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Remediation

GLADDING CORDAGE SITE QUARTERLY REPORT AND ANNUAL GROUNDWATER MONITORING SUMMARY

SITE 7-09-009

FIRST QUARTER 2019

May 2019

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MONITORING SUMMARY**

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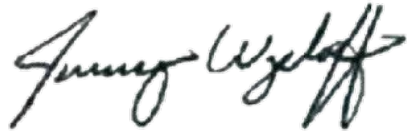


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ACRONYMS AND ABBREVIATIONS

Amsl	above mean sea level
BTEX	Benzene, toluene, ethylbenzene, and xylene.
Ft	feet
GPM	gallons per minute
GAP	generally accepted procedure
HZ	hertz
µg/L	micrograms per liter
NYSDEC	New York State Department of Environmental Conservation
O&M	operation and maintenance
PDB	passive diffusion bag
PLC	programmable logic controller
PCE	Tetrachloroethene
USEPA	United States Environmental Protection Agency
VFD	variable frequency drive
VOC	volatile organic compound
1,1-DCA	1,2-dichloroethane
1,1-DCE	1,2-dichloroethene
1,1,1-TCA	1,1,1-trichloroethane

1 INTRODUCTION

The New York State Department of Environmental Conservation (NYSDEC) has issued a Work Assignment (# D007618-9) to Arcadis CE, Inc. (Arcadis) for Operation, Maintenance, and Monitoring at the Gladding Cordage Site (Site # 7-09-009). This Quarterly Report has been prepared in accordance with the NYSDEC-approved Work Plan to summarize first quarter 2019 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. Since then, Arcadis has maintained operation of the groundwater treatment plant. This includes the operation, maintenance, and influent/effluent sampling in accordance with the Site Management Plan (SMP) and NYSDEC O&M manual (Operation and Maintenance Manual, Volume I, Gladding Cordage Site, Site 7-09-009, TAMS Consultants, Inc., 1996) (O&M Manual).

3.1 Treatment Plant Upgrades

3.1.1 Variable Frequency Drive

A variable frequency drive (VFD) was installed on January 9, 2008 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 treatment plant to effectively treat groundwater extracted from the source area. Additional sampling was conducted again in February 2008 to further optimize the air stripper blower speed. Based on the results, the VFD setting was reduced to 42 hertz (HZ) beginning in March 2008. However, based on the detection of low-level volatile organic compounds (VOCs) in effluent samples from the treatment system, the VFD setting was subsequently increased to 46 HZ in September 2010 and was maintained at that frequency until November 19, 2014.

Based on a general trend of lower concentrations of VOCs in influent treatment system samples since September 2010, the NYSDEC authorized a reduction of the VFD frequency to 44 HZ in an attempt to further optimize treatment plant operations and reduce electric usage. The VFD frequency was lowered to 44 HZ on November 19, 2014. Following approximately one-half hour of operation, post-treatment effluent samples were collected in accordance with the Work Plan (see Section 3.2.1). Based on a review of post-treatment effluent sample data from November 19, 2014, 1,1,1-Trichloroethane (1,1,1-TCA) and toluene were detected with the air stripper blower operating at 44 HZ, but at concentrations below the corresponding NYSDEC Class GA Standards. The NYSDEC was notified of the VOC detections and the blower motor frequency was subsequently increased to 46 HZ and has been maintained at that level since the December 18, 2014 O&M event.

3.1.2 Treatment Plant Controls

In August 2011, the NYSDEC authorized construction and installation of a new treatment plant controls system. The new control system is designed to provide remote access to treatment plant operating parameters and improve reliability of the groundwater remediation system. The treatment plant was shut down to begin repairs and upgrades on January 30, 2012 by Aztech Technologies, Inc. (Aztech). The upgrades to the treatment system controls were completed and the treatment plant resumed operation on March 22, 2012. The treatment plant functions are controlled and monitored using an EOS Research Ltd. ProControl Programmable Logic Controller (PLC). The interface software allows remote connection to the PLC via analog phone line. The PLC and interface software also allows the treatment system to be started or stopped remotely. The PLC is programmed to send a facsimile with the status of system inputs and

outputs on a daily basis. If input and/or output device values exceed the defined operating parameters, an alarm condition is set and the corresponding alarm information is sent via facsimile to the system user (i.e. Arcadis).

3.1.3 Geothermal Heat Exchanger

The NYSDEC authorized the installation of a geothermal heat exchanger to provide climate control (heating and humidity) for the treatment system building. The treatment plant was shut down to begin installation of the system on May 8, 2012 by Aztech. The geothermal heat exchanger installation and testing was completed on May 10, 2012. The heat-exchanger uses groundwater from the treatment plant as a geo-thermal energy source.

3.2 Treatment Plant Operation

As shown on PLC facsimile reports (Appendix A) and O&M Checklist and Operation Logs (Appendix B), the Gladding Cordage groundwater treatment system was intermittently shut down in January, February, and March due to power interruptions, resulting in system runtimes of 71 percent in January, 71 percent in February, and 94 percent in March. After each power failure, the system was restarted either remotely or manually.

The average monthly flow rates and total flow volumes for the first quarter 2019 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 5.7 gallons per minute (GPM). However, the flow transmitter for RW-1 previously stopped working and was replaced in March 2019. Therefore, the flow total from RW-1 is greater than the values reported by the PLC. The average flow from RW-2 was approximately 23 GPM. Based on the total flow values, approximately 3.8 million gallons of water were treated and discharged to the Otselic River between January and March 2019. However, the actual treated volume is likely greater, but was being diminished by the lower flow meter readings from RW-1. The new flow meter was installed in March 2019 and the flow readings will be accurate moving forward.

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 Contest Analytical following chain-of-custody protocols. Each sample was analyzed for VOCs by United States Environmental Protection Agency (USEPA) Method 624. Analytical Reporting Forms are provided in Appendix C.

3.3.1 Influent Sample Results

Table 3-2 and Table 3-3 summarize influent VOC sample results from recovery wells RW-1 and RW-2, respectively. Figure 3-1 provides a summary of 1,1,1-TCA concentrations in samples from recovery wells RW-1 and RW-2 since September 2007.

Table 3-2 and Figure 3-1 show that the concentrations of 1,1,1-TCA in samples from recovery well RW-1 were measured at 36.1 micrograms per liter (ug/L) in January 2019, 39.4 ug/L in February 2019, and 32.3 (µg/L) in March 2019. The concentrations of 1,1,1-TCA for recovery well RW-2 were measured at 27.8

ug/L (January 2019), 40.2 ug/L (February 2019), and 28 µg/L (March 2019), which is consistent with the fourth quarter 2018 concentrations of 1,1,1-TCA. Table 3-3 and Figure 3-1 show that the concentrations of 1,1,1-TCA in the samples from recovery wells RW-1 and RW-2 are within the range of historic concentrations and exceed the corresponding NYSDEC Class GA Standard of 5 µg/L.

As shown in Tables 3-2 and 3-3, 1,1-dichloroethane (1,1-DCA) and 1,1-dichloroethene (1,1-DCE) were detected in the first quarter 2019 samples from recovery wells RW-1 and RW-2. Consistent with previous results, the concentrations of these compounds were below the respective NYSDEC Class GA standard of 5 µg/L.

3.3.2 Effluent Sample Results

Table 3-4 summarizes laboratory analytical data for effluent samples collected from the treatment system. As shown in Table 3-4, no analytes were detected in the first Quarter 2019.

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 first quarter 2019.

4 GROUNDWATER MONITORING PROGRAM

The NYSDEC-approved Work Plan stated that groundwater samples would be collected using low-flow sampling techniques and analyzed for VOCs and metals. The NYSDEC later requested to have groundwater samples collected using passive diffusion bags (PDBs). On July 24, 2007, NYSDEC and Arcadis conducted a conference call regarding groundwater sampling protocols and analysis for the site. Since metals cannot be analyzed from PDB samples, NYSDEC authorized groundwater samples to be analyzed for VOCs only.

Groundwater samples are collected on a five-quarter sampling interval in accordance with the SMP. Passive diffusion bags were placed in groundwater monitoring wells on March 12th, 2019, in accordance with the Generally Acceptable Procedures (GAP) for PDB Samplers (Appendix D). Samples were collected from the PDBs on March 25th and 26th, 2019 to provide information on groundwater quality and to monitor contaminant migration in the groundwater at the site. Figure 4-1 shows the location of the groundwater monitoring wells. The next groundwater sampling event is scheduled to occur during the second quarter 2020.

4.1 Well Inspection

Groundwater monitoring wells were evaluated for integrity and suitability for groundwater monitoring and water levels. The condition of each well was visually inspected, and results were recorded on a Groundwater Monitoring Well Inspection form (Appendix D), with no significant damage or deficiencies observed.

4.2 Water Level Survey

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

Table 4-1 summarizes the groundwater levels and elevations. As shown in Table 4-1, groundwater elevations in monitoring wells screened in the shallow groundwater monitoring zone ranged from 1203.29 feet (ft) above mean sea level (amsl) to 1205.11 ft amsl; groundwater elevations in monitoring wells screened in the intermediate groundwater monitoring zone ranged from 1203.04 ft amsl to 1204.01 ft amsl; and groundwater elevations in monitoring wells screened in the deep groundwater monitoring zone ranged from 1203.03 ft amsl to 1204.01 ft amsl.

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

4.3 Groundwater Sampling

Groundwater samples were collected from 21 groundwater monitoring wells in accordance with the SMP and in consultation with NYSDEC.

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

Groundwater samples were collected from the following monitoring locations:

- TW-3S
- TW-3I
- TW-3D
- TW-4I
- TW-5S
- TW-5I
- TW-5D
- TW-6S
- TW-6I
- TW-6D
- TW-7S
- TW-7I
- TW-7D
- TW-9I
- TW-9D
- TW-12I
- TW-12D
- TW-14S
- TW-14I
- TW-14D
- TW-15

Groundwater samples were sent to Contest Analytical by chain-of-custody procedures and analyzed for VOCs by USEPA Method 624. Analytical data packages are provided in Appendix C.

4.4 Groundwater Results

Groundwater sampling results from the first quarter 2019 sampling event are summarized in Table 4-3 (VOCs).

4.4.1 Shallow Groundwater Monitoring Zone

As shown in Table 4-3, VOCs were detected at concentrations greater than the corresponding NYSDEC Class GA Standards in one of the five groundwater samples collected from the shallow groundwater monitoring network. The 1,1,1-TCA result from groundwater collected at TW-14S (29 µg/L) exceeded the

NYSDEC Class GA Standard of 5 µg/L. This result is within the range of previous concentrations detected at this location. The overall concentrations of 1,1,1-TCA in the sampled monitoring wells in the March 2019 sampling event, decreased as compared to the October 2017 event.

No further VOCs were detected at concentrations greater than the applicable NYSDEC Class GA Standards in the other groundwater samples collected from the shallow monitoring network during the first quarter 2019 sampling event.

4.4.2 Intermediate Groundwater Monitoring Zone

Table 4-3 shows that the concentrations of 1,1,1-TCA in groundwater samples collected from intermediate groundwater monitoring wells TW-4I (16.7 µg/L), TW-14I (36.9 µg/L), and TW-15 (35.9 µg/L) were greater than the applicable NYSDEC Class GA Standard of 5 µg/L.

The sample DUP-X was collected from monitoring well TW-15 and submitted as a field duplicate. The concentrations of 1,1,1-TCA in sample DUP-X (37 µg/L) and sample TW-15 (35.9 µg/L) correlate well.

Table 4-3 shows that the concentrations of 1,1,1 TCA in the samples discussed above are within the range of previous results at these locations.

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

4.4.3 Deep Groundwater Monitoring Zone

As shown in Table 4-3, the concentrations of 1,1,1-TCA exceeded the corresponding NYSDEC Class GA Standard of 5 µg/L in the groundwater sample collected from deep monitoring wells TW-5D (15.6 µg/L) and TW-14D (8.45 µg/L). These concentrations are consistent with historic results from these wells.

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

5 RECOMMENDATIONS

Based on the data presented herein, there are no recommended changes to the operation of the treatment plant.

6 SUMMARY

The Gladding Cordage groundwater treatment system was temporarily offline in January, February and March due to power interruptions. The average total flow through the treatment system during the first quarter 2019 was approximately 14 GPM. However, due to a faulty flow meter for RW-1, the total flow through the treatment system for this timeframe was likely under-reported. The new flow meter was installed in March 2019 and flow readings will be accurate moving forward.

The concentrations of VOCs detected in pre-treatment influent samples from recovery wells RW-1 and RW-2 were consistent with previous results.

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 first quarter 2019. However, the VOC removal mass is likely to be greater since the flow meter for RW-1 was not functioning properly.

Groundwater samples were collected from 21 groundwater monitoring wells at the Gladding Cordage site in 2019. The concentrations of VOCs in samples collected from the shallow, intermediate, and deep groundwater monitoring zones were generally consistent with results from the 2017 monitoring event. Groundwater samples collected from one shallow, three intermediate, and two deep groundwater monitoring wells contained concentrations of VOCs greater than the applicable NYSDEC Class GA Standards. The maximum concentration of total VOCs (36.9 µg/L) was in the groundwater sample collected from intermediate monitoring well TW-14I.

In general, groundwater samples collected from monitoring wells in the immediate vicinity of groundwater recovery wells RW-1 and RW-2 contained the greatest concentrations of VOCs.

Based on the current five-quarter sampling interval, the next groundwater monitoring event is scheduled to occur during the second quarter 2020.

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. 7-04-009A

Date	System Operation (days)	System On-time (% of possible days)	Well On-time		Flow Rates		Totalizer	Totalizer	Recovery Well Total Flows		Total System Flow (gallons)	Quarterly Totals (gallons)
			RW-1 (% possible)	RW-2 (% possible)	RW-1 (gpm)	RW-2 (gpm)	RW-1 (gallons)	RW-2 (gallons)	RW-1 (gallons)	RW-2 (gallons)		
January-19	22	71%	100%	100%	0 *	22.7	65,264,469	66,057,723	288,847	737,808	1,026,655	3,794,461
February-19	20	71%	100%	100%	0 *	22.7	65,553,391	66,815,952	288,922	758,229	1,047,151	
March-19	29	94%	100%	100%	17.1	22.2	66,300,433	67,789,565	747,042	973,613	1,720,655	
Total Flow 2019					5.7	23.3			5,288,682	7,905,198	13,193,880	

Notes:

gpm - Gallons per minute

* - flow meter not reading properly

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

Sample ID Sampling Date Matrix Units	NYSDEC Class GA Standard ug/L	RW-1 1/29/2018 WATER ug/L	RW-1 2/26/2018 WATER ug/L	RW-1 3/29/2018 WATER ug/L	RW-1 6/22/2018 WATER ug/L	RW-1 7/29/2018 WATER ug/L	RW-1 8/27/2018 WATER ug/L	RW-1 9/27/2018 WATER ug/L	RW-1 10/19/2018 WATER ug/L	RW-1 11/26/2018 WATER ug/L	RW-1 12/16/2018 WATER ug/L	RW-1 1/21/2019 WATER ug/L	RW-1 2/14/2019 WATER ug/L	RW-1 3/26/2019 WATER ug/L
VOCs														
1,1,1-Trichloroethane	5	38	40	37	41	42 J	45	47	47	35	35	36.1	39.4	32.3
1,1,2,2-Tetrachloroethane	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 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	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	1.37 J	1.4 J	1.02 J
1,1-Dichloroethene	5	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	3.39 J	0.79 J	0.70 J
1,2-Dichlorobenzene	3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	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	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	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	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	2.0 U	2.0 U	2.0 U
Carbon Tetrachloride	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	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	2.0 U	2.0 UR-06	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	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		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	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	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		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	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	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	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		40.3	42.5	39.1	43.8	44.5	47.8	49.6	49.7	38.2	38.6	42.9	43.6	34.0

- Concentration exceeds corresponding
Class GA Standard.
U - Not detected at the indicated concentration
J - Estimated concentration.

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

Sample ID Sampling Date Matrix Units	NYSDEC Class GA Standard ug/L	RW-2 1/29/2018 WATER ug/L	RW-2 2/27/2018 WATER ug/L	RW-2 3/29/2018 WATER ug/L	RW-2 6/22/2018 WATER ug/L	RW-2 7/29/2018 WATER ug/L	RW-2 8/27/2018 WATER ug/L	RW-2 9/27/2018 WATER ug/L	RW-2 10/19/2018 WATER ug/L	RW-2 11/26/2018 WATER ug/L	RW-2 12/16/2018 WATER ug/L	RW-2 1/21/2019 WATER ug/L	RW-2 2/14/2019 WATER ug/L	RW-2 3/26/2019 WATER ug/L
VOCs														
1,1,1-Trichloroethane	5	30	32	29	50	49	51	43	37	29	29	27.8	40.2	28
1,1,2,2-Tetrachloroethane	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 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	0.63 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	0.67 J	0.9 J	0.54 J
1,1-Dichloroethene	5	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	4.1	0.78 J	0.61 J
1,2-Dichlorobenzene	3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	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	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	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	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	2.0 U	2.0 U	2.0 U
Carbon Tetrachloride	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	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		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	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		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	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	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		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	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	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	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		31.2	33.4	30.2	52.6	51.2	53.4	44.8	38.7	30.5	30.5	32.6	41.9	29.2

- Concentration exceeds corresponding NYSDEC
Class GA Standard.
U - Not detected at the indicated concentration
J - Estimated concentration.

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

Sample ID Sampling Date Matrix Units	NYSDEC GA Standard ug/L	EFF(46HZ) 1/29/2018 WATER ug/L	EFF(46HZ) 1/30/2018 WATER ug/L	EFF(46HZ) 2/26/2018 WATER ug/L	EFF(46HZ) 3/29/2018 WATER ug/L	EFF(46HZ) 6/22/2018 WATER ug/L	EFF(46HZ) 7/29/2018 WATER ug/L	EFF(46HZ) 8/28/2018 WATER ug/L	EFF(46HZ) 9/27/2018 WATER ug/L	EFF(46HZ) 10/19/2018 WATER ug/L	EFF(46HZ) 11/26/2018 WATER ug/L	EFF(46HZ) 12/16/2018 WATER ug/L	EFF(46HZ) 1/21/2019 WATER ug/L	EFF(46HZ) 2/14/2019 WATER ug/L	EFF(46HZ) 3/26/2019 WATER ug/L
VOCS															
1,1,1-Trichloroethane	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	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	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	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	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	2.0 U	2.0 U	2.0 U
Carbon Tetrachloride	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	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		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	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
Dibromochloromethane	50	2.0 U	NA	NA	NA	NA	NA	NA	NA	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Ethyl Benzene	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	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		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	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	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		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	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	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	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	2.0 U	2.0 U	2.0 U
Trichloroethene	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	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	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U

Notes

U - Not detected at the indicated concentration.

J - Estimated concentration.

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

Well ID	Monitored Interval	Measuring Point Elevation ⁽¹⁾ (feet)	6/7/2011		7/10/2012		10/15/2013		4/21/2015		9/12/2016		10/25/2017		3/12/2019	
			DTW (feet)	Elevation (feet amsl)	DTW (feet)	Elevation (feet amsl)	DTW (feet)	Elevation (feet amsl)	DTW (feet)	Elevation (feet amsl)	DTW (feet)	Elevation (feet amsl)	DTW (feet)	Elevation (feet amsl)	DTW (feet)	Elevation (feet amsl)
TW-1	Shallow	1212.71 ⁽⁴⁾	7.40	1205.31	8.03	1204.68	7.29	1205.42	5.47	1207.24	7.84	1204.87	7.80	1204.91	7.60	1205.11
TW-2S	Shallow	1212.57 ⁽⁴⁾	8.48	1204.09	8.84	1203.73	8.22	1204.35	6.31	1206.26	8.70	1203.87	8.60	1203.97	8.57	1204.00
TW-2I	Intermediate	1212.16 ⁽⁴⁾	8.07	1204.09	8.51	1203.65	7.84	1204.32	6.03	1206.13	8.41	1203.75	8.34	1203.82	8.24	1203.92
TW-2D	Deep	1212.26 ⁽⁴⁾	8.24	1204.02	8.48	1203.78	7.93	1204.33	6.08	1206.18	8.52	1203.74	8.46	1203.80	8.53	1203.73
TW-3S	Shallow	1213.60	9.74	1203.86	9.91	1203.69	9.40	1204.20	7.83	1205.77	10.11	1203.49	10.05	1203.55	9.97	1203.63
TW-3I	Intermediate	1213.19	9.10	1204.09	9.50	1203.69	8.75	1204.44	8.59	1204.60	9.40	1203.79	9.35	1203.84	9.22	1203.97
TW-3D	Deep	1213.47	9.38	1204.09	9.75	1203.72	9.05	1204.42	7.33	1206.14	9.67	1203.80	9.61	1203.86	9.46	1204.01
TW-4I	Intermediate	1209.96 ⁽²⁾	6.75	1203.21	7.16	1202.80	5.65	1204.31	5.01	1204.95	7.29	1202.67	7.13	1202.83	6.71	1203.25
TW-5S	Shallow	1211.78	7.93	1203.85	8.38	1203.40	7.60	1204.18	6.04	1205.74	8.37	1203.41	8.30	1203.48	8.49	1203.29
TW-5I	Intermediate	1211.89	8.29	1203.60	8.76	1203.13	8.90	1202.99	6.36	1205.53	8.78	1203.11	8.76	1203.13	8.85	1203.04
TW-5D	Deep	1212.55	9.11	1203.44	9.63	1202.92	8.75	1203.80	7.26	1205.29	9.65	1202.90	9.66	1202.89	9.39	1203.16
TW-6S	Shallow	1210.08 ⁽⁵⁾	6.38	1203.70	6.62	1203.46	6.02	1204.06	4.55	1205.53	7.13	1202.95	7.13	1202.95	6.75	1203.33
TW-6I	Intermediate	1210.61 ⁽⁵⁾	7.26	1203.35	7.74	1202.87	6.94	1203.67	5.40	1205.21	7.80	1202.81	7.76	1202.85	7.48	1203.13
TW-6D	Deep	1210.36 ⁽⁵⁾	7.01	1203.35	7.49	1202.87	6.70	1203.66	5.13	1205.23	7.50	1202.86	7.46	1202.90	7.23	1203.13
TW-7S	Shallow	1213.48	8.83	1204.65	8.50	1204.98	8.70	1204.78	6.88	1206.60	9.35	1204.13	9.36	1204.12	8.91	1204.57
TW-7I	Intermediate	1213.60	9.33	1204.27	9.85	1203.75	9.02	1204.58	7.30	1206.30	9.80	1203.80	9.74	1203.86	9.59	1204.01
TW-7D	Deep	1213.25	9.05	1204.20	9.68	1203.57	8.85	1204.40	7.09	1206.16	9.50	1203.75	9.50	1203.75	9.39	1203.86
TW-9I	Intermediate	1213.75 ⁽⁴⁾	9.80	1203.95	10.58	1203.17	9.54	1204.21	7.97	1205.78	10.45	1203.30	10.34	1203.41	10.30	1203.45
TW-9D	Deep	1213.84 ⁽⁴⁾	10.11	1203.73	10.78	1203.06	9.93	1203.91	8.30	1205.54	10.79	1203.05	10.90	1202.94	10.81	1203.03
TW-10D	Deep	1209.58 ⁽⁵⁾	6.45	1203.13	6.94	1202.64	6.21	1203.37	4.70	1204.88	6.89	1202.69	6.85	1202.73	-	-
TW-12I	Intermediate	-	-	-	7.88	-	7.10	-	6.09	-	7.66	-	7.51	-	8.05	-
TW-12D	Deep	-	-	-	7.90	-	7.13	-	6.03	-	7.68	-	8.20	-	8.71	-
TW-14S	Shallow	1210.05 ⁽²⁾	6.46	1203.59	6.79	1203.26	6.04	1204.01	4.58	1205.47	6.88	1203.17	6.80	1203.25	6.39	1203.66
TW-14I	Intermediate	1210.17 ⁽²⁾	6.95	1203.22	7.29	1202.88	6.25	1203.92	5.08	1205.09	7.36	1202.81	7.30	1202.87	7.03	1203.14
TW-14D	Deep	1209.98 ⁽²⁾	6.64	1203.34	7.05	1202.93	6.26	1203.72	4.70	1205.28	7.13	1202.85	7.16	1202.82	6.81	1203.17
TW-15	Intermediate	1212.94 ⁽²⁾	9.94	1203.00	9.72	1203.22	9.11	1203.83	4.52	1208.42	9.86	1203.08	9.85	1203.09	9.33	1203.61

Notes:

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

Table 4-2
RECOVERY WELL WATER LEVEL DATA
GLADDING CORDAGE
SOUTH OTSELIC, NEW YORK
NYSDEC SITE No. 7-09-009

Recovery Well ID	Top of Casing Elevation ft amsl	Transducer Cable Length ft	Transducer Elevation ft amsl	10/29/2013		4/21/2015		9/12/2016		10/25/2017		3/12/2019	
				Pumping Level ft above transducer	Elevation ft amsl	Pumping Level ft above transducer	Elevation ft amsl	Pumping Level ft above transducer	Elevation ft amsl	Pumping Level ft above transducer	Elevation ft amsl	Pumping Level ft above transducer	Elevation ft amsl
RW-1	1209.30	40	1169.30	33.04	1202.34	35.49	1204.79	31.37	1200.67	29.46	1198.76	30.21	1199.51
RW-2	1212.20	65	1147.20	54.94	1202.14	57.46	1204.66	55.36	1202.56	54.92	1202.12	55.01	1202.21

Notes:

Top of casing elevation from: Operation and Maintenance Manual, Volume I, Gladding Cordage

Site, TAMS Consulting, Inc., 1996.

ft amsl - feet above mean sea level

Pumping level from instrument control panel reading

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

Sample ID Sampling Date Matrix Units	NYSDEC Class GA Standard ug/L	TW-1 6/25/2009 WATER ug/L	TW-2S 6/25/2009 WATER ug/L	TW-2I 6/25/2009 WATER ug/L	TW-2D 6/25/2009 WATER ug/L	TW-3S 9/6/2007 WATER ug/L	TW-3S 10/17/2008 WATER ug/L	TW-3S 6/25/2009 WATER ug/L	TW-3S 3/23/2010 WATER ug/L	TW-3S 6/21/2011 WATER ug/L	TW-3S 7/24/2012 WATER ug/L	TW-3S 10/29/2013 WATER ug/L	TW-3S 5/6/2015 WATER ug/L	TW-3S 9/30/2016 WATER ug/L	TW-3S 10/26/2017 WATER ug/L	TW-3S 3/26/2019 WATER ug/L
VOCs																
1,1,1-Trichloroethane	5	0.4 U	0.4 U	1.4	0.4 U	0.32 U	3.4	0.4 U	6.2	4	2	2.9	2	2.1	1.1 J	0.69 J
1,1-Dichloroethane	*	0.36 U	0.36 U	0.36 U	0.36 U	0.38 U	1 U	0.36 U	1 U	1 U	0.5 U	2 U	2 U	1 U	1.3 J	2 U
1,1-Dichloroethene	5	0.47 U	0.47 U	0.47 U	0.47 U	0.42 U	1 U	0.47 U	1 U	1 U	0.5 U	2 U	2 U	1 U	2 U	2 U
1,4-Dichlorobenzene	3	0.32 U	0.32 U	0.32 U	0.32 U	0.54 U	1 U	0.32 U	1 U	1 U	0.5 U	2 U	2 U	1 U	0.16 J	2 U
2-Butanone	50	1.3 U	1.3 U	1.3 U	1.3 U	1.1 U	5 U	1.3 U	5 U	5 U	1.4 J			20 U		
Acetone	50	10	11	9.5	19	2.3 U	5 U	13	14	64	12			50 U		
Benzene	1	0.32 U	0.32 U	0.32 U	0.32 U	0.39 U	1 U	0.32 U	1.1	1 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	0.62 U	0.62 U	0.62 U	0.62 U	1.1 U	1 U	0.62 U	1 U	1 U	0.5 U	2 U	2 U	5 U	2 U	2 U
Chloroethane	5	0.66 U	0.66 U	0.66 U	0.66 U	0.83 U	1 U	0.66 U	1 U	1 U	0.5 U	2 U	2 U	2 U	2 U	2 U
Chloroform	7	0.34 U	0.34 U	0.34 U	0.34 U	0.33 U	1 U	0.34 U	1 U	1 U	0.5 U	2 U	2 U	2 U	2 U	2 U
Chloromethane		0.54 U	0.54 U	0.54 U	0.54 U	0.34 U	1 U	0.54 U	1 U	1 U	0.41 J	2 U	2 U	2 U	2 U	2 U
cis-1,2-Dichloroethene	5	0.35 U	0.35 U	0.35 U	0.35 U	0.29 U	1 U	0.35 U	1 U	1 U	0.5 U			1 U		
Tetrachloroethene	5	0.27 U	0.27 U	0.27 U	0.27 U	0.48 U	1 U	0.27 U	1 U	1 U	0.5 U	2 U	2 U	1 U	2 U	2 U
Toluene	5	0.37 U	0.37 U	0.37 U	0.37 U	0.36 U	1 U	0.37 U	1 U	1 U	0.5 U	1 U	0.10 J	1 U	1 U	1 U
Trichloroethene	5	0.28 U	0.28 U	0.28 U	0.28 U	0.46 U	1 U	0.28 U	1 U	1 U	0.5 U	2 U	2 U	1 U	2 U	2 U

Notes

- Concentration exceeds corresponding
NYSDEC Class GA Standard.

* - NYSDEC Principal Organic Contaminant Standard
of 5 ug/l applies to this compound.

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

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

D - Sample dilluted

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

Blank space indicates sample not analyzed for that compound

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

Sample ID Sampling Date Matrix Units	NYSDEC Class GA Standard ug/L	TW-3I 9/6/2007 WATER ug/L	TW-3I 10/17/2008 WATER ug/L	TW-3I 6/25/2009 WATER ug/L	TW-3I 3/23/2010 WATER ug/L	TW-3I 6/21/2011 WATER ug/L	TW-3I 7/24/2012 WATER ug/L	TW-3I 10/29/2013 WATER ug/L	TW-3I 5/6/2015 WATER ug/L	TW-3I 9/30/2016 WATER ug/L	TW-3I 10/25/2017 WATER ug/L	TW-3I 3/26/2019 WATER ug/L	TW-3D 9/6/2007 WATER ug/L	TW-3D 10/17/2008 WATER ug/L	TW-3D 6/25/2009 WATER ug/L	TW-3D 3/23/2010 WATER ug/L
VOCs																
1,1,1-Trichloroethane	5	9.1	6.7	0.4 U	1 U	1 U	5	6.1	3.6	4.7	0.98 J	1.79 J	0.32 U	1.3	1.4	1 U
1,1-Dichloroethane	*	0.38 U	1 U	0.36 U	1 U	1 U	0.5 U	2 U	2 U	1 U	2 U	2 U	0.38 U	1 U	0.36 U	1 U
1,1-Dichloroethene	5	0.42 U	1 U	0.47 U	1 U	1 U	0.5 U	2 U	2 U	1 U	2 U	2 U	0.42 U	1 U	0.47 U	1 U
1,4-Dichlorobenzene	3	0.54 U	1 U	0.32 U	1 U	1 U	0.5 U	2 U	11 U	1 U	1 U	2 U	0.54 U	1 U	0.32 U	1 U
2-Butanone	50	1.1 U	5 U	1.3 U	5 U	5 U	2.6 J			20 U			1.1 U	5 U	1.3 U	5 U
Acetone	50	2.3 U	5 U	16	13	6	14			50 U			2.3 U	5 U	11	13
Benzene	1	0.39 U	1 U	0.32 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	1 U	0.39 U	1 U	0.32 U	0.76 J
Carbon Tetrachloride	5	1.1 U	1 U	0.62 U	1 U	1 U	0.5 U	2 U	2 U	5 U	2 U	2 U	1.1 U	1 U	0.62 U	1 U
Chloroethane	5	0.83 U	1 U	0.66 U	1 U	1 U	0.5 U	2 U	2 U	2 U	2 U	2 U	0.83 U	1 U	0.66 U	1 U
Chloroform	7	0.33 U	1 U	0.34 U	1 U	1 U	0.5 U	2 U	2 U	2 U	2 U	2 U	0.33 U	1 U	0.34 U	1 U
Chloromethane		0.34 U	1 U	0.54 U	1 U	1 U	0.5 U	2 U	2 U	2 U	2 U	2 U	0.34 U	1 U	0.54 U	1 U
cis-1,2-Dichloroethene	5	0.29 U	1 U	0.35 U	1 U	1 U	0.5 U			1 U		2 U	0.29 U	1 U	0.35 U	1 U
Tetrachloroethene	5	0.48 U	1 U	0.27 U	1 U	1 U	0.5 U	2 U	2 U	1 U	2 U	2 U	0.48 U	1 U	0.27 U	1 U
Toluene	5	0.36 U	1 U	0.37 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	1 U	0.36 U	1 U	0.37 U	1 U
Trichloroethene	5	0.46 U	1 U	0.28 U	1 U	1 U	0.5 U	2 U	2 U	1 U	2 U	2 U	0.46 U	1 U	0.28 U	1 U

Notes

- Concentration exceeds corresponding
NYSDEC Class GA Standard.

