accessing recovery well manhole.

Summary of Work Performed	Arrived at site:	1000	Departed Site:	1600

- Performed routine system inspection and monthly system influent/effluent sampling.
- Accessed and diagnosed RW-1 pump to resolve alarms.

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

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

Personnel and Equipment

Individual	Company	Trade	Total Hours
Jason Gutkowski	Arcadis	Field Tech	6.0
Jeremy Wyckoff	Arcadis	Geologist	6.0

Equipment Description	Contractor/Vendor	Quantity	Used

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

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

Equipment/Material Tracking Comments:

None at this time.

Visitors to Site

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

Site Representatives	
Name	**Representing**

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

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

Yellow outlined areas indicate the location of work performed on November 23, 2021.

Site Photographs (Descriptions Below)	
	
Front exterior view of treatment system building.	View of Effluent discharge to Otselic River.

Comments	
None at this time.	
Site Inspector(s): Jason Gutkowski, Jeremy Wyckoff	**Date: 11/23/2021**

DAILY HEALTH CHECKLIST

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

REMEDIAL ACTIVITIES AT PROPERTIES

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

NUISANCE CHECKLIST

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

DAILY INSPECTION REPORT

Report No. 17 **Gladding Cordage - NYSDEC Site No. 709009** Date: 12/15/2021

NYSDEC
Division of Environmental Remediation

NYSDEC Contract No. D009804-11

Superintendent:

NYSDEC PM: Payson Long

Consultant PM: Andy Vitolins, P.G.

Consultant Site Inspectors: Jason Gutkowski, Jeremy Wyckoff

Site Location: South Otselic, New York

Weather Conditions

General Description	Cloudy	AM	Rain	PM
Temperature	31°F	AM	39°F	PM
Wind	NNW 2 MPH	AM	NNW 5 MPH	PM

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

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

Health & Safety Comments

Safety Vests and traffic cones utilized while accessing recovery well manhole.

Summary of Work Performed	Arrived at site:	0745	Departed Site:	1420

- Removed recovery well RW-1 pump and replaced pump and motor. RW-1 brought back online after replacement activities were completed.
- Performed routine system inspection and monthly system influent/effluent sampling.

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

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

Personnel and Equipment

Individual	Company	Trade	Total Hours
Jason Gutkowski	Arcadis	Field Tech	6.0
Jeremy Wyckoff	Arcadis	Geologist	6.5
Doug Richmond	Arcadis	Field Tech	6.5

Equipment Description	Contractor/Vendor	Quantity	Used
Truck Rig with Mast	Arcadis	1	Yes

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

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

Equipment/Material Tracking Comments:

None at this time.

Visitors to Site

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

Site Representatives	
Name	**Representing**

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

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

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

Site Photographs (Descriptions Below)

View of recovery well RW-1 pump removed from manhole.

View of recovery well RW-1 pump riser damaged threads.

Pumping operations within recovery well piping manhole.

View of corroded/deteriorated piping sections.

Comments

None at this time.

Site Inspector(s): Jason Gutkowski, Jeremy Wyckoff **Date: 12/15/2021**

DAILY HEALTH CHECKLIST

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

REMEDIAL ACTIVITIES AT PROPERTIES

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

NUISANCE CHECKLIST

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

Report No. 18 **Gladding Cordage - NYSDEC Site No. 709009** Date: 12/22/2021

NYSDEC
Division of Environmental Remediation

NYSDEC Contract No. D009804-11

Superintendent:

NYSDEC PM: Payson Long

Consultant PM: Andy Vitolins, P.G.

Consultant Site Inspectors: J. Gutkowski, J. Wyckoff

Site Location: South Otselic, New York

Weather Conditions

General Description	Cloudy	AM	Snowing	PM
Temperature	30°F	AM	32°F	PM
Wind	Calm	AM	Calm	PM

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

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

Health & Safety Comments

- Safety Vests And traffic cones utilized while working within treatment system piping manhole.
- Confined Space entry procedures followed while working within manhole.

Summary of Work Performed	Arrived at site:	0730	Departed Site:	1330

- Repaired recovery well RW-1 piping in treatment system manhole and replaced 2" stainless steel flex coupling due to leak.
- Recovery well RW-1 flow increased from 8 gallons per minute (gpm) to 18 gpm.

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

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

Personnel and Equipment

Individual	Company	Trade	Total Hours
Jason Gutkowski	Arcadis	Field Tech	6.0
Jeremy Wyckoff	Arcadis	Geologist	6.0
Doug Richmond	Arcadis	Field Tech	6.0

Equipment Description	Contractor/Vendor	Quantity	Used

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

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

Equipment/Material Tracking Comments:

None at this time.

Visitors to Site

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

Site Representatives	
Name	**Representing**

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

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

Yellow outlined areas indicate the locations of work performed on December 22, 2021.

Site Photographs (Descriptions Below)

Pre-entry confined space readings – all acceptable.

View of confined space entry equipment setup.

Old and new braided stainless steel flex coupler.

View of hole within old flex coupler.

Comments

None at this time.

Site Inspector(s): Jason Gutkowski, Jeremy Wyckoff **Date: 12/22/2021**

DAILY HEALTH CHECKLIST

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

REMEDIAL ACTIVITIES AT PROPERTIES

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

NUISANCE CHECKLIST

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

APPENDIX C

Analytical Reports

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 480-191100-1
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:
10/27/2021 4:32:14 PM
Katelyn Proulx, Project Manager I
Katelyn.Proulx@Eurofinset.com

Designee for

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

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

Katelyn Proulx
Project Manager I
10/27/2021 4:32:14 PM

Table of Contents

Definitions/Glossary

Client: New York State D.E.C.
Job ID: 480-191100-1
Project/Site: Gladding Corporation #709009

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Job ID: 480-191100-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-191100-1

Comments
No additional comments.

Receipt
The samples were received on 10/20/2021 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.3º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-601800 recovered outside acceptance criteria, low biased, for 2-Butanone (MEK) and 4-Methyl-2-pentanone (MIBK). A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for these analytes, the data have been reported. The associated samples are impacted: RW-1 101921 (480-191100-1), RW-2 101921 (480-191100-2), EFF-46 HZ 101921 (480-191100-3) and Trip Blank (480-191100-4).

Method 8260C: The laboratory control sample (LCS) for analytical batch 480-601800 recovered outside control limits for the following analyte: Methyl acetate. Methyl acetate has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. The associated samples are impacted: RW-1 101921 (480-191100-1), RW-2 101921 (480-191100-2), EFF-46 HZ 101921 (480-191100-3) and Trip Blank (480-191100-4). The associated samples are impacted: RW-1 101921 (480-191100-1), RW-2 101921 (480-191100-2), EFF-46 HZ 101921 (480-191100-3) and Trip Blank (480-191100-4).

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

Detection Summary

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

Job ID: 480-191100-1

Client Sample ID: RW-1 101921 — Lab Sample ID: 480-191100-1

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	1.0		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	0.60	J	1.0	0.29	ug/L	1		8260C	Total/NA

Client Sample ID: RW-2 101921 — Lab Sample ID: 480-191100-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	25		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	0.53	J	1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	0.58	J	1.0	0.29	ug/L	1		8260C	Total/NA

Client Sample ID: EFF-46 HZ 101921 — Lab Sample ID: 480-191100-3

No Detections.

Client Sample ID: Trip Blank — Lab Sample ID: 480-191100-4

No Detections.

This Detection Summary does not include radiochemical test results.

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

Job ID: 480-191100-1

Client Sample ID: RW-1 101921
Date Collected: 10/19/21 09:29
Date Received: 10/20/21 08:00

Lab Sample ID: 480-191100-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**28**		1.0	0.82	ug/L			10/25/21 12:25	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/25/21 12:25	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/25/21 12:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/25/21 12:25	1
1,1-Dichloroethane	**1.0**		1.0	0.38	ug/L			10/25/21 12:25	1
1,1-Dichloroethene	**0.60**	**J**	1.0	0.29	ug/L			10/25/21 12:25	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/25/21 12:25	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/25/21 12:25	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/25/21 12:25	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/25/21 12:25	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/25/21 12:25	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/25/21 12:25	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/25/21 12:25	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/25/21 12:25	1
2-Hexanone	ND		5.0	1.2	ug/L			10/25/21 12:25	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/25/21 12:25	1
Acetone	ND		10	3.0	ug/L			10/25/21 12:25	1
Benzene	ND		1.0	0.41	ug/L			10/25/21 12:25	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/25/21 12:25	1
Bromoform	ND		1.0	0.26	ug/L			10/25/21 12:25	1
Bromomethane	ND		1.0	0.69	ug/L			10/25/21 12:25	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/25/21 12:25	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/25/21 12:25	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/25/21 12:25	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/25/21 12:25	1
Chloroethane	ND		1.0	0.32	ug/L			10/25/21 12:25	1
Chloroform	ND		1.0	0.34	ug/L			10/25/21 12:25	1
Chloromethane	ND		1.0	0.35	ug/L			10/25/21 12:25	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/25/21 12:25	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/25/21 12:25	1
Cyclohexane	ND		1.0	0.18	ug/L			10/25/21 12:25	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/25/21 12:25	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/25/21 12:25	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/25/21 12:25	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/25/21 12:25	1
Methyl acetate	ND	*-	2.5	1.3	ug/L			10/25/21 12:25	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/25/21 12:25	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/25/21 12:25	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/25/21 12:25	1
Styrene	ND		1.0	0.73	ug/L			10/25/21 12:25	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/25/21 12:25	1
Toluene	ND		1.0	0.51	ug/L			10/25/21 12:25	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/25/21 12:25	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/25/21 12:25	1
Trichloroethene	ND		1.0	0.46	ug/L			10/25/21 12:25	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/25/21 12:25	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/25/21 12:25	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/25/21 12:25	1

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

Job ID: 480-191100-1

Client Sample ID: RW-1 101921
Date Collected: 10/19/21 09:29
Date Received: 10/20/21 08:00

Lab Sample ID: 480-191100-1
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		80 - 120		10/25/21 12:25	1
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		10/25/21 12:25	1
4-Bromofluorobenzene (Surr)	100		73 - 120		10/25/21 12:25	1
Dibromofluoromethane (Surr)	109		75 - 123		10/25/21 12:25	1

Client: New York State D.E.C.
Job ID: 480-191100-1
Project/Site: Gladding Corporation #709009

Client Sample ID: RW-2 101921
Lab Sample ID: 480-191100-2
Date Collected: 10/19/21 09:23
Matrix: Water
Date Received: 10/20/21 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**25**		1.0	0.82	ug/L			10/25/21 12:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/25/21 12:47	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/25/21 12:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/25/21 12:47	1
1,1-Dichloroethane	**0.53**	**J**	1.0	0.38	ug/L			10/25/21 12:47	1
1,1-Dichloroethene	**0.58**	**J**	1.0	0.29	ug/L			10/25/21 12:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/25/21 12:47	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/25/21 12:47	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/25/21 12:47	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/25/21 12:47	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/25/21 12:47	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/25/21 12:47	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/25/21 12:47	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/25/21 12:47	1
2-Hexanone	ND		5.0	1.2	ug/L			10/25/21 12:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/25/21 12:47	1
Acetone	ND		10	3.0	ug/L			10/25/21 12:47	1
Benzene	ND		1.0	0.41	ug/L			10/25/21 12:47	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/25/21 12:47	1
Bromoform	ND		1.0	0.26	ug/L			10/25/21 12:47	1
Bromomethane	ND		1.0	0.69	ug/L			10/25/21 12:47	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/25/21 12:47	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/25/21 12:47	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/25/21 12:47	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/25/21 12:47	1
Chloroethane	ND		1.0	0.32	ug/L			10/25/21 12:47	1
Chloroform	ND		1.0	0.34	ug/L			10/25/21 12:47	1
Chloromethane	ND		1.0	0.35	ug/L			10/25/21 12:47	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/25/21 12:47	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/25/21 12:47	1
Cyclohexane	ND		1.0	0.18	ug/L			10/25/21 12:47	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/25/21 12:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/25/21 12:47	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/25/21 12:47	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/25/21 12:47	1
Methyl acetate	ND	*-	2.5	1.3	ug/L			10/25/21 12:47	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/25/21 12:47	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/25/21 12:47	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/25/21 12:47	1
Styrene	ND		1.0	0.73	ug/L			10/25/21 12:47	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/25/21 12:47	1
Toluene	ND		1.0	0.51	ug/L			10/25/21 12:47	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/25/21 12:47	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/25/21 12:47	1
Trichloroethene	ND		1.0	0.46	ug/L			10/25/21 12:47	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/25/21 12:47	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/25/21 12:47	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/25/21 12:47	1