* - NYSDEC Principal Organic Contaminant Standard
of 5 ug/l applies to this compound.

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

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

D - Sample dilluted

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

Blank space indicates sample not analyzed for that compound

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

Sample ID Sampling Date Matrix Units	NYSDEC Class GA Standard ug/L	TW-3D 6/21/2011 WATER ug/L	TW-3D 7/24/2012 WATER ug/L	TW-3D 10/29/2013 WATER ug/L	TW-3D 5/6/2015 WATER ug/L	TW-3D 9/30/2016 WATER ug/L	TW-3D 10/26/2017 WATER ug/L	TW-3D 3/26/2019 WATER ug/L	TW-4I 9/6/2007 WATER ug/L	TW-4I 10/17/2008 WATER ug/L	TW-4I 6/25/2009 WATER ug/L	TW-4I 3/23/2010 WATER ug/L	TW-4I 6/21/2011 WATER ug/L	TW-4I 7/24/2012 WATER ug/L	TW-4I 10/29/2013 WATER ug/L	TW-4I 5/6/2015 WATER ug/L
VOCs																
1,1,1-Trichloroethane	5	1 U	1.2	2 U	0.96 J	1 U	0.84 J	0.57 J	6.6	1.1	0.4 U	23	33	28	23	20
1,1-Dichloroethane	*	1 U	0.5 U	2 U	2 U	1 U	2 U	2 U	0.38 U	3.8	3.8	2.5	5.3	4.4	4.4	4.1
1,1-Dichloroethene	5	1 U	0.5 U	2 U	2 U	1 U	2 U	2 U	0.42 U	1 U	0.47 U	1 U	1.6	0.5 U	2 U	0.3 J
1,4-Dichlorobenzene	3	1 U	0.5 U	2 U	2 U	1 U	1 U	2 U	0.54 U	1 U	0.32 U	1 U	1 U	0.5 U	2 U	2
2-Butanone	50	5 U	2.7 J			20 U			1.1 U	5 U	1.3 U	5 U	5 U	2.2 J		
Acetone	50	9.5	17			50 U			2.3 U	5 U	16	18	20	15		
Benzene	1	1.9	0.67 J	1 U	1.9	1 U	1 U	1 U	0.39 U	1 U	0.32 U	1 U	1 U	0.5 U	1 U	0.15 J
Carbon Tetrachloride	5	1 U	0.5 U	2 U	2 U	5 U	2 U	2 U	1.1 U	1 U	0.62 U	1 U	1 U	0.5 U	2 U	2 U
Chloroethane	5	1 U	0.5 U	2 U	2 U	2 U	2 U	2 U	0.83 U	1 U	0.66 U	1 U	2.5	2.8	2.3	1.7 J
Chloroform	7	1 U	0.5 U	2 U	2 U	2 U	2 U	2 U	0.33 U	1 U	0.34 U	1 U	1 U	0.5 U	2 U	2 U
Chloromethane		1 U	0.5 U	2 U	2 U	2 U	2 U	2 U	0.34 U	1 U	0.54 U	1 U	1 U	0.5 U	2 U	2 U
cis-1,2-Dichloroethene	5	1 U	0.5 U			1 U			0.29 U	1 U	0.35 U	1 U	1 U	0.5 U		
Tetrachloroethene	5	1 U	0.5 U	2 U	2 U	1 U	2 U	2 U	0.48 U	1 U	0.27 U	1 U	1 U	0.5 U	2 U	2 U
Toluene	5	1 U	0.5 U	1 U	0.11 J	1 U	1 U	1 U	0.36 U	1 U	0.37 U	1 U	1 U	0.5 U	1 U	0.11 J
Trichloroethene	5	1 U	0.5 U	2 U	2 U	1 U	2 U	2 U	0.46 U	1 U	0.28 U	1 U	1 U	0.5 U	2 U	2 U

Notes

- Concentration exceeds corresponding
NYSDEC Class GA Standard.

* - NYSDEC Principal Organic Contaminant Standard
of 5 ug/l applies to this compound.

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

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

D - Sample dilluted

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

Blank space indicates sample not analyzed for that compound

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

Sample ID Sampling Date Matrix Units	NYSDEC Class GA Standard ug/L	TW-4I 9/30/2016 WATER ug/L	TW-4I 10/25/2017 WATER ug/L	TW-4I 3/26/2019 WATER ug/L	TW-5S 9/6/2007 WATER ug/L	TW-5S 10/17/2008 WATER ug/L	TW-5S 6/25/2009 WATER ug/L	TW-5S 3/23/2010 WATER ug/L	TW-5S 6/21/2011 WATER ug/L	TW-5S 7/24/2012 WATER ug/L	TW-5S 10/29/2013 WATER ug/L	TW-5S 5/8/2015 WATER ug/L	TW-5S 9/30/2016 WATER ug/L	TW-5S 10/25/2017 WATER ug/L	TW-5S 3/26/2019 WATER ug/L	TW-5I 9/6/2007 WATER ug/L
VOCs																
1,1,1-Trichloroethane	5	20	19	16.7	0.32 U	11	13	7.4	7.9	11	7.9	2 J	7.1	13	3.29	4.8 J
1,1-Dichloroethane	*	4.6	6.2	3.63	0.38 U	1 U	0.48 J	1 U	1 U	0.5 U	2 U	2 U	1 U	1.2 J	2 U	0.38 U
1,1-Dichloroethene	5	1 U	0.31 J	2 U	0.42 U	1 U	0.47 U	1 U	1 U	0.5 U	2 U	2 U	1 U	2 U	2 U	0.42 U
1,4-Dichlorobenzene	3	1 U	2 U	2 U	0.54 U	1 U	0.32 U	1 U	1 U	0.5 U	2 U	2 U	1 U	2 U	2 U	0.54 U
2-Butanone	50	20 U			1.1 U	5 U	1.3 U	5 U	5 U	2.7 J			20 U			1.1 U
Acetone	50	50 U			2.3 U	5 U	9.2	18	5 U	14			50 U			2.3 U
Benzene	1	1 U	1 U	1 U	0.39 U	1 U	0.32 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	1 U	6.2
Carbon Tetrachloride	5	5 U	2 U	2 U	1.1 U	1 U	0.62 U	1 U	1 U	0.5 U	2 U	2 U	5 U	2 U	2 U	1.1 U
Chloroethane	5	2 U	2 J	2 U	0.83 U	1 U	0.66 U	1 U	1 U	0.5 U	2 U	2 U	2 U	2 U	2 U	0.83 U
Chloroform	7	2 U	2 U	2 U	0.33 U	1 U	0.34 U	1 U	1 U	0.5 U	2 U	2 U	2 U	2 U	2 U	0.33 U
Chloromethane		2 U	2 U	2 U	0.34 U	1 U	0.54 U	1 U	1 U	0.5 U	2 U	2 U	2 U	2 U	2 U	0.34 U
cis-1,2-Dichloroethene	5	1 U			0.29 U	1 U	0.35 U	1 U	1 U	0.5 U			1 U			0.29 U
Tetrachloroethene	5	1 U	2 U	2 U	0.48 U	1 U	0.27 U	1 U	1 U	0.5 U	2 U	2 U	1 U	2 U	2 U	0.48 U
Toluene	5	1 U	1 U	1 U	0.36 U	1 U	0.37 U	1 U	1 U	0.5 U	1 U	0.16 J	1 U	1 U	1 U	0.36 U
Trichloroethene	5	1 U	2 U	2 U	0.46 U	1 U	0.28 U	1 U	1 U	0.5 U	2 U	2 U	1 U	2 U	2 U	0.46 U

Notes

- Concentration exceeds corresponding
NYSDEC Class GA Standard.

* - NYSDEC Principal Organic Contaminant Standard
of 5 ug/l applies to this compound.

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

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

D - Sample dilluted

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

Blank space indicates sample not analyzed for that compound

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

Sample ID Sampling Date Matrix Units	NYSDEC Class GA Standard ug/L	TW-5I 10/17/2008 WATER ug/L	TW-5I 6/25/2009 WATER ug/L	TW-5I 3/23/2010 WATER ug/L	TW-5I 6/21/2011 WATER ug/L	TW-5I 7/24/2012 WATER ug/L	TW-5I 10/29/2013 WATER ug/L	TW-5I 5/6/2015 WATER ug/L	TW-5I 9/30/2016 WATER ug/L	TW-5I 10/26/2017 WATER ug/L	TW-5I 3/26/2019 WATER ug/L	TW-5D 9/6/2007 WATER ug/L	TW-5D 10/17/2008 WATER ug/L	TW-5D 6/25/2009 WATER ug/L	TW-5D 3/23/2010 WATER ug/L	TW-5D 6/21/2011 WATER ug/L
VOCs																
1,1,1-Trichloroethane	5	8.8	90	8.6	5.5	4.3	4.1	9.6	3.2	4	1.39 J	41	28	32	28	25
1,1-Dichloroethane	*	1	3.5	2.3	1.7	0.5 U	2 U	0.47 J	1 U	0.81 J	0.19 J	0.38 U	1 U	0.36 U	1 U	1 U
1,1-Dichloroethene	5	1 U	0.47 U	1 U	1 U	0.5 U	2 U	0.22 J	1 U	2 U	2 U	0.42 U	1 U	0.47 U	1 U	1.3
1,4-Dichlorobenzene	3	1 U	0.32 U	1 U	1 U	0.5 U	2 U	2 U	1 U	2 U	2 U	0.54 U	1 U	0.32 U	1 U	1 U
2-Butanone	50	5 U	1.3 U	5 U	5 U	2.3 J			20 U			1.1 U	5 U	1.3 U	5 U	5 U
Acetone	50	5 U	13	15	18	14			50 U			2.3 U	5 U	20	17	41
Benzene	1	3.5	0.32 U	32	1 U	4.8	1.9	4.7	1.2	4.8	0.27 J	0.39 U	1 U	0.32 U	1 U	1 U
Carbon Tetrachloride	5	1 U	0.62 U	1 U	1 U	0.5 U	2 U	2 U	5 U	2 U	2 U	1.1 U	1 U	0.62 U	1 U	1 U
Chloroethane	5	1 U	0.66 U	1 U	1 U	0.5 U	2 U	2 U	2 U	2 U	2 U	0.83 U	1 U	0.66 U	1 U	1 U
Chloroform	7	1 U	0.34 U	1 U	1 U	0.5 U	2 U	2 U	2 U	2 U	2 U	0.33 U	1 U	0.34 U	1 U	1 U
Chloromethane		1 U	0.54 U	1 U	1 U	0.43 J	2 U	2 U	2 U	2 U	2 U	0.34 U	1 U	0.54 U	1 U	1 U
cis-1,2-Dichloroethene	5	1 U	0.35 U	1 U	1 U	0.5 U			1 U			0.29 U	1 U	0.35 U	1 U	1 U
Tetrachloroethene	5	1 U	0.27 U	1 U	1 U	0.5 U	2 U	2 U	1 U	2 U	2 U	0.48 U	1 U	0.27 U	1 U	1 U
Toluene	5	1 U	0.37 U	0.63 J	1 U	0.44 J	1 U	0.17 J	1 U	1 U	1 U	0.36 U	1 U	0.37 U	1 U	1 U
Trichloroethene	5	1 U	0.28 U	1 U	1 U	0.5 U	2 U	2 U	1 U	2 U	2 U	0.46 U	1 U	0.28 U	1 U	1 U

Notes

- Concentration exceeds corresponding
NYSDEC Class GA Standard.

* - NYSDEC Principal Organic Contaminant Standard
of 5 ug/l applies to this compound.

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

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

D - Sample dilluted

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

Blank space indicates sample not analyzed for that compound

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

Sample ID Sampling Date Matrix Units	NYSDEC Class GA Standard ug/L	TW-5D 7/24/2012 WATER ug/L	TW-5D 10/29/2013 WATER ug/L	TW-5D 5/6/2015 WATER ug/L	TW-5D 9/30/2016 WATER ug/L	TW-5D 10/26/2017 WATER ug/L	TW-5D 3/26/2019 WATER ug/L	TW-6S 9/6/2007 WATER ug/L	TW-6S 10/17/2008 WATER ug/L	TW-6S 6/25/2009 WATER ug/L	TW-6S 3/23/2010 WATER ug/L	TW-6S 6/21/2011 WATER ug/L	TW-6S 7/24/2012 WATER ug/L	TW-6S 10/29/2013 WATER ug/L	TW-6S 5/6/2015 WATER ug/L	TW-6S 9/30/2016 WATER ug/L
VOCs																
1,1,1-Trichloroethane	5	28	39	18	3.2	17	15.6	0.32 U	0.53 J	0.4 U	1 U	1 U	0.5 U	2 U	2 U	1 U
1,1-Dichloroethane	*	0.5 U	2 U	2 U	1 U	0.26 J	2 U	0.38 U	1 U	0.36 U	1 U	1 U	0.5 U	2 U	2 U	1 U
1,1-Dichloroethene	5	0.5 U	2 U	0.29 J	1 U	0.45 J	2 U	0.42 U	1 U	0.47 U	1 U	1 U	0.5 U	2 U	2 U	1 U
1,4-Dichlorobenzene	3	0.5 U	2 U	2 U	1 U	2 U	2 U	0.54 U	1 U	0.32 U	1 U	1 U	0.5 U	2 U	2 U	1 U
2-Butanone	50	2.1 J			20 U			1.1 U	5 U	1.3 U	5 U	5 U	2.3 J			20 U
Acetone	50	14			50 U			2.3 U	5 U	11	15	17	12			50 U
Benzene	1	0.5 U	1 U	1 U	1 U	2.8	1 U	0.39 U	1 U	0.32 U	1 U	1 U	0.5 U	1 U	1 U	1 U
Carbon Tetrachloride	5	0.5 U	2 U	2 U	5 U	2 U	2 U	1.1 U	1 U	0.62 U	1 U	1 U	0.5 U	2 U	2 U	5 U
Chloroethane	5	0.5 U	2 U	2 U	2 U	2 U	2 U	0.83 U	1 U	0.66 U	1 U	1 U	0.5 U	2 U	2 U	2 U
Chloroform	7	0.5 U	2 U	2 U	2 U	2 U	2 U	0.33 U	1.6	1	1.1	1.2	4.7	8.6	1.4 J	3.0
Chloromethane		0.5 U	2 U	2 U	2 U	2 U	2 U	0.34 U	1 U	0.54 U	1 U	1 U	0.5 U	2 U	2 U	2 U
cis-1,2-Dichloroethene	5	0.5 U			1 U			0.29 U	1 U	0.35 U	1 U	1 U	0.5 U			1 U
Tetrachloroethene	5	0.5 U	2 U	2 U	1 U	2 U	2 U	0.48 U	1 U	0.27 U	1 U	1 U	0.5 U	2 U	2 U	1 U
Toluene	5	0.5 U	1 U	0.12 J	1 U	1 U	1 U	0.36 U	1 U	0.37 U	1 U	1 U	0.5 U	1 U	1 U	1 U
Trichloroethene	5	0.5 U	2 U	2 U	1 U	2 U	2 U	0.46 U	1 U	0.28 U	1 U	1 U	0.5 U	2 U	2 U	1 U

Notes

- Concentration exceeds corresponding
NYSDEC Class GA Standard.

* - NYSDEC Principal Organic Contaminant Standard
of 5 ug/l applies to this compound.

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

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

D - Sample dilluted

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

Blank space indicates sample not analyzed for that compound

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

Sample ID Sampling Date Matrix Units	NYSDEC Class GA Standard ug/L	TW-6S 10/24/2017 WATER ug/L	TW-6S 3/26/219 WATER ug/L	TW-6I 9/6/2007 WATER ug/L	TW-6I 10/17/2008 WATER ug/L	TW-6I 6/25/2009 WATER ug/L	TW-6I 3/23/2010 WATER ug/L	TW-6I 6/21/2011 WATER ug/L	TW-6I 7/24/2012 WATER ug/L	TW-6I 10/29/2013 WATER ug/L	TW-6I 5/6/2015 WATER ug/L	TW-6I 9/30/2016 WATER ug/L	TW-6I 10/24/2017 WATER ug/L	TW-6I 3/26/2019 WATER ug/L
VOCs														
1,1,1-Trichloroethane	5	2 U	2 U	0.32 U	1.3	0.4 U	1 U	1 U	3.2	2.2	2.4	1 U	0.54 J	0.43 J
1,1-Dichloroethane	*	2 U	2 U	0.38 U	1 U	0.36 U	1 U	1 U	0.5 U	2 U	2 U	1 U	2 U	2 U
1,1-Dichloroethene	5	2 U	2 U	0.42 U	1 U	0.47 U	1 U	1 U	0.5 U	2 U	2 U	1 U	2 U	2 U
1,4-Dichlorobenzene	3	2 U	2 U	0.54 U	1 U	0.32 U	1 U	1 U	0.5 U	2 U	2 U	1 U	2 U	2 U
2-Butanone	50			1.1 U	5 U	1.3 U	5 U	5 U	2.1 J			20 U		
Acetone	50			2.3 U	4.4 J	11	18	14	16			50 U		
Benzene	1	1 U	1 U	0.39 U	1 U	0.32 U	0.99 J	1.1	0.5 U	1 U	1.5	2.5	1 U	1 U
Carbon Tetrachloride	5	2 U	2 U	1.1 U	1 U	0.62 U	1 U	1 U	0.5 U	2 U	2 U	5 U	2 U	2 U
Chloroethane	5	2 U	2 U	0.83 U	1 U	0.66 U	1 U	1 U	0.5 U	2 U	2 U	2 U	2 U	2 U
Chloroform	7	2.2	3.02	0.33 U	1 U	0.34 U	1 U	1 U	0.5 U	2 U	2 U	2 U	2 U	2 U
Chloromethane		2 U	2 U	0.34 U	1 U	0.54 U	1 U	1 U	0.5 U	2 U	2 U	2 U	2 U	2 U
cis-1,2-Dichloroethene	5			0.29 U	4.1	0.35 U	1 U	1 U	0.5 U			1 U		
Tetrachloroethene	5	2 U	2 U	0.48 U	2.4	0.27 U	1 U	1 U	0.5 U	2 U	2 U	1 U	2 U	2 U
Toluene	5	1 U	1 U	0.36 U	1 U	0.37 U	1 U	1 U	0.5 U	1 U	0.15 J	1 U	0.18 J	1 U
Trichloroethene	5	2 U	2 U	0.46 U	1.2	0.28 U	1 U	1 U	0.5 U	2 U	2 U	1 U	2 U	2 U

Notes

- Concentration exceeds corresponding
NYSDEC Class GA Standard.

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

Blank space indicates sample not analyzed for that compound

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

Sample ID Sampling Date Matrix Units	NYSDEC Class GA Standard ug/L	TW-6D 9/6/2007 WATER ug/L	TW-6D 10/17/2008 WATER ug/L	TW-6D 6/25/2009 WATER ug/L	TW-6D 3/23/2010 WATER ug/L	TW-6D 6/21/2011 WATER ug/L	TW-6D 7/24/2012 WATER ug/L	TW-6D 10/29/2013 WATER ug/L	TW-6D 5/6/2015 WATER ug/L	TW-6D 9/30/2016 WATER ug/L	TW-6D 10/24/2017 WATER ug/L	TW-6D 3/26/2019 WATER ug/L
VOCs												
1,1,1-Trichloroethane	5	0.32 U	1 U	0.4 U	1 U	1 U	0.5 U	2 U	2 U	1 U	2 U	2 U
1,1-Dichloroethane	*	0.38 U	1 U	0.36 U	1 U	1 U	0.5 U	2 U	2 U	1 U	2 U	2 U
1,1-Dichloroethene	5	0.42 U	1 U	0.47 U	1 U	1 U	0.5 U	2 U	2 U	1 U	2 U	2 U
1,4-Dichlorobenzene	3	0.54 U	1 U	0.32 U	1 U	1 U	0.5 U	2 U	2 U	1 U	1 U	2 U
2-Butanone	50	1.1 U	5 U	1.3 U	5 U	5 U	1.9 J			20 U		
Acetone	50	2.3 U	5 U	21	9.5	16	13			50 U		
Benzene	1	0.39 U	1 U	1	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	1.1 U	1 U	0.62 U	1 U	1 U	0.5 U	2 U	2 U	5 U	2 U	2 U
Chloroethane	5	0.83 U	1 U	0.66 U	1 U	1 U	0.5 U	2 U	2 U	2 U	2 U	2 U
Chloroform	7	0.33 U	1 U	0.34 U	1 U	1 U	0.5 U	2 U	2 U	2 U	2 U	2 U
Chloromethane		0.34 U	1 U	0.54 U	1 U	1 U	0.5 U	2 U	2 U	2 U	2 U	2 U
cis-1,2-Dichloroethene	5	0.29 U	1 U	0.35 U	1 U	1 U	0.5 U			1 U		
Tetrachloroethene	5	0.48 U	1 U	0.27 U	1 U	1 U	0.5 U	2 U	2 U	1 U	2 U	2 U
Toluene	5	0.36 U	1 U	0.37 U	1 U	1 U	0.5 U	1 U	0.11 J	1 U	1 U	1 U
Trichloroethene	5	0.46 U	1 U	0.28 U	1 U	1 U	0.5 U	2 U	2 U	1 U	2 U	2 U

Notes

 - Concentration exceeds corresponding
NYSDEC Class GA Standard.

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of 5 ug/l applies to this compound.

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Concentration is estimated for TICS.

D - Sample dilluted

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

Blank space indicates sample not analyzed for that compound

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

Sample ID Sampling Date Matrix Units	NYSDEC Class GA Standard ug/L	TW-7S 9/6/2007 WATER ug/L	TW-7S 10/17/2008 WATER ug/L	TW-7S 6/25/2009 WATER ug/L	TW-7S 3/23/2010 WATER ug/L	TW-7S 6/21/2011 WATER ug/L	TW-7S 7/24/2012 WATER ug/L	TW-7S 10/29/2013 WATER ug/L	TW-7S 5/6/2015 WATER ug/L	TW-7S 9/30/2016 WATER ug/L	TW-7S 10/24/2017 WATER ug/L	TW-7S 3/26/2019 WATER ug/L	TW-7I 9/6/2007 WATER ug/L	TW-7I 10/17/2008 WATER ug/L	TW-7I 6/25/2009 WATER ug/L	TW-7I 3/23/2010 WATER ug/L
VOCS																
1,1,1-Trichloroethane	5	8.2	18	7.8	6.8	5	11	12	5.1	6.6	6.8	3.86	0.32 U	1.5	0.4 U	2.2
1,1-Dichloroethane	*	0.38 U	1 U	0.36 U	1 U	1 U	0.5 U	2 U	2 U	1 U	2 U	2 U	0.38 U	1 U	0.36 U	1 U
1,1-Dichloroethene	5	0.42 U	1 U	0.47 U	1 U	1 U	0.5 U	2 U	2 U	1 U	2 U	2 U	0.42 U	1 U	0.47 U	1 U
2-Butanone	50	1.1 U	5 U	1.3 U	5 U	5 U	2.9 J			20 U			1.1 U	5 U	1.3 U	5 U
Acetone	50	2.3 U	3.3 J	22	12	19	15			50 U			2.3 U	5 U	15	17
Benzene	1	0.39 U	1 U	0.32 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	1 U	0.39 U	1 U	0.32 U	1 U
Carbon Tetrachloride	5	1.1 U	2.6	0.62 U	1 U	1 U	0.5 U	2 U	2 U	5 U	2 U	2 U	1.1 U	1 U	0.62 U	1 U
Chloroethane	5	0.83 U	1 U	0.66 U	1 U	1 U	0.5 U	2 U	2 U	2 U	2 U	2 U	0.83 U	1 U	0.66 U	1 U
Chloroform	7	0.33 U	1 U	0.34 U	1 U	1 U	0.5 U	2 U	2 U	2 U	2 U	2 U	0.33 U	1 U	0.34 U	1 U
Chloromethane		0.34 U	1 U	0.54 U	1 U	1 U	0.5 U	2 U	2 U	2 U	2 U	2 U	0.34 U	1 U	0.54 U	1 U
cis-1,2-Dichloroethene	5	0.29 U	1 U	0.35 U	1 U	1 U	0.5 U			1 U			0.29 U	1 U	0.35 U	1 U
Tetrachloroethene	5	0.48 U	1 U	0.27 U	1 U	1 U	0.5 U	2 U	2 U	1 U	2 U	2 U	0.48 U	1 U	0.27 U	1 U
Toluene	5	0.36 U	1 U	0.37 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	1 U	0.36 U	1 U	0.37 U	1 U
Trichloroethene	5	0.46 U	1 U	0.28 U	1 U	1 U	0.5 U	2 U	2 U	1 U	2 U	2 U	0.46 U	1 U	0.28 U	1 U

Notes

- Concentration exceeds corresponding
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Blank space indicates sample not analyzed for that compound

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

Sample ID Sampling Date Matrix Units	NYSDEC Class GA Standard ug/L	TW-7I 6/21/2011 WATER ug/L	TW-7I 7/24/2012 WATER ug/L	TW-7I 10/29/2013 WATER ug/L	TW-7I 5/6/2015 WATER ug/L	TW-7I 9/30/2016 WATER ug/L	TW-7I 10/24/2017 WATER ug/L	TW-7I 3/26/2019 WATER ug/L	TW-7D 9/6/2007 WATER ug/L	TW-7D 10/17/2008 WATER ug/L	TW-7D 6/25/2009 WATER ug/L	TW-7D 3/23/2010 WATER ug/L	TW-7D 6/21/2011 WATER ug/L	TW-7D 7/24/2012 WATER ug/L	TW-7D 10/29/2013 WATER ug/L	TW-7D 5/6/2015 WATER ug/L
VOCS																
1,1,1-Trichloroethane	5	0.69 J	1.6	2 U	1.1 J	1.1	1.4 J	0.94 J	21	3.8	9.1	5.2	4.5	4.4	5.9	10
1,1-Dichloroethane	*	1 U	0.5 U	2 U	2 U	1 U	2 U	2 U	0.38 U	1 U	0.36 U	1 U	1 U	0.5 U	2 U	2 U
1,1-Dichloroethene	5	1 U	0.5 U	2 U	2 U	1 U	2 U	2 U	4.8 J	1 U	0.47 U	1 U	1 U	0.5 U	2 U	2 U
2-Butanone	50	5 U	1.8 J			20 U			1.1 U	5 U	1.3 U	5 U	5 U	2.4 J		
Acetone	50	21	11			50 U			2.3 U	5 U	17	18	14	13		
Benzene	1	1 U	0.5 U	1 U	1 U	1 U	1 U	1 U	0.39 U	1 U	0.32 U	1 U	1 U	0.5 U	1 U	1 U
Carbon Tetrachloride	5	1 U	0.5 U	2 U	2 U	5 U	2 U	2 U	1.1 U	1 U	0.62 U	1 U	1 U	0.5 U	2 U	2 U
Chloroethane	5	1 U	0.5 U	2 U	2 U	2 U	2 U	2 U	0.83 U	1 U	0.66 U	1 U	1 U	0.5 U	2 U	2 U
Chloroform	7	1 U	0.5 U	2 U	2 U	2 U	2 U	2 U	0.33 U	1 U	0.34 U	1 U	1 U	0.5 U	2 U	2 U
Chloromethane		1 U	0.5 U	2 U	2 U	2 U	2 U	2 U	0.34 U	1 U	0.54 U	1 U	1 U	0.5 U	2 U	2 U
cis-1,2-Dichloroethene	5	1 U	0.5 U			1 U			0.29 U	1 U	0.35 U	1 U	1 U	0.5 U		
Tetrachloroethene	5	1 U	0.5 U	2 U	2 U	1 U	2 U	2 U	0.48 U	1 U	0.27 U	1 U	1 U	0.5 U	2 U	2 U
Toluene	5	1 U	0.5 U	1 U	0.11 J	1 U	1 U	1 U	0.36 U	1 U	0.37 U	1 U	1 U	0.5 U	1 U	1 U
Trichloroethene	5	1 U	0.5 U	2 U	2 U	1 U	2 U	2 U	0.46 U	1 U	0.28 U	1 U	1 U	0.5 U	2 U	2 U

Notes

- Concentration exceeds corresponding
NYSDEC Class GA Standard.

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

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

Sample ID Sampling Date Matrix Units	NYSDEC Class GA Standard ug/L	TW-7D 9/30/2016 WATER ug/L	TW-7D 10/26/2017 WATER ug/L	TW-7D 3/26/219 WATER ug/L	TW-9I 6/25/2009 WATER ug/L	TW-9I 3/23/2010 WATER ug/L	TW-9I 6/21/2011 WATER ug/L	TW-9I 7/24/2012 WATER ug/L	TW-9I 10/29/2013 WATER ug/L	TW-9I 5/6/2015 WATER ug/L	TW-9I 9/30/2016 WATER ug/L	TW-9I 10/26/2017 WATER ug/L	TW-9I 3/26/219 WATER ug/L	TW-9D 6/25/2009 WATER ug/L	TW-9D 3/23/2010 WATER ug/L	TW-9D 6/21/2011 WATER ug/L
VOCs																
1,1,1-Trichloroethane	5	1.1	1.4 J	0.65 J	5.5	4.3	4.2	4.2	4	3	1 U	0.4 J	2.92	0.4 U	1 U	1 U
1,1-Dichloroethane	*	1 U	2.0 U	2.0 U	0.36 U	1 U	1 U	0.5 U	2 U	2 U	1 U	2 U	2 U	0.36 U	1 U	1 U
1,1-Dichloroethene	5	1 U	2.0 U	2.0 U	0.47 U	1 U	1 U	0.5 U	2 U	2 U	1 U	2 U	2 U	0.47 U	1 U	1 U
2-Butanone	50	20 U			1.3 U	5 U	5 U	2.6 J			20 U			1.3 U	5 U	5 U
Acetone	50	50 U			17	14	19	16			50 U			9.1	13	3.6 J
Benzene	1	1 U	1.0 U	1.0 U	0.32 U	1 U	1 U	0.5 U	1 U	1 U	1 U	21	1 U	0.32 U	1 U	1 U
Carbon Tetrachloride	5	5 U	2.0 U	2.0 U	0.62 U	1 U	1 U	0.5 U	2 U	2 U	5 U	2 U	2 U	0.62 U	1 U	1 U
Chloroethane	5	2 U	2.0 U	2.0 U	0.66 U	1 U	1 U	0.5 U	2 U	2 U	2 U	2 U	2 U	0.66 U	1 U	1 U
Chloroform	7	2 U	2.0 U	2.0 U	0.34 U	1 U	1 U	0.5 U	2 U	2 U	2 U	2 U	2 U	0.34 U	1 U	1 U
Chloromethane		2 U	2.0 U	2.0 U	0.54 U	1 U	1 U	0.41 J	2 U	2 U	2 U	2 U	2 U	0.54 U	1 U	1 U
cis-1,2-Dichloroethene	5	1 U			0.35 U	1 U	1 U	0.5 U			1 U			0.35 U	1 U	1 U
Tetrachloroethene	5	1 U	2.0 U	2.0 U	0.27 U	1 U	1 U	0.5 U	2 U	2 U	1 U	2 U	2 U	0.27 U	1 U	1 U
Toluene	5	1 U	1.0 U	1.0 U	0.37 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	1 U	0.37 U	1 U	1 U
Trichloroethene	5	1 U	2.0 U	2.0 U	0.28 U	1 U	1 U	0.5 U	2 U	2 U	1 U	2 U	2 U	0.28 U	1 U	1 U

Notes

- Concentration exceeds corresponding
NYSDEC Class GA Standard.

* - NYSDEC Principal Organic Contaminant Standard
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TW-X is a duplicate sample collected at TW-15

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

Sample ID Sampling Date Matrix Units	NYSDEC Class GA Standard ug/L	TW-9D 7/24/2012 WATER ug/L	TW-9D 10/29/2013 WATER ug/L	TW-9D 5/6/2015 WATER ug/L	TW-9D 9/30/2016 WATER ug/L	TW-9D 10/24/2017 WATER ug/L	TW-9D 3/26/219 WATER ug/L	TW-10D 6/25/2009 WATER ug/L	TW-12I 9/6/2007 WATER ug/L	TW-12I 10/17/2008 WATER ug/L	TW-12I 6/25/2009 WATER ug/L	TW-12I 3/23/2010 WATER ug/L	TW-12I 6/21/2011 WATER ug/L	TW-12I 7/24/2012 WATER ug/L	TW-12I 10/29/2013 WATER ug/L	TW-12I 5/6/2015 WATER ug/L
VOCS																
1,1,1-Trichloroethane	5	0.5 U	2 U	2 U	3.3	2 U	2 U	0.53 J	0.32 U	1 U	0.4 U	1 U	1 U	0.5 U	2 U	2 U
1,1-Dichloroethane	*	0.5 U	2 U	2 U	1 U	2 U	2 U	0.36 U	0.38 U	1 U	0.36 U	1 U	1 U	0.5 U	2 U	2 U
1,1-Dichloroethene	5	0.5 U	2 U	2 U	1 U	2 U	2 U	0.47 U	0.42 U	1 U	0.47 U	1 U	1 U	0.5 U	2 U	2 U
2-Butanone	50	1.9 J			20 U			1.3 U	1.1 U	5 U	1.3 U	5 U	5 U	1.8 J		
Acetone	50	14			50 U			19	2.3 U	5 U	10	21	13	12		
Benzene	1	0.5 U	1 U	1 U	1 U	1.6	1 U	0.32 U	0.39 U	1 U	0.32 U	1 U	1 U	0.5 U	1 U	1 U
Carbon Tetrachloride	5	0.5 U	2 U	2 U	5 U	2 U	2 U	0.62 U	1.1 U	1 U	0.62 U	1 U	1 U	0.5 U	2 U	2 U
Chloroethane	5	0.5 U	2 U	2 U	2 U	2 U	2 U	0.66 U	0.83 U	1 U	0.66 U	1 U	1 U	0.5 U	2 U	2 U
Chloroform	7	0.5 U	2 U	2 U	2 U	2 U	2 U	0.34 U	0.33 U	1 U	0.34 U	1 U	1 U	0.5 U	2 U	2 U
Chloromethane		0.4 J	2 U	2 U	2 U	2 U	2 U	0.54 U	0.34 U	1 U	0.54 U	1 U	1 U	0.43 J	2 U	2 U
cis-1,2-Dichloroethene	5	0.5 U			1 U			0.35 U	0.29 U	1 U	0.35 U	1 U	1 U	0.5 U		
Tetrachloroethene	5	0.5 U	2 U	2 U	1 U	2 U	2 U	0.27 U	0.48 U	1 U	0.27 U	1 U	1 U	0.5 U	2 U	2 U
Toluene	5	0.5 U	1 U	1 U	1 U	1 U	1 U	0.37 U	0.36 U	1 U	0.37 U	1 U	1 U	0.5 U	1 U	1 U
Trichloroethene	5	0.5 U	2 U	2 U	1 U	2 U	2 U	0.28 U	0.46 U	1 U	0.28 U	1 U	1 U	0.5 U	2 U	2 U

Notes

- Concentration exceeds corresponding
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TABLE 4-3
SUMMARY OF GROUNDWATER DETECTIONS (VOCS)
GLADDING CORDAGE
SOUTH OTSELIC, NEW YORK
NYSDEC Site No. 7-09-009

Sample ID Sampling Date Matrix Units	NYSDEC Class GA Standard ug/L	TW-12I 9/30/2016 WATER ug/L	TW-12I 10/24/2017 WATER ug/L	TW-12I 3/26/219 WATER ug/L	TW-12D 9/6/2007 WATER ug/L	TW-12D 6/25/2009 WATER ug/L	TW-12D 3/23/2010 WATER ug/L	TW-12D 6/21/2011 WATER ug/L	TW-12D 7/24/2012 WATER ug/L	TW-12D 10/29/2013 WATER ug/L	TW-12D 5/6/2015 WATER ug/L	TW-12D 9/30/2016 WATER ug/L	TW-12D 10/24/2017 WATER ug/L	TW-12D 3/26/219 WATER ug/L	TW-14S 9/6/2007 WATER ug/L	TW-14S 10/17/2008 WATER ug/L
VOCs																
1,1,1-Trichloroethane	5	1 U	1.7 J	2.51	0.32 U	0.4 U	1 U	1 U	0.5 U	2 U	2 U	1 U	0.48 J	0.5 J	0.32 U	68
1,1-Dichloroethane	*	1 U	1 U	2 U	0.38 U	0.36 U	1 U	1 U	0.5 U	2 U	2 U	1 U	2 U	2 U	0.38 U	5.8
1,1-Dichloroethene	5	1 U	1 U	2 U	0.42 U	0.47 U	1 U	1 U	0.5 U	2 U	2 U	1 U	2 U	2 U	0.42 U	1 U
2-Butanone	50	20 U			1.1 U	1.3 U	5 U	5 U	2.8 J			20 U			1.1 U	5 U
Acetone	50	50 U			2.3 U	14	13	11	18			50 U			2.3 U	5 U
Benzene	1	1 U	1 U	1 U	0.39 U	0.32 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	1 U	0.39 U	1 U
Carbon Tetrachloride	5	5 U	2 U	2 U	1.1 U	0.62 U	1 U	1 U	0.5 U	2 U	2 U	5 U	2 U	2 U	1.1 U	1 U
Chloroethane	5	2 U	2 U	2 U	0.83 U	0.66 U	1 U	1 U	0.5 U	2 U	2 U	2 U	2 U	2 U	0.83 U	1 U
Chloroform	7	2 U	2 U	2 U	0.33 U	0.34 U	1 U	1 U	0.5 U	2 U	2 U	2 U	2 U	2 U	0.33 U	1 U
Chloromethane		2 U	2 U	2 U	0.34 U	0.54 U	1 U	1 U	0.5 U	2 U	2 U	2 U	2 U	2 U	0.34 U	1 U
cis-1,2-Dichloroethene	5	1 U			0.29 U	0.35 U	1 U	1 U	0.5 U			1 U			0.29 U	1 U
Tetrachloroethene	5	1 U	2 U	2 U	0.48 U	0.27 U	1 U	1 U	0.5 U	2 U	2 U	1 U	2 U	2 U	0.48 U	1 U
Toluene	5	1 U	1 U	1 U	0.36 U	0.37 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	1 U	0.36 U	1 U
Trichloroethene	5	1 U	2 U	2 U	0.46 U	0.28 U	1 U	1 U	0.5 U	2 U	2 U	1 U	2 U	2 U	0.46 U	1 U

Notes

- Concentration exceeds corresponding
NYSDEC Class GA Standard.

* - NYSDEC Principal Organic Contaminant Standard
of 5 ug/l applies to this compound.

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

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

D - Sample dilluted

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

Blank space indicates sample not analyzed for that compound

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

Sample ID Sampling Date Matrix Units	NYSDEC Class GA Standard ug/L	TW-14S 6/25/2009 WATER ug/L	TW-14S 3/23/2010 WATER ug/L	TW-14S 6/21/2011 WATER ug/L	TW-14S 7/24/2012 WATER ug/L	TW-14S 10/29/2013 WATER ug/L	TW-14S 5/6/2015 WATER ug/L	TW-14S 9/30/2016 WATER ug/L	TW-14S 10/25/2017 WATER ug/L	TW-14S 3/26/219 WATER ug/L	TW-14I 9/6/2007 WATER ug/L	TW-14I 10/17/2008 WATER ug/L	TW-14I 6/25/2009 WATER ug/L	TW-14I 3/23/2010 WATER ug/L	TW-14I 6/21/2011 WATER ug/L	TW-14I 7/24/2012 WATER ug/L
VOCS																
1,1,1-Trichloroethane	5	0.4 U	16	12	21	10	4.5	50	34	29	39	95	83	82	87	76
1,1-Dichloroethane	*	1.2	0.64 J	0.55 J	0.95 J	2 U	2 U	5.3	1.5 J	0.76 J	0.38 U	2.8	3.2	3.2	3.5	2.6
1,1-Dichloroethene	5	0.47 U	1 U	0.67 J	0.5 U	2 U	2 U	1 U	0.47 J	0.38 J	3.7 J	1.5	0.47 U	2.1	4.4	1.4
2-Butanone	50	1.3 U	5 U	5 U	2 J			20 U			1.1 U	5 U	1.3 U	5 U	5 U	2.2 J
Acetone	50	14	16	18	14			50 U			2.3 U	5 U	13	17	20	16
Benzene	1	0.32 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	1 U	0.39 U	1 U	0.32 U	1 U	1 U	0.5 U
Carbon Tetrachloride	5	0.62 U	1 U	1 U	0.5 U	2 U	2 U	5 U	2 U	2 U	1.1 U	1 U	0.62 U	1 U	1 U	0.5 U
Chloroethane	5	0.66 U	1 U	1 U	0.5 U	2 U	2 U	2 U	2 U	2 U	0.83 U	1 U	0.66 U	1 U	1 U	0.5 U
Chloroform	7	0.34 U	1 U	1 U	0.5 U	2 U	2 U	2 U	2 U	2 U	0.33 U	1 U	0.34 U	1 U	1 U	0.5 U
Chloromethane		0.54 U	1 U	1 U	0.5 U	2 U	2 U	2 U	2 U	2 U	0.34 U	1 U	0.54 U	1 U	1 U	0.5 U
cis-1,2-Dichloroethene	5	0.35 U	1 U	1 U	0.5 U			1 U			0.29 U	1 U	0.35 U	1 U	1 U	0.5 U
Tetrachloroethene	5	0.27 U	1 U	1 U	0.5 U	2 U	2 U	1 U	2 U	2 U	0.48 U	1 U	0.27 U	1 U	1 U	0.5 U
Toluene	5	0.37 U	1 U	1 U	0.5 U	1 U	0.15 J	1 U	1 U	1 U	0.36 U	1 U	0.37 U	1 U	1 U	0.5 U
Trichloroethene	5	0.28 U	1 U	1 U	0.5 U	2 U	2 U	1 U	2 U	2 U	0.46 U	1 U	0.28 U	1 U	1 U	0.5 U

Notes

- Concentration exceeds corresponding
NYSDEC Class GA Standard.

* - NYSDEC Principal Organic Contaminant Standard
of 5 ug/l applies to this compound.

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

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

D - Sample dilluted

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

Blank space indicates sample not analyzed for that compound

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

Sample ID Sampling Date Matrix Units	NYSDEC Class GA Standard ug/L	TW-14I 10/29/2013 WATER ug/L	TW-14I 5/6/2015 WATER ug/L	TW-14I 9/30/2016 WATER ug/L	TW-14I 10/25/2017 WATER ug/L	TW-14I 3/26/2019 WATER ug/L	TW-14D 9/6/2007 WATER ug/L	TW-14D 10/17/2008 WATER ug/L	TW-14D 6/25/2009 WATER ug/L	TW-14D 3/23/2010 WATER ug/L	TW-14D 6/21/2011 WATER ug/L	TW-14D 7/24/2012 WATER ug/L	TW-14D 10/29/2013 WATER ug/L	TW-14D 5/6/2015 WATER ug/L
VOCs														
1,1,1-Trichloroethane	5	59	57	65	51	36.9	42	18	0.4 U	9.1	12	11	56	10
1,1-Dichloroethane	*	2.1	2 J	2.4	2.4	1.34 J	0.38 U	1 U	0.36 U	1 U	1 U	0.5 U	2 U	2 U
1,1-Dichloroethene	5	2 U	1.1 J	1.3	1.1 J	0.71 J	7.2	1 U	0.47 U	1 U	0.67 J	0.5 U	2 U	2 U
2-Butanone	50			20 U			1.1 U	5 U	1.3 U	5 U	5 U	2.2 J		
Acetone	50			50 U			2.3 U	5 U	15	18	25	17		
Benzene	1	1 U	1 U	1 U	1 U	1 U	0.39 U	1 U	0.32 U	1 U	1 U	0.5 U	1 U	5.7
Carbon Tetrachloride	5	2 U	2 U	5 U	2 U	2 U	1.1 U	1 U	0.62 U	1 U	1 U	0.5 U	2 U	2 U
Chloroethane	5	2 U	2 U	2 U	2 U	2 U	0.83 U	1 U	0.66 U	1 U	1 U	0.5 U	2 U	2 U
Chloroform	7	2 U	2 U	2 U	2 U	2 U	0.33 U	1 U	0.34 U	1 U	1 U	0.5 U	2 U	2 U
Chloromethane		2 U	2 U	2 U	2 U	2 U	0.34 U	1 U	0.54 U	1 U	1 U	0.5 U	2 U	2 U
cis-1,2-Dichloroethene	5			1 U			0.29 U	1 U	0.35 U	1 U	1 U	0.5 U		
Tetrachloroethene	5	2 U	2 U	1 U	2 U	2 U	0.48 U	1 U	0.27 U	1 U	1 U	0.5 U	2 U	2 U
Toluene	5	1 U	1 U	1 U	1 U	1 U	0.36 U	1 U	0.37 U	1 U	1 U	0.5 U	1 U	1 U
Trichloroethene	5	2 U	2 U	1 U	2 U	2 U	0.46 U	1 U	0.28 U	1 U	1 U	0.5 U	2 U	2 U

Notes

- Concentration exceeds corresponding
NYSDEC Class GA Standard.

* - NYSDEC Principal Organic Contaminant Standard
of 5 ug/l applies to this compound.

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

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

D - Sample dilluted

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

Blank space indicates sample not analyzed for that compound

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

Sample ID Sampling Date Matrix Units	NYSDEC Class GA Standard ug/L	TW-14D 9/30/2016 WATER ug/L	TW-14D 10/25/2017 WATER ug/L	TW-14D 3/26/2019 WATER ug/L	TW-15 9/6/2007 WATER ug/L	TW-15 10/17/2008 WATER ug/L	TW-15 6/25/2009 WATER ug/L	TW-15 3/23/2010 WATER ug/L	TW-15 6/21/2011 WATER ug/L	TW-15 7/24/2012 WATER ug/L	TW-15 10/29/2013 WATER ug/L	TW-15 5/6/2015 WATER ug/L	TW-15 9/30/2016 WATER ug/L	TW-15 10/26/2017 WATER ug/L	TW-X-DUP 10/26/2017 WATER ug/L	TW-15 3/26/2019 WATER ug/L	TW-X-DUP 3/26/2019 WATER ug/L
VOCs																	
1,1,1-Trichloroethane	5	6.5	7.5	8.45	17	84 D	95	97	89	85	9.4	32	14	16	16	35.9	37
1,1-Dichloroethane	*	1 U	0.39 J	2 U	0.38 U	3.3	3.4	4.1	3.8	3.4	2 U	1.6	1 U	1.1 J	1.2 J	1.63 J	1.54 J
1,1-Dichloroethene	5	1 U	2 U	2 U	4.6 J	2	1.8	2.7	5.9	2	2 U	0.93	1 U	0.46 J	0.45 J	0.87 J	0.97 J
2-Butanone	50	20 U			1.1 U	5 U	1.3 U	5 U	5 U	2.9 J			20 U				
Acetone	50	50 U			2.3 U	5 U	9.7	15	35	17			50 U				
Benzene	1	1 U	1 U	1 U	0.39 U	1 U	0.32 U	1 U	1 U	0.5 U	1 U	13	1.3	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	5 U	2 U	2 U	1.1 U	1 U	0.62 U	1 U	1 U	0.5 U	2 U	2 U	5 U	2	2 U	2 U	2 U
Chloroethane	5	2 U	2 U	2 U	0.83 U	1 U	0.66 U	1 U	1 U	0.5 U	2 U	2 U	2 U	2	2 U	2 U	2 U
Chloroform	7	2 U	2 U	2 U	0.33 U	1 U	0.34 U	1 U	1 U	0.5 U	2 U	2 U	2 U	2	2 U	2 U	2 U
Chloromethane		2 U	2 U	2 U	0.34 U	1 U	0.54 U	1 U	1 U	0.48 J	2 U	2 U	2 U	2	2 U	2 U	2 U
cis-1,2-Dichloroethene	5	1 U			0.29 U	1 U	0.35 U	1 U	1 U	0.5 U			1 U				
Tetrachloroethene	5	1 U	2 U	2 U	0.48 U	1 U	0.27 U	1 U	1 U	0.5 U	2 U	2 U	1 U	2 U	2 U	2 U	2 U
Toluene	5	1 U	1 U	1 U	0.36 U	1 U	0.37 U	1 U	1 U	0.5 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	1 U	2 U	2 U	0.46 U	1 U	0.28 U	1 U	1 U	0.5 U	2 U	2 U	1 U	2 U	2 U	2 U	2 U

Notes

- Concentration exceeds corresponding
NYSDEC Class GA Standard.

* - NYSDEC Principal Organic Contaminant Standard
of 5 ug/l applies to this compound.

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

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

D - Sample dilluted

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

Blank space indicates sample not analyzed for that compound

FIGURES



Figure 2-1 Site Location

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

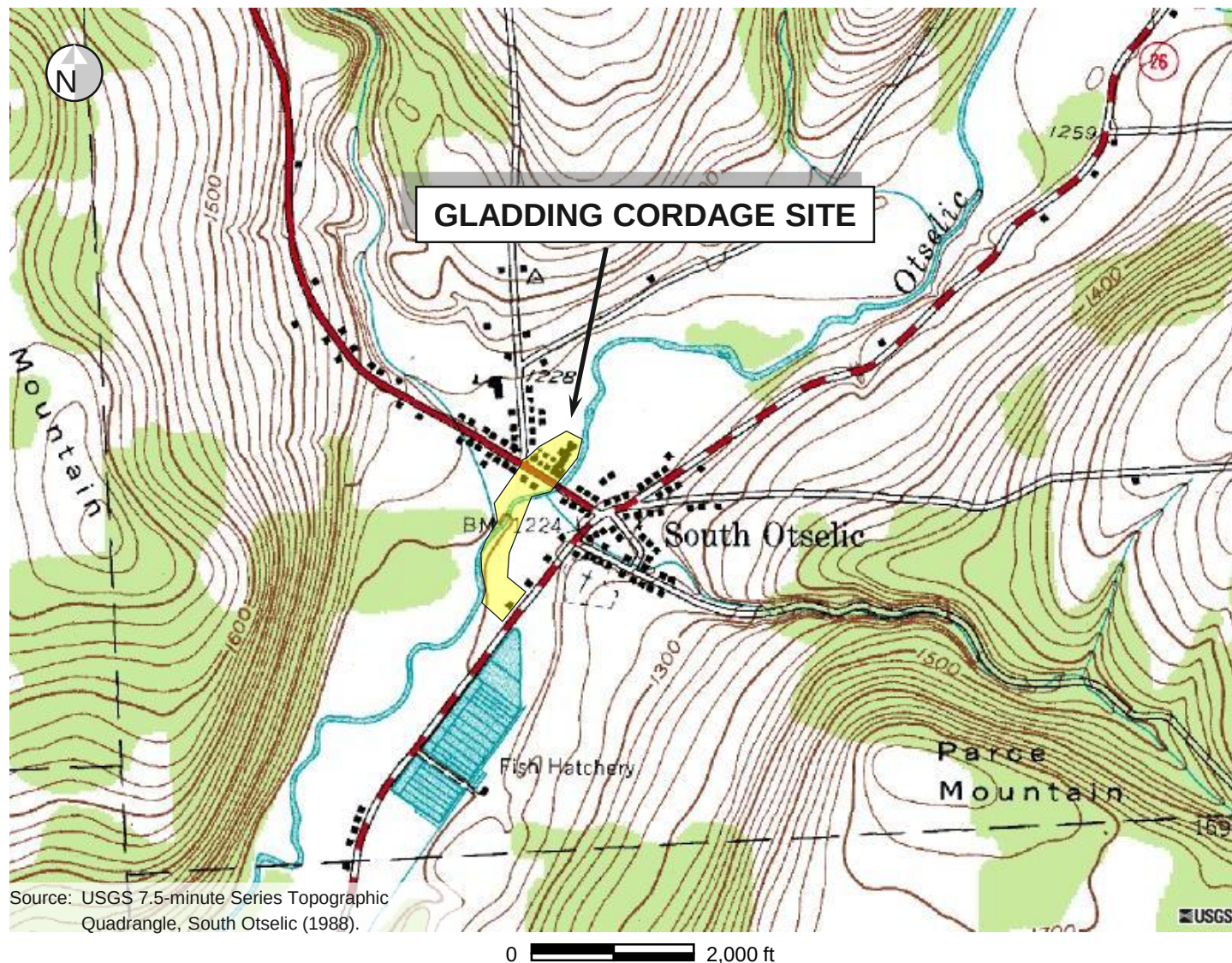
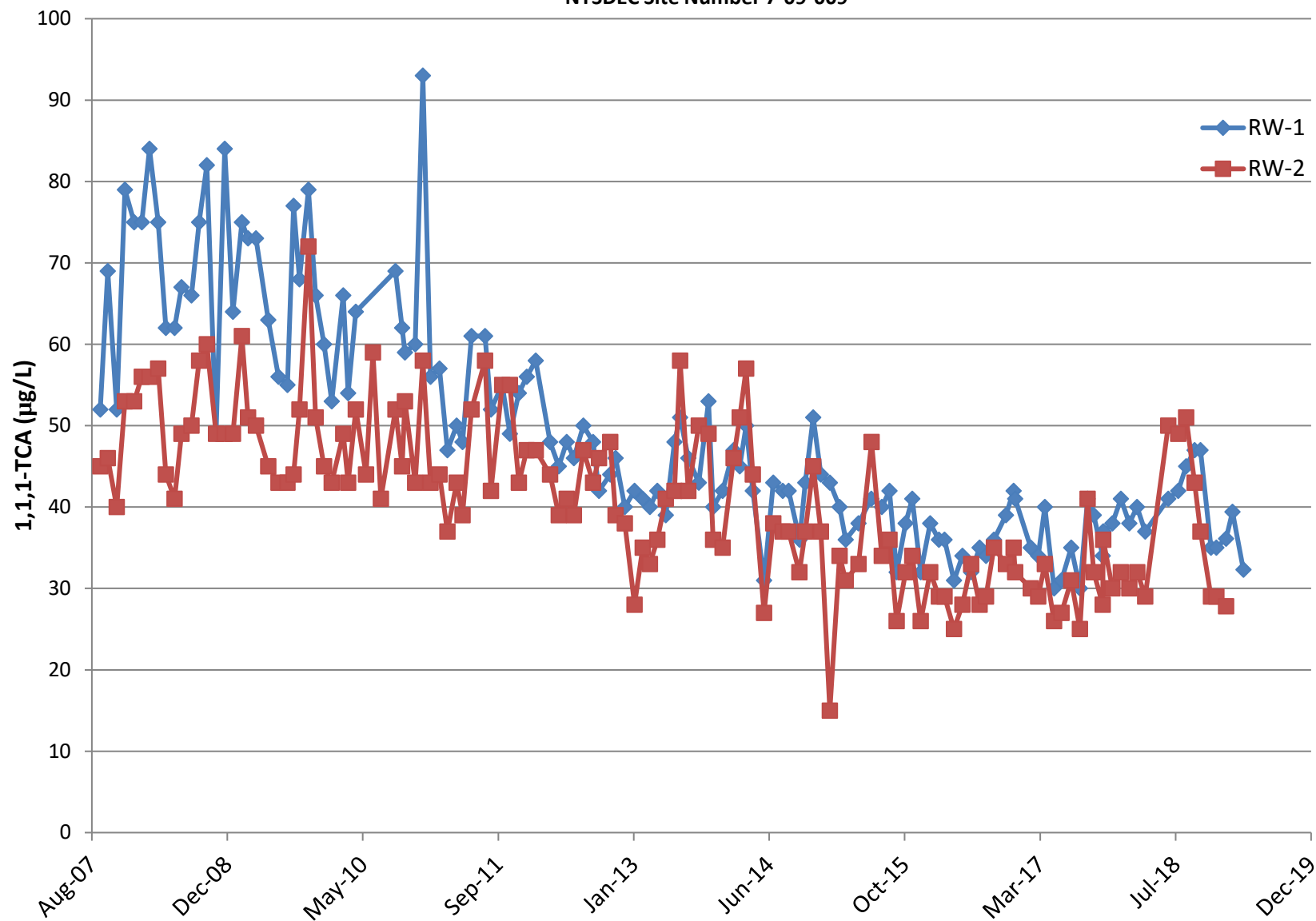
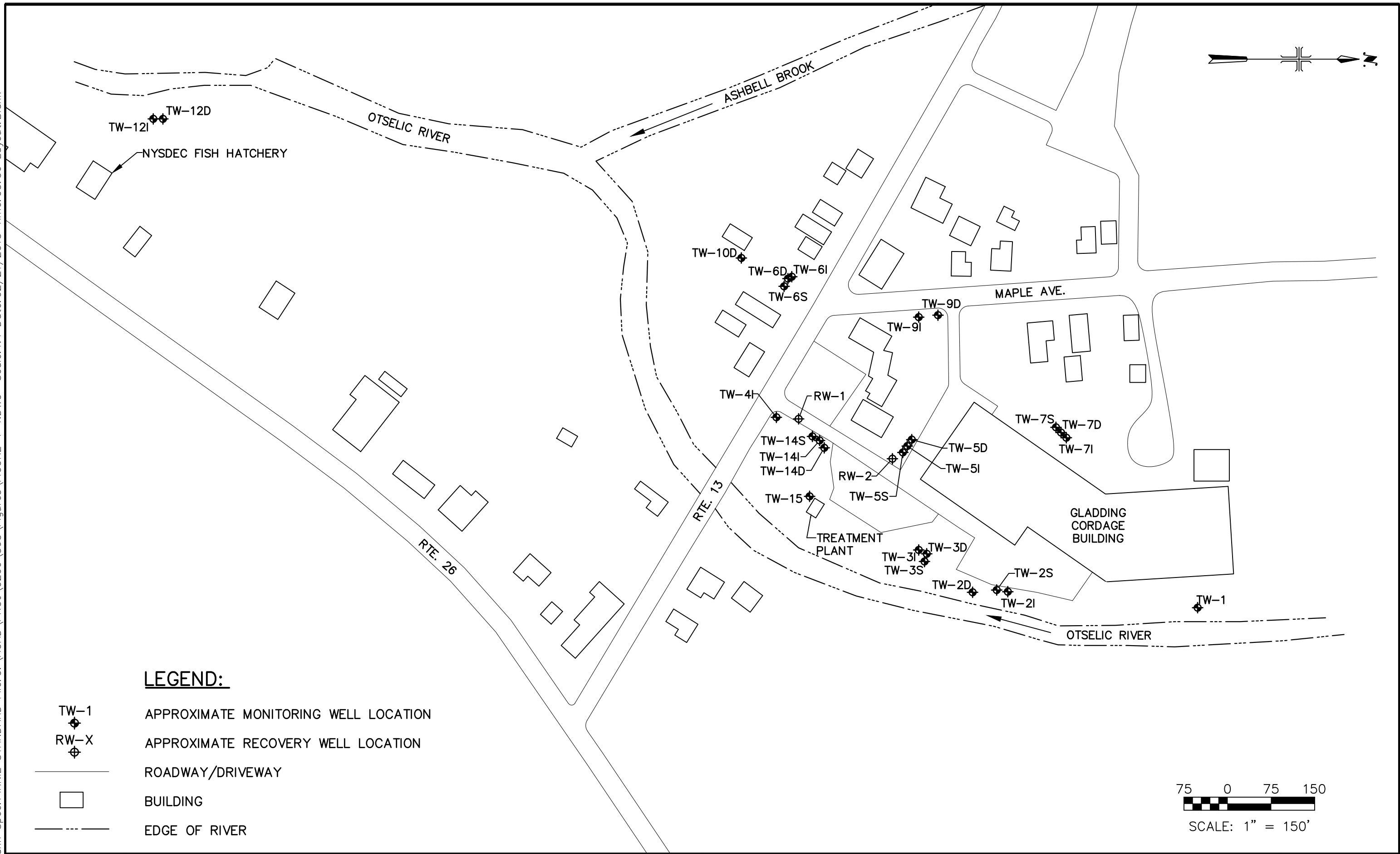


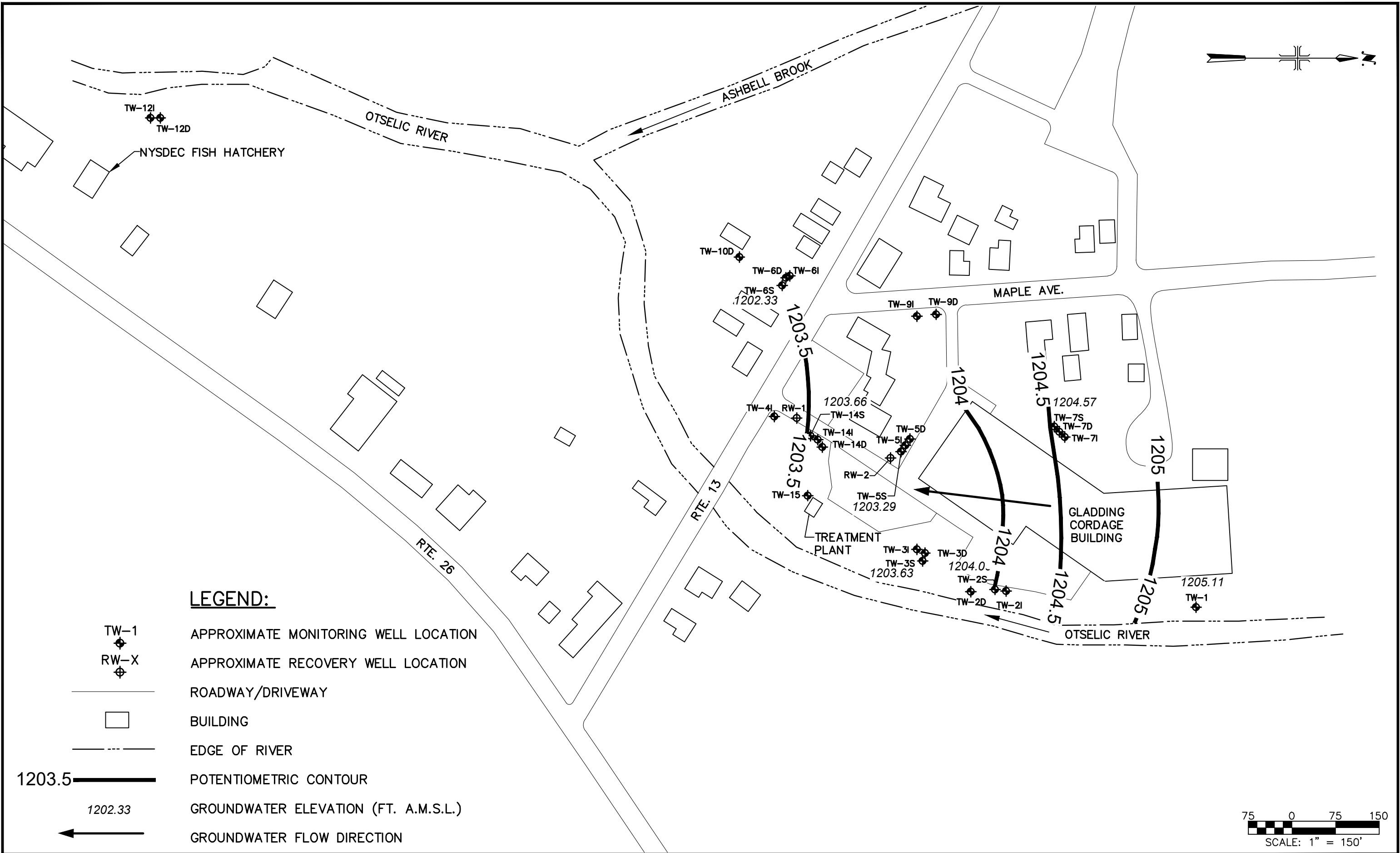
Figure 3-1
Treatment System Influent Sample Concentrations (1,1,1-TCA)
Gladding Cordage Site
NYSDEC Site Number 7-09-009