Client Sample Results

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

Job ID: 480-191100-1

Client Sample ID: RW-2 101921
Date Collected: 10/19/21 09:23
Date Received: 10/20/21 08:00

Lab Sample ID: 480-191100-2
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		80 - 120		10/25/21 12:47	1
1,2-Dichloroethane-d4 (Surr)	105		77 - 120		10/25/21 12:47	1
4-Bromofluorobenzene (Surr)	100		73 - 120		10/25/21 12:47	1
Dibromofluoromethane (Surr)	109		75 - 123		10/25/21 12:47	1

Client: New York State D.E.C.
Job ID: 480-191100-1
Project/Site: Gladding Corporation #709009

Client Sample ID: EFF-46 HZ 101921
Lab Sample ID: 480-191100-3
Date Collected: 10/19/21 09:18
Matrix: Water
Date Received: 10/20/21 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/25/21 13:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/25/21 13:10	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/25/21 13:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/25/21 13:10	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/25/21 13:10	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/25/21 13:10	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/25/21 13:10	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/25/21 13:10	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/25/21 13:10	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/25/21 13:10	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/25/21 13:10	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/25/21 13:10	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/25/21 13:10	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/25/21 13:10	1
2-Hexanone	ND		5.0	1.2	ug/L			10/25/21 13:10	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/25/21 13:10	1
Acetone	ND		10	3.0	ug/L			10/25/21 13:10	1
Benzene	ND		1.0	0.41	ug/L			10/25/21 13:10	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/25/21 13:10	1
Bromoform	ND		1.0	0.26	ug/L			10/25/21 13:10	1
Bromomethane	ND		1.0	0.69	ug/L			10/25/21 13:10	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/25/21 13:10	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/25/21 13:10	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/25/21 13:10	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/25/21 13:10	1
Chloroethane	ND		1.0	0.32	ug/L			10/25/21 13:10	1
Chloroform	ND		1.0	0.34	ug/L			10/25/21 13:10	1
Chloromethane	ND		1.0	0.35	ug/L			10/25/21 13:10	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/25/21 13:10	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/25/21 13:10	1
Cyclohexane	ND		1.0	0.18	ug/L			10/25/21 13:10	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/25/21 13:10	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/25/21 13:10	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/25/21 13:10	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/25/21 13:10	1
Methyl acetate	ND	*-	2.5	1.3	ug/L			10/25/21 13:10	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/25/21 13:10	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/25/21 13:10	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/25/21 13:10	1
Styrene	ND		1.0	0.73	ug/L			10/25/21 13:10	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/25/21 13:10	1
Toluene	ND		1.0	0.51	ug/L			10/25/21 13:10	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/25/21 13:10	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/25/21 13:10	1
Trichloroethene	ND		1.0	0.46	ug/L			10/25/21 13:10	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/25/21 13:10	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/25/21 13:10	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/25/21 13:10	1

Client: New York State D.E.C.
Job ID: 480-191100-1
Project/Site: Gladding Corporation #709009

Client Sample ID: EFF-46 HZ 101921
Lab Sample ID: 480-191100-3
Date Collected: 10/19/21 09:18
Matrix: Water
Date Received: 10/20/21 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		80 - 120		10/25/21 13:10	1
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		10/25/21 13:10	1
4-Bromofluorobenzene (Surr)	103		73 - 120		10/25/21 13:10	1
Dibromofluoromethane (Surr)	108		75 - 123		10/25/21 13:10	1

Client: New York State D.E.C.
Job ID: 480-191100-1
Project/Site: Gladding Corporation #709009

Client Sample ID: Trip Blank
Lab Sample ID: 480-191100-4
Date Collected: 10/19/21 00:00
Matrix: Water
Date Received: 10/20/21 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			10/25/21 13:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/25/21 13:33	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/25/21 13:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/25/21 13:33	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/25/21 13:33	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/25/21 13:33	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/25/21 13:33	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/25/21 13:33	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/25/21 13:33	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/25/21 13:33	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/25/21 13:33	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/25/21 13:33	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/25/21 13:33	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/25/21 13:33	1
2-Hexanone	ND		5.0	1.2	ug/L			10/25/21 13:33	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/25/21 13:33	1
Acetone	ND		10	3.0	ug/L			10/25/21 13:33	1
Benzene	ND		1.0	0.41	ug/L			10/25/21 13:33	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/25/21 13:33	1
Bromoform	ND		1.0	0.26	ug/L			10/25/21 13:33	1
Bromomethane	ND		1.0	0.69	ug/L			10/25/21 13:33	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/25/21 13:33	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/25/21 13:33	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/25/21 13:33	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/25/21 13:33	1
Chloroethane	ND		1.0	0.32	ug/L			10/25/21 13:33	1
Chloroform	ND		1.0	0.34	ug/L			10/25/21 13:33	1
Chloromethane	ND		1.0	0.35	ug/L			10/25/21 13:33	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/25/21 13:33	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/25/21 13:33	1
Cyclohexane	ND		1.0	0.18	ug/L			10/25/21 13:33	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/25/21 13:33	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/25/21 13:33	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/25/21 13:33	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/25/21 13:33	1
Methyl acetate	ND	*-	2.5	1.3	ug/L			10/25/21 13:33	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/25/21 13:33	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/25/21 13:33	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/25/21 13:33	1
Styrene	ND		1.0	0.73	ug/L			10/25/21 13:33	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/25/21 13:33	1
Toluene	ND		1.0	0.51	ug/L			10/25/21 13:33	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/25/21 13:33	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/25/21 13:33	1
Trichloroethene	ND		1.0	0.46	ug/L			10/25/21 13:33	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/25/21 13:33	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/25/21 13:33	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/25/21 13:33	1

Client: New York State D.E.C.
Job ID: 480-191100-1
Project/Site: Gladding Corporation #709009

Client Sample ID: Trip Blank
Lab Sample ID: 480-191100-4
Date Collected: 10/19/21 00:00
Matrix: Water
Date Received: 10/20/21 08:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		80 - 120		10/25/21 13:33	1
1,2-Dichloroethane-d4 (Surr)	105		77 - 120		10/25/21 13:33	1
4-Bromofluorobenzene (Surr)	99		73 - 120		10/25/21 13:33	1
Dibromofluoromethane (Surr)	109		75 - 123		10/25/21 13:33	1

Surrogate Summary

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

Job ID: 480-191100-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(80-120)	(77-120)	(73-120)	(75-123)
480-191100-1	RW-1 101921	103	103	100	109
480-191100-2	RW-2 101921	103	105	100	109
480-191100-3	EFF-46 HZ 101921	103	104	103	108
480-191100-4	Trip Blank	103	105	99	109
LCS 480-601800/5	Lab Control Sample	106	97	109	103
MB 480-601800/7	Method Blank	102	101	101	105

Surrogate Legend

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

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

Lab Sample ID: MB 480-601800/7
Matrix: Water
Analysis Batch: 601800

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			10/25/21 11:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			10/25/21 11:48	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			10/25/21 11:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			10/25/21 11:48	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			10/25/21 11:48	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			10/25/21 11:48	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			10/25/21 11:48	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			10/25/21 11:48	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			10/25/21 11:48	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			10/25/21 11:48	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			10/25/21 11:48	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			10/25/21 11:48	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			10/25/21 11:48	1
2-Butanone (MEK)	ND		10	1.3	ug/L			10/25/21 11:48	1
2-Hexanone	ND		5.0	1.2	ug/L			10/25/21 11:48	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			10/25/21 11:48	1
Acetone	ND		10	3.0	ug/L			10/25/21 11:48	1
Benzene	ND		1.0	0.41	ug/L			10/25/21 11:48	1
Bromodichloromethane	ND		1.0	0.39	ug/L			10/25/21 11:48	1
Bromoform	ND		1.0	0.26	ug/L			10/25/21 11:48	1
Bromomethane	ND		1.0	0.69	ug/L			10/25/21 11:48	1
Carbon disulfide	ND		1.0	0.19	ug/L			10/25/21 11:48	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			10/25/21 11:48	1
Chlorobenzene	ND		1.0	0.75	ug/L			10/25/21 11:48	1
Dibromochloromethane	ND		1.0	0.32	ug/L			10/25/21 11:48	1
Chloroethane	ND		1.0	0.32	ug/L			10/25/21 11:48	1
Chloroform	ND		1.0	0.34	ug/L			10/25/21 11:48	1
Chloromethane	ND		1.0	0.35	ug/L			10/25/21 11:48	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			10/25/21 11:48	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			10/25/21 11:48	1
Cyclohexane	ND		1.0	0.18	ug/L			10/25/21 11:48	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			10/25/21 11:48	1
Ethylbenzene	ND		1.0	0.74	ug/L			10/25/21 11:48	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			10/25/21 11:48	1
Isopropylbenzene	ND		1.0	0.79	ug/L			10/25/21 11:48	1
Methyl acetate	ND		2.5	1.3	ug/L			10/25/21 11:48	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			10/25/21 11:48	1
Methylcyclohexane	ND		1.0	0.16	ug/L			10/25/21 11:48	1
Methylene Chloride	ND		1.0	0.44	ug/L			10/25/21 11:48	1
Styrene	ND		1.0	0.73	ug/L			10/25/21 11:48	1
Tetrachloroethene	ND		1.0	0.36	ug/L			10/25/21 11:48	1
Toluene	ND		1.0	0.51	ug/L			10/25/21 11:48	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			10/25/21 11:48	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			10/25/21 11:48	1
Trichloroethene	ND		1.0	0.46	ug/L			10/25/21 11:48	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			10/25/21 11:48	1
Vinyl chloride	ND		1.0	0.90	ug/L			10/25/21 11:48	1
Xylenes, Total	ND		2.0	0.66	ug/L			10/25/21 11:48	1

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

Lab Sample ID: MB 480-601800/7
Matrix: Water
Analysis Batch: 601800

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*		*10/25/21 11:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*10/25/21 11:48*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*10/25/21 11:48*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*10/25/21 11:48*	*1*

Lab Sample ID: LCS 480-601800/5
Matrix: Water
Analysis Batch: 601800

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	19.7		ug/L		79	73 - 126
1,1,2,2-Tetrachloroethane	25.0	19.2		ug/L		77	76 - 120
1,1,2-Trichloroethane	25.0	20.6		ug/L		82	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	18.9		ug/L		75	61 - 148
1,1-Dichloroethane	25.0	20.4		ug/L		82	77 - 120
1,1-Dichloroethene	25.0	19.5		ug/L		78	66 - 127
1,2,4-Trichlorobenzene	25.0	22.5		ug/L		90	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	16.3		ug/L		65	56 - 134
1,2-Dichlorobenzene	25.0	21.6		ug/L		86	80 - 124
1,2-Dichloroethane	25.0	20.1		ug/L		81	75 - 120
1,2-Dichloropropane	25.0	22.1		ug/L		88	76 - 120
1,3-Dichlorobenzene	25.0	22.0		ug/L		88	77 - 120
1,4-Dichlorobenzene	25.0	21.0		ug/L		84	80 - 120
2-Butanone (MEK)	125	86.4		ug/L		69	57 - 140
2-Hexanone	125	89.4		ug/L		72	65 - 127
4-Methyl-2-pentanone (MIBK)	125	89.7		ug/L		72	71 - 125
Acetone	125	81.5		ug/L		65	56 - 142
Benzene	25.0	20.8		ug/L		83	71 - 124
Bromodichloromethane	25.0	21.2		ug/L		85	80 - 122
Bromoform	25.0	21.4		ug/L		85	61 - 132
Bromomethane	25.0	17.8		ug/L		71	55 - 144
Carbon disulfide	25.0	20.4		ug/L		82	59 - 134
Carbon tetrachloride	25.0	19.5		ug/L		78	72 - 134
Chlorobenzene	25.0	21.0		ug/L		84	80 - 120
Dibromochloromethane	25.0	21.1		ug/L		84	75 - 125
Chloroethane	25.0	18.9		ug/L		75	69 - 136
Chloroform	25.0	19.8		ug/L		79	73 - 127
Chloromethane	25.0	20.6		ug/L		83	68 - 124
cis-1,2-Dichloroethene	25.0	20.9		ug/L		84	74 - 124
cis-1,3-Dichloropropene	25.0	25.1		ug/L		100	74 - 124
Cyclohexane	25.0	21.2		ug/L		85	59 - 135
Dichlorodifluoromethane	25.0	20.9		ug/L		84	59 - 135
Ethylbenzene	25.0	21.8		ug/L		87	77 - 123
1,2-Dibromoethane	25.0	21.2		ug/L		85	77 - 120
Isopropylbenzene	25.0	20.7		ug/L		83	77 - 122
Methyl acetate	50.0	35.2	*-	ug/L		70	74 - 133
Methyl tert-butyl ether	25.0	22.3		ug/L		89	77 - 120
Methylcyclohexane	25.0	21.4		ug/L		85	68 - 134

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

Lab Sample ID: LCS 480-601800/5
Matrix: Water
Analysis Batch: 601800

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	25.0	21.7		ug/L		87	75 - 124
Styrene	25.0	22.2		ug/L		89	80 - 120
Tetrachloroethene	25.0	19.9		ug/L		80	74 - 122
Toluene	25.0	21.4		ug/L		86	80 - 122
trans-1,2-Dichloroethene	25.0	20.1		ug/L		80	73 - 127
trans-1,3-Dichloropropene	25.0	23.5		ug/L		94	80 - 120
Trichloroethene	25.0	20.7		ug/L		83	74 - 123
Trichlorofluoromethane	25.0	17.6		ug/L		71	62 - 150
Vinyl chloride	25.0	19.9		ug/L		80	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*106*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*
Dibromofluoromethane (Surr)	*103*		*75 - 123*

QC Association Summary

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

Job ID: 480-191100-1

GC/MS VOA

Analysis Batch: 601800

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-191100-1	RW-1 101921	Total/NA	Water	8260C	
480-191100-2	RW-2 101921	Total/NA	Water	8260C	
480-191100-3	EFF-46 HZ 101921	Total/NA	Water	8260C	
480-191100-4	Trip Blank	Total/NA	Water	8260C	
MB 480-601800/7	Method Blank	Total/NA	Water	8260C	
LCS 480-601800/5	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

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

Job ID: 480-191100-1

Client Sample ID: RW-1 101921
Lab Sample ID: 480-191100-1
Date Collected: 10/19/21 09:29
Matrix: Water
Date Received: 10/20/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	601800	10/25/21 12:25	CRL	TAL BUF

Client Sample ID: RW-2 101921
Lab Sample ID: 480-191100-2
Date Collected: 10/19/21 09:23
Matrix: Water
Date Received: 10/20/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	601800	10/25/21 12:47	CRL	TAL BUF

Client Sample ID: EFF-46 HZ 101921
Lab Sample ID: 480-191100-3
Date Collected: 10/19/21 09:18
Matrix: Water
Date Received: 10/20/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	601800	10/25/21 13:10	CRL	TAL BUF

Client Sample ID: Trip Blank
Lab Sample ID: 480-191100-4
Date Collected: 10/19/21 00:00
Matrix: Water
Date Received: 10/20/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	601800	10/25/21 13:33	CRL	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

Client: New York State D.E.C.
Job ID: 480-191100-1
Project/Site: Gladding Corporation #709009

Laboratory: Eurofins TestAmerica, Buffalo

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

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

Method Summary

Client: New York State D.E.C.
Job ID: 480-191100-1
Project/Site: Gladding Corporation #709009

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

Protocol References:

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

Laboratory References:

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

Sample Summary

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

Job ID: 480-191100-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-191100-1	RW-1 101921	Water	10/19/21 09:29	10/20/21 08:00
480-191100-2	RW-2 101921	Water	10/19/21 09:23	10/20/21 08:00
480-191100-3	EFF-46 HZ 101921	Water	10/19/21 09:18	10/20/21 08:00
480-191100-4	Trip Blank	Water	10/19/21 00:00	10/20/21 08:00

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information			
Client Contact: Jasmine Mullins	Sampler: Jason Gutkowski	Lab PM: Hartmann, Steve	Carrier Tracking No(s): Syracuse
Company: ARCADIS U.S. Inc	Phone: 315 436 3605	E-Mail: Steve.Hartmann@Eurofinset.com	State of Origin: #225
Address: 855 Route 146 Suite 210	PWSID:		COC No: 480-158700-34888.1
City: Clifton Park	Due Date Requested:		Page: Page 1 of 1
State, Zip: NY, 12065	TAT Requested (days): Standard Turn		Job #:
Phone: 518-402-9625(Tel)	Compliance Project: Δ Yes Δ No		
Email: jasmine.mullins@arcadis.com	PO #: Callout 139083		
Project Name: Gladding Corporation #709009	WO #:		
Site: South Otselic	Project #: 48022018		
	SSOW#:		

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL list OLM04.2	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
RW-1 101921	10/19/21	0929	G	Water			X		
RW-2 101921	↓	0923	↓	Water			X		
EFF-46 HZ 101921	↓	0918	↓	Water			X		
Trip Blank	–	–	↓	Water			X		

AP 10/19/21

Preservation Codes:

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

Other:

480-191100 Chain of Custody

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	10/19/21 / 1307	Arcadis	[signature]	10/19/21 1307	ES-SYR
[signature]	10/19/21, 1900	[signature]			
			[signature]	10/20/21 0800	TA

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 2.3 #1

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: New York State D.E.C. Job Number: 480-191100-1

Login Number: 191100 **List Source: Eurofins TestAmerica, Buffalo**
List Number: 1
Creator: Sabuda, Brendan D

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.3 #1 ICE
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

January 4, 2022

David Gardner
NYDEC_Arcadis US, Inc. - Clifton Park-NY
855 Route 146, Suite 210
Clifton Park, NY 12065

Project Location: NY
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 21K1700

Enclosed are results of analyses for samples as received by the laboratory on November 26, 2021. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Aaron L. Benoit
Project Manager

Table of Contents

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

NYDEC_Arcadis US, Inc. - Clifton Park-NY
855 Route 146, Suite 210
Clifton Park, NY 12065
ATTN: David Gardner

REPORT DATE: 1/4/2022

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 21K1700

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
RW-1 112321	21K1700-01	Water		SW-846 8260D	
RW-2 112321	21K1700-02	Water		SW-846 8260D	
EFF-46 HZ 112321	21K1700-03	Water		SW-846 8260D	
Trip Blank	21K1700-04	Water		SW-846 8260D	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8260D

Qualifications:

L-02

Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.

Analyte & Samples(s) Qualified:

Bromomethane
B295750-BS1, B295750-BSD1, S065880-CCV1

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

Chloromethane
21K1700-01[RW-1 112321], 21K1700-02[RW-2 112321], 21K1700-03[EFF-46 HZ 112321], 21K1700-04[Trip Blank], B295750-BLK1, B295750-BS1, B295750-BSD1, S065880-CCV1

Methyl Acetate
21K1700-01[RW-1 112321], 21K1700-02[RW-2 112321], 21K1700-03[EFF-46 HZ 112321], 21K1700-04[Trip Blank], B295750-BLK1, B295750-BS1, B295750-BSD1, S065880-CCV1

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

1,1,2-Trichloro-1,2,2-trifluoroethan
B295750-BS1, B295750-BSD1, S065880-CCV1

Bromochloromethane
B295750-BS1, B295750-BSD1, S065880-CCV1

Bromomethane
B295750-BS1, B295750-BSD1, S065880-CCV1

Tetrachloroethylene
B295750-BS1, B295750-BSD1, S065880-CCV1

V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

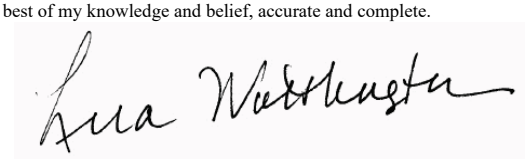
Analyte & Samples(s) Qualified:

Bromomethane
21K1700-01[RW-1 112321], 21K1700-02[RW-2 112321], 21K1700-03[EFF-46 HZ 112321], 21K1700-04[Trip Blank], B295750-BLK1, B295750-BS1, B295750-BSD1, S065880-CCV1

Chloromethane
21K1700-01[RW-1 112321], 21K1700-02[RW-2 112321], 21K1700-03[EFF-46 HZ 112321], 21K1700-04[Trip Blank], B295750-BLK1, B295750-BS1, B295750-BSD1, S065880-CCV1

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Technical Representative

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: NY | Sample Description: | Work Order: 21K1700

Date Received: 11/26/2021

Field Sample #: RW-1 112321 | Sampled: 11/23/2021 11:08

Sample ID: 21K1700-01

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
Bromomethane	ND	5.0	µg/L	1	V-34	SW-846 8260D	11/30/21	11/30/21 11:48	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
Chloromethane	ND	2.0	µg/L	1	V-05, V-34	SW-846 8260D	11/30/21	11/30/21 11:48	LBD
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
1,1-Dichloroethane	1.2	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: NY | Sample Description: | Work Order: 21K1700

Date Received: 11/26/2021

Field Sample #: RW-1 112321 | Sampled: 11/23/2021 11:08

Sample ID: 21K1700-01

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
Methyl Acetate	ND	1.0	µg/L	1	V-05	SW-846 8260D	11/30/21	11/30/21 11:48	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
1,1,1-Trichloroethane	36	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:48	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	87.6	70-130		11/30/21 11:48
Toluene-d8	97.1	70-130		11/30/21 11:48
4-Bromofluorobenzene	96.6	70-130		11/30/21 11:48

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Project Location: NY | Sample Description: | Work Order: 21K1700

Date Received: 11/26/2021

Field Sample #: RW-2 112321 | Sampled: 11/23/2021 11:03

Sample ID: 21K1700-02

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
Bromomethane	ND	5.0	µg/L	1	V-34	SW-846 8260D	11/30/21	11/30/21 12:14	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
Chloromethane	ND	2.0	µg/L	1	V-05, V-34	SW-846 8260D	11/30/21	11/30/21 12:14	LBD
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD

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Project Location: NY | Sample Description: | Work Order: 21K1700

Date Received: 11/26/2021

Field Sample #: RW-2 112321 | Sampled: 11/23/2021 11:03

Sample ID: 21K1700-02

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
Methyl Acetate	ND	1.0	µg/L	1	V-05	SW-846 8260D	11/30/21	11/30/21 12:14	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
1,1,1-Trichloroethane	40	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:14	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	86.8	70-130		11/30/21 12:14
Toluene-d8	97.4	70-130		11/30/21 12:14
4-Bromofluorobenzene	97.2	70-130		11/30/21 12:14

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Project Location: NY | Sample Description: | Work Order: 21K1700

Date Received: 11/26/2021

Field Sample #: EFF-46 HZ 112321 | Sampled: 11/23/2021 11:00

Sample ID: 21K1700-03

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
Bromomethane	ND	5.0	µg/L	1	V-34	SW-846 8260D	11/30/21	11/30/21 12:40	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
Chloromethane	ND	2.0	µg/L	1	V-05, V-34	SW-846 8260D	11/30/21	11/30/21 12:40	LBD
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD

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Project Location: NY | Sample Description: | Work Order: 21K1700