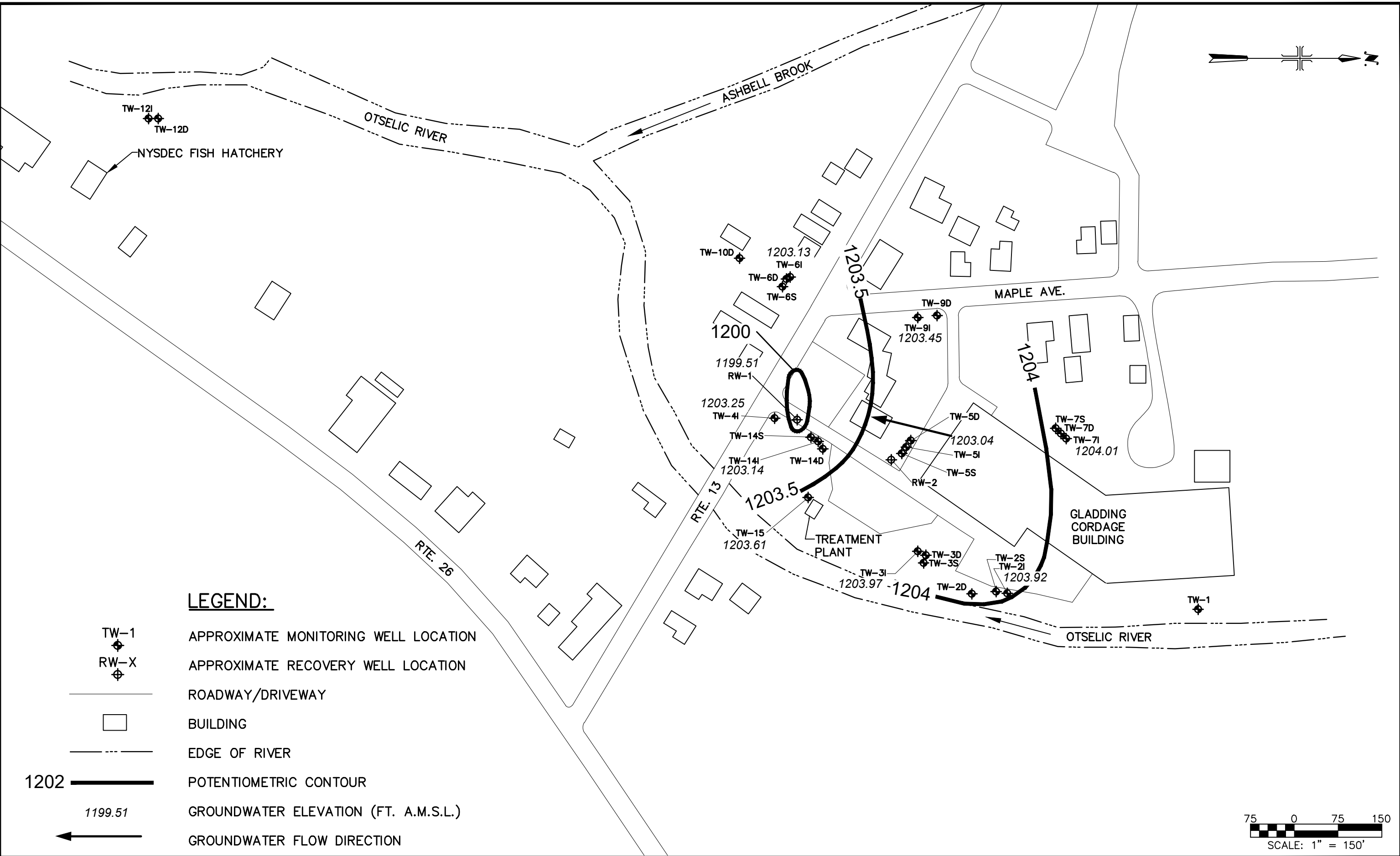
XREFS: ...\\X-Refs\\Basemap.dwg, IMAGES: None
User: Hausmann Spec: PIRNIE STANDARD File: G:\\ACAD\\PROJ\\0266\\365\\Figures\\FIGURE 4-1.DWG Scale: 1:1 Date: 02/21/2013 Time: 05:56 Layout: Blank



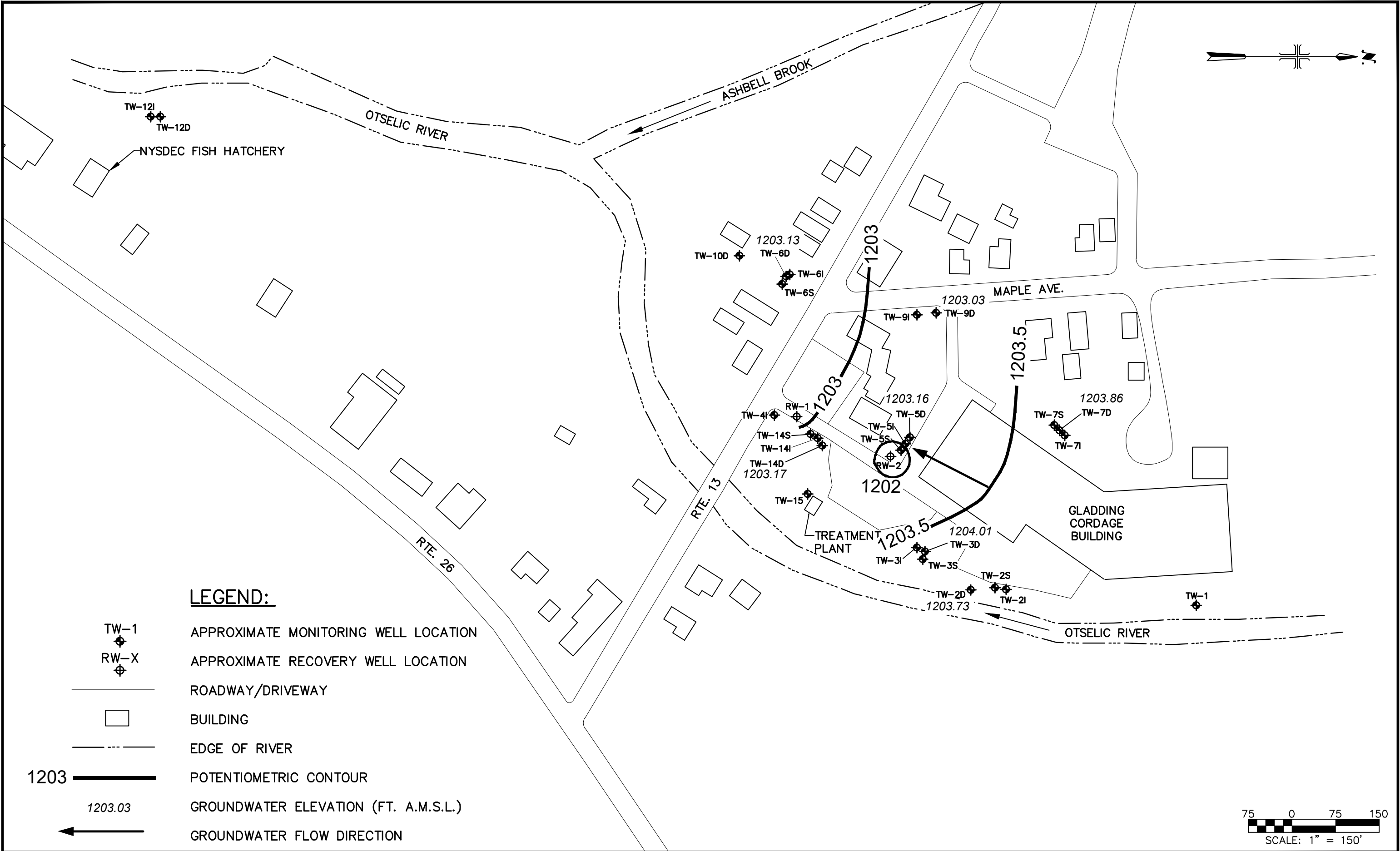
USER: J.MULLINS FILENAME: G:\ACAD\PROJ\00266406.0000\FIGURES\2019\FIGURE 4-2 SHALLOW POT 3-12-19.DWG SAVE DATE: 5/15/2019 5:40 PM PLOT DATE: 5/15/2019 5:41 PM



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



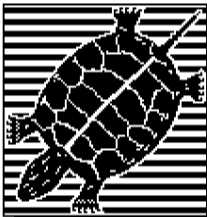
USER: J.MULLINS FILENAME: G:\ACAD\PROJ\00266406.0000\FIGURES\2019\FIGURE 4-4 DEEP POT 3-12-19.DWG SAVE DATE: 5/15/2019 6:38 PM PLOT DATE: 5/15/2019 6:38 PM



APPENDIX A

PLC Facsimile Reports





ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 01/01/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

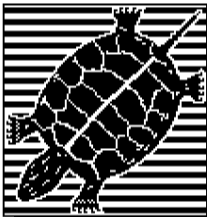
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is ON
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 0.0	GPM	TOTAL FLOW is 63023435	GAL		
W2_FLO is 23.2	GPM	TOTAL FLOW is 65353474	GAL		
ASBPRS is 10.2	IWC	LIMITS are L: 5.0	IWC	H: 30.0	IWC
HP_FLO is 0.00	GPM	TOTAL FLOW is 724056	GAL		
HP_PRS is 1.2	PSI	LIMITS are L: -2.0	PSI	H: 20.0	PSI
HP_AMP is 0.04	AMP	LIMITS are L: 0.00	AMP	H:	AMP
W1_AMP is 4.44	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W2_AMP is 4.60	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W1_LVL is 31.11	FT	LIMITS are L: 8.00	FT	H: 28.00	FT
W2_LVL is 56.40	FT	LIMITS are L: 9.00	FT	H: 52.00	FT
W1_PRS is 4.1	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
W2_PRS is 4.5	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
INTEMP is 57.6	DEG	LIMITS are L: 42.0	DEG	H: 130.0	DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd.

Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 01/02/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

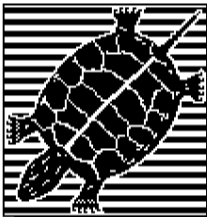
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is ON
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 0.0	GPM TOTAL FLOW is 63023435	GAL	
W2_FLO is 23.5	GPM TOTAL FLOW is 65387135	GAL	
ASBP RS is 10.8	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 724433	GAL	
HP_PRS is 1.2	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.04	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.41	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.56	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 31.84	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 56.72	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.2	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.5	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTMP is 55.6	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 01/03/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

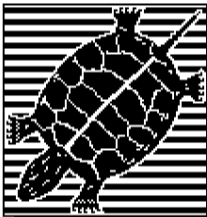
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is ON
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 0.0	GPM TOTAL FLOW is 63023435	GAL	
W2_FLO is 23.5	GPM TOTAL FLOW is 65420712	GAL	
ASBPRS is 10.5	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 724825	GAL	
HP_PRS is 1.3	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.04	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.40	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.55	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 30.88	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 55.91	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.1	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.5	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTemp is 56.0	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 01/04/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

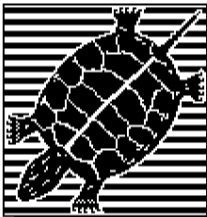
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is ON
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 0.0	GPM TOTAL FLOW is 63023435	GAL	
W2_FLO is 23.2	GPM TOTAL FLOW is 65454268	GAL	
ASBPRS is 10.7	IWC LIMITS are L: 5.0	IWC H: 30.0	IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 725142	GAL	
HP_PRS is 1.2	PSI LIMITS are L: -2.0	PSI H: 20.0	PSI
HP_AMP is 0.03	AMP LIMITS are L: 0.00	AMP H:	AMP
W1_AMP is 4.36	AMP LIMITS are L: 0.00	AMP H: 10.00	AMP
W2_AMP is 4.52	AMP LIMITS are L: 0.00	AMP H: 10.00	AMP
W1_LVL is 31.01	FT LIMITS are L: 8.00	FT H: 28.00	FT
W2_LVL is 56.23	FT LIMITS are L: 9.00	FT H: 52.00	FT
W1_PRS is 4.1	PSI LIMITS are L: 0.5	PSI H: 100.0	PSI
W2_PRS is 4.5	PSI LIMITS are L: 0.5	PSI H: 100.0	PSI
INTMP is 53.3	DEG LIMITS are L: 42.0	DEG H: 130.0	DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 01/05/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

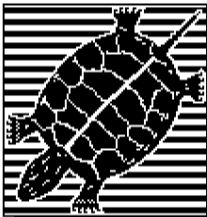
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is ON
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 0.0	GPM TOTAL FLOW is 63023435	GAL	
W2_FLO is 23.2	GPM TOTAL FLOW is 65487834	GAL	
ASBPRS is 10.5	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 725471	GAL	
HP_PRS is 1.2	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.04	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.40	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.55	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 30.61	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 56.00	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.2	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.5	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTemp is 54.8	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd.

Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 01/06/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

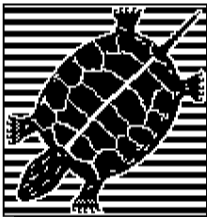
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is ON
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 0.0	GPM TOTAL FLOW is 63023435	GAL	
W2_FLO is 23.5	GPM TOTAL FLOW is 65521433	GAL	
ASBPRS is 10.4	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 725786	GAL	
HP_PRS is 1.2	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.04	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.42	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.58	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 30.96	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 56.21	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.1	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.5	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTMP is 56.6	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 01/07/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

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

Analog Inputs:

W1_FLO is 0.0	GPM TOTAL FLOW is 63023435	GAL	
W2_FLO is 23.7	GPM TOTAL FLOW is 65555036	GAL	
ASBPRS is 11.1	IWC LIMITS are L: 5.0	IWC H: 30.0	IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 726205	GAL	
HP_PRS is 1.3	PSI LIMITS are L: -2.0	PSI H: 20.0	PSI
HP_AMP is 0.04	AMP LIMITS are L: 0.00	AMP H:	AMP
W1_AMP is 4.31	AMP LIMITS are L: 0.00	AMP H: 10.00	AMP
W2_AMP is 4.50	AMP LIMITS are L: 0.00	AMP H: 10.00	AMP
W1_LVL is 31.54	FT LIMITS are L: 8.00	FT H: 28.00	FT
W2_LVL is 56.38	FT LIMITS are L: 9.00	FT H: 52.00	FT
W1_PRS is 4.2	PSI LIMITS are L: 0.5	PSI H: 100.0	PSI
W2_PRS is 4.5	PSI LIMITS are L: 0.5	PSI H: 100.0	PSI
INTemp is 49.2	DEG LIMITS are L: 42.0	DEG H: 130.0	DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

EOS Research Ltd.

Fax Report

To:

JEREMY WYCKOFF

From:

THE RYSEDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 01/08/2015
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

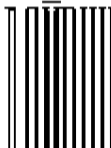
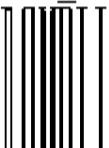
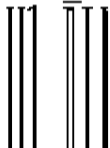
System Status:

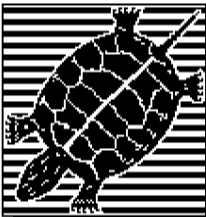
AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
			



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 01/08/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

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

Analog Inputs:

W1_FLO is 0.0	GPM TOTAL FLOW is 63023435	GAL	
W2_FLO is 23.3	GPM TOTAL FLOW is 65588612	GAL	
ASBPRS is 10.6	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 726682	GAL	
HP_PRS is 1.3	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.04	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.39	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.55	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 30.89	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 55.87	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.2	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.5	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTemp is 53.1	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

EOS Research Ltd.

Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH UTSELIC NY @ 06:00:00 ON 01/09/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL . LAST SHUTDOWN @ 10.13.24 ON 00/15/2010 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

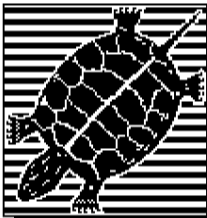
W1_GO is OFF	W2_GO is OFF	ASB_GO is OFF	SMP_GO is OFF
ATR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_AIM is OFF
W2_AIM is OFF	ASPAIM is OFF	SMPAIM is OFF	ATR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPCO is OFF	

Analog Inputs:

W1_FLO is 0.0	GPM	TOTAL FLOW is 63023435	GAL		
W2_FLO is 0.0	GPM	TOTAL FLOW is 65590010	GAL		
ASBPDS is 0.2	TWC	LIMITS are L: 5.0	TWC	W: 30.0	TWC
HP_FLO is 0.00	GPM	TOTAL FLOW is 726682	GAL		
HP_PRS is 1.1	PSI	LIMITS are L: -2.0	PSI	H: 20.0	PSI
HP_AMP is 1.04	AMP	LIMITS are L: 0.00	AMP	H:	AMP
W1_AMP is 0.01	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W2_AMP is 0.00	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W1_LVL is 32.50	FT	LIMITS are L: 8.00	FT	H: 28.00	FT
W2_LVL is 57.60	FT	LIMITS are L: 9.00	FT	H: 52.00	FT
W1_PRS is 0.0	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
W2_PRS is 0.0	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
INTEMP is 53.9	DEC	LIMITS are L: 42.0	DEC	H: 130.0	DEC

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

EOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC: GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 01/09/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

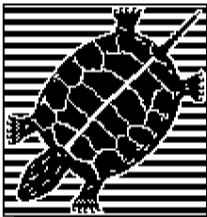
W1_GO is OFF	W2_GO is OFF	ASB_GO is OFF	SMP_GO is OFF
ATR_HH is OFF	ASMPHH is OFF	ASMPI_L is OFF	W1_AIM is OFF
W2_AIM is OFF	ASDAIM is OFF	SMPAIM is OFF	ATR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPEGO is OFF	

Analog Inputs:

W1_FLO is 0.0	GPM TOTAL FLOW is 63023435	GAL	
W2_FLO is 0.0	GPM TOTAL FLOW is 65590010	GAL	
ASBPRS is 0.2	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 726682	GAL	
HP_PRS is 1.1	PST LIMITS are L: -2.0	PST	H: 20.0 PST
HP_AMP is 1.04	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 0.01	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 0.00	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 32.50	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 57.60	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 0.0	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 0.0	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTEMP is 53.9	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 01/10/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

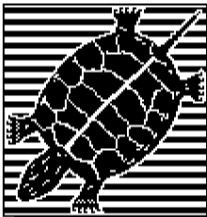
W1_GO is OFF	W2_GO is OFF	ASB_GO is OFF	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is OFF	

Analog Inputs:

W1_FLO is 0.0	GPM TOTAL FLOW is 63023435	GAL	
W2_FLO is 0.0	GPM TOTAL FLOW is 65590010	GAL	
ASBPRS is 0.2	IWC LIMITS are L: 5.0	IWC H: 30.0	IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 726682	GAL	
HP_PRS is 1.1	PSI LIMITS are L: -2.0	PSI H: 20.0	PSI
HP_AMP is 0.06	AMP LIMITS are L: 0.00	AMP H:	AMP
W1_AMP is 0.01	AMP LIMITS are L: 0.00	AMP H: 10.00	AMP
W2_AMP is 0.00	AMP LIMITS are L: 0.00	AMP H: 10.00	AMP
W1_LVL is 32.72	FT LIMITS are L: 8.00	FT H: 28.00	FT
W2_LVL is 57.67	FT LIMITS are L: 9.00	FT H: 52.00	FT
W1_PRS is 0.0	PSI LIMITS are L: 0.5	PSI H: 100.0	PSI
W2_PRS is 0.0	PSI LIMITS are L: 0.5	PSI H: 100.0	PSI
INTEMP is 50.0	DEG LIMITS are L: 42.0	DEG H: 130.0	DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 01/11/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

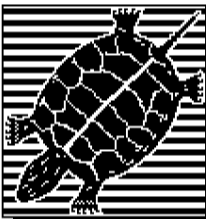
W1_GO is OFF	W2_GO is OFF	ASB_GO is OFF	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is OFF	

Analog Inputs:

W1_FLO is 0.0	GPM TOTAL FLOW is 63023435	GAL	
W2_FLO is 0.0	GPM TOTAL FLOW is 65590010	GAL	
ASBPRS is 0.1	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 726682	GAL	
HP_PRS is 1.1	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.06	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 0.00	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 0.00	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 33.05	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 57.71	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 0.0	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 0.0	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTEMP is 46.1	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

EOS Research Ltd.

Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 01/12/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

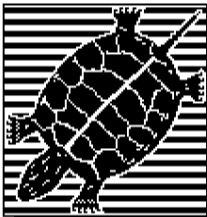
W1_GO is OFF	W2_GO is OFF	ASB_GO is OFF	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VEDRST is OFF	HPMPGO is OFF	

Analog Inputs:

W1_FLO is 0.0	GPM	TOTAL FLOW is 63023435	GAL		
W2_FLO is 0.0	GPM	TOTAL FLOW is 65590010	GAL		
W3_FLO is 0.0	GPM	TOTAL FLOW is 726682	GAL	H: 30.0	LWC
HP_FLO is 0.00	PSI	LIMITS are L: -2.0	PSI	H: 20.0	PSI
HP_PRS is 1.1	AMP	LIMITS are L: 0.00	AMP	H:	AMP
HP_AMP is 0.06	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W1_AMP is 0.01	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W2_AMP is 0.00	FT	LIMITS are L: 8.00	FT	H: 28.00	FT
W1_LVL is 33.33	FT	LIMITS are L: 9.00	FT	H: 52.00	FT
W2_LVL is 57.69	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
W1_PRS is 0.0	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
W2_PRS is 0.0	DEG	LIMITS are L: 42.0	DEG	H: 130.0	DEG
INTEMP is 42.4					

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 01/12/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

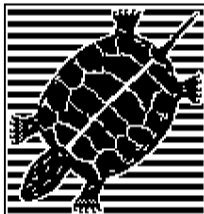
W1_GO is OFF	W2_GO is OFF	ASB_GO is OFF	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is OFF	

Analog Inputs:

W1_FLO is 0.0	GPM TOTAL FLOW is 63023435	GAL	
W2_FLO is 0.0	GPM TOTAL FLOW is 65590010	GAL	
ASBPRS is 0.1	IWC LIMITS are L: 5.0	IWC H: 30.0	IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 726682	GAL	
HP_PRS is 1.1	PSI LIMITS are L: -2.0	PSI H: 20.0	PSI
HP_AMP is 0.06	AMP LIMITS are L: 0.00	AMP H:	AMP
W1_AMP is 0.01	AMP LIMITS are L: 0.00	AMP H: 10.00	AMP
W2_AMP is 0.00	AMP LIMITS are L: 0.00	AMP H: 10.00	AMP
W1_LVL is 33.33	FT LIMITS are L: 8.00	FT H: 28.00	FT
W2_LVL is 57.69	FT LIMITS are L: 9.00	FT H: 52.00	FT
W1_PRS is 0.0	PSI LIMITS are L: 0.5	PSI H: 100.0	PSI
W2_PRS is 0.0	PSI LIMITS are L: 0.5	PSI H: 100.0	PSI
INTMP is 42.4	DEG LIMITS are L: 42.0	DEG H: 130.0	DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ALARM Fax Report

EOS Research Ltd.

ProControl Series II+

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 11:06:30 ON 01/12/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD
FAX REPORT INITIATED BY PROCESS 20

Discrete Inputs:

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

Discrete Outputs:

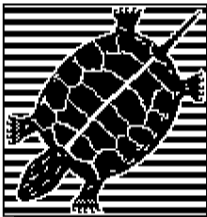
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is ON
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMGO is ON	

Analog Inputs:

W1_FLO is 0.0	GPM	TOTAL FLOW is 63023435	GAL		
W2_FLO is 21.5	GPM	TOTAL FLOW is 65590037	GAL		
ASBPRS is 10.5	IWC	LIMITS are L: 5.0	IWC	H: 30.0	IWC
HP_FLO is 2.46	GPM	TOTAL FLOW is 726684	GAL		
HP_PRS is 10.2	PSI	LIMITS are L: -2.0	PSI	H: 20.0	PSI
HP_AMP is 1.01	AMP	LIMITS are L: 0.00	AMP	H:	AMP
W1_AMP is 4.41	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W2_AMP is 4.46	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W1_LVL is 31.79	FT	LIMITS are L: 8.00	FT	H: 28.00	FT
W2_LVL is 56.40	FT	LIMITS are L: 9.00	FT	H: 52.00	FT
W1_PRS is 4.2	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
W2_PRS is 4.6	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
INTEMP is 45.1	DEG	LIMITS are L: 42.0	DEG	H: 130.0	DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 01/13/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

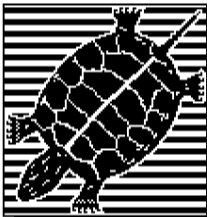
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is ON
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 0.0	GPM TOTAL FLOW is 63023435	GAL	
W2_FLO is 21.0	GPM TOTAL FLOW is 65614287	GAL	
ASBPRS is 11.2	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 2.46	GPM TOTAL FLOW is 727662	GAL	
HP_PRS is 10.0	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.98	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.36	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.41	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 31.26	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 56.21	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.2	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.5	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTemp is 47.5	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 01/14/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

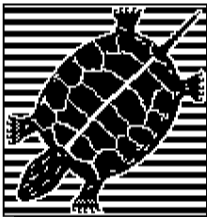
W1_GO is OFF	W2_GO is OFF	ASB_GO is OFF	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is OFF	

Analog Inputs:

W1_FLO is 0.0	GPM TOTAL FLOW is 63023435	GAL	
W2_FLO is 0.0	GPM TOTAL FLOW is 65643953	GAL	
ASBPRS is 0.1	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 728798	GAL	
HP_PRS is 1.1	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.05	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 0.00	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 0.00	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 32.81	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 57.43	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 0.0	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 0.0	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTMP is 43.2	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

EOS Research Ltd.

Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 01/15/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

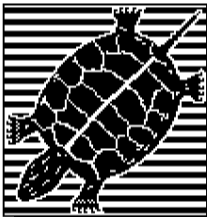
W1_GO is OFF	W2_GO is OFF	ASB_GO is OFF	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is OFF	

Analog Inputs:

W1_FLO is 0.0	GPM	TOTAL FLOW is 63023435	GAL		
W2_FLO is 0.0	GPM	TOTAL FLOW is 65643953	GAL		
ASBPRS is 0.1	IWC	LIMITS are L: 5.0	IWC	H: 30.0	IWC
HP_FLO is 0.00	GPM	TOTAL FLOW is 728798	GAL		
HP_PRS is 1.1	PSI	LIMITS are L: -2.0	PSI	H: 20.0	PSI
HP_AMP is 0.06	AMP	LIMITS are L: 0.00	AMP	H:	AMP
W1_AMP is 0.01	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W2_AMP is 0.00	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W1_LVL is 32.77	FT	LIMITS are L: 8.00	FT	H: 28.00	FT
W2_LVL is 57.41	FT	LIMITS are L: 9.00	FT	H: 52.00	FT
W1_PRS is 0.0	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
W2_PRS is 0.0	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
INTEMP is 44.6	DEG	LIMITS are L: 42.0	DEG	H: 130.0	DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 01/16/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

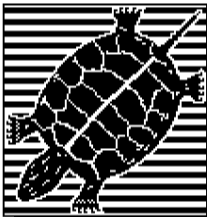
W1_GO is OFF	W2_GO is OFF	ASB_GO is OFF	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is OFF	

Analog Inputs:

W1_FLO is 0.0	GPM TOTAL FLOW is 63023435	GAL	
W2_FLO is 0.0	GPM TOTAL FLOW is 65643953	GAL	
ASBPRS is 0.2	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 728798	GAL	
HP_PRS is 1.1	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.06	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 0.01	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 0.00	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 32.61	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 57.27	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 0.0	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 0.0	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTEMP is 50.5	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 01/17/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

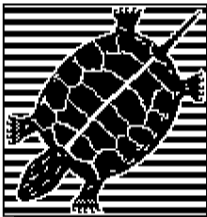
W1_GO is OFF	W2_GO is OFF	ASB_GO is OFF	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is OFF	

Analog Inputs:

W1_FLO is 0.0	GPM	TOTAL FLOW is 63023435	GAL		
W2_FLO is 0.0	GPM	TOTAL FLOW is 65643953	GAL		
ASBPRS is 0.1	IWC	LIMITS are L: 5.0	IWC	H: 30.0	IWC
HP_FLO is 0.00	GPM	TOTAL FLOW is 728798	GAL		
HP_PRS is 1.1	PSI	LIMITS are L: -2.0	PSI	H: 20.0	PSI
HP_AMP is 0.06	AMP	LIMITS are L: 0.00	AMP	H:	AMP
W1_AMP is 0.01	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W2_AMP is 0.00	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W1_LVL is 32.89	FT	LIMITS are L: 8.00	FT	H: 28.00	FT
W2_LVL is 57.41	FT	LIMITS are L: 9.00	FT	H: 52.00	FT
W1_PRS is 0.0	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
W2_PRS is 0.0	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
INTEMP is 41.9	DEG	LIMITS are L: 42.0	DEG	H: 130.0	DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

EOS Research Ltd.

Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 01/18/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

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

Analog Inputs:

W1_FLO is 0.0	GPM	TOTAL FLOW is 63023435	GAL		
W2_FLO is 0.0	GPM	TOTAL FLOW is 65643953	GAL		
ASBPRS is 0.2	IWC	LIMITS are L: 5.0	IWC	H: 30.0	IWC
HP_FLO is 0.00	GPM	TOTAL FLOW is 728798	GAL		
HP_PRS is 1.1	PSI	LIMITS are L: -2.0	PSI	H: 20.0	PSI
HP_AMP is 1.06	AMP	LIMITS are L: 0.00	AMP	H:	AMP
W1_AMP is 0.01	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W2_AMP is 0.00	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W1_LVL is 32.50	FT	LIMITS are L: 8.00	FT	H: 28.00	FT
W2_LVL is 57.10	FT	LIMITS are L: 9.00	FT	H: 52.00	FT
W1_PRS is 0.0	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
W2_PRS is 0.0	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
INTEMP is 48.8	DEG	LIMITS are L: 42.0	DEG	H: 130.0	DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ALARM Fax Report

EOS Research Ltd.