Date Received: 11/26/2021

Field Sample #: EFF-46 HZ 112321 | Sampled: 11/23/2021 11:00

Sample ID: 21K1700-03

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
Methyl Acetate	ND	1.0	µg/L	1	V-05	SW-846 8260D	11/30/21	11/30/21 12:40	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 12:40	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	87.9	70-130		11/30/21 12:40
Toluene-d8	95.6	70-130		11/30/21 12:40
4-Bromofluorobenzene	96.0	70-130		11/30/21 12:40

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: NY | Sample Description: | Work Order: 21K1700

Date Received: 11/26/2021

Field Sample #: Trip Blank | Sampled: 11/23/2021 00:00

Sample ID: 21K1700-04

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
Benzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
Bromoform	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
Bromomethane	ND	5.0	µg/L	1	V-34	SW-846 8260D	11/30/21	11/30/21 11:22	LBD
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
Carbon Disulfide	ND	5.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
Chlorodibromomethane	ND	0.50	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
Chloroethane	ND	2.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
Chloroform	ND	2.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
Chloromethane	ND	2.0	µg/L	1	V-05, V-34	SW-846 8260D	11/30/21	11/30/21 11:22	LBD
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD

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Project Location: NY | Sample Description: | Work Order: 21K1700

Date Received: 11/26/2021

Field Sample #: Trip Blank | Sampled: 11/23/2021 00:00

Sample ID: 21K1700-04

Sample Matrix: Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
Methyl Acetate	ND	1.0	µg/L	1	V-05	SW-846 8260D	11/30/21	11/30/21 11:22	LBD
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
Naphthalene	ND	2.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
Styrene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
Toluene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD
o-Xylene	ND	1.0	µg/L	1		SW-846 8260D	11/30/21	11/30/21 11:22	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	86.5	70-130		11/30/21 11:22
Toluene-d8	96.2	70-130		11/30/21 11:22
4-Bromofluorobenzene	95.9	70-130		11/30/21 11:22

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Sample Extraction Data

Prep Method: SW-846 5030B **Analytical Method: SW-846 8260D**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
21K1700-01 [RW-1 112321]	B295750	5	5.00	11/30/21
21K1700-02 [RW-2 112321]	B295750	5	5.00	11/30/21
21K1700-03 [EFF-46 HZ 112321]	B295750	5	5.00	11/30/21
21K1700-04 [Trip Blank]	B295750	5	5.00	11/30/21

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B295750 - SW-846 5030B										
Blank (B295750-BLK1)				Prepared & Analyzed: 11/30/21						
Acetone	ND	50	µg/L							
Acrylonitrile	ND	5.0	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L							
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							V-34
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	5.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	0.50	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							V-05, V-34
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							
1,1-Dichloropropene	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							V-05

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B295750 - SW-846 5030B												
Blank (B295750-BLK1)				Prepared & Analyzed: 11/30/21								
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L									
Methyl Cyclohexane	ND	1.0	µg/L									
Methylene Chloride	ND	5.0	µg/L									
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L									
Naphthalene	ND	2.0	µg/L									
n-Propylbenzene	ND	1.0	µg/L									
Styrene	ND	1.0	µg/L									
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L									
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L									
Tetrachloroethylene	ND	1.0	µg/L									
Tetrahydrofuran	ND	10	µg/L									
Toluene	ND	1.0	µg/L									
1,2,3-Trichlorobenzene	ND	5.0	µg/L									
1,2,4-Trichlorobenzene	ND	1.0	µg/L									
1,3,5-Trichlorobenzene	ND	1.0	µg/L									
1,1,1-Trichloroethane	ND	1.0	µg/L									
1,1,2-Trichloroethane	ND	1.0	µg/L									
Trichloroethylene	ND	1.0	µg/L									
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L									
1,2,3-Trichloropropane	ND	2.0	µg/L									
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L									
1,2,4-Trimethylbenzene	ND	1.0	µg/L									
1,3,5-Trimethylbenzene	ND	1.0	µg/L									
Vinyl Chloride	ND	2.0	µg/L									
m+p Xylene	ND	2.0	µg/L									
o-Xylene	ND	1.0	µg/L									
Surrogate: 1,2-Dichloroethane-d4	*22.1*		µg/L	25.0		88.5		70-130				
Surrogate: Toluene-d8	*24.3*		µg/L	25.0		97.1		70-130				
Surrogate: 4-Bromofluorobenzene	*24.0*		µg/L	25.0		96.2		70-130				
LCS (B295750-BS1)				Prepared & Analyzed: 11/30/21								
Acetone	89.1	50	µg/L	100		89.1		70-160				†
Acrylonitrile	10.0	5.0	µg/L	10.0		100		70-130				
tert-Amyl Methyl Ether (TAME)	10.7	0.50	µg/L	10.0		107		70-130				
Benzene	10.2	1.0	µg/L	10.0		102		70-130				
Bromobenzene	10.6	1.0	µg/L	10.0		106		70-130				
Bromochloromethane	12.6	1.0	µg/L	10.0		126		70-130			V-20	
Bromodichloromethane	10.5	0.50	µg/L	10.0		105		70-130				
Bromoform	10.2	1.0	µg/L	10.0		102		70-130				
Bromomethane	18.6	2.0	µg/L	10.0		**186**	*	40-160			L-02, V-20, V-34	†
2-Butanone (MEK)	85.4	20	µg/L	100		85.4		40-160				†
tert-Butyl Alcohol (TBA)	90.4	20	µg/L	100		90.4		40-160				†
n-Butylbenzene	9.85	1.0	µg/L	10.0		98.5		70-130				
sec-Butylbenzene	10.2	1.0	µg/L	10.0		102		70-130				
tert-Butylbenzene	10.9	1.0	µg/L	10.0		109		70-130				
tert-Butyl Ethyl Ether (TBEE)	9.97	0.50	µg/L	10.0		99.7		70-130				
Carbon Disulfide	92.3	5.0	µg/L	100		92.3		70-130				
Carbon Tetrachloride	10.9	5.0	µg/L	10.0		109		70-130				
Chlorobenzene	11.3	1.0	µg/L	10.0		113		70-130				
Chlorodibromomethane	11.3	0.50	µg/L	10.0		113		70-130				
Chloroethane	10.5	2.0	µg/L	10.0		105		70-130				
Chloroform	10.4	2.0	µg/L	10.0		104		70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B295750 - SW-846 5030B											
LCS (B295750-BS1)				Prepared & Analyzed: 11/30/21							
Chloromethane	4.21	2.0	µg/L	10.0		42.1	40-160			V-05, V-34	†
2-Chlorotoluene	10.8	1.0	µg/L	10.0		108	70-130				
4-Chlorotoluene	11.0	1.0	µg/L	10.0		110	70-130				
1,2-Dibromo-3-chloropropane (DBCP)	9.36	5.0	µg/L	10.0		93.6	70-130				
1,2-Dibromoethane (EDB)	10.9	0.50	µg/L	10.0		109	70-130				
Dibromomethane	11.2	1.0	µg/L	10.0		112	70-130				
1,2-Dichlorobenzene	10.6	1.0	µg/L	10.0		106	70-130				
1,3-Dichlorobenzene	10.8	1.0	µg/L	10.0		108	70-130				
1,4-Dichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130				
trans-1,4-Dichloro-2-butene	10.5	2.0	µg/L	10.0		105	70-130				
Dichlorodifluoromethane (Freon 12)	9.93	2.0	µg/L	10.0		99.3	40-160				†
1,1-Dichloroethane	10.2	1.0	µg/L	10.0		102	70-130				
1,2-Dichloroethane	10.7	1.0	µg/L	10.0		107	70-130				
1,1-Dichloroethylene	10.7	1.0	µg/L	10.0		107	70-130				
cis-1,2-Dichloroethylene	10.2	1.0	µg/L	10.0		102	70-130				
trans-1,2-Dichloroethylene	10.8	1.0	µg/L	10.0		108	70-130				
1,2-Dichloropropane	10.8	1.0	µg/L	10.0		108	70-130				
1,3-Dichloropropane	10.6	0.50	µg/L	10.0		106	70-130				
2,2-Dichloropropane	10.0	1.0	µg/L	10.0		100	40-130				†
1,1-Dichloropropene	10.7	2.0	µg/L	10.0		107	70-130				
cis-1,3-Dichloropropene	10.5	0.50	µg/L	10.0		105	70-130				
trans-1,3-Dichloropropene	10.3	0.50	µg/L	10.0		103	70-130				
Diethyl Ether	9.65	2.0	µg/L	10.0		96.5	70-130				
Diisopropyl Ether (DIPE)	9.38	0.50	µg/L	10.0		93.8	70-130				
1,4-Dioxane	107	50	µg/L	100		107	40-130				†
Ethylbenzene	10.9	1.0	µg/L	10.0		109	70-130				
Hexachlorobutadiene	9.82	0.60	µg/L	10.0		98.2	70-130				
2-Hexanone (MBK)	91.9	10	µg/L	100		91.9	70-160				†
Isopropylbenzene (Cumene)	11.2	1.0	µg/L	10.0		112	70-130				
p-Isopropyltoluene (p-Cymene)	10.6	1.0	µg/L	10.0		106	70-130				
Methyl Acetate	7.77	1.0	µg/L	10.0		77.7	70-130			V-05	
Methyl tert-Butyl Ether (MTBE)	10.7	1.0	µg/L	10.0		107	70-130				
Methyl Cyclohexane	11.1	1.0	µg/L	10.0		111	70-130				
Methylene Chloride	9.45	5.0	µg/L	10.0		94.5	70-130				
4-Methyl-2-pentanone (MIBK)	96.4	10	µg/L	100		96.4	70-160				†
Naphthalene	9.24	2.0	µg/L	10.0		92.4	40-130				†
n-Propylbenzene	10.8	1.0	µg/L	10.0		108	70-130				
Styrene	11.2	1.0	µg/L	10.0		112	70-130				
1,1,1,2-Tetrachloroethane	11.7	1.0	µg/L	10.0		117	70-130				
1,1,2,2-Tetrachloroethane	10.3	0.50	µg/L	10.0		103	70-130				
Tetrachloroethylene	12.7	1.0	µg/L	10.0		127	70-130			V-20	
Tetrahydrofuran	9.41	10	µg/L	10.0		94.1	70-130				
Toluene	11.1	1.0	µg/L	10.0		111	70-130				
1,2,3-Trichlorobenzene	9.87	5.0	µg/L	10.0		98.7	70-130				
1,2,4-Trichlorobenzene	10.5	1.0	µg/L	10.0		105	70-130				
1,3,5-Trichlorobenzene	10.3	1.0	µg/L	10.0		103	70-130				
1,1,1-Trichloroethane	10.6	1.0	µg/L	10.0		106	70-130				
1,1,2-Trichloroethane	10.9	1.0	µg/L	10.0		109	70-130				
Trichloroethylene	11.2	1.0	µg/L	10.0		112	70-130				
Trichlorofluoromethane (Freon 11)	10.3	2.0	µg/L	10.0		103	70-130				
1,2,3-Trichloropropane	11.0	2.0	µg/L	10.0		110	70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B295750 - SW-846 5030B												
LCS (B295750-BS1)				Prepared & Analyzed: 11/30/21								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.3	1.0	µg/L	10.0		123		70-130			V-20	
1,2,4-Trimethylbenzene	10.6	1.0	µg/L	10.0		106		70-130				
1,3,5-Trimethylbenzene	11.2	1.0	µg/L	10.0		112		70-130				
Vinyl Chloride	10.0	2.0	µg/L	10.0		100		40-160				†
m+p Xylene	22.7	2.0	µg/L	20.0		114		70-130				
o-Xylene	11.1	1.0	µg/L	10.0		111		70-130				
Surrogate: 1,2-Dichloroethane-d4	*21.3*		µg/L	25.0		85.1		70-130				
Surrogate: Toluene-d8	*24.6*		µg/L	25.0		98.3		70-130				
Surrogate: 4-Bromofluorobenzene	*24.4*		µg/L	25.0		97.7		70-130				
LCS Dup (B295750-BSD1)				Prepared & Analyzed: 11/30/21								
Acetone	81.3	50	µg/L	100		81.3		70-160	9.15	25		†
Acrylonitrile	9.67	5.0	µg/L	10.0		96.7		70-130	3.75	25		
tert-Amyl Methyl Ether (TAME)	10.4	0.50	µg/L	10.0		104		70-130	3.41	25		
Benzene	10.2	1.0	µg/L	10.0		102		70-130	0.393	25		
Bromobenzene	10.5	1.0	µg/L	10.0		105		70-130	1.04	25		
Bromochloromethane	12.7	1.0	µg/L	10.0		127		70-130	0.632	25	V-20	
Bromodichloromethane	10.3	0.50	µg/L	10.0		103		70-130	2.02	25		
Bromoform	9.73	1.0	µg/L	10.0		97.3		70-130	4.42	25		
Bromomethane	17.6	2.0	µg/L	10.0		**176**	*	40-160	5.52	25	L-02, V-20, V-34	†
2-Butanone (MEK)	81.4	20	µg/L	100		81.4		40-160	4.76	25		†
tert-Butyl Alcohol (TBA)	80.0	20	µg/L	100		80.0		40-160	12.2	25		†
n-Butylbenzene	9.56	1.0	µg/L	10.0		95.6		70-130	2.99	25		
sec-Butylbenzene	9.95	1.0	µg/L	10.0		99.5		70-130	2.19	25		
tert-Butylbenzene	10.6	1.0	µg/L	10.0		106		70-130	3.08	25		
tert-Butyl Ethyl Ether (TBEE)	9.72	0.50	µg/L	10.0		97.2		70-130	2.54	25		
Carbon Disulfide	89.0	5.0	µg/L	100		89.0		70-130	3.56	25		
Carbon Tetrachloride	10.7	5.0	µg/L	10.0		107		70-130	2.41	25		
Chlorobenzene	11.1	1.0	µg/L	10.0		111		70-130	1.69	25		
Chlorodibromomethane	11.0	0.50	µg/L	10.0		110		70-130	2.86	25		
Chloroethane	10.3	2.0	µg/L	10.0		103		70-130	1.74	25		
Chloroform	10.0	2.0	µg/L	10.0		100		70-130	4.21	25		
Chloromethane	4.02	2.0	µg/L	10.0		40.2		40-160	4.62	25	V-05, V-34	†
2-Chlorotoluene	10.5	1.0	µg/L	10.0		105		70-130	2.73	25		
4-Chlorotoluene	10.7	1.0	µg/L	10.0		107		70-130	2.21	25		
1,2-Dibromo-3-chloropropane (DBCP)	8.36	5.0	µg/L	10.0		83.6		70-130	11.3	25		
1,2-Dibromoethane (EDB)	10.6	0.50	µg/L	10.0		106		70-130	2.88	25		
Dibromomethane	11.0	1.0	µg/L	10.0		110		70-130	1.44	25		
1,2-Dichlorobenzene	10.5	1.0	µg/L	10.0		105		70-130	1.23	25		
1,3-Dichlorobenzene	10.4	1.0	µg/L	10.0		104		70-130	3.69	25		
1,4-Dichlorobenzene	10.2	1.0	µg/L	10.0		102		70-130	2.31	25		
trans-1,4-Dichloro-2-butene	10.1	2.0	µg/L	10.0		101		70-130	4.28	25		
Dichlorodifluoromethane (Freon 12)	9.24	2.0	µg/L	10.0		92.4		40-160	7.20	25		†
1,1-Dichloroethane	9.94	1.0	µg/L	10.0		99.4		70-130	2.78	25		
1,2-Dichloroethane	10.3	1.0	µg/L	10.0		103		70-130	4.38	25		
1,1-Dichloroethylene	10.6	1.0	µg/L	10.0		106		70-130	0.655	25		
cis-1,2-Dichloroethylene	10.1	1.0	µg/L	10.0		101		70-130	0.885	25		
trans-1,2-Dichloroethylene	10.5	1.0	µg/L	10.0		105		70-130	3.19	25		
1,2-Dichloropropane	10.0	1.0	µg/L	10.0		100		70-130	7.50	25		
1,3-Dichloropropane	10.4	0.50	µg/L	10.0		104		70-130	2.38	25		
2,2-Dichloropropane	10.1	1.0	µg/L	10.0		101		40-130	0.795	25		†
1,1-Dichloropropene	9.99	2.0	µg/L	10.0		99.9		70-130	7.24	25		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B295750 - SW-846 5030B											
LCS Dup (B295750-BSD1)				Prepared & Analyzed: 11/30/21							
cis-1,3-Dichloropropene	10.2	0.50	µg/L	10.0		102	70-130	3.38	25		
trans-1,3-Dichloropropene	10.1	0.50	µg/L	10.0		101	70-130	2.35	25		
Diethyl Ether	9.54	2.0	µg/L	10.0		95.4	70-130	1.15	25		
Diisopropyl Ether (DIPE)	9.35	0.50	µg/L	10.0		93.5	70-130	0.320	25		
1,4-Dioxane	101	50	µg/L	100		101	40-130	6.01	50		† ‡
Ethylbenzene	10.7	1.0	µg/L	10.0		107	70-130	2.22	25		
Hexachlorobutadiene	9.39	0.60	µg/L	10.0		93.9	70-130	4.48	25		
2-Hexanone (MBK)	85.2	10	µg/L	100		85.2	70-160	7.60	25		†
Isopropylbenzene (Cumene)	10.9	1.0	µg/L	10.0		109	70-130	2.17	25		
p-Isopropyltoluene (p-Cymene)	10.2	1.0	µg/L	10.0		102	70-130	3.93	25		
Methyl Acetate	7.27	1.0	µg/L	10.0		72.7	70-130	6.65	25	V-05	
Methyl tert-Butyl Ether (MTBE)	10.3	1.0	µg/L	10.0		103	70-130	3.89	25		
Methyl Cyclohexane	10.8	1.0	µg/L	10.0		108	70-130	2.93	25		
Methylene Chloride	9.24	5.0	µg/L	10.0		92.4	70-130	2.25	25		
4-Methyl-2-pentanone (MIBK)	90.1	10	µg/L	100		90.1	70-160	6.81	25		†
Naphthalene	8.36	2.0	µg/L	10.0		83.6	40-130	10.0	25		†
n-Propylbenzene	10.5	1.0	µg/L	10.0		105	70-130	2.25	25		
Styrene	10.9	1.0	µg/L	10.0		109	70-130	2.81	25		
1,1,1,2-Tetrachloroethane	11.2	1.0	µg/L	10.0		112	70-130	4.98	25		
1,1,2,2-Tetrachloroethane	9.77	0.50	µg/L	10.0		97.7	70-130	5.67	25		
Tetrachloroethylene	12.0	1.0	µg/L	10.0		120	70-130	5.60	25	V-20	
Tetrahydrofuran	8.70	10	µg/L	10.0		87.0	70-130	7.84	25		
Toluene	10.7	1.0	µg/L	10.0		107	70-130	3.86	25		
1,2,3-Trichlorobenzene	9.17	5.0	µg/L	10.0		91.7	70-130	7.35	25		
1,2,4-Trichlorobenzene	9.76	1.0	µg/L	10.0		97.6	70-130	7.11	25		
1,3,5-Trichlorobenzene	9.75	1.0	µg/L	10.0		97.5	70-130	5.19	25		
1,1,1-Trichloroethane	10.6	1.0	µg/L	10.0		106	70-130	0.376	25		
1,1,2-Trichloroethane	10.7	1.0	µg/L	10.0		107	70-130	1.57	25		
Trichloroethylene	11.0	1.0	µg/L	10.0		110	70-130	1.62	25		
Trichlorofluoromethane (Freon 11)	10.4	2.0	µg/L	10.0		104	70-130	1.55	25		
1,2,3-Trichloropropane	11.0	2.0	µg/L	10.0		110	70-130	0.182	25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.0	1.0	µg/L	10.0		120	70-130	1.89	25	V-20	
1,2,4-Trimethylbenzene	10.2	1.0	µg/L	10.0		102	70-130	3.47	25		
1,3,5-Trimethylbenzene	10.8	1.0	µg/L	10.0		108	70-130	4.36	25		
Vinyl Chloride	9.59	2.0	µg/L	10.0		95.9	40-160	4.39	25		†
m+p Xylene	21.9	2.0	µg/L	20.0		109	70-130	3.68	25		
o-Xylene	10.8	1.0	µg/L	10.0		108	70-130	2.56	25		
Surrogate: 1,2-Dichloroethane-d4	*21.1*		µg/L	25.0		84.4	70-130				
Surrogate: Toluene-d8	*24.4*		µg/L	25.0		97.5	70-130				
Surrogate: 4-Bromofluorobenzene	*24.5*		µg/L	25.0		98.1	70-130				

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
L-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
V-34	Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
Acetone	CT,ME,NH,VA,NY
Acrylonitrile	CT,ME,NH,VA,NY
tert-Amyl Methyl Ether (TAME)	ME,NH,VA,NY
Benzene	CT,ME,NH,VA,NY
Bromobenzene	ME,NY
Bromochloromethane	ME,NH,VA,NY
Bromodichloromethane	CT,ME,NH,VA,NY
Bromoform	CT,ME,NH,VA,NY
Bromomethane	CT,ME,NH,VA,NY
2-Butanone (MEK)	CT,ME,NH,VA,NY
tert-Butyl Alcohol (TBA)	ME,NH,VA,NY
n-Butylbenzene	ME,VA,NY
sec-Butylbenzene	ME,VA,NY
tert-Butylbenzene	ME,VA,NY
tert-Butyl Ethyl Ether (TBEE)	ME,NH,VA,NY
Carbon Disulfide	CT,ME,NH,VA,NY
Carbon Tetrachloride	CT,ME,NH,VA,NY
Chlorobenzene	CT,ME,NH,VA,NY
Chlorodibromomethane	CT,ME,NH,VA,NY
Chloroethane	CT,ME,NH,VA,NY
Chloroform	CT,ME,NH,VA,NY
Chloromethane	CT,ME,NH,VA,NY
2-Chlorotoluene	ME,NH,VA,NY
4-Chlorotoluene	ME,NH,VA,NY
1,2-Dibromo-3-chloropropane (DBCP)	ME,NY
1,2-Dibromoethane (EDB)	ME,NY
Dibromomethane	ME,NH,VA,NY
1,2-Dichlorobenzene	CT,ME,NH,VA,NY
1,3-Dichlorobenzene	CT,ME,NH,VA,NY
1,4-Dichlorobenzene	CT,ME,NH,VA,NY
trans-1,4-Dichloro-2-butene	ME,NH,VA,NY
Dichlorodifluoromethane (Freon 12)	ME,NH,VA,NY
1,1-Dichloroethane	CT,ME,NH,VA,NY
1,2-Dichloroethane	CT,ME,NH,VA,NY
1,1-Dichloroethylene	CT,ME,NH,VA,NY
cis-1,2-Dichloroethylene	ME,NY
trans-1,2-Dichloroethylene	CT,ME,NH,VA,NY
1,2-Dichloropropane	CT,ME,NH,VA,NY
1,3-Dichloropropane	ME,VA,NY
2,2-Dichloropropane	ME,NH,VA,NY
1,1-Dichloropropene	ME,NH,VA,NY
cis-1,3-Dichloropropene	CT,ME,NH,VA,NY
trans-1,3-Dichloropropene	CT,ME,NH,VA,NY
Diethyl Ether	ME,NY
Diisopropyl Ether (DIPE)	ME,NH,VA,NY
1,4-Dioxane	ME,NY
Ethylbenzene	CT,ME,NH,VA,NY

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260D in Water	
Hexachlorobutadiene	CT,ME,NH,VA,NY
2-Hexanone (MBK)	CT,ME,NH,VA,NY
Isopropylbenzene (Cumene)	ME,VA,NY
p-Isopropyltoluene (p-Cymene)	CT,ME,NH,VA,NY
Methyl Acetate	ME,NY
Methyl tert-Butyl Ether (MTBE)	CT,ME,NH,VA,NY
Methyl Cyclohexane	NY
Methylene Chloride	CT,ME,NH,VA,NY
4-Methyl-2-pentanone (MIBK)	CT,ME,NH,VA,NY
Naphthalene	ME,NH,VA,NY
n-Propylbenzene	CT,ME,NH,VA,NY
Styrene	CT,ME,NH,VA,NY
1,1,1,2-Tetrachloroethane	CT,ME,NH,VA,NY
1,1,2,2-Tetrachloroethane	CT,ME,NH,VA,NY
Tetrachloroethylene	CT,ME,NH,VA,NY
Toluene	CT,ME,NH,VA,NY
1,2,3-Trichlorobenzene	ME,NH,VA,NY
1,2,4-Trichlorobenzene	CT,ME,NH,VA,NY
1,3,5-Trichlorobenzene	ME
1,1,1-Trichloroethane	CT,ME,NH,VA,NY
1,1,2-Trichloroethane	CT,ME,NH,VA,NY
Trichloroethylene	CT,ME,NH,VA,NY
Trichlorofluoromethane (Freon 11)	CT,ME,NH,VA,NY
1,2,3-Trichloropropane	ME,NH,VA,NY
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	VA,NY
1,2,4-Trimethylbenzene	ME,VA,NY
1,3,5-Trimethylbenzene	ME,VA,NY
Vinyl Chloride	CT,ME,NH,VA,NY
m+p Xylene	CT,ME,NH,VA,NY
o-Xylene	CT,ME,NH,VA,NY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2024
MA	Massachusetts DEP	M-MA100	06/30/2022
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2022
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2022
RI	Rhode Island Department of Health	LAO00112	12/30/2021
NC	North Carolina Div. of Water Quality	652	12/31/2022
NJ	New Jersey DEP	MA007 NELAP	06/30/2022
FL	Florida Department of Health	E871027 NELAP	06/30/2022
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2022
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2022
NC-DW	North Carolina Department of Health	25703	07/31/2022
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2022
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

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

Chain of Custody Record

21K1700

eurofins | Environment Testing America

Client Information	Sampler: Jason Gothowski	Lab PM: Hartmann, Steve	Carrier Tracking No(s):	COC No: 480-158701-34888.1
Client Contact: Jasmine Mullins	Phone: 3154363605	E-Mail: Steve.Hartmann@Eurofinset.com	State of Origin:	Page: Page 1 of 1
Company: ARCADIS U.S. Inc	PWSID:			Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): Standard Turn			
State, Zip: NY, 12065	Compliance Project: Δ Yes Δ No			
Phone: 518-402-9625(Tel)	PO #: Callout 139083			
Email: jasmine.mullins@arcadis.com	WO #:			
Project Name: Gladding Corporation #709009	Project #: 48022018			
Site: South Otselic	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL list OLM04.2	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
RW-1 112321	11/23/21	1108	G	Water			X	2	
RW-2 112321		1103		Water			X	2	
EFF-46 HZ 112321		1100		Water			X	2	
Trip Blank	—	—		Water			X	2	

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Dan Mutch	11/24/21 / 1330	Arcadis		11-26-21 754	Pace
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 06/08/2021

FedEx

TRACK ANOTHER SHIPMENT

286554533434

ADD NICKNAME

Delivered
Friday, 11/26/2021 at 7:54 am

DELIVERED

Signed for by: C.BELICKY

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM	TO
CLIFTON PARK, NY US	EAST LONGMEADOW, MA US

MANAGE DELIVERY

Travel History

TIME ZONE
Local Scan Time

Friday, November 26, 2021		
7:54 AM	EAST LONGMEADOW, MA	Delivered
7:23 AM	WINDSOR LOCKS, CT	On FedEx vehicle for delivery
7:23 AM	WINDSOR LOCKS, CT	At local FedEx facility
Thursday, November 25, 2021		
4:00 AM	NEWARK, NJ	Departed FedEx hub
Wednesday, November 24, 2021		
11:40 PM	NEWARK, NJ	Arrived at FedEx hub
8:18 PM	NORTH SYRACUSE, NY	Left FedEx origin facility
1:28 PM		Shipment information sent to FedEx

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Accedis

Received By [illegible] Date 11.26.21 Time 754

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____

Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 3 Actual Temp -5.1

By Blank # _____ Actual Temp -

Was Custody Seal Intact? NA Were Samples Tampered with? NA

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Analysis T Sampler Name T

Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? _____

Are there Rushes? F Who was notified? _____

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

Is there Headspace where applicable? F MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? T On COC? T

Do all samples have the proper pH? NA Acid _____ Base _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-	2	500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

January 03, 2022

Jasmine Mullins
Arcadis US, Inc

,

RE: Project: GLADDING CORP #709009 12/15
Pace Project No.: 70198329

Dear Jasmine Mullins:

Enclosed are the analytical results for sample(s) received by the laboratory on December 17, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Melville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lea Sherman
lea.sherman@pacelabs.com
(631)694-3040
Project Manager

Enclosures

cc: Jared Donaldson, NYDEC
NYDEC, NYDEC

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

CERTIFICATIONS

Project: GLADDING CORP #709009 12/15
Pace Project No.: 70198329

Pace Analytical Services Long Island
575 Broad Hollow Rd, Melville, NY 11747
Connecticut Certification #: PH-0435
Delaware Certification # NY 10478
Maryland Certification #: 208
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987
New Jersey Certification #: NY158
New York Certification #: 10478 Primary Accrediting Body
Pennsylvania Certification #: 68-00350
Rhode Island Certification #: LAO00340
Virginia Certification # 460302

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: GLADDING CORP #709009 12/15
Pace Project No.: 70198329

Sample: RW2 121521 **Lab ID: 70198329001** Collected: 12/15/21 13:54 Received: 12/17/21 11:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
1,1,1-Trichloroethane	**86.6**	ug/L	1.0	1		12/23/21 01:42	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/23/21 01:42	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		12/23/21 01:42	79-00-5	IC
1,1,2-Trichlorotrifluoroethane	**<1.0**	ug/L	1.0	1		12/23/21 01:42	76-13-1	
1,1-Dichloroethane	**2.1**	ug/L	1.0	1		12/23/21 01:42	75-34-3	
1,1-Dichloroethene	**2.5**	ug/L	1.0	1		12/23/21 01:42	75-35-4	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		12/23/21 01:42	120-82-1	IC,v3
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		12/23/21 01:42	96-12-8	v3
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		12/23/21 01:42	106-93-4	IC
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/23/21 01:42	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		12/23/21 01:42	107-06-2	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/23/21 01:42	78-87-5	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/23/21 01:42	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/23/21 01:42	106-46-7	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		12/23/21 01:42	78-93-3	v3
2-Hexanone	**<5.0**	ug/L	5.0	1		12/23/21 01:42	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		12/23/21 01:42	108-10-1	
Acetone	**12.2**	ug/L	5.0	1		12/23/21 01:42	67-64-1	IH
Benzene	**<1.0**	ug/L	1.0	1		12/23/21 01:42	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		12/23/21 01:42	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		12/23/21 01:42	75-25-2	v3
Bromomethane	**<1.0**	ug/L	1.0	1		12/23/21 01:42	74-83-9	
Carbon disulfide	**<1.0**	ug/L	1.0	1		12/23/21 01:42	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		12/23/21 01:42	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		12/23/21 01:42	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		12/23/21 01:42	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		12/23/21 01:42	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		12/23/21 01:42	74-87-3	
Cyclohexane	**<1.0**	ug/L	1.0	1		12/23/21 01:42	110-82-7	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		12/23/21 01:42	124-48-1	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/23/21 01:42	75-71-8	
Ethylbenzene	**<1.0**	ug/L	1.0	1		12/23/21 01:42	100-41-4	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		12/23/21 01:42	98-82-8	
Methyl acetate	**<1.0**	ug/L	1.0	1		12/23/21 01:42	79-20-9	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		12/23/21 01:42	1634-04-4	
Methylcyclohexane	**<1.0**	ug/L	1.0	1		12/23/21 01:42	108-87-2	
Methylene Chloride	**<1.0**	ug/L	1.0	1		12/23/21 01:42	75-09-2	
Styrene	**<1.0**	ug/L	1.0	1		12/23/21 01:42	100-42-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		12/23/21 01:42	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		12/23/21 01:42	108-88-3	
Trichloroethene	**<1.0**	ug/L	1.0	1		12/23/21 01:42	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		12/23/21 01:42	75-69-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		12/23/21 01:42	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		12/23/21 01:42	1330-20-7	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/23/21 01:42	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/23/21 01:42	10061-01-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: GLADDING CORP #709009 12/15
Pace Project No.: 70198329

Sample: RW2 121521 **Lab ID: 70198329001** Collected: 12/15/21 13:54 Received: 12/17/21 11:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/23/21 01:42	156-60-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/23/21 01:42	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	96	%	81-122	1		12/23/21 01:42	17060-07-0	
4-Bromofluorobenzene (S)	86	%	79-118	1		12/23/21 01:42	460-00-4	
Toluene-d8 (S)	106	%	82-122	1		12/23/21 01:42	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: GLADDING CORP #709009 12/15
Pace Project No.: 70198329

Sample: EFF-46HZ121521 **Lab ID: 70198329002** Collected: 12/15/21 13:50 Received: 12/17/21 11:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		12/22/21 21:57	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/22/21 21:57	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		12/22/21 21:57	79-00-5	IC
1,1,2-Trichlorotrifluoroethane	**<1.0**	ug/L	1.0	1		12/22/21 21:57	76-13-1	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		12/22/21 21:57	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		12/22/21 21:57	75-35-4	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		12/22/21 21:57	120-82-1	IC,v3
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		12/22/21 21:57	96-12-8	v3
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		12/22/21 21:57	106-93-4	IC
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/22/21 21:57	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		12/22/21 21:57	107-06-2	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/22/21 21:57	78-87-5	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/22/21 21:57	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/22/21 21:57	106-46-7	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		12/22/21 21:57	78-93-3	v3
2-Hexanone	**<5.0**	ug/L	5.0	1		12/22/21 21:57	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		12/22/21 21:57	108-10-1	
Acetone	**<5.0**	ug/L	5.0	1		12/22/21 21:57	67-64-1	
Benzene	**<1.0**	ug/L	1.0	1		12/22/21 21:57	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		12/22/21 21:57	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		12/22/21 21:57	75-25-2	v3
Bromomethane	**<1.0**	ug/L	1.0	1		12/22/21 21:57	74-83-9	
Carbon disulfide	**<1.0**	ug/L	1.0	1		12/22/21 21:57	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		12/22/21 21:57	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		12/22/21 21:57	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		12/22/21 21:57	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		12/22/21 21:57	67-66-3	
Chloromethane	**1.3**	ug/L	1.0	1		12/22/21 21:57	74-87-3	
Cyclohexane	**<1.0**	ug/L	1.0	1		12/22/21 21:57	110-82-7	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		12/22/21 21:57	124-48-1	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/22/21 21:57	75-71-8	
Ethylbenzene	**<1.0**	ug/L	1.0	1		12/22/21 21:57	100-41-4	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		12/22/21 21:57	98-82-8	
Methyl acetate	**<1.0**	ug/L	1.0	1		12/22/21 21:57	79-20-9	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		12/22/21 21:57	1634-04-4	
Methylcyclohexane	**<1.0**	ug/L	1.0	1		12/22/21 21:57	108-87-2	
Methylene Chloride	**<1.0**	ug/L	1.0	1		12/22/21 21:57	75-09-2	
Styrene	**<1.0**	ug/L	1.0	1		12/22/21 21:57	100-42-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		12/22/21 21:57	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		12/22/21 21:57	108-88-3	
Trichloroethene	**<1.0**	ug/L	1.0	1		12/22/21 21:57	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		12/22/21 21:57	75-69-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		12/22/21 21:57	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		12/22/21 21:57	1330-20-7	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/22/21 21:57	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/22/21 21:57	10061-01-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: GLADDING CORP #709009 12/15
Pace Project No.: 70198329

Sample: EFF-46HZ121521 **Lab ID: 70198329002** Collected: 12/15/21 13:50 Received: 12/17/21 11:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/22/21 21:57	156-60-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/22/21 21:57	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	96	%	81-122	1		12/22/21 21:57	17060-07-0	
4-Bromofluorobenzene (S)	83	%	79-118	1		12/22/21 21:57	460-00-4	
Toluene-d8 (S)	105	%	82-122	1		12/22/21 21:57	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: GLADDING CORP #709009 12/15
Pace Project No.: 70198329

Sample: TRIP BLANK **Lab ID: 70198329003** Collected: 12/15/21 00:00 Received: 12/17/21 11:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		12/22/21 20:05	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		12/22/21 20:05	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		12/22/21 20:05	79-00-5	IC
1,1,2-Trichlorotrifluoroethane	**<1.0**	ug/L	1.0	1		12/22/21 20:05	76-13-1	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		12/22/21 20:05	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		12/22/21 20:05	75-35-4	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		12/22/21 20:05	120-82-1	IC,v3
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		12/22/21 20:05	96-12-8	v3
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		12/22/21 20:05	106-93-4	IC
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/22/21 20:05	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		12/22/21 20:05	107-06-2	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		12/22/21 20:05	78-87-5	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/22/21 20:05	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		12/22/21 20:05	106-46-7	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		12/22/21 20:05	78-93-3	v3
2-Hexanone	**<5.0**	ug/L	5.0	1		12/22/21 20:05	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		12/22/21 20:05	108-10-1	
Acetone	**13.2**	ug/L	5.0	1		12/22/21 20:05	67-64-1	IH
Benzene	**<1.0**	ug/L	1.0	1		12/22/21 20:05	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		12/22/21 20:05	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		12/22/21 20:05	75-25-2	v3
Bromomethane	**<1.0**	ug/L	1.0	1		12/22/21 20:05	74-83-9	
Carbon disulfide	**<1.0**	ug/L	1.0	1		12/22/21 20:05	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		12/22/21 20:05	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		12/22/21 20:05	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		12/22/21 20:05	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		12/22/21 20:05	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		12/22/21 20:05	74-87-3	
Cyclohexane	**<1.0**	ug/L	1.0	1		12/22/21 20:05	110-82-7	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		12/22/21 20:05	124-48-1	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		12/22/21 20:05	75-71-8	
Ethylbenzene	**<1.0**	ug/L	1.0	1		12/22/21 20:05	100-41-4	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		12/22/21 20:05	98-82-8	
Methyl acetate	**<1.0**	ug/L	1.0	1		12/22/21 20:05	79-20-9	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		12/22/21 20:05	1634-04-4	
Methylcyclohexane	**<1.0**	ug/L	1.0	1		12/22/21 20:05	108-87-2	
Methylene Chloride	**<1.0**	ug/L	1.0	1		12/22/21 20:05	75-09-2	
Styrene	**<1.0**	ug/L	1.0	1		12/22/21 20:05	100-42-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		12/22/21 20:05	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		12/22/21 20:05	108-88-3	
Trichloroethene	**<1.0**	ug/L	1.0	1		12/22/21 20:05	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		12/22/21 20:05	75-69-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		12/22/21 20:05	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		12/22/21 20:05	1330-20-7	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/22/21 20:05	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/22/21 20:05	10061-01-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: GLADDING CORP #709009 12/15
Pace Project No.: 70198329

Sample: TRIP BLANK **Lab ID: 70198329003** Collected: 12/15/21 00:00 Received: 12/17/21 11:15 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		12/22/21 20:05	156-60-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		12/22/21 20:05	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	93	%	81-122	1		12/22/21 20:05	17060-07-0	
4-Bromofluorobenzene (S)	78	%	79-118	1		12/22/21 20:05	460-00-4	S0
Toluene-d8 (S)	100	%	82-122	1		12/22/21 20:05	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
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QUALITY CONTROL DATA

Project: GLADDING CORP #709009 12/15
Pace Project No.: 70198329

QC Batch: 238179
QC Batch Method: EPA 8260C/5030C
Analysis Method: EPA 8260C/5030C
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70198329001, 70198329002, 70198329003

METHOD BLANK: 1203057 Matrix: Water
Associated Lab Samples: 70198329001, 70198329002, 70198329003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	12/22/21 18:37	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	12/22/21 18:37	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	12/22/21 18:37	IC
1,1,2-Trichlorotrifluoroethane	ug/L	<1.0	1.0	12/22/21 18:37	
1,1-Dichloroethane	ug/L	<1.0	1.0	12/22/21 18:37	
1,1-Dichloroethene	ug/L	<1.0	1.0	12/22/21 18:37	
1,2,4-Trichlorobenzene	ug/L	<1.0	1.0	12/22/21 18:37	IC,v3
1,2-Dibromo-3-chloropropane	ug/L	<1.0	1.0	12/22/21 18:37	v3
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	12/22/21 18:37	IC
1,2-Dichlorobenzene	ug/L	<1.0	1.0	12/22/21 18:37	
1,2-Dichloroethane	ug/L	<1.0	1.0	12/22/21 18:37	
1,2-Dichloropropane	ug/L	<1.0	1.0	12/22/21 18:37	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	12/22/21 18:37	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	12/22/21 18:37	
2-Butanone (MEK)	ug/L	<5.0	5.0	12/22/21 18:37	v3
2-Hexanone	ug/L	<5.0	5.0	12/22/21 18:37	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	12/22/21 18:37	
Acetone	ug/L	<5.0	5.0	12/22/21 18:37	
Benzene	ug/L	<1.0	1.0	12/22/21 18:37	
Bromodichloromethane	ug/L	<1.0	1.0	12/22/21 18:37	
Bromoform	ug/L	<1.0	1.0	12/22/21 18:37	v3
Bromomethane	ug/L	<1.0	1.0	12/22/21 18:37	
Carbon disulfide	ug/L	<1.0	1.0	12/22/21 18:37	
Carbon tetrachloride	ug/L	<1.0	1.0	12/22/21 18:37	
Chlorobenzene	ug/L	<1.0	1.0	12/22/21 18:37	
Chloroethane	ug/L	<1.0	1.0	12/22/21 18:37	
Chloroform	ug/L	<1.0	1.0	12/22/21 18:37	
Chloromethane	ug/L	<1.0	1.0	12/22/21 18:37	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	12/22/21 18:37	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	12/22/21 18:37	
Cyclohexane	ug/L	<1.0	1.0	12/22/21 18:37	
Dibromochloromethane	ug/L	<1.0	1.0	12/22/21 18:37	
Dichlorodifluoromethane	ug/L	<1.0	1.0	12/22/21 18:37	
Ethylbenzene	ug/L	<1.0	1.0	12/22/21 18:37	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	12/22/21 18:37	
Methyl acetate	ug/L	<1.0	1.0	12/22/21 18:37	
Methyl-tert-butyl ether	ug/L	<1.0	1.0	12/22/21 18:37	
Methylcyclohexane	ug/L	<1.0	1.0	12/22/21 18:37	
Methylene Chloride	ug/L	2.9	1.0	12/22/21 18:37	
Styrene	ug/L	<1.0	1.0	12/22/21 18:37	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: GLADDING CORP #709009 12/15
Pace Project No.: 70198329

METHOD BLANK: 1203057 Matrix: Water
Associated Lab Samples: 70198329001, 70198329002, 70198329003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Tetrachloroethene	ug/L	<1.0	1.0	12/22/21 18:37	
Toluene	ug/L	<1.0	1.0	12/22/21 18:37	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	12/22/21 18:37	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	12/22/21 18:37	
Trichloroethene	ug/L	<1.0	1.0	12/22/21 18:37	
Trichlorofluoromethane	ug/L	<1.0	1.0	12/22/21 18:37	
Vinyl chloride	ug/L	<1.0	1.0	12/22/21 18:37	
Xylene (Total)	ug/L	<3.0	3.0	12/22/21 18:37	
1,2-Dichloroethane-d4 (S)	%	99	81-122	12/22/21 18:37	
4-Bromofluorobenzene (S)	%	85	79-118	12/22/21 18:37	
Toluene-d8 (S)	%	107	82-122	12/22/21 18:37	

LABORATORY CONTROL SAMPLE: 1203058

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	44.6	89	72-126	
1,1,2,2-Tetrachloroethane	ug/L	50	49.3	99	70-127	
1,1,2-Trichloroethane	ug/L	50	50.2	100	81-119	IC
1,1,2-Trichlorotrifluoroethane	ug/L	50	64.5	129	54-133	v1
1,1-Dichloroethane	ug/L	50	49.9	100	72-126	
1,1-Dichloroethene	ug/L	50	57.4	115	66-133	
1,2,4-Trichlorobenzene	ug/L	50	42.5	85	56-141	IC,v3
1,2-Dibromo-3-chloropropane	ug/L	50	43.5	87	47-133	v3
1,2-Dibromoethane (EDB)	ug/L	50	50.1	100	81-123	IC
1,2-Dichlorobenzene	ug/L	50	51.6	103	80-117	
1,2-Dichloroethane	ug/L	50	49.6	99	69-134	
1,2-Dichloropropane	ug/L	50	46.4	93	75-125	
1,3-Dichlorobenzene	ug/L	50	51.6	103	82-116	
1,4-Dichlorobenzene	ug/L	50	50.9	102	80-117	
2-Butanone (MEK)	ug/L	50	34.1	68	33-165	v3
2-Hexanone	ug/L	50	42.4	85	50-128	
4-Methyl-2-pentanone (MIBK)	ug/L	50	42.4	85	62-131	
Acetone	ug/L	50	49.2	98	14-156	IH
Benzene	ug/L	50	50.5	101	78-117	
Bromodichloromethane	ug/L	50	45.2	90	80-123	
Bromoform	ug/L	50	39.5	79	49-138	v3
Bromomethane	ug/L	50	54.5	109	10-143	
Carbon disulfide	ug/L	50	52.6	105	66-133	
Carbon tetrachloride	ug/L	50	44.1	88	64-135	
Chlorobenzene	ug/L	50	51.9	104	79-117	
Chloroethane	ug/L	50	54.2	108	31-156	
Chloroform	ug/L	50	49.7	99	79-123	
Chloromethane	ug/L	50	49.7	99	39-116	
cis-1,2-Dichloroethene	ug/L	50	52.8	106	77-125	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: GLADDING CORP #709009 12/15
Pace Project No.: 70198329

LABORATORY CONTROL SAMPLE: 1203058

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,3-Dichloropropene	ug/L	50	48.5	97	78-131	
Cyclohexane	ug/L	50	47.0	94	53-130	
Dibromochloromethane	ug/L	50	47.4	95	65-123	
Dichlorodifluoromethane	ug/L	50	49.9	100	13-149	
Ethylbenzene	ug/L	50	57.0	114	79-115	
Isopropylbenzene (Cumene)	ug/L	50	54.9	110	74-118	
Methyl acetate	ug/L	50	55.5	111	10-214	
Methyl-tert-butyl ether	ug/L	50	46.0	92	69-118	
Methylcyclohexane	ug/L	50	54.7	109	63-124	
Methylene Chloride	ug/L	50	53.1	106	67-123	
Styrene	ug/L	50	55.5	111	82-121	
Tetrachloroethene	ug/L	50	54.0	108	65-120	
Toluene	ug/L	50	52.3	105	80-114	
trans-1,2-Dichloroethene	ug/L	50	55.7	111	74-123	
trans-1,3-Dichloropropene	ug/L	50	46.6	93	73-135	
Trichloroethene	ug/L	50	46.7	93	79-115	
Trichlorofluoromethane	ug/L	50	49.7	99	51-136	
Vinyl chloride	ug/L	50	53.4	107	49-118	
Xylene (Total)	ug/L	150	174	116	80-118	LS
1,2-Dichloroethane-d4 (S)	%			96	81-122	
4-Bromofluorobenzene (S)	%			90	79-118	
Toluene-d8 (S)	%			107	82-122	

MATRIX SPIKE SAMPLE: 1203080

Parameter	Units	70198298005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	50	46.6	93	72-123	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	48.2	96	64-133	
1,1,2-Trichloroethane	ug/L	<1.0	50	49.6	99	78-120	IC
1,1,2-Trichlorotrifluoroethane	ug/L	<1.0	50	62.3	125	56-136	v1
1,1-Dichloroethane	ug/L	<1.0	50	50.8	102	70-124	
1,1-Dichloroethene	ug/L	<1.0	50	61.9	124	61-139	
1,2,4-Trichlorobenzene	ug/L	<1.0	50	41.5	83	53-138	IC,v3
1,2-Dibromo-3-chloropropane	ug/L	<1.0	50	44.2	88	32-137	v3
1,2-Dibromoethane (EDB)	ug/L	<1.0	50	54.4	109	78-121	IC
1,2-Dichlorobenzene	ug/L	<1.0	50	51.7	103	75-120	
1,2-Dichloroethane	ug/L	<1.0	50	51.3	103	58-138	
1,2-Dichloropropane	ug/L	<1.0	50	48.1	96	74-122	
1,3-Dichlorobenzene	ug/L	<1.0	50	52.8	106	78-119	
1,4-Dichlorobenzene	ug/L	<1.0	50	51.4	103	76-118	
2-Butanone (MEK)	ug/L	<5.0	50	28.3	57	33-148	
2-Hexanone	ug/L	<5.0	50	40.8	82	49-124	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	43.6	87	60-136	
Acetone	ug/L	<5.0	50	28.6	49	35-112	IH
Benzene	ug/L	<1.0	50	53.1	106	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: GLADDING CORP #709009 12/15
Pace Project No.: 70198329

MATRIX SPIKE SAMPLE: 1203080

Parameter	Units	70198298005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	<1.0	50	49.2	98	74-122	
Bromoform	ug/L	<1.0	50	39.3	79	39-139	
Bromomethane	ug/L	<1.0	50	55.7	111	10-130	
Carbon disulfide	ug/L	<1.0	50	54.4	109	60-129	
Carbon tetrachloride	ug/L	<1.0	50	44.8	90	56-143	
Chlorobenzene	ug/L	<1.0	50	52.2	104	74-122	
Chloroethane	ug/L	<1.0	50	60.9	122	35-146	
Chloroform	ug/L	<1.0	50	53.1	106	71-129	
Chloromethane	ug/L	<1.0	50	53.2	106	29-112	
cis-1,2-Dichloroethene	ug/L	<1.0	50	54.8	110	73-129	
cis-1,3-Dichloropropene	ug/L	<1.0	50	49.0	98	67-130	
Cyclohexane	ug/L	<1.0	50	46.8	94	46-146	
Dibromochloromethane	ug/L	<1.0	50	49.2	98	55-126	
Dichlorodifluoromethane	ug/L	<1.0	50	48.2	96	10-123	
Ethylbenzene	ug/L	<1.0	50	54.7	109	70-126	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	53.8	108	68-127	
Methyl acetate	ug/L	<1.0	50	48.2	96	10-260	
Methyl-tert-butyl ether	ug/L	<1.0	50	48.3	97	60-140	
Methylcyclohexane	ug/L	<1.0	50	58.6	117	66-135	
Methylene Chloride	ug/L	<1.0	50	52.8	106	69-117	
Styrene	ug/L	<1.0	50	53.1	106	79-123	
Tetrachloroethene	ug/L	<1.0	50	52.0	104	64-124	
Toluene	ug/L	<1.0	50	54.7	109	76-123	
trans-1,2-Dichloroethene	ug/L	<1.0	50	58.1	116	69-127	
trans-1,3-Dichloropropene	ug/L	<1.0	50	48.2	96	61-130	
Trichloroethene	ug/L	<1.0	50	47.3	95	73-125	
Trichlorofluoromethane	ug/L	<1.0	50	54.3	109	59-129	
Vinyl chloride	ug/L	<1.0	50	55.3	111	33-127	
Xylene (Total)	ug/L	<3.0	150	172	115	78-123	
1,2-Dichloroethane-d4 (S)	%				92	81-122	
4-Bromofluorobenzene (S)	%				91	79-118	
Toluene-d8 (S)	%				103	82-122	

SAMPLE DUPLICATE: 1203092

Parameter	Units	70198367003 Result	Dup Result	RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	<1.0		
1,1,2,2-Tetrachloroethane	ug/L	<1.0	<1.0		
1,1,2-Trichloroethane	ug/L	<1.0	<1.0		IC
1,1,2-Trichlorotrifluoroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethene	ug/L	<1.0	<1.0		
1,2,4-Trichlorobenzene	ug/L	<1.0	<1.0		IC,v3
1,2-Dibromo-3-chloropropane	ug/L	<1.0	<1.0		v3
1,2-Dibromoethane (EDB)	ug/L	<1.0	<1.0		IC

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: GLADDING CORP #709009 12/15
Pace Project No.: 70198329

SAMPLE DUPLICATE: 1203092

Parameter	Units	70198367003 Result	Dup Result	RPD	Qualifiers
1,2-Dichlorobenzene	ug/L	<1.0	<1.0		
1,2-Dichloroethane	ug/L	<1.0	<1.0		
1,2-Dichloropropane	ug/L	<1.0	<1.0		
1,3-Dichlorobenzene	ug/L	<1.0	<1.0		
1,4-Dichlorobenzene	ug/L	<1.0	<1.0		
2-Butanone (MEK)	ug/L	<5.0	<5.0		v3
2-Hexanone	ug/L	<5.0	<5.0		
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	<5.0		
Acetone	ug/L	109	111	1	IH
Benzene	ug/L	<1.0	<1.0		
Bromodichloromethane	ug/L	<1.0	<1.0		
Bromoform	ug/L	<1.0	<1.0		v3
Bromomethane	ug/L	<1.0	<1.0		
Carbon disulfide	ug/L	<1.0	<1.0		
Carbon tetrachloride	ug/L	<1.0	<1.0		
Chlorobenzene	ug/L	<1.0	<1.0		
Chloroethane	ug/L	<1.0	<1.0		
Chloroform	ug/L	<1.0	<1.0		
Chloromethane	ug/L	<1.0	<1.0		
cis-1,2-Dichloroethene	ug/L	<1.0	<1.0		
cis-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Cyclohexane	ug/L	<1.0	<1.0		
Dibromochloromethane	ug/L	<1.0	<1.0		
Dichlorodifluoromethane	ug/L	<1.0	<1.0		
Ethylbenzene	ug/L	<1.0	<1.0		
Isopropylbenzene (Cumene)	ug/L	<1.0	<1.0		
Methyl acetate	ug/L	<1.0	<1.0		
Methyl-tert-butyl ether	ug/L	<1.0	<1.0		
Methylcyclohexane	ug/L	<1.0	<1.0		
Methylene Chloride	ug/L	<1.0	<1.0		
Styrene	ug/L	<1.0	<1.0		
Tetrachloroethene	ug/L	<1.0	<1.0		
Toluene	ug/L	<1.0	<1.0		
trans-1,2-Dichloroethene	ug/L	<1.0	<1.0		
trans-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Trichloroethene	ug/L	<1.0	<1.0		
Trichlorofluoromethane	ug/L	<1.0	<1.0		
Vinyl chloride	ug/L	<1.0	<1.0		
Xylene (Total)	ug/L	<3.0	<3.0		
1,2-Dichloroethane-d4 (S)	%	95	94		
4-Bromofluorobenzene (S)	%	83	83		
Toluene-d8 (S)	%	107	105		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALIFIERS

Project: GLADDING CORP #709009 12/15
Pace Project No.: 70198329

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

IC	The initial calibration for this compound was outside of method control limits. The result is estimated.
IH	This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.
LS	Analyte recovery in the laboratory control sample (LCS) was outside QC limits for one or more of the constituent analytes used in the calculated result.
S0	Surrogate recovery outside laboratory control limits.
v1	The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.
v3	The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: GLADDING CORP #709009 12/15
Pace Project No.: 70198329

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70198329001	**RW2 121521**	EPA 8260C/5030C	238179		
70198329002	**EFF-46HZ121521**	EPA 8260C/5030C	238179		
70198329003	**TRIP BLANK**	EPA 8260C/5030C	238179		

con-test ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
39 Spruce Street
East Longmeadow, MA 01028

CHAIN OF CUSTODY RECORD (New York)

Company Name: Arcadis
Address: 855 Route 146 Suite 210
Phone: 518 402 9625
Project Name: Gladding Corp. #709009
Project Location: South Otselic
Project Number: 30055695.03
Project Manager: Jasmine Mullins
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: Jason Gutkowski

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date: Standard Turn

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☐ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To: Jasmin.Mullins@Arcadis-US.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	8260C-TCL List	# of Containers	[2] Preservation Code	[3] Container Code
	~~RW-112152~~ (DUP)										
	RW2 121521	1354	1354		X	GW	V	3			
	Eff-46Hz121521	1350	1350		X	GW	V	3			
	Trip Blank	—	—		X	—	V	2			
									8		V

Dissolved Metals Samples
☐ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

WO#: 70198329
70198329

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
Dan Gutkowski	12/16/21 1030
Received by: (signature)	Date/Time:
	12-16-21 1030
Relinquished by: (signature)	Date/Time:
	12-16 1700
Received by: (signature)	Date/Time:
Joanne Sagan	12.17.21 11:15
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Program & Regulatory Information
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375
Other:

Deliverables
☐ Enhanced Data Package
☐ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD
Other:
NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

Pace Analytical®

Sample Condition Upon R

WO#: 70198329

PM: LS1 **Due Date: 01/04/22**
CLIENT: ARCADIS-CLIF

Client Name: Con-test Arcadis

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #: 7755 2353 4060

Custody Seal on Cooler/Box Present: ☐ Yes ☐ No Seals intact: ☐ Yes ☐ No ☐ N/A

Temperature Blank Present: ☑ Yes ☐ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☐ None ☐ Other

Type of Ice: (Wet) Blue None

Thermometer Used: TH091 Correction Factor: 0.00

☐ Samples on ice, cooling process has begun

Cooler Temperature(°C): 2.1 Cooler Temperature Corrected(°C): 2.1

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☐ N/A, water sample)

Date and Initials of person examining contents: 12.17.21 NTS

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ Yes ☐ No

Did samples orignate from a foreign source including Hawaii and Puerto Rico)? ☐ Yes ☑ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	☑ Yes	☐ No		1.
Chain of Custody Filled Out:	☑ Yes	☐ No		2.
Chain of Custody Relinquished:	☑ Yes	☐ No		3.
Sampler Name & Signature on COC:	☑ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time:	☑ Yes	☐ No		5.
Short Hold Time Analysis (<72hr):	☐ Yes	☑ No		6.
Rush Turn Around Time Requested:	☐ Yes	☑ No		7.
Sufficient Volume: (Triple volume provided for)	☑ Yes	☐ No		8.
Correct Containers Used:	☑ Yes	☐ No		9.
-Pace Containers Used:	☑ Yes	☐ No		
Containers Intact:	☑ Yes	☐ No		10.
Filtered volume received for Dissolved tests	☐ Yes	☐ No	☑ N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☑ Yes	☐ No		12.
-Includes date/time/ID/ Matrix: SL (WT) OIL				
All containers needing preservation have been checked?	☐ Yes	☐ No	☑ N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot #				Sample #
All containers needing preservation are found to be in compliance with method recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide)	☐ Yes	☐ No	☑ N/A	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis				Initial when completed: / Lot # of added preservative: / Date/Time preservative added:
Samples checked for dechlorination:	☐ Yes	☐ No	☑ N/A	14.
KI starch test strips Lot #				
Residual chlorine strips Lot #				Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sulfide?	☐ Yes	☐ No	☑ N/A	15.
Lead Acetate Strips Lot #				Positive for Sulfide? Y N
Headspace in VOA Vials (>6mm):	☐ Yes	☑ No	☐ N/A	16.
Trip Blank Present:	☑ Yes	☐ No	☐ N/A	17.
Trip Blank Custody Seals Present	☐ Yes	☐ No	☐ N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

* PM (Project Manager) review is documented electronically in LIMS

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