ProControl Series II+

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 14:34:58 ON 01/18/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD
FAX REPORT INITIATED BY PROCESS 20

Discrete Inputs:

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

Discrete Outputs:

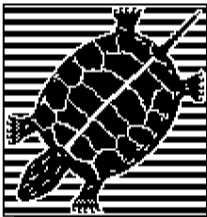
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is ON
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMGO is ON	

Analog Inputs:

W1_FLO is 0.0	GPM	TOTAL FLOW is 63023435	GAL		
W2_FLO is 22.1	GPM	TOTAL FLOW is 65643978	GAL		
ASBPRS is 10.1	IWC	LIMITS are L: 5.0	IWC	H: 30.0	IWC
HP_FLO is 2.38	GPM	TOTAL FLOW is 728800	GAL		
HP_PRS is 10.1	PSI	LIMITS are L: -2.0	PSI	H: 20.0	PSI
HP_AMP is 1.00	AMP	LIMITS are L: 0.00	AMP	H:	AMP
W1_AMP is 4.47	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W2_AMP is 4.54	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W1_LVL is 30.89	FT	LIMITS are L: 8.00	FT	H: 28.00	FT
W2_LVL is 55.72	FT	LIMITS are L: 9.00	FT	H: 52.00	FT
W1_PRS is 4.2	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
W2_PRS is 4.6	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
INTEMP is 51.1	DEG	LIMITS are L: 42.0	DEG	H: 130.0	DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 01/19/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

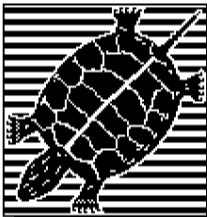
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is ON
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 0.0	GPM TOTAL FLOW is 63023435	GAL	
W2_FLO is 22.7	GPM TOTAL FLOW is 65665044	GAL	
ASBPRS is 10.8	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 729114	GAL	
HP_PRS is 1.2	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.04	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.43	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.57	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 30.73	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 55.68	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.2	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.6	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTemp is 54.0	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

EOS Research Ltd.

Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 01/20/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

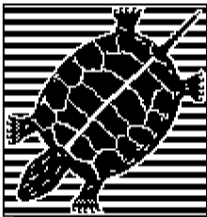
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is ON
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 0.0	GPM	TOTAL FLOW is 63023435	GAL		
W2_FLO is 22.5	GPM	TOTAL FLOW is 65697736	GAL		
ASBPRS is 10.6	IWC	LIMITS are L: 5.0	IWC	H: 30.0	IWC
HP_FLO is 2.48	GPM	TOTAL FLOW is 729504	GAL		
HP_PRS is 10.1	PSI	LIMITS are L: -2.0	PSI	H: 20.0	PSI
HP_AMP is 2.03	AMP	LIMITS are L: 0.00	AMP	H:	AMP
W1_AMP is 4.45	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W2_AMP is 4.57	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W1_LVL is 29.88	FT	LIMITS are L: 8.00	FT	H: 28.00	FT
W2_LVL is 55.34	FT	LIMITS are L: 9.00	FT	H: 52.00	FT
W1_PRS is 4.2	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
W2_PRS is 4.5	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
INTEMP is 53.7	DEG	LIMITS are L: 42.0	DEG	H: 130.0	DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 01/21/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

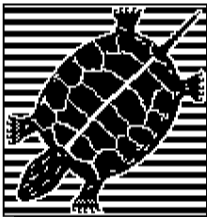
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is ON
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 0.0	GPM TOTAL FLOW is 63023435	GAL	
W2_FLO is 22.5	GPM TOTAL FLOW is 65730350	GAL	
ASBPRS is 11.2	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 730145	GAL	
HP_PRS is 1.2	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.04	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.44	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.56	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 30.42	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 55.85	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.2	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.6	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTemp is 46.5	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 01/22/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

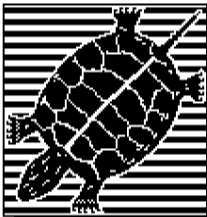
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is ON
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 0.0	GPM TOTAL FLOW is 63023435	GAL	
W2_FLO is 22.8	GPM TOTAL FLOW is 65762940	GAL	
ASBPRS is 11.3	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 730846	GAL	
HP_PRS is 1.2	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.04	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.39	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.52	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 31.18	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 56.02	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.2	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.6	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTMP is 51.6	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 01/23/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

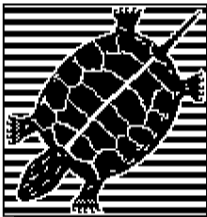
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is ON
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 0.0	GPM TOTAL FLOW is 63023435	GAL	
W2_FLO is 23.0	GPM TOTAL FLOW is 65795532	GAL	
ASBPRS is 10.9	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 731132	GAL	
HP_PRS is 1.2	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.04	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.39	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.53	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 30.68	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 55.49	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.2	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.6	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTEMP is 59.4	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 01/24/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

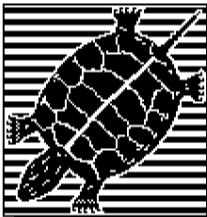
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is ON
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 0.0	GPM TOTAL FLOW is 63023435	GAL	
W2_FLO is 22.6	GPM TOTAL FLOW is 65828111	GAL	
ASBPRS is 10.3	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 731294	GAL	
HP_PRS is 1.2	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.04	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.36	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.50	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 30.50	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 55.83	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.2	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.6	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTMP is 64.7	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

EOS Research Ltd.

Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 01/25/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

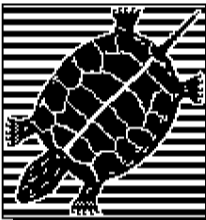
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is ON
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 0.0	GPM	TOTAL FLOW is 63023435	GAL		
W2_FLO is 22.6	GPM	TOTAL FLOW is 65860871	GAL		
ASBPRS is 10.6	IWC	LIMITS are L: 5.0	IWC	H: 30.0	IWC
HP_FLO is 0.00	GPM	TOTAL FLOW is 731510	GAL		
HP_PRS is 1.2	PSI	LIMITS are L: -2.0	PSI	H: 20.0	PSI
HP_AMP is 0.04	AMP	LIMITS are L: 0.00	AMP	H:	AMP
W1_AMP is 4.36	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W2_AMP is 4.51	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W1_LVL is 32.12	FT	LIMITS are L: 8.00	FT	H: 28.00	FT
W2_LVL is 57.41	FT	LIMITS are L: 9.00	FT	H: 52.00	FT
W1_PRS is 4.2	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
W2_PRS is 4.5	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
INTEMP is 58.8	DEG	LIMITS are L: 42.0	DEG	H: 130.0	DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

EOS Research Ltd.

Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 01/26/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

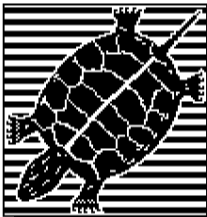
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
ATR_III is OFF	ASMPH is OFF	ASMP_L is OFF	W1_ALM is ON
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 0.0	GPM TOTAL FLOW is 63023435	GAL	
W2_FLO is 22.8	GPM TOTAL FLOW is 65893667	GAL	
ASBP RS is 11.1	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 731828	GAL	
HP_PRS is 1.2	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.04	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.38	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.53	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 31.95	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 57.01	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.2	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.6	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTMP is 54.2	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 01/27/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

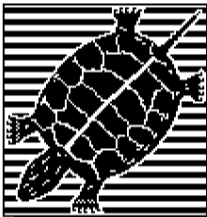
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is ON
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 0.0	GPM TOTAL FLOW is 63023435	GAL	
W2_FLO is 22.8	GPM TOTAL FLOW is 65926518	GAL	
ASBPRS is 10.8	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 732108	GAL	
HP_PRS is 1.2	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.04	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.42	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.56	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 31.48	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 56.42	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.2	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.6	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTemp is 59.5	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 01/28/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

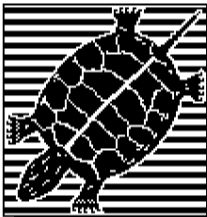
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is ON
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 0.0	GPM TOTAL FLOW is 63023435	GAL	
W2_FLO is 22.7	GPM TOTAL FLOW is 65959369	GAL	
ASBPRS is 11.2	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 732393	GAL	
HP_PRS is 1.2	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.04	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.32	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.47	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 31.42	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 56.53	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.2	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.6	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTemp is 51.4	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 01/29/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

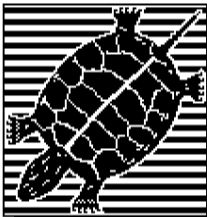
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is ON
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 0.0	GPM TOTAL FLOW is 63023435	GAL	
W2_FLO is 22.5	GPM TOTAL FLOW is 65992214	GAL	
ASBPRS is 10.8	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 732697	GAL	
HP_PRS is 1.3	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.04	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.43	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.56	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 30.96	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 56.08	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.2	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.6	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTemp is 59.0	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 01/30/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

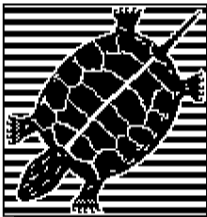
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is ON
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 0.0	GPM TOTAL FLOW is 63023435	GAL	
W2_FLO is 23.2	GPM TOTAL FLOW is 66025004	GAL	
ASBPRS is 11.1	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 732920	GAL	
HP_PRS is 1.2	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.04	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.42	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.55	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 30.87	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 56.12	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.2	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.6	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTMP is 53.8	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 01/31/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

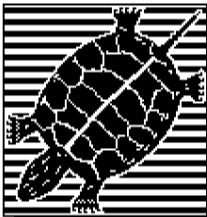
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is ON
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 0.0	GPM TOTAL FLOW is 63023435	GAL	
W2_FLO is 22.9	GPM TOTAL FLOW is 66057723	GAL	
ASBPRS is 11.4	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 2.47	GPM TOTAL FLOW is 733717	GAL	
HP_PRS is 10.2	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 1.97	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.32	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.45	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 31.03	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 56.31	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.2	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.7	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTEMP is 45.9	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 02/01/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

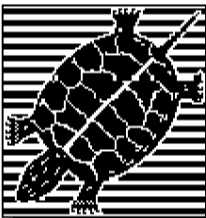
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is ON
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 0.0	GPM TOTAL FLOW is 63023435	GAL	
W2_FLO is 22.7	GPM TOTAL FLOW is 66090388	GAL	
ASBPRS is 11.6	IWC LIMITS are L: 5.0	IWC H: 30.0	IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 734603	GAL	
HP_PRS is 1.3	PSI LIMITS are L: -2.0	PSI H: 20.0	PSI
HP_AMP is 0.03	AMP LIMITS are L: 0.00	AMP H:	AMP
W1_AMP is 4.39	AMP LIMITS are L: 0.00	AMP H: 10.00	AMP
W2_AMP is 4.49	AMP LIMITS are L: 0.00	AMP H: 10.00	AMP
W1_LVL is 31.25	FT LIMITS are L: 8.00	FT H: 28.00	FT
W2_LVL is 56.38	FT LIMITS are L: 9.00	FT H: 52.00	FT
W1_PRS is 4.4	PSI LIMITS are L: 0.5	PSI H: 100.0	PSI
W2_PRS is 4.7	PSI LIMITS are L: 0.5	PSI H: 100.0	PSI
INTemp is 44.3	DEG LIMITS are L: 42.0	DEG H: 130.0	DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECAS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 02/02/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 . LAST SHUTDOWN @ 10.13.24 ON 00/15/2010 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

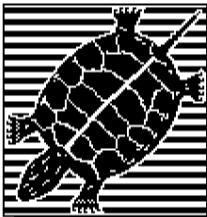
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is ON
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPEGO is ON	

Analog Inputs:

W1_FLO is 0.0	GPM	TOTAL FLOW is 63023435	GAL		
W2_FLO is 22.2	GPM	TOTAL FLOW is 66122752	GAL		
ASBPERS is 11.4	IWC	LIMITS are L: 5.0	IWC	H: 30.0	IWC
HP_FLO is 2.46	GPM	TOTAL FLOW is 735356	GAL		
HP_PRS is 10.1	PSI	LIMITS are L: -2.0	PSI	H: 20.0	PSI
HP_AMP is 2.00	AMP	LIMITS are L: 0.00	AMP	H:	AMP
W1_AMP is 4.36	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W2_AMP is 4.48	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W1_LVL is 31.12	FT	LIMITS are L: 8.00	FT	H: 28.00	FT
W2_LVL is 56.12	FT	LIMITS are L: 9.00	FT	H: 52.00	FT
W1_PRS is 4.3	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
W2_PRS is 4.7	PST	LIMITS are L: 0.5	PST	H: 100.0	PST
INTEMP is 47.4	DEG	LIMITS are L: 42.0	DEG	H: 130.0	DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

EOS Research Ltd.

Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 02/02/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

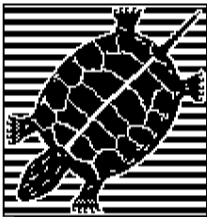
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is ON
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 0.0	GPM	TOTAL FLOW is 63023435	GAL		
W2_FLO is 22.2	GPM	TOTAL FLOW is 66122752	GAL		
ASBPRS is 11.4	IWC	LIMITS are L: 5.0	IWC	H: 30.0	IWC
HP_FLO is 2.46	GPM	TOTAL FLOW is 735356	GAL		
HP_PRS is 10.1	PSI	LIMITS are L: -2.0	PSI	H: 20.0	PSI
HP_AMP is 2.00	AMP	LIMITS are L: 0.00	AMP	H:	AMP
W1_AMP is 4.36	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W2_AMP is 4.48	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W1_LVL is 31.12	FT	LIMITS are L: 8.00	FT	H: 28.00	FT
W2_LVL is 56.12	FT	LIMITS are L: 9.00	FT	H: 52.00	FT
W1_PRS is 4.3	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
W2_PRS is 4.7	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
INTEMP is 47.4	DEG	LIMITS are L: 42.0	DEG	H: 130.0	DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 02/03/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

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

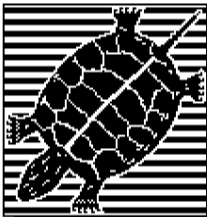
Analog Inputs:

W1_FLO is 0.0	GPM TOTAL FLOW is 63023435	GAL	
W2_FLO is 22.2	GPM TOTAL FLOW is 66155091	GAL	
ASBPRS is 10.7	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 735697	GAL	
HP_PRS is 1.2	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.04	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.40	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.53	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 30.88	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 55.85	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.3	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.6	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTemp is 61.2	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN





ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 02/06/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

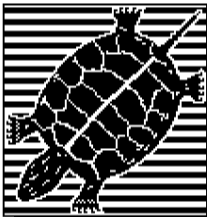
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is ON
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 0.0	GPM TOTAL FLOW is 63023435	GAL	
W2_FLO is 23.4	GPM TOTAL FLOW is 66223231	GAL	
ASBPRS is 10.8	IWC LIMITS are L: 5.0	IWC H: 30.0	IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 735982	GAL	
HP_PRS is 1.2	PSI LIMITS are L: -2.0	PSI H: 20.0	PSI
HP_AMP is 0.04	AMP LIMITS are L: 0.00	AMP H:	AMP
W1_AMP is 4.32	AMP LIMITS are L: 0.00	AMP H: 10.00	AMP
W2_AMP is 4.47	AMP LIMITS are L: 0.00	AMP H: 10.00	AMP
W1_LVL is 31.88	FT LIMITS are L: 8.00	FT H: 28.00	FT
W2_LVL is 56.59	FT LIMITS are L: 9.00	FT H: 52.00	FT
W1_PRS is 4.2	PSI LIMITS are L: 0.5	PSI H: 100.0	PSI
W2_PRS is 4.5	PSI LIMITS are L: 0.5	PSI H: 100.0	PSI
INTemp is 61.3	DEG LIMITS are L: 42.0	DEG H: 130.0	DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 02/07/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

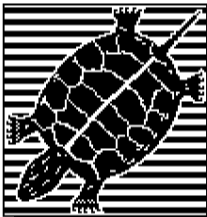
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is ON
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 0.0	GPM TOTAL FLOW is 63023435	GAL	
W2_FLO is 22.8	GPM TOTAL FLOW is 66256174	GAL	
ASBPRS is 10.7	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 2.48	GPM TOTAL FLOW is 736118	GAL	
HP_PRS is 10.1	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 18.32	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.29	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.45	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 31.87	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 56.72	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.2	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.6	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTMP is 63.2	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 02/08/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

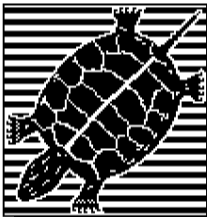
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is ON
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 0.0	GPM TOTAL FLOW is 63023435	GAL	
W2_FLO is 23.0	GPM TOTAL FLOW is 66289120	GAL	
ASBPRS is 10.3	IWC LIMITS are L: 5.0	IWC H: 30.0	IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 736246	GAL	
HP_PRS is 1.2	PSI LIMITS are L: -2.0	PSI H: 20.0	PSI
HP_AMP is 0.04	AMP LIMITS are L: 0.00	AMP H:	AMP
W1_AMP is 4.42	AMP LIMITS are L: 0.00	AMP H: 10.00	AMP
W2_AMP is 4.58	AMP LIMITS are L: 0.00	AMP H: 10.00	AMP
W1_LVL is 32.34	FT LIMITS are L: 8.00	FT H: 28.00	FT
W2_LVL is 57.48	FT LIMITS are L: 9.00	FT H: 52.00	FT
W1_PRS is 4.1	PSI LIMITS are L: 0.5	PSI H: 100.0	PSI
W2_PRS is 4.5	PSI LIMITS are L: 0.5	PSI H: 100.0	PSI
INTemp is 65.1	DEG LIMITS are L: 42.0	DEG H: 130.0	DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 02/09/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

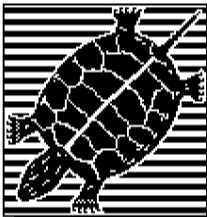
W1_GO is OFF	W2_GO is OFF	ASB_GO is OFF	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is OFF	

Analog Inputs:

W1_FLO is 0.0	GPM TOTAL FLOW is 63023435	GAL	
W2_FLO is 0.0	GPM TOTAL FLOW is 66310777	GAL	
ASBPRS is 0.2	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 736371	GAL	
HP_PRS is 1.1	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 1.06	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 0.01	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 0.00	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 35.03	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 59.06	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 0.0	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 0.0	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTMP is 52.3	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 02/10/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

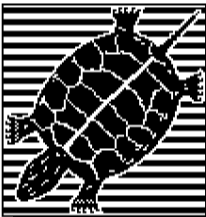
W1_GO is OFF	W2_GO is OFF	ASB_GO is OFF	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is OFF	

Analog Inputs:

W1_FLO is 0.0	GPM	TOTAL FLOW is 63023435	GAL		
W2_FLO is 0.0	GPM	TOTAL FLOW is 66310777	GAL		
ASBPRS is 0.2	IWC	LIMITS are L: 5.0	IWC	H: 30.0	IWC
HP_FLO is 0.00	GPM	TOTAL FLOW is 736371	GAL		
HP_PRS is 1.0	PSI	LIMITS are L: -2.0	PSI	H: 20.0	PSI
HP_AMP is 1.14	AMP	LIMITS are L: 0.00	AMP	H:	AMP
W1_AMP is 0.01	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W2_AMP is 0.00	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W1_LVL is 34.76	FT	LIMITS are L: 8.00	FT	H: 28.00	FT
W2_LVL is 58.45	FT	LIMITS are L: 9.00	FT	H: 52.00	FT
W1_PRS is 0.0	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
W2_PRS is 0.0	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
INTEMP is 53.5	DEG	LIMITS are L: 42.0	DEG	H: 130.0	DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 02/11/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 10:13:24 ON 08/15/2018 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

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

Analog Inputs:

W1_FLO is 0.0	GPM	TOTAL FLOW is 63023435	GAL		
W2_FLO is 0.0	GPM	TOTAL FLOW is 66310777	GAL		
ASBPRS is 0.2	IWC	LIMITS are L: 5.0	IWC	H: 30.0	IWC
HP_FLO is 0.00	GPM	TOTAL FLOW is 736371	GAL		
HP_PRS is 1.0	PSI	LIMITS are L: -2.0	PSI	H: 20.0	PSI
HP_AMP is 0.05	AMP	LIMITS are L: 0.00	AMP	H:	AMP
W1_AMP is 0.01	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W2_AMP is 0.00	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W1_LVL is 34.14	FT	LIMITS are L: 8.00	FT	H: 28.00	FT
W2_LVL is 58.07	FT	LIMITS are L: 9.00	FT	H: 52.00	FT
W1_PRS is 0.0	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
W2_PRS is 0.0	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
INTEMP is 57.3	DEG	LIMITS are L: 42.0	DEG	H: 130.0	DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ALARM Fax Report

EOS Research Ltd.

ProControl Series II+

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 10:27:50 ON 02/11/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:22:30 ON 02/11/2019 BY KEYPAD
FAX REPORT INITIATED BY PROCESS 20

Discrete Inputs:

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

Discrete Outputs:

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

Analog Inputs:

W1_FLO is 0.0	GPM	TOTAL FLOW is 63023780	GAL		
W2_FLO is 22.9	GPM	TOTAL FLOW is 66310834	GAL		
ASBPRS is 10.5	IWC	LIMITS are L: 5.0	IWC	H: 30.0	IWC
HP_FLO is 0.00	GPM	TOTAL FLOW is 736380	GAL		
HP_PRS is 1.3	PSI	LIMITS are L: -2.0	PSI	H: 20.0	PSI
HP_AMP is 0.06	AMP	LIMITS are L: 0.00	AMP	H:	AMP
W1_AMP is 4.37	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W2_AMP is 4.50	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W1_LVL is 32.43	FT	LIMITS are L: 8.00	FT	H: 28.00	FT
W2_LVL is 56.67	FT	LIMITS are L: 9.00	FT	H: 52.00	FT
W1_PRS is 4.3	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
W2_PRS is 4.6	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
INTEMP is 56.0	DEG	LIMITS are L: 42.0	DEG	H: 130.0	DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ALARM Fax Report

EOS Research Ltd.

ProControl Series II+

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 10:47:23 ON 02/11/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:41:57 ON 02/11/2019 BY KEYPAD
FAX REPORT INITIATED BY PROCESS 20

Discrete Inputs:

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

Discrete Outputs:

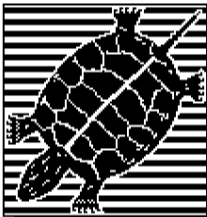
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is ON
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 0.0	GPM	TOTAL FLOW is 63023783	GAL		
W2_FLO is 22.6	GPM	TOTAL FLOW is 66310936	GAL		
ASBPRS is 10.5	IWC	LIMITS are L: 5.0	IWC	H: 30.0	IWC
HP_FLO is 0.00	GPM	TOTAL FLOW is 736411	GAL		
HP_PRS is 1.2	PSI	LIMITS are L: -2.0	PSI	H: 20.0	PSI
HP_AMP is 0.04	AMP	LIMITS are L: 0.00	AMP	H:	AMP
W1_AMP is 4.35	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W2_AMP is 4.46	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W1_LVL is 32.39	FT	LIMITS are L: 8.00	FT	H: 28.00	FT
W2_LVL is 56.63	FT	LIMITS are L: 9.00	FT	H: 52.00	FT
W1_PRS is 4.3	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
W2_PRS is 4.6	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
INTEMP is 58.1	DEG	LIMITS are L: 42.0	DEG	H: 130.0	DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 02/12/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:41:57 ON 02/11/2019 BY KEYPAD

Discrete Inputs:

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

Discrete Outputs:

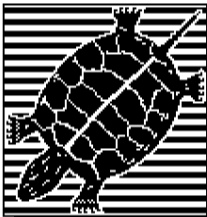
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is ON
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 0.0	GPM TOTAL FLOW is 63023783	GAL	
W2_FLO is 22.6	GPM TOTAL FLOW is 66337088	GAL	
ASBPRS is 10.9	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 2.46	GPM TOTAL FLOW is 736504	GAL	
HP_PRS is 10.0	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 2.21	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.38	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.48	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 31.78	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 56.36	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.2	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.5	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTMP is 60.0	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 02/13/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:41:57 ON 02/11/2019 BY KEYPAD

Discrete Inputs:

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

Discrete Outputs:

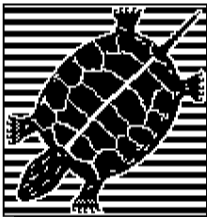
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is ON
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 0.0	GPM TOTAL FLOW is 63023783	GAL	
W2_FLO is 22.8	GPM TOTAL FLOW is 66369669	GAL	
ASBPRS is 10.6	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 736608	GAL	
HP_PRS is 1.2	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.04	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.39	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.50	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 30.83	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 56.00	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.2	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.5	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTemp is 61.4	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 02/14/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:41:57 ON 02/11/2019 BY KEYPAD

Discrete Inputs:

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

Discrete Outputs:

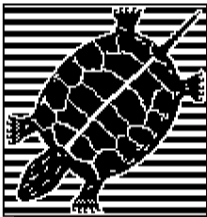
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is ON
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 0.0	GPM TOTAL FLOW is 63023783	GAL	
W2_FLO is 23.0	GPM TOTAL FLOW is 66402221	GAL	
ASBPRS is 10.8	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 736740	GAL	
HP_PRS is 1.3	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.04	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.39	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.51	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 31.03	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 56.06	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.2	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.6	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTMP is 59.9	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 02/15/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P20 : LAST SHUTDOWN @ 10:41:57 ON 02/11/2019 BY KEYPAD

Discrete Inputs:

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

Discrete Outputs:

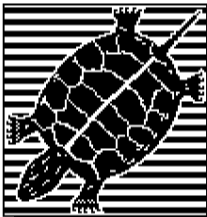
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is ON
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 0.0	GPM TOTAL FLOW is 63023783	GAL	
W2_FLO is 22.7	GPM TOTAL FLOW is 66434742	GAL	
ASBPRS is 10.5	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 736831	GAL	
HP_PRS is 1.2	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.04	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.42	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.52	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 30.71	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 55.77	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.2	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.6	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTMP is 63.7	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 02/16/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 10:16:41 ON 02/15/2019 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

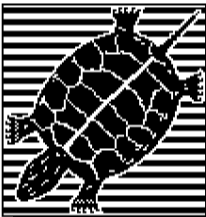
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 16.8	GPM TOTAL FLOW is 63044153	GAL	
W2_FLO is 22.6	GPM TOTAL FLOW is 66465995	GAL	
ASBPRS is 10.7	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 736866	GAL	
HP_PRS is 1.2	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.00	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.44	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.49	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 30.76	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 55.93	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.3	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.5	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTEMP is 62.1	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 02/17/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 10:16:41 ON 02/15/2019 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

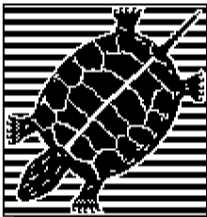
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 16.7	GPM TOTAL FLOW is 63068669	GAL	
W2_FLO is 22.0	GPM TOTAL FLOW is 66498363	GAL	
ASBPRS is 10.9	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 736866	GAL	
HP_PRS is 1.3	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.00	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.44	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.50	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 30.90	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 55.83	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.3	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.6	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTEMP is 59.4	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 02/18/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 10:16:41 ON 02/15/2019 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

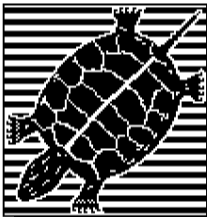
W1_GO is OFF	W2_GO is OFF	ASB_GO is OFF	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is OFF	

Analog Inputs:

W1_FLO is 0.0	GPM	TOTAL FLOW is 63089723	GAL		
W2_FLO is 0.0	GPM	TOTAL FLOW is 66526251	GAL		
ASBPRS is 0.3	IWC	LIMITS are L: 5.0	IWC	H: 30.0	IWC
HP_FLO is 0.00	GPM	TOTAL FLOW is 736866	GAL		
HP_PRS is 0.9	PSI	LIMITS are L: -2.0	PSI	H: 20.0	PSI
HP_AMP is 0.01	AMP	LIMITS are L: 0.00	AMP	H:	AMP
W1_AMP is 0.01	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W2_AMP is 0.00	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W1_LVL is 32.48	FT	LIMITS are L: 8.00	FT	H: 28.00	FT
W2_LVL is 57.08	FT	LIMITS are L: 9.00	FT	H: 52.00	FT
W1_PRS is 0.0	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
W2_PRS is 0.0	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
INTMP is 64.3	DEG	LIMITS are L: 42.0	DEG	H: 130.0	DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 02/19/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 10:16:41 ON 02/15/2019 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

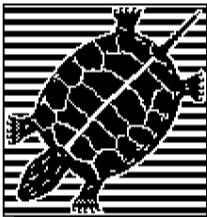
W1_GO is OFF	W2_GO is OFF	ASB_GO is OFF	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is OFF	

Analog Inputs:

W1_FLO is 0.0	GPM	TOTAL FLOW is 63089723	GAL		
W2_FLO is 0.0	GPM	TOTAL FLOW is 66526251	GAL		
ASBPRS is 0.2	IWC	LIMITS are L: 5.0	IWC	H: 30.0	IWC
HP_FLO is 0.00	GPM	TOTAL FLOW is 736866	GAL		
HP_PRS is 1.0	PSI	LIMITS are L: -2.0	PSI	H: 20.0	PSI
HP_AMP is 0.01	AMP	LIMITS are L: 0.00	AMP	H:	AMP
W1_AMP is 0.01	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W2_AMP is 0.00	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W1_LVL is 33.21	FT	LIMITS are L: 8.00	FT	H: 28.00	FT
W2_LVL is 57.27	FT	LIMITS are L: 9.00	FT	H: 52.00	FT
W1_PRS is 0.0	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
W2_PRS is 0.0	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
INTMP is 57.1	DEG	LIMITS are L: 42.0	DEG	H: 130.0	DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 02/20/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P36 : LAST SHUTDOWN @ 10:16:41 ON 02/15/2019 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

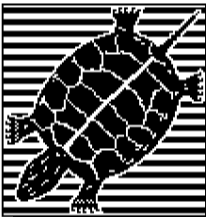
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 17.6	GPM TOTAL FLOW is 63111460	GAL	
W2_FLO is 22.8	GPM TOTAL FLOW is 66554494	GAL	
ASBPRS is 11.3	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 736866	GAL	
HP_PRS is 1.2	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.00	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.44	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.49	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 31.06	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 55.55	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.4	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.7	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTMP is 54.9	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 02/21/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P36 : LAST SHUTDOWN @ 10:16:41 ON 02/15/2019 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

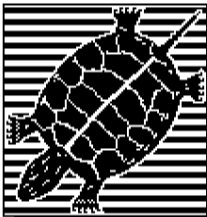
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 17.3	GPM TOTAL FLOW is 63136684	GAL	
W2_FLO is 22.7	GPM TOTAL FLOW is 66587277	GAL	
ASBPRS is 10.6	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 736866	GAL	
HP_PRS is 1.2	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.00	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.45	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.51	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 30.37	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 55.36	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.3	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.6	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTMP is 64.7	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

EOS Research Ltd.

Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 02/22/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P36 : LAST SHUTDOWN @ 10:16:41 ON 02/15/2019 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

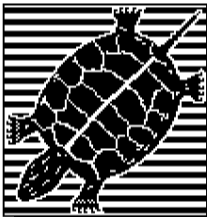
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 17.9	GPM TOTAL FLOW is 63161833	GAL	
W2_FLO is 22.4	GPM TOTAL FLOW is 66620008	GAL	
ASBPRS is 10.7	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 736866	GAL	
HP_PRS is 1.2	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.00	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.47	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.53	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 30.77	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 55.47	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.3	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.6	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTEMP is 64.7	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 02/23/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P36 : LAST SHUTDOWN @ 10:16:41 ON 02/15/2019 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

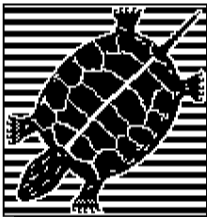
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 17.1	GPM	TOTAL FLOW is 63186951	GAL		
W2_FLO is 23.2	GPM	TOTAL FLOW is 66652719	GAL		
ASBPRS is 11.2	IWC	LIMITS are L: 5.0	IWC	H: 30.0	IWC
HP_FLO is 0.00	GPM	TOTAL FLOW is 736866	GAL		
HP_PRS is 1.3	PSI	LIMITS are L: -2.0	PSI	H: 20.0	PSI
HP_AMP is 0.00	AMP	LIMITS are L: 0.00	AMP	H:	AMP
W1_AMP is 4.49	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W2_AMP is 4.55	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W1_LVL is 30.92	FT	LIMITS are L: 8.00	FT	H: 28.00	FT
W2_LVL is 55.45	FT	LIMITS are L: 9.00	FT	H: 52.00	FT
W1_PRS is 4.3	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
W2_PRS is 4.7	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
INTEMP is 58.8	DEG	LIMITS are L: 42.0	DEG	H: 130.0	DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 02/24/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P36 : LAST SHUTDOWN @ 10:16:41 ON 02/15/2019 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

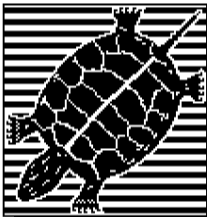
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 17.4	GPM TOTAL FLOW is 63212024	GAL	
W2_FLO is 23.0	GPM TOTAL FLOW is 66685406	GAL	
ASBPRS is 10.5	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 736866	GAL	
HP_PRS is 1.2	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.00	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.52	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.57	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 30.12	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 55.17	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.3	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.6	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTEMP is 66.8	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 02/25/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P36 : LAST SHUTDOWN @ 10:16:41 ON 02/15/2019 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

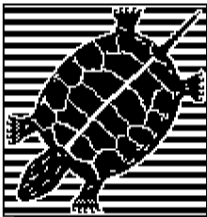
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 17.4	GPM TOTAL FLOW is 63237093	GAL	
W2_FLO is 22.8	GPM TOTAL FLOW is 66718062	GAL	
ASBPRS is 10.6	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 736866	GAL	
HP_PRS is 1.3	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.00	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.52	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.57	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 30.16	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 55.53	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.3	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.6	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTMP is 60.0	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 02/26/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P36 : LAST SHUTDOWN @ 10:16:41 ON 02/15/2019 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

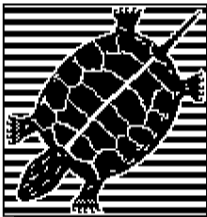
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 17.8	GPM TOTAL FLOW is 63262215	GAL	
W2_FLO is 22.6	GPM TOTAL FLOW is 66750713	GAL	
ASBPRS is 11.1	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 736866	GAL	
HP_PRS is 1.2	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.00	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.43	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.49	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 30.72	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 55.51	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.3	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.7	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTEMP is 58.5	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 02/27/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P36 : LAST SHUTDOWN @ 10:16:41 ON 02/15/2019 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

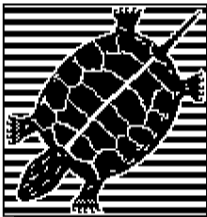
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 17.6	GPM TOTAL FLOW is 63287295	GAL	
W2_FLO is 22.2	GPM TOTAL FLOW is 66783345	GAL	
ASBPRS is 11.1	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 736866	GAL	
HP_PRS is 1.3	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.00	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.52	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.56	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 30.81	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 55.47	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.4	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.8	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTEMP is 55.9	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 02/28/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P36 : LAST SHUTDOWN @ 10:16:41 ON 02/15/2019 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

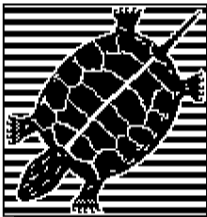
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 17.8	GPM TOTAL FLOW is 63312357	GAL	
W2_FLO is 22.5	GPM TOTAL FLOW is 66815952	GAL	
ASBPRS is 10.9	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 736866	GAL	
HP_PRS is 1.2	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.00	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.46	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.51	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 30.48	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 55.41	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.3	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.6	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTEMP is 57.8	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 03/01/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P36 : LAST SHUTDOWN @ 10:16:41 ON 02/15/2019 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

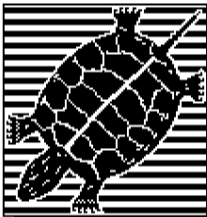
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 17.8	GPM TOTAL FLOW is 63337319	GAL	
W2_FLO is 22.6	GPM TOTAL FLOW is 66848559	GAL	
ASBPRS is 11.1	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 736866	GAL	
HP_PRS is 1.3	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.00	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.46	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.53	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 30.57	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 55.36	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.4	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.7	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTMP is 59.2	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 03/02/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P36 : LAST SHUTDOWN @ 10:16:41 ON 02/15/2019 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

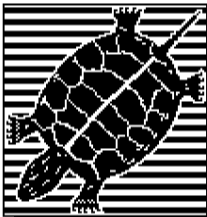
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 17.3	GPM TOTAL FLOW is 63362214	GAL	
W2_FLO is 22.6	GPM TOTAL FLOW is 66881162	GAL	
ASBPRS is 10.7	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 736866	GAL	
HP_PRS is 1.2	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.00	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.47	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.53	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 30.39	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 55.17	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.3	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.7	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTMP is 63.6	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 03/03/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P36 : LAST SHUTDOWN @ 10:16:41 ON 02/15/2019 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

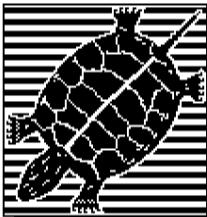
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 17.1	GPM TOTAL FLOW is 63387081	GAL	
W2_FLO is 22.7	GPM TOTAL FLOW is 66913748	GAL	
ASBPRS is 10.8	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 736866	GAL	
HP_PRS is 1.2	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.00	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.47	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.54	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 30.38	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 55.20	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.3	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.6	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTEMP is 63.7	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 03/04/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P36 : LAST SHUTDOWN @ 10:16:41 ON 02/15/2019 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

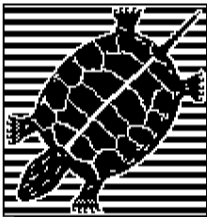
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 17.1	GPM TOTAL FLOW is 63411941	GAL	
W2_FLO is 22.2	GPM TOTAL FLOW is 66946323	GAL	
ASBPRS is 10.7	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 736866	GAL	
HP_PRS is 1.2	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.00	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.43	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.50	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 30.01	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 55.07	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.4	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.6	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTMP is 61.7	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 03/05/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P36 : LAST SHUTDOWN @ 10:16:41 ON 02/15/2019 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

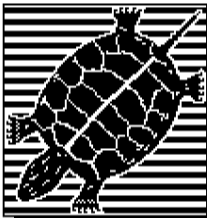
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 17.1	GPM TOTAL FLOW is 63436773	GAL	
W2_FLO is 22.5	GPM TOTAL FLOW is 66978920	GAL	
ASBPRS is 11.4	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 736866	GAL	
HP_PRS is 1.3	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.00	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.46	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.51	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 30.09	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 55.24	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.4	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.7	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTEMP is 52.1	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 03/06/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P36 : LAST SHUTDOWN @ 10:16:41 ON 02/15/2019 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

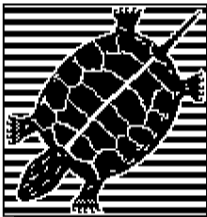
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 16.9	GPM TOTAL FLOW is 63461601	GAL	
W2_FLO is 22.4	GPM TOTAL FLOW is 67011507	GAL	
ASBPRS is 11.1	IWC LIMITS are L: 5.0	IWC H: 30.0	IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 736866	GAL	
HP_PRS is 1.3	PSI LIMITS are L: -2.0	PSI H: 20.0	PSI
HP_AMP is 0.00	AMP LIMITS are L: 0.00	AMP H:	AMP
W1_AMP is 4.49	AMP LIMITS are L: 0.00	AMP H: 10.00	AMP
W2_AMP is 4.57	AMP LIMITS are L: 0.00	AMP H: 10.00	AMP
W1_LVL is 30.11	FT LIMITS are L: 8.00	FT H: 28.00	FT
W2_LVL is 55.17	FT LIMITS are L: 9.00	FT H: 52.00	FT
W1_PRS is 4.4	PSI LIMITS are L: 0.5	PSI H: 100.0	PSI
W2_PRS is 4.7	PSI LIMITS are L: 0.5	PSI H: 100.0	PSI
INTEMP is 54.3	DEG LIMITS are L: 42.0	DEG H: 130.0	DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 03/07/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P36 : LAST SHUTDOWN @ 10:16:41 ON 02/15/2019 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

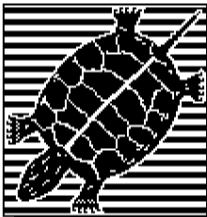
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 16.6	GPM TOTAL FLOW is 63486406	GAL	
W2_FLO is 22.6	GPM TOTAL FLOW is 67044070	GAL	
ASBPRS is 11.3	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 736866	GAL	
HP_PRS is 1.3	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.00	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.45	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.52	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 30.27	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 55.28	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.4	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.7	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTMP is 51.7	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

EOS Research Ltd.

Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 03/08/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P36 : LAST SHUTDOWN @ 10:16:41 ON 02/15/2019 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

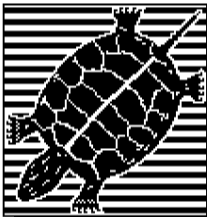
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 16.9	GPM TOTAL FLOW is 63511162	GAL	
W2_FLO is 22.7	GPM TOTAL FLOW is 67076675	GAL	
ASBPRS is 11.4	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 736866	GAL	
HP_PRS is 1.3	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.00	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.47	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.55	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 30.50	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 55.34	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.4	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.8	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTMP is 49.3	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

EOS Research Ltd.

Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 03/09/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P36 : LAST SHUTDOWN @ 10:16:41 ON 02/15/2019 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

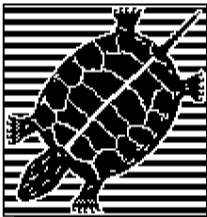
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 16.7	GPM	TOTAL FLOW is 63535891	GAL		
W2_FLO is 22.6	GPM	TOTAL FLOW is 67109262	GAL		
ASBPRS is 11.2	IWC	LIMITS are L: 5.0	IWC	H: 30.0	IWC
HP_FLO is 0.00	GPM	TOTAL FLOW is 736866	GAL		
HP_PRS is 1.3	PSI	LIMITS are L: -2.0	PSI	H: 20.0	PSI
HP_AMP is 0.00	AMP	LIMITS are L: 0.00	AMP	H:	AMP
W1_AMP is 4.46	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W2_AMP is 4.53	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W1_LVL is 30.28	FT	LIMITS are L: 8.00	FT	H: 28.00	FT
W2_LVL is 55.17	FT	LIMITS are L: 9.00	FT	H: 52.00	FT
W1_PRS is 4.4	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
W2_PRS is 4.7	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
INTEMP is 53.4	DEG	LIMITS are L: 42.0	DEG	H: 130.0	DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 03/10/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P36 : LAST SHUTDOWN @ 10:16:41 ON 02/15/2019 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

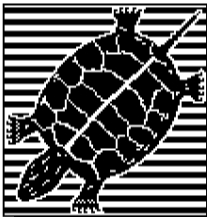
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 17.7	GPM TOTAL FLOW is 63560589	GAL	
W2_FLO is 22.7	GPM TOTAL FLOW is 67141816	GAL	
ASBPRS is 10.7	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 736866	GAL	
HP_PRS is 1.2	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.01	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.52	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.59	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 30.09	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 54.94	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.4	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.7	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTMP is 64.1	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 03/11/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P36 : LAST SHUTDOWN @ 10:16:41 ON 02/15/2019 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

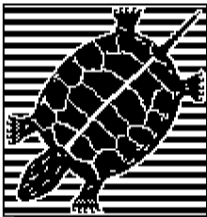
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 17.2	GPM TOTAL FLOW is 63585258	GAL	
W2_FLO is 22.1	GPM TOTAL FLOW is 67174365	GAL	
ASBPRS is 10.7	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 736866	GAL	
HP_PRS is 1.2	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.00	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.47	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.55	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 30.06	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 54.96	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.3	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.7	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTMP is 64.7	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 03/12/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P36 : LAST SHUTDOWN @ 10:16:41 ON 02/15/2019 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

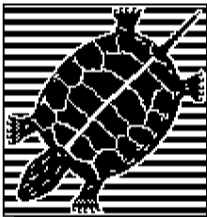
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 17.4	GPM TOTAL FLOW is 63609900	GAL	
W2_FLO is 22.8	GPM TOTAL FLOW is 67206903	GAL	
ASBPRS is 10.8	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 736866	GAL	
HP_PRS is 1.3	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.00	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.48	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.54	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 30.21	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 55.01	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.4	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.6	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTMP is 62.4	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 03/13/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P36 : LAST SHUTDOWN @ 10:16:41 ON 02/15/2019 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

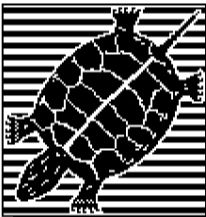
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 17.4	GPM TOTAL FLOW is 63634504	GAL	
W2_FLO is 22.6	GPM TOTAL FLOW is 67239434	GAL	
ASBPRS is 11.1	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 736866	GAL	
HP_PRS is 1.2	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.00	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.40	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.49	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 30.32	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 55.01	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.3	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.6	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTMP is 56.4	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

EOS Research Ltd.

Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 03/14/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P36 : LAST SHUTDOWN @ 10:16:41 ON 02/15/2019 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

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

Analog Inputs:

W1_FLO is 16.8	GPM	TOTAL FLOW is 63659083	GAL		
W2_FLO is 22.3	GPM	TOTAL FLOW is 67271958	GAL		
ASBPRS is 10.6	IWC	LIMITS are L: 5.0	IWC	H: 30.0	IWC
HP_FLO is 0.00	GPM	TOTAL FLOW is 736866	GAL		
HP_PRS is 1.2	PSI	LIMITS are L: -2.0	PSI	H: 20.0	PSI
HP_AMP is 0.01	AMP	LIMITS are L: 0.00	AMP	H:	AMP
W1_AMP is 4.46	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W2_AMP is 4.54	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W1_LVL is 30.21	FT	LIMITS are L: 8.00	FT	H: 28.00	FT
W2_LVL is 54.88	FT	LIMITS are L: 9.00	FT	H: 52.00	FT
W1_PRS is 4.3	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
W2_PRS is 4.6	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
INTEMP is 67.7	DEG	LIMITS are L: 42.0	DEG	H: 130.0	DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ALARM Fax Report

EOS Research Ltd.

ProControl Series II+

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 11:56:04 ON 03/14/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

SHUTD : LAST SHUTDOWN @ 10:16:41 ON 02/15/2019 BY ASBVFD
FAX REPORT INITIATED BY PROCESS 29

Discrete Inputs:

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

Discrete Outputs:

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

Analog Inputs:

W1_FLO is 0.0	GPM	TOTAL FLOW is 63665133	GAL		
W2_FLO is 0.0	GPM	TOTAL FLOW is 67279977	GAL		
ASBPRS is 0.3	IWC	LIMITS are L: 5.0	IWC	H: 30.0	IWC
HP_FLO is 2.44	GPM	TOTAL FLOW is 736980	GAL		
HP_PRS is 10.0	PSI	LIMITS are L: -2.0	PSI	H: 20.0	PSI
HP_AMP is 1.76	AMP	LIMITS are L: 0.00	AMP	H:	AMP
W1_AMP is 0.01	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W2_AMP is 0.00	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W1_LVL is 31.62	FT	LIMITS are L: 8.00	FT	H: 28.00	FT
W2_LVL is 56.21	FT	LIMITS are L: 9.00	FT	H: 52.00	FT
W1_PRS is 0.0	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
W2_PRS is 0.0	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
INTEMP is 63.5	DEG	LIMITS are L: 42.0	DEG	H: 130.0	DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ALARM Fax Report

EOS Research Ltd.

ProControl Series II+

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 12:17:45 ON 03/14/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 12:06:04 ON 03/14/2019 BY ASBVFD
FAX REPORT INITIATED BY KEYPAD

Discrete Inputs:

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

Discrete Outputs:

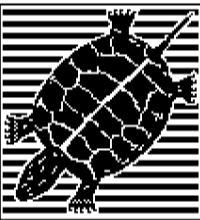
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 17.3	GPM	TOTAL FLOW is 63665193	GAL		
W2_FLO is 22.0	GPM	TOTAL FLOW is 67280053	GAL		
ASBPRS is 10.2	IWC	LIMITS are L: 5.0	IWC	H: 30.0	IWC
HP_FLO is 0.11	GPM	TOTAL FLOW is 736994	GAL		
HP_PRS is 1.2	PSI	LIMITS are L: -2.0	PSI	H: 20.0	PSI
HP_AMP is 0.09	AMP	LIMITS are L: 0.00	AMP	H:	AMP
W1_AMP is 4.51	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W2_AMP is 4.53	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W1_LVL is 30.09	FT	LIMITS are L: 8.00	FT	H: 28.00	FT
W2_LVL is 54.92	FT	LIMITS are L: 9.00	FT	H: 52.00	FT
W1_PRS is 4.3	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
W2_PRS is 4.6	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
INTEMP is 62.7	DEG	LIMITS are L: 42.0	DEG	H: 130.0	DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ALARM Fax Report

EOS Research Ltd.

ProControl Series II+

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 12:23:04 ON 03/14/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 12:06:04 ON 03/14/2019 BY ASBVFD
FAX REPORT INITIATED BY KEYPAD

Discrete Inputs:

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

Discrete Outputs:

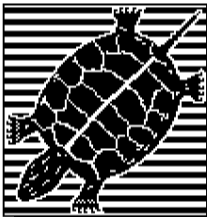
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 17.4	GPM	TOTAL FLOW is 63665287	GAL		
W2_FLO is 22.0	GPM	TOTAL FLOW is 67280168	GAL		
ASBPRS is 10.3	IWC	LIMITS are L: 5.0	IWC	H: 30.0	IWC
HP_FLO is 0.00	GPM	TOTAL FLOW is 736994	GAL		
HP_PRS is 1.2	PSI	LIMITS are L: -2.0	PSI	H: 20.0	PSI
HP_AMP is 0.09	AMP	LIMITS are L: 0.00	AMP	H:	AMP
W1_AMP is 4.48	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W2_AMP is 4.49	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W1_LVL is 30.04	FT	LIMITS are L: 8.00	FT	H: 28.00	FT
W2_LVL is 54.90	FT	LIMITS are L: 9.00	FT	H: 52.00	FT
W1_PRS is 4.3	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
W2_PRS is 4.6	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
INTEMP is 63.1	DEG	LIMITS are L: 42.0	DEG	H: 130.0	DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 03/15/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 12:06:04 ON 03/14/2019 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

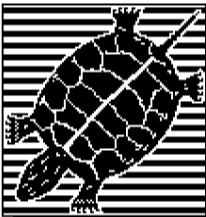
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 17.6	GPM TOTAL FLOW is 63683866	GAL	
W2_FLO is 22.0	GPM TOTAL FLOW is 67303266	GAL	
ASBPRS is 10.3	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 736994	GAL	
HP_PRS is 1.2	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.08	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.48	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.51	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 30.38	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 55.68	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.2	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.5	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTEMP is 72.3	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 03/16/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 12:06:04 ON 03/14/2019 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

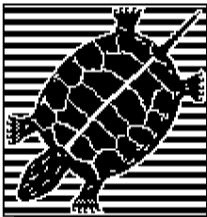
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 17.5	GPM TOTAL FLOW is 63709476	GAL	
W2_FLO is 22.0	GPM TOTAL FLOW is 67334859	GAL	
ASBPRS is 10.6	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 736994	GAL	
HP_PRS is 1.2	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.08	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.56	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.56	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 32.21	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 57.43	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.2	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.5	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTEMP is 66.1	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 03/17/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 12:06:04 ON 03/14/2019 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

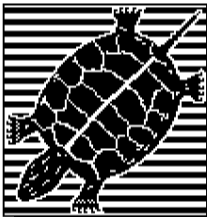
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 17.9	GPM TOTAL FLOW is 63735126	GAL	
W2_FLO is 21.6	GPM TOTAL FLOW is 67366470	GAL	
ASBPRS is 10.9	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 736994	GAL	
HP_PRS is 1.3	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.08	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.46	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.48	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 31.73	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 56.61	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.3	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.6	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTEMP is 61.5	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 03/18/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 12:06:04 ON 03/14/2019 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

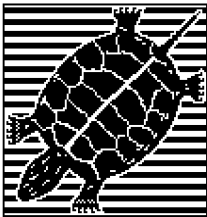
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 17.2	GPM TOTAL FLOW is 63760643	GAL	
W2_FLO is 21.6	GPM TOTAL FLOW is 67398045	GAL	
ASBPRS is 10.8	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 736994	GAL	
HP_PRS is 1.3	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.07	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.44	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.45	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 31.48	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 56.27	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.3	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.6	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTMP is 62.8	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 03/19/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 12:06:04 ON 03/14/2019 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

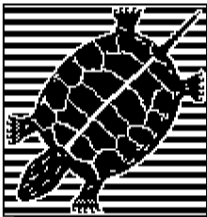
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 17.8	GPM TOTAL FLOW is 63786027	GAL	
W2_FLO is 21.6	GPM TOTAL FLOW is 67429572	GAL	
ASBPRS is 11.1	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 736994	GAL	
HP_PRS is 1.3	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.08	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.40	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.43	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 31.37	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 56.06	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.3	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.6	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTMP is 59.2	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 03/20/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 12:06:04 ON 03/14/2019 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

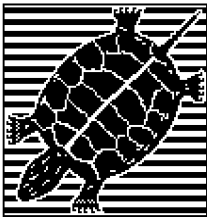
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 17.8	GPM TOTAL FLOW is 63811327	GAL	
W2_FLO is 21.7	GPM TOTAL FLOW is 67461094	GAL	
ASBPRS is 10.9	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 736994	GAL	
HP_PRS is 1.3	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.07	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.39	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.43	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 31.20	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 55.87	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.3	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.6	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTEMP is 61.9	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 03/21/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 12:06:04 ON 03/14/2019 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

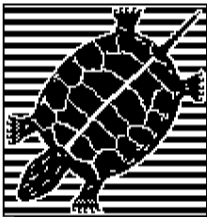
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 17.8	GPM TOTAL FLOW is 63836618	GAL	
W2_FLO is 21.4	GPM TOTAL FLOW is 67492600	GAL	
ASBPRS is 10.6	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 736994	GAL	
HP_PRS is 1.2	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.08	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.43	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.45	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 30.99	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 55.85	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.3	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.5	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTEMP is 67.3	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 03/21/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 12:06:04 ON 03/14/2019 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

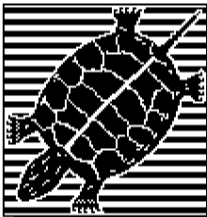
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 17.8	GPM TOTAL FLOW is 63836618	GAL	
W2_FLO is 21.4	GPM TOTAL FLOW is 67492600	GAL	
ASBPRS is 10.6	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 736994	GAL	
HP_PRS is 1.2	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.08	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.43	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.45	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 30.99	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 55.85	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.3	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.5	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTMP is 67.3	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 03/22/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 12:06:04 ON 03/14/2019 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

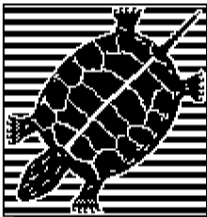
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 17.6	GPM TOTAL FLOW is 63861963	GAL	
W2_FLO is 22.2	GPM TOTAL FLOW is 67524097	GAL	
ASBPRS is 10.5	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 736994	GAL	
HP_PRS is 1.2	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.08	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.47	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.49	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 31.15	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 56.59	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.2	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.5	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTMP is 67.1	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 03/23/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 12:06:04 ON 03/14/2019 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

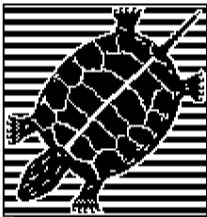
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 18.0	GPM TOTAL FLOW is 63887483	GAL	
W2_FLO is 22.2	GPM TOTAL FLOW is 67555662	GAL	
ASBPRS is 10.8	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 736994	GAL	
HP_PRS is 1.3	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.07	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.48	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.50	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 31.38	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 56.59	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.2	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.5	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTEMP is 61.0	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

EOS Research Ltd.

Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 03/24/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 12:06:04 ON 03/14/2019 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

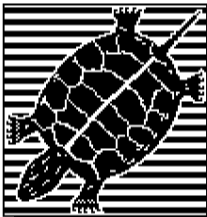
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 17.9	GPM	TOTAL FLOW is 63912965	GAL		
W2_FLO is 22.2	GPM	TOTAL FLOW is 67587174	GAL		
ASBPRS is 11.1	IWC	LIMITS are L: 5.0	IWC	H: 30.0	IWC
HP_FLO is 0.00	GPM	TOTAL FLOW is 736995	GAL		
HP_PRS is 1.3	PSI	LIMITS are L: -2.0	PSI	H: 20.0	PSI
HP_AMP is 0.08	AMP	LIMITS are L: 0.00	AMP	H:	AMP
W1_AMP is 4.49	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W2_AMP is 4.50	AMP	LIMITS are L: 0.00	AMP	H: 10.00	AMP
W1_LVL is 31.51	FT	LIMITS are L: 8.00	FT	H: 28.00	FT
W2_LVL is 56.38	FT	LIMITS are L: 9.00	FT	H: 52.00	FT
W1_PRS is 4.3	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
W2_PRS is 4.6	PSI	LIMITS are L: 0.5	PSI	H: 100.0	PSI
INTEMP is 58.7	DEG	LIMITS are L: 42.0	DEG	H: 130.0	DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 03/25/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 12:06:04 ON 03/14/2019 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

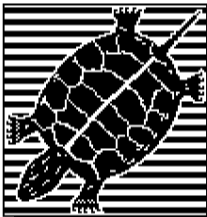
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 17.8	GPM TOTAL FLOW is 63938366	GAL	
W2_FLO is 21.6	GPM TOTAL FLOW is 67618639	GAL	
ASBPRS is 10.8	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 736995	GAL	
HP_PRS is 1.3	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.07	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.44	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.46	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 31.33	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 56.23	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.2	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.5	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTMP is 63.5	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 03/26/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 12:06:04 ON 03/14/2019 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

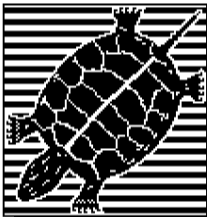
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 17.7	GPM TOTAL FLOW is 63963681	GAL	
W2_FLO is 22.2	GPM TOTAL FLOW is 67650082	GAL	
ASBPRS is 11.0	IWC LIMITS are L: 5.0	IWC H: 30.0	IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 736995	GAL	
HP_PRS is 1.3	PSI LIMITS are L: -2.0	PSI H: 20.0	PSI
HP_AMP is 0.08	AMP LIMITS are L: 0.00	AMP H:	AMP
W1_AMP is 4.44	AMP LIMITS are L: 0.00	AMP H: 10.00	AMP
W2_AMP is 4.45	AMP LIMITS are L: 0.00	AMP H: 10.00	AMP
W1_LVL is 31.37	FT LIMITS are L: 8.00	FT H: 28.00	FT
W2_LVL is 56.21	FT LIMITS are L: 9.00	FT H: 52.00	FT
W1_PRS is 4.3	PSI LIMITS are L: 0.5	PSI H: 100.0	PSI
W2_PRS is 4.6	PSI LIMITS are L: 0.5	PSI H: 100.0	PSI
INTMP is 60.6	DEG LIMITS are L: 42.0	DEG H: 130.0	DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 03/27/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 12:06:04 ON 03/14/2019 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

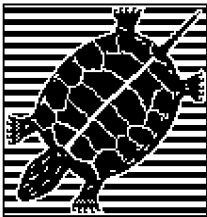
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 17.5	GPM TOTAL FLOW is 63988914	GAL	
W2_FLO is 21.8	GPM TOTAL FLOW is 67681511	GAL	
ASBPRS is 11.1	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 736995	GAL	
HP_PRS is 1.3	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.07	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.41	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.44	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 31.43	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 56.02	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.4	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.6	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTMP is 58.9	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd.

Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 03/28/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 12:06:04 ON 03/14/2019 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

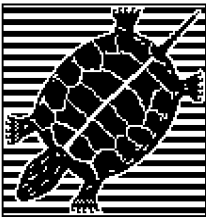
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 17.3	GPM	TOTAL FLOW is 64014107	GAL	
W2_FLO is 21.8	GPM	TOTAL FLOW is 67712909	GAL	
ASBPRS is 10.7	IWC	LIMITS are L: 5.0	IWC	H: 30.0
HP_FLO is 0.00	GPM	TOTAL FLOW is 736995	GAL	
HP_PRS is 1.2	PSI	LIMITS are L: -2.0	PSI	H: 20.0
HP_AMP is 0.08	AMP	LIMITS are L: 0.00	AMP	H:
W1_AMP is 4.43	AMP	LIMITS are L: 0.00	AMP	H: 10.00
W2_AMP is 4.47	AMP	LIMITS are L: 0.00	AMP	H: 10.00
W1_LVL is 31.23	FT	LIMITS are L: 8.00	FT	H: 28.00
W2_LVL is 55.85	FT	LIMITS are L: 9.00	FT	H: 52.00
W1_PRS is 4.3	PSI	LIMITS are L: 0.5	PSI	H: 100.0
W2_PRS is 4.6	PSI	LIMITS are L: 0.5	PSI	H: 100.0
INTMP is 65.4	DEG	LIMITS are L: 42.0	DEG	H: 130.0

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 03/29/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 12:06:04 ON 03/14/2019 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

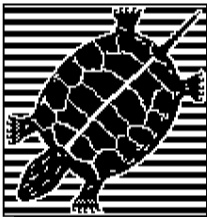
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 17.3	GPM TOTAL FLOW is 64039277	GAL	
W2_FLO is 21.3	GPM TOTAL FLOW is 67744279	GAL	
ASBPRS is 10.5	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 736995	GAL	
HP_PRS is 1.2	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.08	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.45	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.48	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 31.12	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 56.06	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.3	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.6	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTMP is 69.5	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 03/30/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 12:06:04 ON 03/14/2019 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

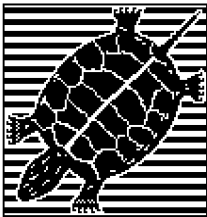
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VEDRUN is OFF	VEDRST is OFF	HPMPO is ON	

Analog Inputs:

W1_FLO is 17.6	GPM TOTAL FLOW is 64064548	GAL	
W2_FLO is 21.9	GPM TOTAL FLOW is 67775706	GAL	
ASBPRS is 10.6	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 736995	GAL	
HP_PRS is 1.2	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.08	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 4.51	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 4.51	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 31.49	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 56.44	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 4.3	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 4.6	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTMP is 69.5	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

ECOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 03/31/2019
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 12:06:04 ON 03/14/2019 BY ASBVFD

Discrete Inputs:

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

Discrete Outputs:

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

Analog Inputs:

W1_FLO is 0.0	GPM TOTAL FLOW is 64075710	GAL	
W2_FLO is 0.0	GPM TOTAL FLOW is 67789565	GAL	
ASBPRS is 0.3	IWC LIMITS are L: 5.0	IWC	H: 30.0 IWC
HP_FLO is 0.00	GPM TOTAL FLOW is 736997	GAL	
HP_PRS is 1.0	PSI LIMITS are L: -2.0	PSI	H: 20.0 PSI
HP_AMP is 0.01	AMP LIMITS are L: 0.00	AMP	H: AMP
W1_AMP is 0.01	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W2_AMP is 0.00	AMP LIMITS are L: 0.00	AMP	H: 10.00 AMP
W1_LVL is 33.79	FT LIMITS are L: 8.00	FT	H: 28.00 FT
W2_LVL is 58.62	FT LIMITS are L: 9.00	FT	H: 52.00 FT
W1_PRS is 0.0	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
W2_PRS is 0.0	PSI LIMITS are L: 0.5	PSI	H: 100.0 PSI
INTMP is 71.8	DEG LIMITS are L: 42.0	DEG	H: 130.0 DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN

APPENDIX B

O&M Checklists



Gladding Cordage
South Otselic, New York
NYSDEC Site #709009

Date 1/12/2019
Inspector L. Whalen
Time 22:23

Treatment System Operation

System On (Y/N)	<u>Yes</u>
RW-1 On (Y/N)	<u>Yes</u>
RW-2 On (Y/N)	<u>Yes</u>
Blower On (Y/N)	<u>Yes</u>
Sump Pump On (Y/N)	<u>No</u>

Alarms

A/C Fail (Y/N)	<u>No</u>
RW-1 (Y/N)	<u>Yes</u>
RW-2 (Y/N)	<u>No</u>
Blower Pressure (Y/N)	<u>No</u>
Sump Level (Y/N)	<u>No</u>

Recovery Wells

RW-1

RW-2

Flow Rate (GPM)	<u>0</u>	<u>22.1</u>
Total Flow (Gallons)	<u>Not Reported</u>	<u>Not Reported</u>
Water Level (Feet Above Probe)	<u>31.71</u>	<u>56.42</u>
Probe Depth (Feet BTOC)	<u>40.00</u>	<u>65.00</u>

Air Stripper

Blower VFD Setting (Hertz)	<u>46</u>	Intake/Exhaust Piping OK? (Y/N)	<u>Yes</u>
System Pressure (inches water)	<u>10.9</u>	Water Leaks (Y/N)	<u>No</u>
Influent/Effluent Piping OK? (Y/N)	<u>Yes</u>	Water Temperature (°F)	<u>45.1°</u>

Heat Exchanger

Heat (On/Off)	<u>On</u>	Building Temperature (°F)	<u>59°</u>
Heat Exchanger Flow (GPM)	<u>2.47</u>	Heat Exchanger Pressure (PSI)	<u>10.4</u>

General Building/Site

Building Condition OK? (Y/N)	<u>Yes</u>	Circuit Breakers Checked (Y/N)	<u>Yes</u>
Grass Mowed (Y/N)	<u>No</u>	Outfall Condition OK? (Y/N)	<u>Yes</u>
Monitoring Wells OK? (Y/N)	<u>Yes</u>	Samples Collected (Y/N)	<u>No</u>

Notes:

System Reset: 1015
System Check: 1030

Gladding Cordage
South Otselic, New York
NYSDEC Site #709009

Date 1/18/2019
Inspector L. Whalen
Time 14:00

Treatment System Operation

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

Alarms

A/C Fail (Y/N)	No
RW-1 (Y/N)	Yes
RW-2 (Y/N)	No
Blower Pressure (Y/N)	No
Sump Level (Y/N)	No

Recovery Wells

RW-1

RW-2

Flow Rate (GPM)	0	22.9
Total Flow (Gallons)	Not Reported	Not Reported
Water Level (Feet Above Probe)	30.88	55.77
Probe Depth (Feet BTOC)	40.00	65.00

Air Stripper

Blower VFD Setting (Hertz)	46	Intake/Exhaust Piping OK? (Y/N)	Yes
System Pressure (inches water)	10.6	Water Leaks (Y/N)	No
Influent/Effluent Piping OK? (Y/N)	Yes	Water Temperature (°F)	51.1°

Heat Exchanger

Heat (On/Off)	On	Building Temperature (°F)	61°
Heat Exchanger Flow (GPM)	2.47	Heat Exchanger Pressure (PSI)	10.1

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)	No

Notes:

System Reset: 1355

System Restart: 1355

System Check: 1400

Building Check: 1415

Outfall Check: 1415

Gladding Cordage
South Otselic, New York
NYSDEC Site #709009

Date 1/21/2019
Inspector L. Whalen
Time 12:55

Treatment System Operation

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

Alarms

A/C Fail (Y/N)	No
RW-1 (Y/N)	Yes
RW-2 (Y/N)	No
Blower Pressure (Y/N)	No
Sump Level (Y/N)	No

Recovery Wells

	RW-1	RW-2
Flow Rate (GPM)	0	22.7
Total Flow (Gallons)	Not Reported	Not Reported
Water Level (Feet Above Probe)	30.67	55.72
Probe Depth (Feet BTOC)	40.00	65.00

Air Stripper

Blower VFD Setting (Hertz)	46	Intake/Exhaust Piping OK? (Y/N)	Yes
System Pressure (inches water)	11.1	Water Leaks (Y/N)	No
Influent/Effluent Piping OK? (Y/N)	Yes	Water Temperature (°F)	48.6°

Heat Exchanger

Heat (On/Off)	On	Building Temperature (°F)	67°
Heat Exchanger Flow (GPM)	2.50	Heat Exchanger Pressure (PSI)	10.2

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	-	1230
RW-1-MS	-	1230
RW-1-MSD	-	1230

RW-2	-	1240
EFF 46 HZ	-	1245

Site walk and well inspection: 1315

System inspection: 1255

Gladding Cordage
South Otselic, New York
NYSDEC Site #709009

Date 2/11/2019
Inspector L. Whalen
Time 11:00

Treatment System Operation

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

Alarms

A/C Fail (Y/N) No
RW-1 (Y/N) Yes
RW-2 (Y/N) No
Blower Pressure (Y/N) No
Sump Level (Y/N) No

Recovery Wells

RW-1

RW-2

Flow Rate (GPM) 0
Total Flow (Gallons) Not Reported
Water Level (Feet Above Probe) 32.11
Probe Depth (Feet BTOC) 40.00

22.7
Not Reported
56.55
65.00

Air Stripper

Blower VFD Setting (Hertz) 46
System Pressure (inches water) 10.8
Influent/Effluent Piping OK? (Y/N) Yes

Intake/Exhaust Piping OK? (Y/N) Yes
Water Leaks (Y/N) No
Water Temperature (°F) 58°

Heat Exchanger

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

Building Temperature (°F) 69°
Heat Exchanger Pressure (PSI) 1.3

General Building/Site

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

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

Notes:

System Restart: 1000

Samples Collected RW-1 (MS/MSD) - 1120
RW-2 - 1130
EFF 46 HZ - 1135

Replaced RW-1 flow meter with new one. RW-1 still trips into alarm (no readings) Arcadis employees will look into PLC problems.

Building cleaned and tools picked up.

Turned down ceiling heater a quarter turn.

Gladding Cordage
South Otselic, New York
NYSDEC Site #709009

Date 2/15/2019
Inspector J. Wyckoff/L. Whalen
Time 11:30

Treatment System Operation

System On (Y/N)	<u>Yes</u>
RW-1 On (Y/N)	<u>Yes</u>
RW-2 On (Y/N)	<u>Yes</u>
Blower On (Y/N)	<u>Yes</u>
Sump Pump On (Y/N)	<u>No</u>

Alarms

A/C Fail (Y/N)	<u>No</u>
RW-1 (Y/N)	<u>No</u>
RW-2 (Y/N)	<u>No</u>
Blower Pressure (Y/N)	<u>No</u>
Sump Level (Y/N)	<u>No</u>

Recovery Wells

RW-1

RW-2

Flow Rate (GPM)	<u>17</u>
Total Flow (Gallons)	<u>Not Reported</u>
Water Level (Feet Above Probe)	<u>30.53</u>
Probe Depth (Feet BTOC)	<u>40.00</u>

Flow Rate (GPM)	<u>22.2</u>
Total Flow (Gallons)	<u>Not Reported</u>
Water Level (Feet Above Probe)	<u>55.64</u>
Probe Depth (Feet BTOC)	<u>65.00</u>

Air Stripper

Blower VFD Setting (Hertz)	<u>46</u>
System Pressure (inches water)	<u>10.2</u>
Influent/Effluent Piping OK? (Y/N)	<u>Yes</u>

Intake/Exhaust Piping OK? (Y/N)	<u>Yes</u>
Water Leaks (Y/N)	<u>No</u>
Water Temperature (°F)	<u>50.1°</u>

Heat Exchanger

Heat (On/Off)	<u>Off</u>
Heat Exchanger Flow (GPM)	<u>Off</u>

Building Temperature (°F)	<u>68°</u>
Heat Exchanger Pressure (PSI)	<u>Off</u>

General Building/Site

Building Condition OK? (Y/N)	<u>Yes</u>
Grass Mowed (Y/N)	<u>NA</u>
Monitoring Wells OK? (Y/N)	<u>Yes</u>

Circuit Breakers Checked (Y/N)	<u>Yes</u>
Outfall Condition OK? (Y/N)	<u>Yes</u>
Samples Collected (Y/N)	<u>No</u>

Notes:

Blower Motor Greased: 0800

PLC Reset for new RW-1 Flow Meter: 0800

RW-2 Flow Test: 0900

RW-1 Flow Test: 0930

PLC Calibration for RW-1 Flow Meter: 1000

System Restart: 1030

Heat Exchanger heat pump not working; needs new motor as dead mouse in fan cooked the motor.

Heat Exchanger temporarily turned off and ceiling heater turned on.

System Check: 1130

Gladding Cordage
South Otselic, New York
NYSDEC Site #709009

Date 3/14/2019
Inspector J. Wyckoff/L. Whalen
Time 11:31

Treatment System Operation

System On (Y/N)	<u>Yes</u>
RW-1 On (Y/N)	<u>Yes</u>
RW-2 On (Y/N)	<u>Yes</u>
Blower On (Y/N)	<u>Yes</u>
Sump Pump On (Y/N)	<u>No</u>

Alarms

A/C Fail (Y/N)	<u>No</u>
RW-1 (Y/N)	<u>No</u>
RW-2 (Y/N)	<u>No</u>
Blower Pressure (Y/N)	<u>No</u>
Sump Level (Y/N)	<u>No</u>

Recovery Wells**RW-1****RW-2**

Flow Rate (GPM)	<u>16.8</u>
Total Flow (Gallons)	<u>Not Reported</u>
Water Level (Feet Above Probe)	<u>30.11</u>
Probe Depth (Feet BTOC)	<u>40.00</u>

	<u>22.2</u>
	<u>Not Reported</u>
	<u>54.79</u>
	<u>65.00</u>

Air Stripper

Blower VFD Setting (Hertz)	<u>46</u>
System Pressure (inches water)	<u>10.4</u>
Influent/Effluent Piping OK? (Y/N)	<u>Yes</u>

Intake/Exhaust Piping OK? (Y/N)	<u>Yes</u>
Water Leaks (Y/N)	<u>No</u>
Water Temperature (°F)	<u>50°</u>

Heat Exchanger

Heat (On/Off)	<u>On</u>
Heat Exchanger Flow (GPM)	<u>2.45</u>

Building Temperature (°F)	<u>60.2°</u>
Heat Exchanger Pressure (PSI)	<u>10.4</u>

General Building/Site

Building Condition OK? (Y/N)	<u>Yes</u>
Grass Mowed (Y/N)	<u>No</u>
Monitoring Wells OK? (Y/N)	<u>Yes</u>

Circuit Breakers Checked (Y/N)	<u>Yes</u>
Outfall Condition OK? (Y/N)	<u>Yes</u>
Samples Collected (Y/N)	<u>No</u>

Notes:

Replaced blower motor fan in heater.

Installed new filter in fan unit.

Installed new 5 lb. ABC Fire Extinguisher.

System Check: 0900

Gladding Cordage
South Otselic, New York
NYSDEC Site #709009

Date 3/26/2019
Inspector J. Mullins/A. Thomas
Time 10:20

Treatment System Operation

System On (Y/N)	<u>Yes</u>
RW-1 On (Y/N)	<u>Yes</u>
RW-2 On (Y/N)	<u>Yes</u>
Blower On (Y/N)	<u>Yes</u>
Sump Pump On (Y/N)	<u>No</u>

Alarms

A/C Fail (Y/N)	<u>No</u>
RW-1 (Y/N)	<u>No</u>
RW-2 (Y/N)	<u>No</u>
Blower Pressure (Y/N)	<u>No</u>
Sump Level (Y/N)	<u>No</u>

Recovery Wells**RW-1****RW-2**

Flow Rate (GPM)	<u>17.1</u>
Total Flow (Gallons)	<u>Not Reported</u>
Water Level (Feet Above Probe)	<u>31.38</u>
Probe Depth (Feet BTOC)	<u>40.00</u>

	<u>22.2</u>
	<u>Not Reported</u>
	<u>56.00</u>
	<u>65.00</u>

Air Stripper

Blower VFD Setting (Hertz)	<u>46</u>
System Pressure (inches water)	<u>10.7</u>
Influent/Effluent Piping OK? (Y/N)	<u>Yes</u>

Intake/Exhaust Piping OK? (Y/N)	<u>Yes</u>
Water Leaks (Y/N)	<u>No</u>
Water Temperature (°F)	<u>50°</u>

Heat Exchanger

Heat (On/Off)	<u>Off</u>
Heat Exchanger Flow (GPM)	<u>0.00</u>

Building Temperature (°F)	<u>63.2°</u>
Heat Exchanger Pressure (PSI)	<u>1.2</u>

General Building/Site

Building Condition OK? (Y/N)	<u>Yes</u>
Grass Mowed (Y/N)	<u>No</u>
Monitoring Wells OK? (Y/N)	<u>Yes</u>

Circuit Breakers Checked (Y/N)	<u>Yes</u>
Outfall Condition OK? (Y/N)	<u>Yes</u>
Samples Collected (Y/N)	<u>Yes</u>

Notes:

Samples Collected	RW-1	- 1035
	RW-1-MS	- 1035
	RW-1-MSD	- 1035
	RW-2	- 1045
	EFF 46 HZ	- 1050

Site walk and well inspection: All wells in good condition

System inspection: No issues

Gladding Cordage
South Otselic, New York
NYSDEC Site #709009

Date 3/26/2019
Inspector L. Whalen
Time 1:40

Treatment System Operation

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

Alarms

A/C Fail (Y/N) No
RW-1 (Y/N) No
RW-2 (Y/N) No
Blower Pressure (Y/N) No
Sump Level (Y/N) No

Recovery Wells

RW-1

RW-2

Flow Rate (GPM) 17.7
Total Flow (Gallons) Not Reported
Water Level (Feet Above Probe) 32.39
Probe Depth (Feet BTOC) 40.00

22.3
Not Reported
57.41
65.00

Air Stripper

Blower VFD Setting (Hertz) 46
System Pressure (inches water) 10.4
Influent/Effluent Piping OK? (Y/N) Yes

Intake/Exhaust Piping OK? (Y/N) Yes
Water Leaks (Y/N) No
Water Temperature (°F) 53°

Heat Exchanger

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

Building Temperature (°F) 71°
Heat Exchanger Pressure (PSI) 1.3

General Building/Site

Building Condition OK? (Y/N) Yes
Grass Mowed (Y/N) No
Monitoring Wells OK? (Y/N) Yes

Circuit Breakers Checked (Y/N) Yes
Outfall Condition OK? (Y/N) Yes
Samples Collected (Y/N) No

Notes:

System Restart: 1325

System Check: 1340

APPENDIX C

Analytical Reporting Forms



January 31, 2019

Jeremy Wyckoff
Arcadis US, Inc. - Clifton Park-NY
855 Route 146, Suite 210
Clifton Park, NY 12065

Project Location: South Otselic
Client Job Number:
Project Number: 00266406.0000
Laboratory Work Order Number: 19A1123

Enclosed are results of analyses for samples received by the laboratory on January 23, 2019. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Aaron L. Benoit", with a horizontal line extending to the right.

Aaron L. Benoit
Project Manager

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

Arcadis US, Inc. - Clifton Park-NY
855 Route 146, Suite 210
Clifton Park, NY 12065
ATTN: Jeremy Wyckoff

REPORT DATE: 1/31/2019

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 00266406.0000

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 19A1123

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

PROJECT LOCATION: South Otselic

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
RW-1 (MS/MSD)	19A1123-01	Ground Water		624.1	
RW-2	19A1123-02	Ground Water		624.1	
EFF 46 HZ	19A1123-03	Ground Water		624.1	
Trip Blank	19A1123-04	Trip Blank Water		624.1	

CASE NARRATIVE SUMMARY

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

624.1**Qualifications:****L-03**

Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:**Bromoform**

19A1123-01[RW-1 (MS/MSD)], 19A1123-02[RW-2], 19A1123-03[EFF 46 HZ], 19A1123-04[Trip Blank], B222260-BLK1, B222260-BS1, S031818-CCV1

Methyl tert-Butyl Ether (MTBE)

19A1123-01[RW-1 (MS/MSD)], 19A1123-02[RW-2], 19A1123-03[EFF 46 HZ], 19A1123-04[Trip Blank], B222260-BLK1, B222260-BS1, S031818-CCV1

The results of analyses reported only relate to samples submitted to the Con-Test 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
Project Manager

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

Project Location: South Otselic

Sample Description:

Work Order: 19A1123

Date Received: 1/23/2019

Field Sample #: RW-1 (MS/MSD)

Sampled: 1/21/2019 12:30

Sample ID: 19A1123-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	<1.00	1.00	0.340	µg/L	1		624.1	1/29/19	1/30/19 6:45	LBD
Bromodichloromethane	<2.00	2.00	0.480	µg/L	1		624.1	1/29/19	1/30/19 6:45	LBD
Bromoform	<2.00	2.00	0.280	µg/L	1	L-03	624.1	1/29/19	1/30/19 6:45	LBD
Bromomethane	<2.00	2.00	0.440	µg/L	1		624.1	1/29/19	1/30/19 6:45	LBD
Carbon Tetrachloride	<2.00	2.00	0.390	µg/L	1		624.1	1/29/19	1/30/19 6:45	LBD
Chlorobenzene	<2.00	2.00	0.300	µg/L	1		624.1	1/29/19	1/30/19 6:45	LBD
Chlorodibromomethane	<2.00	2.00	0.270	µg/L	1		624.1	1/29/19	1/30/19 6:45	LBD
Chloroethane	<2.00	2.00	0.380	µg/L	1		624.1	1/29/19	1/30/19 6:45	LBD
Chloroform	<2.00	2.00	0.330	µg/L	1		624.1	1/29/19	1/30/19 6:45	LBD
Chloromethane	<2.00	2.00	0.300	µg/L	1		624.1	1/29/19	1/30/19 6:45	LBD
1,2-Dichlorobenzene	<2.00	2.00	0.310	µg/L	1		624.1	1/29/19	1/30/19 6:45	LBD
1,3-Dichlorobenzene	<2.00	2.00	0.330	µg/L	1		624.1	1/29/19	1/30/19 6:45	LBD
1,4-Dichlorobenzene	<2.00	2.00	0.390	µg/L	1		624.1	1/29/19	1/30/19 6:45	LBD
1,2-Dichloroethane	<2.00	2.00	0.280	µg/L	1		624.1	1/29/19	1/30/19 6:45	LBD
1,1-Dichloroethane	1.37	2.00	0.330	µg/L	1	J	624.1	1/29/19	1/30/19 6:45	LBD
1,1-Dichloroethylene	3.39	2.00	0.250	µg/L	1		624.1	1/29/19	1/30/19 6:45	LBD
trans-1,2-Dichloroethylene	<2.00	2.00	0.400	µg/L	1		624.1	1/29/19	1/30/19 6:45	LBD
1,2-Dichloropropane	<2.00	2.00	0.310	µg/L	1		624.1	1/29/19	1/30/19 6:45	LBD
cis-1,3-Dichloropropene	<2.00	2.00	0.470	µg/L	1		624.1	1/29/19	1/30/19 6:45	LBD
trans-1,3-Dichloropropene	<2.00	2.00	0.370	µg/L	1		624.1	1/29/19	1/30/19 6:45	LBD
Ethylbenzene	<2.00	2.00	0.370	µg/L	1		624.1	1/29/19	1/30/19 6:45	LBD
Methyl tert-Butyl Ether (MTBE)	<2.00	2.00	0.240	µg/L	1	L-03	624.1	1/29/19	1/30/19 6:45	LBD
Methylene Chloride	<5.00	5.00	0.420	µg/L	1		624.1	1/29/19	1/30/19 6:45	LBD
1,1,2,2-Tetrachloroethane	<2.00	2.00	0.270	µg/L	1		624.1	1/29/19	1/30/19 6:45	LBD
Tetrachloroethylene	<2.00	2.00	0.320	µg/L	1		624.1	1/29/19	1/30/19 6:45	LBD
Toluene	<1.00	1.00	0.350	µg/L	1		624.1	1/29/19	1/30/19 6:45	LBD
1,1,1-Trichloroethane	36.1	2.00	0.250	µg/L	1		624.1	1/29/19	1/30/19 6:45	LBD
1,1,2-Trichloroethane	<2.00	2.00	0.220	µg/L	1		624.1	1/29/19	1/30/19 6:45	LBD
Trichloroethylene	<2.00	2.00	0.410	µg/L	1		624.1	1/29/19	1/30/19 6:45	LBD
Trichlorofluoromethane (Freon 11)	<2.00	2.00	0.270	µg/L	1		624.1	1/29/19	1/30/19 6:45	LBD
Vinyl Chloride	<2.00	2.00	0.300	µg/L	1		624.1	1/29/19	1/30/19 6:45	LBD
m+p Xylene	<2.00	2.00	0.650	µg/L	1		624.1	1/29/19	1/30/19 6:45	LBD
o-Xylene	<2.00	2.00	0.350	µg/L	1		624.1	1/29/19	1/30/19 6:45	LBD
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		101	70-130						1/30/19 6:45	
Toluene-d8		99.2	70-130						1/30/19 6:45	
4-Bromofluorobenzene		94.2	70-130						1/30/19 6:45	

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

Project Location: South Otselic

Sample Description:

Work Order: 19A1123

Date Received: 1/23/2019

Field Sample #: RW-2

Sampled: 1/21/2019 12:42

Sample ID: 19A1123-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	<1.00	1.00	0.340	µg/L	1		624.1	1/29/19	1/30/19 7:16	LBD
Bromodichloromethane	<2.00	2.00	0.480	µg/L	1		624.1	1/29/19	1/30/19 7:16	LBD
Bromoform	<2.00	2.00	0.280	µg/L	1	L-03	624.1	1/29/19	1/30/19 7:16	LBD
Bromomethane	<2.00	2.00	0.440	µg/L	1		624.1	1/29/19	1/30/19 7:16	LBD
Carbon Tetrachloride	<2.00	2.00	0.390	µg/L	1		624.1	1/29/19	1/30/19 7:16	LBD
Chlorobenzene	<2.00	2.00	0.300	µg/L	1		624.1	1/29/19	1/30/19 7:16	LBD
Chlorodibromomethane	<2.00	2.00	0.270	µg/L	1		624.1	1/29/19	1/30/19 7:16	LBD
Chloroethane	<2.00	2.00	0.380	µg/L	1		624.1	1/29/19	1/30/19 7:16	LBD
Chloroform	<2.00	2.00	0.330	µg/L	1		624.1	1/29/19	1/30/19 7:16	LBD
Chloromethane	<2.00	2.00	0.300	µg/L	1		624.1	1/29/19	1/30/19 7:16	LBD
1,2-Dichlorobenzene	<2.00	2.00	0.310	µg/L	1		624.1	1/29/19	1/30/19 7:16	LBD
1,3-Dichlorobenzene	<2.00	2.00	0.330	µg/L	1		624.1	1/29/19	1/30/19 7:16	LBD
1,4-Dichlorobenzene	<2.00	2.00	0.390	µg/L	1		624.1	1/29/19	1/30/19 7:16	LBD
1,2-Dichloroethane	<2.00	2.00	0.280	µg/L	1		624.1	1/29/19	1/30/19 7:16	LBD
1,1-Dichloroethane	0.670	2.00	0.330	µg/L	1	J	624.1	1/29/19	1/30/19 7:16	LBD
1,1-Dichloroethylene	4.10	2.00	0.250	µg/L	1		624.1	1/29/19	1/30/19 7:16	LBD
trans-1,2-Dichloroethylene	<2.00	2.00	0.400	µg/L	1		624.1	1/29/19	1/30/19 7:16	LBD
1,2-Dichloropropane	<2.00	2.00	0.310	µg/L	1		624.1	1/29/19	1/30/19 7:16	LBD
cis-1,3-Dichloropropene	<2.00	2.00	0.470	µg/L	1		624.1	1/29/19	1/30/19 7:16	LBD
trans-1,3-Dichloropropene	<2.00	2.00	0.370	µg/L	1		624.1	1/29/19	1/30/19 7:16	LBD
Ethylbenzene	<2.00	2.00	0.370	µg/L	1		624.1	1/29/19	1/30/19 7:16	LBD
Methyl tert-Butyl Ether (MTBE)	<2.00	2.00	0.240	µg/L	1	L-03	624.1	1/29/19	1/30/19 7:16	LBD
Methylene Chloride	<5.00	5.00	0.420	µg/L	1		624.1	1/29/19	1/30/19 7:16	LBD
1,1,2,2-Tetrachloroethane	<2.00	2.00	0.270	µg/L	1		624.1	1/29/19	1/30/19 7:16	LBD
Tetrachloroethylene	<2.00	2.00	0.320	µg/L	1		624.1	1/29/19	1/30/19 7:16	LBD
Toluene	<1.00	1.00	0.350	µg/L	1		624.1	1/29/19	1/30/19 7:16	LBD
1,1,1-Trichloroethane	27.8	2.00	0.250	µg/L	1		624.1	1/29/19	1/30/19 7:16	LBD
1,1,2-Trichloroethane	<2.00	2.00	0.220	µg/L	1		624.1	1/29/19	1/30/19 7:16	LBD
Trichloroethylene	<2.00	2.00	0.410	µg/L	1		624.1	1/29/19	1/30/19 7:16	LBD
Trichlorofluoromethane (Freon 11)	<2.00	2.00	0.270	µg/L	1		624.1	1/29/19	1/30/19 7:16	LBD
Vinyl Chloride	<2.00	2.00	0.300	µg/L	1		624.1	1/29/19	1/30/19 7:16	LBD
m+p Xylene	<2.00	2.00	0.650	µg/L	1		624.1	1/29/19	1/30/19 7:16	LBD
o-Xylene	<2.00	2.00	0.350	µg/L	1		624.1	1/29/19	1/30/19 7:16	LBD
Surrogates	% Recovery	Recovery Limits		Flag/Qual						
1,2-Dichloroethane-d4	99.1	70-130				1/30/19 7:16				
Toluene-d8	101	70-130				1/30/19 7:16				
4-Bromofluorobenzene	96.0	70-130				1/30/19 7:16				

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

Project Location: South Otselic

Sample Description:

Work Order: 19A1123

Date Received: 1/23/2019

Field Sample #: EFF 46 HZ

Sampled: 1/21/2019 12:45

Sample ID: 19A1123-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	<1.00	1.00	0.340	µg/L	1		624.1	1/29/19	1/30/19 6:14	LBD
Bromodichloromethane	<2.00	2.00	0.480	µg/L	1		624.1	1/29/19	1/30/19 6:14	LBD
Bromoform	<2.00	2.00	0.280	µg/L	1	L-03	624.1	1/29/19	1/30/19 6:14	LBD
Bromomethane	<2.00	2.00	0.440	µg/L	1		624.1	1/29/19	1/30/19 6:14	LBD
Carbon Tetrachloride	<2.00	2.00	0.390	µg/L	1		624.1	1/29/19	1/30/19 6:14	LBD
Chlorobenzene	<2.00	2.00	0.300	µg/L	1		624.1	1/29/19	1/30/19 6:14	LBD
Chlorodibromomethane	<2.00	2.00	0.270	µg/L	1		624.1	1/29/19	1/30/19 6:14	LBD
Chloroethane	<2.00	2.00	0.380	µg/L	1		624.1	1/29/19	1/30/19 6:14	LBD
Chloroform	<2.00	2.00	0.330	µg/L	1		624.1	1/29/19	1/30/19 6:14	LBD
Chloromethane	<2.00	2.00	0.300	µg/L	1		624.1	1/29/19	1/30/19 6:14	LBD
1,2-Dichlorobenzene	<2.00	2.00	0.310	µg/L	1		624.1	1/29/19	1/30/19 6:14	LBD
1,3-Dichlorobenzene	<2.00	2.00	0.330	µg/L	1		624.1	1/29/19	1/30/19 6:14	LBD
1,4-Dichlorobenzene	<2.00	2.00	0.390	µg/L	1		624.1	1/29/19	1/30/19 6:14	LBD
1,2-Dichloroethane	<2.00	2.00	0.280	µg/L	1		624.1	1/29/19	1/30/19 6:14	LBD
1,1-Dichloroethane	<2.00	2.00	0.330	µg/L	1		624.1	1/29/19	1/30/19 6:14	LBD
1,1-Dichloroethylene	<2.00	2.00	0.250	µg/L	1		624.1	1/29/19	1/30/19 6:14	LBD
trans-1,2-Dichloroethylene	<2.00	2.00	0.400	µg/L	1		624.1	1/29/19	1/30/19 6:14	LBD
1,2-Dichloropropane	<2.00	2.00	0.310	µg/L	1		624.1	1/29/19	1/30/19 6:14	LBD
cis-1,3-Dichloropropene	<2.00	2.00	0.470	µg/L	1		624.1	1/29/19	1/30/19 6:14	LBD
trans-1,3-Dichloropropene	<2.00	2.00	0.370	µg/L	1		624.1	1/29/19	1/30/19 6:14	LBD
Ethylbenzene	<2.00	2.00	0.370	µg/L	1		624.1	1/29/19	1/30/19 6:14	LBD
Methyl tert-Butyl Ether (MTBE)	<2.00	2.00	0.240	µg/L	1	L-03	624.1	1/29/19	1/30/19 6:14	LBD
Methylene Chloride	<5.00	5.00	0.420	µg/L	1		624.1	1/29/19	1/30/19 6:14	LBD
1,1,2,2-Tetrachloroethane	<2.00	2.00	0.270	µg/L	1		624.1	1/29/19	1/30/19 6:14	LBD
Tetrachloroethylene	<2.00	2.00	0.320	µg/L	1		624.1	1/29/19	1/30/19 6:14	LBD
Toluene	<1.00	1.00	0.350	µg/L	1		624.1	1/29/19	1/30/19 6:14	LBD
1,1,1-Trichloroethane	<2.00	2.00	0.250	µg/L	1		624.1	1/29/19	1/30/19 6:14	LBD
1,1,2-Trichloroethane	<2.00	2.00	0.220	µg/L	1		624.1	1/29/19	1/30/19 6:14	LBD
Trichloroethylene	<2.00	2.00	0.410	µg/L	1		624.1	1/29/19	1/30/19 6:14	LBD
Trichlorofluoromethane (Freon 11)	<2.00	2.00	0.270	µg/L	1		624.1	1/29/19	1/30/19 6:14	LBD
Vinyl Chloride	<2.00	2.00	0.300	µg/L	1		624.1	1/29/19	1/30/19 6:14	LBD
m+p Xylene	<2.00	2.00	0.650	µg/L	1		624.1	1/29/19	1/30/19 6:14	LBD
o-Xylene	<2.00	2.00	0.350	µg/L	1		624.1	1/29/19	1/30/19 6:14	LBD
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		101	70-130						1/30/19 6:14	
Toluene-d8		99.8	70-130						1/30/19 6:14	
4-Bromofluorobenzene		94.2	70-130						1/30/19 6:14	

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

Project Location: South Otselic

Sample Description:

Work Order: 19A1123

Date Received: 1/23/2019

Field Sample #: Trip Blank

Sampled: 1/21/2019 00:00

Sample ID: 19A1123-04

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	<1.00	1.00	0.340	µg/L	1		624.1	1/29/19	1/30/19 5:12	LBD
Bromodichloromethane	<2.00	2.00	0.480	µg/L	1		624.1	1/29/19	1/30/19 5:12	LBD
Bromoform	<2.00	2.00	0.280	µg/L	1	L-03	624.1	1/29/19	1/30/19 5:12	LBD
Bromomethane	<2.00	2.00	0.440	µg/L	1		624.1	1/29/19	1/30/19 5:12	LBD
Carbon Tetrachloride	<2.00	2.00	0.390	µg/L	1		624.1	1/29/19	1/30/19 5:12	LBD
Chlorobenzene	<2.00	2.00	0.300	µg/L	1		624.1	1/29/19	1/30/19 5:12	LBD
Chlorodibromomethane	<2.00	2.00	0.270	µg/L	1		624.1	1/29/19	1/30/19 5:12	LBD
Chloroethane	<2.00	2.00	0.380	µg/L	1		624.1	1/29/19	1/30/19 5:12	LBD
Chloroform	<2.00	2.00	0.330	µg/L	1		624.1	1/29/19	1/30/19 5:12	LBD
Chloromethane	<2.00	2.00	0.300	µg/L	1		624.1	1/29/19	1/30/19 5:12	LBD
1,2-Dichlorobenzene	<2.00	2.00	0.310	µg/L	1		624.1	1/29/19	1/30/19 5:12	LBD
1,3-Dichlorobenzene	<2.00	2.00	0.330	µg/L	1		624.1	1/29/19	1/30/19 5:12	LBD
1,4-Dichlorobenzene	<2.00	2.00	0.390	µg/L	1		624.1	1/29/19	1/30/19 5:12	LBD
1,2-Dichloroethane	<2.00	2.00	0.280	µg/L	1		624.1	1/29/19	1/30/19 5:12	LBD
1,1-Dichloroethane	<2.00	2.00	0.330	µg/L	1		624.1	1/29/19	1/30/19 5:12	LBD
1,1-Dichloroethylene	<2.00	2.00	0.250	µg/L	1		624.1	1/29/19	1/30/19 5:12	LBD
trans-1,2-Dichloroethylene	<2.00	2.00	0.400	µg/L	1		624.1	1/29/19	1/30/19 5:12	LBD
1,2-Dichloropropane	<2.00	2.00	0.310	µg/L	1		624.1	1/29/19	1/30/19 5:12	LBD
cis-1,3-Dichloropropene	<2.00	2.00	0.470	µg/L	1		624.1	1/29/19	1/30/19 5:12	LBD
trans-1,3-Dichloropropene	<2.00	2.00	0.370	µg/L	1		624.1	1/29/19	1/30/19 5:12	LBD
Ethylbenzene	<2.00	2.00	0.370	µg/L	1		624.1	1/29/19	1/30/19 5:12	LBD
Methyl tert-Butyl Ether (MTBE)	<2.00	2.00	0.240	µg/L	1	L-03	624.1	1/29/19	1/30/19 5:12	LBD
Methylene Chloride	<5.00	5.00	0.420	µg/L	1		624.1	1/29/19	1/30/19 5:12	LBD
1,1,2,2-Tetrachloroethane	<2.00	2.00	0.270	µg/L	1		624.1	1/29/19	1/30/19 5:12	LBD
Tetrachloroethylene	<2.00	2.00	0.320	µg/L	1		624.1	1/29/19	1/30/19 5:12	LBD
Toluene	<1.00	1.00	0.350	µg/L	1		624.1	1/29/19	1/30/19 5:12	LBD
1,1,1-Trichloroethane	<2.00	2.00	0.250	µg/L	1		624.1	1/29/19	1/30/19 5:12	LBD
1,1,2-Trichloroethane	<2.00	2.00	0.220	µg/L	1		624.1	1/29/19	1/30/19 5:12	LBD
Trichloroethylene	<2.00	2.00	0.410	µg/L	1		624.1	1/29/19	1/30/19 5:12	LBD
Trichlorofluoromethane (Freon 11)	<2.00	2.00	0.270	µg/L	1		624.1	1/29/19	1/30/19 5:12	LBD
Vinyl Chloride	<2.00	2.00	0.300	µg/L	1		624.1	1/29/19	1/30/19 5:12	LBD
m+p Xylene	<2.00	2.00	0.650	µg/L	1		624.1	1/29/19	1/30/19 5:12	LBD
o-Xylene	<2.00	2.00	0.350	µg/L	1		624.1	1/29/19	1/30/19 5:12	LBD
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		98.8	70-130						1/30/19 5:12	
Toluene-d8		98.6	70-130						1/30/19 5:12	
4-Bromofluorobenzene		93.6	70-130						1/30/19 5:12	

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Sample Extraction Data

Prep Method: SW-846 5030B-624.1

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
19A1123-01 [RW-1 (MS/MSD)]	B222260	5	5.00	01/29/19
19A1123-02 [RW-2]	B222260	5	5.00	01/29/19
19A1123-03 [EFF 46 HZ]	B222260	5	5.00	01/29/19
19A1123-04 [Trip Blank]	B222260	5	5.00	01/29/19

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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
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Batch B222260 - SW-846 5030B

Blank (B222260-BLK1)

Prepared: 01/29/19 Analyzed: 01/30/19

Benzene	ND	1.00	µg/L							
Bromodichloromethane	ND	2.00	µg/L							
Bromoform	ND	2.00	µg/L							L-03
Bromomethane	ND	2.00	µg/L							
Carbon Tetrachloride	ND	2.00	µg/L							
Chlorobenzene	ND	2.00	µg/L							
Chlorodibromomethane	ND	2.00	µg/L							
Chloroethane	ND	2.00	µg/L							
Chloroform	ND	2.00	µg/L							
Chloromethane	ND	2.00	µg/L							
1,2-Dichlorobenzene	ND	2.00	µg/L							
1,3-Dichlorobenzene	ND	2.00	µg/L							
1,4-Dichlorobenzene	ND	2.00	µg/L							
1,2-Dichloroethane	ND	2.00	µg/L							
1,1-Dichloroethane	ND	2.00	µg/L							
1,1-Dichloroethylene	ND	2.00	µg/L							
trans-1,2-Dichloroethylene	ND	2.00	µg/L							
1,2-Dichloropropane	ND	2.00	µg/L							
cis-1,3-Dichloropropene	ND	2.00	µg/L							
trans-1,3-Dichloropropene	ND	2.00	µg/L							
Ethylbenzene	ND	2.00	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	2.00	µg/L							L-03
Methylene Chloride	ND	5.00	µg/L							
1,1,2,2-Tetrachloroethane	ND	2.00	µg/L							
Tetrachloroethylene	ND	2.00	µg/L							
Toluene	ND	1.00	µg/L							
1,1,1-Trichloroethane	ND	2.00	µg/L							
1,1,2-Trichloroethane	ND	2.00	µg/L							
Trichloroethylene	ND	2.00	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.00	µg/L							
Vinyl Chloride	ND	2.00	µg/L							
m+p Xylene	ND	2.00	µg/L							
o-Xylene	ND	2.00	µg/L							
Surrogate: 1,2-Dichloroethane-d4	25.7		µg/L	25.0		103	70-130			
Surrogate: Toluene-d8	25.0		µg/L	25.0		100	70-130			
Surrogate: 4-Bromofluorobenzene	23.7		µg/L	25.0		94.6	70-130			

LCS (B222260-BS1)

Prepared: 01/29/19 Analyzed: 01/30/19

Benzene	22	1.00	µg/L	20.0		109	65-135			
Bromodichloromethane	20	2.00	µg/L	20.0		101	65-135			
Bromoform	13	2.00	µg/L	20.0		67.3	* 70-130			L-03
Bromomethane	13	2.00	µg/L	20.0		64.0	15-185			
Carbon Tetrachloride	20	2.00	µg/L	20.0		97.8	70-130			
Chlorobenzene	20	2.00	µg/L	20.0		98.7	65-135			
Chlorodibromomethane	19	2.00	µg/L	20.0		92.6	70-135			
Chloroethane	20	2.00	µg/L	20.0		99.9	40-160			
Chloroform	22	2.00	µg/L	20.0		108	70-135			
Chloromethane	18	2.00	µg/L	20.0		91.4	20-205			
1,2-Dichlorobenzene	21	2.00	µg/L	20.0		105	65-135			
1,3-Dichlorobenzene	22	2.00	µg/L	20.0		111	70-130			
1,4-Dichlorobenzene	21	2.00	µg/L	20.0		107	65-135			
1,2-Dichloroethane	20	2.00	µg/L	20.0		101	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 B222260 - SW-846 5030B										
LCS (B222260-BS1)										
Prepared: 01/29/19 Analyzed: 01/30/19										
1,1-Dichloroethane	20	2.00	µg/L	20.0		101	70-130			
1,1-Dichloroethylene	23	2.00	µg/L	20.0		113	50-150			
trans-1,2-Dichloroethylene	23	2.00	µg/L	20.0		114	70-130			
1,2-Dichloropropane	21	2.00	µg/L	20.0		107	35-165			
cis-1,3-Dichloropropene	19	2.00	µg/L	20.0		96.2	25-175			
trans-1,3-Dichloropropene	18	2.00	µg/L	20.0		87.7	50-150			
Ethylbenzene	20	2.00	µg/L	20.0		99.2	60-140			
Methyl tert-Butyl Ether (MTBE)	14	2.00	µg/L	20.0		69.9	* 70-130			L-03
Methylene Chloride	21	5.00	µg/L	20.0		104	60-140			
1,1,2,2-Tetrachloroethane	14	2.00	µg/L	20.0		71.0	60-140			
Tetrachloroethylene	21	2.00	µg/L	20.0		103	70-130			
Toluene	22	1.00	µg/L	20.0		108	70-130			
1,1,1-Trichloroethane	20	2.00	µg/L	20.0		98.2	70-130			
1,1,2-Trichloroethane	18	2.00	µg/L	20.0		89.6	70-130			
Trichloroethylene	21	2.00	µg/L	20.0		105	65-135			
Trichlorofluoromethane (Freon 11)	21	2.00	µg/L	20.0		104	50-150			
Vinyl Chloride	20	2.00	µg/L	20.0		101	5-195			
m+p Xylene	40	2.00	µg/L	40.0		99.8	70-130			
o-Xylene	20	2.00	µg/L	20.0		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	24.7		µg/L	25.0		99.0	70-130			
Surrogate: Toluene-d8	25.4		µg/L	25.0		102	70-130			
Surrogate: 4-Bromofluorobenzene	24.3		µg/L	25.0		97.2	70-130			
Matrix Spike (B222260-MS1)										
Source: 19A1123-01 Prepared: 01/29/19 Analyzed: 01/30/19										
Benzene	12	1.00	µg/L	10.0	ND	121	37-151			
Bromodichloromethane	11	2.00	µg/L	10.0	ND	107	35-155			
Bromoform	7.0	2.00	µg/L	10.0	ND	69.7	45-169			
Bromomethane	7.4	2.00	µg/L	10.0	ND	74.2	20-242			
Carbon Tetrachloride	11	2.00	µg/L	10.0	ND	108	70-140			
Chlorobenzene	11	2.00	µg/L	10.0	ND	106	37-160			
Chlorodibromomethane	9.4	2.00	µg/L	10.0	ND	93.5	53-149			
Chloroethane	12	2.00	µg/L	10.0	ND	117	14-230			
Chloroform	12	2.00	µg/L	10.0	ND	120	51-138			
Chloromethane	11	2.00	µg/L	10.0	ND	106	20-273			
1,2-Dichlorobenzene	11	2.00	µg/L	10.0	ND	112	18-190			
1,3-Dichlorobenzene	12	2.00	µg/L	10.0	ND	120	59-156			
1,4-Dichlorobenzene	12	2.00	µg/L	10.0	ND	115	18-190			
1,2-Dichloroethane	10	2.00	µg/L	10.0	ND	104	49-155			
1,1-Dichloroethane	13	2.00	µg/L	10.0	1.4	114	59-155			
1,1-Dichloroethylene	15	2.00	µg/L	10.0	3.4	115	20-234			
trans-1,2-Dichloroethylene	13	2.00	µg/L	10.0	ND	127	54-156			
1,2-Dichloropropane	12	2.00	µg/L	10.0	ND	117	20-210			
cis-1,3-Dichloropropene	9.3	2.00	µg/L	10.0	ND	92.9	20-227			
trans-1,3-Dichloropropene	8.2	2.00	µg/L	10.0	ND	82.4	17-183			
Ethylbenzene	11	2.00	µg/L	10.0	ND	106	37-162			
Methyl tert-Butyl Ether (MTBE)	8.6	2.00	µg/L	10.0	ND	85.7	70-130			
Methylene Chloride	11	5.00	µg/L	10.0	ND	113	20-221			
1,1,2,2-Tetrachloroethane	7.8	2.00	µg/L	10.0	ND	77.8	46-157			
Tetrachloroethylene	11	2.00	µg/L	10.0	ND	110	64-148			
Toluene	11	1.00	µg/L	10.0	ND	112	47-150			
1,1,1-Trichloroethane	50	2.00	µg/L	10.0	36	141	52-162			
1,1,2-Trichloroethane	9.1	2.00	µg/L	10.0	ND	91.2	52-150			

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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
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Batch B222260 - SW-846 5030B

Matrix Spike (B222260-MS1)		Source: 19A1123-01		Prepared: 01/29/19		Analyzed: 01/30/19				
Trichloroethylene	11	2.00	µg/L	10.0	ND	115	70-157			
Trichlorofluoromethane (Freon 11)	12	2.00	µg/L	10.0	ND	116	17-181			
Vinyl Chloride	12	2.00	µg/L	10.0	ND	117	20-251			
m+p Xylene	21	2.00	µg/L	20.0	ND	107	70-130			
o-Xylene	11	2.00	µg/L	10.0	ND	108	70-130			
Surrogate: 1,2-Dichloroethane-d4	25.3		µg/L	25.0		101	70-130			
Surrogate: Toluene-d8	24.4		µg/L	25.0		97.4	70-130			
Surrogate: 4-Bromofluorobenzene	24.4		µg/L	25.0		97.5	70-130			

Matrix Spike Dup (B222260-MSD1)		Source: 19A1123-01		Prepared: 01/29/19		Analyzed: 01/30/19				
Benzene	11	1.00	µg/L	10.0	ND	112	37-151	8.01	61	
Bromodichloromethane	10	2.00	µg/L	10.0	ND	100	35-155	6.36	56	
Bromoform	6.4	2.00	µg/L	10.0	ND	64.5	45-169	7.75	42	
Bromomethane	8.6	2.00	µg/L	10.0	ND	86.1	20-242	14.8	61	
Carbon Tetrachloride	9.8	2.00	µg/L	10.0	ND	98.2	70-140	9.32	41	
Chlorobenzene	10	2.00	µg/L	10.0	ND	100	37-160	6.10	53	
Chlorodibromomethane	9.0	2.00	µg/L	10.0	ND	90.4	53-149	3.37	50	
Chloroethane	11	2.00	µg/L	10.0	ND	110	14-230	6.54	78	
Chloroform	11	2.00	µg/L	10.0	ND	112	51-138	7.16	54	
Chloromethane	10	2.00	µg/L	10.0	ND	104	20-273	2.28	60	
1,2-Dichlorobenzene	11	2.00	µg/L	10.0	ND	106	18-190	5.78	57	
1,3-Dichlorobenzene	11	2.00	µg/L	10.0	ND	114	59-156	5.04	43	
1,4-Dichlorobenzene	11	2.00	µg/L	10.0	ND	109	18-190	5.45	57	
1,2-Dichloroethane	10	2.00	µg/L	10.0	ND	104	49-155	0.576	49	
1,1-Dichloroethane	12	2.00	µg/L	10.0	1.4	106	59-155	7.28	40	
1,1-Dichloroethylene	15	2.00	µg/L	10.0	3.4	116	20-234	0.134	32	
trans-1,2-Dichloroethylene	12	2.00	µg/L	10.0	ND	119	54-156	6.27	45	
1,2-Dichloropropane	11	2.00	µg/L	10.0	ND	109	20-210	7.45	55	
cis-1,3-Dichloropropene	8.9	2.00	µg/L	10.0	ND	88.9	20-227	4.40	58	
trans-1,3-Dichloropropene	7.8	2.00	µg/L	10.0	ND	78.5	17-183	4.85	86	
Ethylbenzene	10	2.00	µg/L	10.0	ND	102	37-162	3.57	63	
Methyl tert-Butyl Ether (MTBE)	7.6	2.00	µg/L	10.0	ND	76.2	70-130	11.7	20	
Methylene Chloride	11	5.00	µg/L	10.0	ND	110	20-221	2.79	28	
1,1,2,2-Tetrachloroethane	7.0	2.00	µg/L	10.0	ND	70.1	46-157	10.4	61	
Tetrachloroethylene	11	2.00	µg/L	10.0	ND	110	64-148	0.182	39	
Toluene	11	1.00	µg/L	10.0	ND	111	47-150	1.34	41	
1,1,1-Trichloroethane	48	2.00	µg/L	10.0	36	118	52-162	4.69	36	
1,1,2-Trichloroethane	9.0	2.00	µg/L	10.0	ND	90.5	52-150	0.770	45	
Trichloroethylene	11	2.00	µg/L	10.0	ND	109	70-157	5.46	48	
Trichlorofluoromethane (Freon 11)	11	2.00	µg/L	10.0	ND	110	17-181	5.39	84	
Vinyl Chloride	12	2.00	µg/L	10.0	ND	115	20-251	1.72	66	
m+p Xylene	20	2.00	µg/L	20.0	ND	101	70-130	5.96	20	
o-Xylene	10	2.00	µg/L	10.0	ND	102	70-130	5.15	20	
Surrogate: 1,2-Dichloroethane-d4	24.8		µg/L	25.0		99.4	70-130			
Surrogate: Toluene-d8	25.2		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	24.2		µg/L	25.0		96.6	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.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-03	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
624.1 in Water	
Benzene	CT,NY,MA,NH,RI,NC,ME,VA
Bromodichloromethane	CT,NY,MA,NH,RI,NC,ME,VA
Bromoform	CT,NY,MA,NH,RI,NC,ME,VA
Bromomethane	CT,NY,MA,NH,RI,NC,ME,VA
Carbon Tetrachloride	CT,NY,MA,NH,RI,NC,ME,VA
Chlorobenzene	CT,NY,MA,NH,RI,NC,ME,VA
Chlorodibromomethane	CT,NY,MA,NH,RI,NC,ME,VA
Chloroethane	CT,NY,MA,NH,RI,NC,ME,VA
Chloroform	CT,NY,MA,NH,RI,NC,ME,VA
Chloromethane	CT,NY,MA,NH,RI,NC,ME,VA
1,2-Dichlorobenzene	CT,NY,MA,NH,RI,NC,ME,VA
1,3-Dichlorobenzene	CT,NY,MA,NH,RI,NC,ME,VA
1,4-Dichlorobenzene	CT,NY,MA,NH,RI,NC,ME,VA
1,2-Dichloroethane	CT,NY,MA,NH,RI,NC,ME,VA
1,1-Dichloroethane	CT,NY,MA,NH,RI,NC,ME,VA
1,1-Dichloroethylene	CT,NY,MA,NH,RI,NC,ME,VA
trans-1,2-Dichloroethylene	CT,NY,MA,NH,RI,NC,ME,VA
1,2-Dichloropropane	CT,NY,MA,NH,RI,NC,ME,VA
cis-1,3-Dichloropropene	CT,NY,MA,NH,RI,NC,ME,VA
trans-1,3-Dichloropropene	CT,NY,MA,NH,RI,NC,ME,VA
Ethylbenzene	CT,NY,MA,NH,RI,NC,ME,VA
Methyl tert-Butyl Ether (MTBE)	NY,MA,NH,NC
Methylene Chloride	CT,NY,MA,NH,RI,NC,ME,VA
1,1,2,2-Tetrachloroethane	CT,NY,MA,NH,RI,NC,ME,VA
Tetrachloroethylene	CT,NY,MA,NH,RI,NC,ME,VA
Toluene	CT,NY,MA,NH,RI,NC,ME,VA
1,1,1-Trichloroethane	CT,NY,MA,NH,RI,NC,ME,VA
1,1,2-Trichloroethane	CT,NY,MA,NH,RI,NC,ME,VA
Trichloroethylene	CT,NY,MA,NH,RI,NC,ME,VA
Trichlorofluoromethane (Freon 11)	CT,NY,MA,NH,RI,NC,ME,VA
Vinyl Chloride	CT,NY,MA,NH,RI,NC,ME,VA
m+p Xylene	CT,NY,MA,NH,RI,NC
o-Xylene	CT,NY,MA,NH,RI,NC

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The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2019
NC	North Carolina Div. of Water Quality	652	12/31/2019
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2019
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

19A1123



Phone: 413-525-2332
Fax: 413-525-6405

Email: info@contestlabs.com

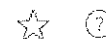
CHAIN OF CUSTODY RECORD (New York)

Doc # 380 Rev 1_03242017

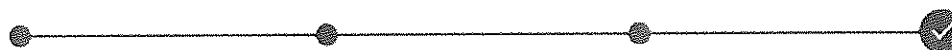
39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

Address: 855 Route 146, STE 210, Clifton Park NY. Phone: 518-250-7300 / 607-206-6262 Project Name: Gladding Cordage Project Location: South Otsego Project Number: 00266406-0000 Project Manager: J. Dyckhoff Con-Test Quote Name/Number: J. Dyckhoff Invoice Recipient: J. Dyckhoff Sampled By: L. Whalen		7-Day ☐ 10-Day ☐ Due Date: STD 1-Day ☐ 3-Day ☐ 2-Day ☐ 4-Day ☐ Format: PDF ☒ EXCEL ☒ Other: CLP Like Data Pkg Required: ☐ Email To: Fax To #: 17 ☐ H ☐ V ☐		# of Containers 2 Preservation Code 3 Container Code ANALYSIS REQUESTED 17 ☐ H ☐ V ☐		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)									
Client Sample ID / Description 1 RW-1 (MS/MSD) 2 RW-2 3 EFF 4U HZ 4 Trip Blank		Beginning Date/Time 1230 1240 1245 -		Ending Date/Time 12/1/19 1 1 1		Composite X X X -		Grab X X X -		Matrix Code GW 1 1 1		Conc Code 624 X X X X			
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) L. Whalen		Date/Time: 1/22/19 1310		Received by: (signature) J. Dyckhoff		Date/Time: 1/23/19 557		Inquired by: (signature) J. Dyckhoff		Date/Time: 1/23/19 557		Received by: (signature) J. Dyckhoff		Date/Time: 1/23/19 557	
Relinquished by: (signature) L. Whalen		Date/Time: 1/22/19 1310		Received by: (signature) J. Dyckhoff		Date/Time: 1/23/19 557		Inquired by: (signature) J. Dyckhoff		Date/Time: 1/23/19 557		Received by: (signature) J. Dyckhoff		Date/Time: 1/23/19 557	

806832458015 

Delivered
Wednesday 1/23/2019 at 8:57 am

**DELIVERED**

Signed for by: B.BECCA

GET STATUS UPDATES**OBTAIN PROOF OF DELIVERY**

FROM
SYRACUSE, NY US

TO
EAST LONGMEADOW, MA US

Shipment Facts

TRACKING NUMBER
806832458015

SERVICE
FedEx Priority Overnight

WEIGHT
13 lbs / 5.9 kgs

DIMENSIONS
14x11x11 in.

DELIVERED TO
Shipping/Receiving

TOTAL PIECES
1

TOTAL SHIPMENT WEIGHT
13 lbs / 5.9 kgs

TERMS
Recipient

PACKAGING
Your Packaging

SPECIAL HANDLING SECTION
Deliver Weekday

STANDARD TRANSIT

1/23/2019 by 10:30 am

SHIP DATE

Tue 1/22/2019

ACTUAL DELIVERY
Wed 1/23/2019 8:57 am

Travel History

Local Scan Time



Wednesday, 1/23/2019

8:57 am	EAST LONGMEADOW, MA	Delivered
7:43 am	WINDSOR LOCKS, CT	On FedEx vehicle for delivery
7:33 am	WINDSOR LOCKS, CT	At local FedEx facility
2:30 am	NEWARK, NJ	Departed FedEx location

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 Arcadis

Received By RAP Date 1/23/19 Time 857

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 # 1 Actual Temp - 2.8
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 Client T Analysis T Sampler Name T

pertinent Information? 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? T

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-	<u>17</u>	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:

February 25, 2019

Jeremy Wyckoff
Arcadis US, Inc. - Clifton Park-NY
855 Route 146, Suite 210
Clifton Park, NY 12065

Project Location: South Otselic
Client Job Number:
Project Number: 00266406.0000
Laboratory Work Order Number: 19B0619

Enclosed are results of analyses for samples received by the laboratory on February 14, 2019. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Aaron L. Benoit", with a horizontal line extending to the right.

Aaron L. Benoit
Project Manager

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

Arcadis US, Inc. - Clifton Park-NY
855 Route 146, Suite 210
Clifton Park, NY 12065
ATTN: Jeremy Wyckoff

REPORT DATE: 2/25/2019

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 00266406.0000

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 19B0619

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

PROJECT LOCATION: South Otselic

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
RW-1 MS/MSD_2-11-19	19B0619-01	Ground Water		624.1	
RW-2_2-11-19	19B0619-02	Ground Water		624.1	
EFF46HZ_2-11-19	19B0619-03	Ground Water		624.1	
Trip Blank_2-11-19	19B0619-04	Trip Blank Water		624.1	

CASE NARRATIVE SUMMARY

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

The results of analyses reported only relate to samples submitted to the Con-Test 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.

A handwritten signature in black ink, appearing to read "Lisa Worthington", is written over a light pink rectangular background.

Lisa A. Worthington
Project Manager

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

Project Location: South Otselic

Sample Description:

Work Order: 19B0619

Date Received: 2/14/2019

Field Sample #: RW-1 MS/MSD_2-11-19

Sampled: 2/11/2019 11:20

Sample ID: 19B0619-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	<1.00	1.00	0.340	µg/L	1		624.1	2/21/19	2/22/19 13:32	LBD
Bromodichloromethane	<2.00	2.00	0.480	µg/L	1		624.1	2/21/19	2/22/19 13:32	LBD
Bromoform	<2.00	2.00	0.280	µg/L	1		624.1	2/21/19	2/22/19 13:32	LBD
Bromomethane	<2.00	2.00	0.440	µg/L	1		624.1	2/21/19	2/22/19 13:32	LBD
Carbon Tetrachloride	<2.00	2.00	0.390	µg/L	1		624.1	2/21/19	2/22/19 13:32	LBD
Chlorobenzene	<2.00	2.00	0.300	µg/L	1		624.1	2/21/19	2/22/19 13:32	LBD
Chlorodibromomethane	<2.00	2.00	0.270	µg/L	1		624.1	2/21/19	2/22/19 13:32	LBD
Chloroethane	<2.00	2.00	0.380	µg/L	1		624.1	2/21/19	2/22/19 13:32	LBD
Chloroform	<2.00	2.00	0.330	µg/L	1		624.1	2/21/19	2/22/19 13:32	LBD
Chloromethane	<2.00	2.00	0.300	µg/L	1		624.1	2/21/19	2/22/19 13:32	LBD
1,2-Dichlorobenzene	<2.00	2.00	0.310	µg/L	1		624.1	2/21/19	2/22/19 13:32	LBD
1,3-Dichlorobenzene	<2.00	2.00	0.330	µg/L	1		624.1	2/21/19	2/22/19 13:32	LBD
1,4-Dichlorobenzene	<2.00	2.00	0.390	µg/L	1		624.1	2/21/19	2/22/19 13:32	LBD
1,2-Dichloroethane	<2.00	2.00	0.280	µg/L	1		624.1	2/21/19	2/22/19 13:32	LBD
1,1-Dichloroethane	1.40	2.00	0.330	µg/L	1	J	624.1	2/21/19	2/22/19 13:32	LBD
1,1-Dichloroethylene	0.790	2.00	0.250	µg/L	1	J	624.1	2/21/19	2/22/19 13:32	LBD
trans-1,2-Dichloroethylene	<2.00	2.00	0.400	µg/L	1		624.1	2/21/19	2/22/19 13:32	LBD
1,2-Dichloropropane	<2.00	2.00	0.310	µg/L	1		624.1	2/21/19	2/22/19 13:32	LBD
cis-1,3-Dichloropropene	<2.00	2.00	0.470	µg/L	1		624.1	2/21/19	2/22/19 13:32	LBD
trans-1,3-Dichloropropene	<2.00	2.00	0.370	µg/L	1		624.1	2/21/19	2/22/19 13:32	LBD
Ethylbenzene	<2.00	2.00	0.370	µg/L	1		624.1	2/21/19	2/22/19 13:32	LBD
Methyl tert-Butyl Ether (MTBE)	<2.00	2.00	0.240	µg/L	1		624.1	2/21/19	2/22/19 13:32	LBD
Methylene Chloride	<5.00	5.00	0.420	µg/L	1		624.1	2/21/19	2/22/19 13:32	LBD
1,1,2,2-Tetrachloroethane	<2.00	2.00	0.270	µg/L	1		624.1	2/21/19	2/22/19 13:32	LBD
Tetrachloroethylene	<2.00	2.00	0.320	µg/L	1		624.1	2/21/19	2/22/19 13:32	LBD
Toluene	<1.00	1.00	0.350	µg/L	1		624.1	2/21/19	2/22/19 13:32	LBD
1,1,1-Trichloroethane	39.4	2.00	0.250	µg/L	1		624.1	2/21/19	2/22/19 13:32	LBD
1,1,2-Trichloroethane	<2.00	2.00	0.220	µg/L	1		624.1	2/21/19	2/22/19 13:32	LBD
Trichloroethylene	<2.00	2.00	0.410	µg/L	1		624.1	2/21/19	2/22/19 13:32	LBD
Trichlorofluoromethane (Freon 11)	<2.00	2.00	0.270	µg/L	1		624.1	2/21/19	2/22/19 13:32	LBD
Vinyl Chloride	<2.00	2.00	0.300	µg/L	1		624.1	2/21/19	2/22/19 13:32	LBD
m+p Xylene	<2.00	2.00	0.650	µg/L	1		624.1	2/21/19	2/22/19 13:32	LBD
o-Xylene	<2.00	2.00	0.350	µg/L	1		624.1	2/21/19	2/22/19 13:32	LBD
Surrogates	% Recovery	Recovery Limits		Flag/Qual						
1,2-Dichloroethane-d4	92.0	70-130				2/22/19 13:32				
Toluene-d8	95.5	70-130				2/22/19 13:32				
4-Bromofluorobenzene	103	70-130				2/22/19 13:32				

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

Project Location: South Otselic

Sample Description:

Work Order: 19B0619

Date Received: 2/14/2019

Field Sample #: RW-2_2-11-19

Sampled: 2/11/2019 11:30

Sample ID: 19B0619-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	<1.00	1.00	0.340	µg/L	1		624.1	2/20/19	2/20/19 17:39	LBD
Bromodichloromethane	<2.00	2.00	0.480	µg/L	1		624.1	2/20/19	2/20/19 17:39	LBD
Bromoform	<2.00	2.00	0.280	µg/L	1		624.1	2/20/19	2/20/19 17:39	LBD
Bromomethane	<2.00	2.00	0.440	µg/L	1		624.1	2/20/19	2/20/19 17:39	LBD
Carbon Tetrachloride	<2.00	2.00	0.390	µg/L	1		624.1	2/20/19	2/20/19 17:39	LBD
Chlorobenzene	<2.00	2.00	0.300	µg/L	1		624.1	2/20/19	2/20/19 17:39	LBD
Chlorodibromomethane	<2.00	2.00	0.270	µg/L	1		624.1	2/20/19	2/20/19 17:39	LBD
Chloroethane	<2.00	2.00	0.380	µg/L	1		624.1	2/20/19	2/20/19 17:39	LBD
Chloroform	<2.00	2.00	0.330	µg/L	1		624.1	2/20/19	2/20/19 17:39	LBD
Chloromethane	<2.00	2.00	0.300	µg/L	1		624.1	2/20/19	2/20/19 17:39	LBD
1,2-Dichlorobenzene	<2.00	2.00	0.310	µg/L	1		624.1	2/20/19	2/20/19 17:39	LBD
1,3-Dichlorobenzene	<2.00	2.00	0.330	µg/L	1		624.1	2/20/19	2/20/19 17:39	LBD
1,4-Dichlorobenzene	<2.00	2.00	0.390	µg/L	1		624.1	2/20/19	2/20/19 17:39	LBD
1,2-Dichloroethane	<2.00	2.00	0.280	µg/L	1		624.1	2/20/19	2/20/19 17:39	LBD
1,1-Dichloroethane	0.900	2.00	0.330	µg/L	1	J	624.1	2/20/19	2/20/19 17:39	LBD
1,1-Dichloroethylene	0.780	2.00	0.250	µg/L	1	J	624.1	2/20/19	2/20/19 17:39	LBD
trans-1,2-Dichloroethylene	<2.00	2.00	0.400	µg/L	1		624.1	2/20/19	2/20/19 17:39	LBD
1,2-Dichloropropane	<2.00	2.00	0.310	µg/L	1		624.1	2/20/19	2/20/19 17:39	LBD
cis-1,3-Dichloropropene	<2.00	2.00	0.470	µg/L	1		624.1	2/20/19	2/20/19 17:39	LBD
trans-1,3-Dichloropropene	<2.00	2.00	0.370	µg/L	1		624.1	2/20/19	2/20/19 17:39	LBD
Ethylbenzene	<2.00	2.00	0.370	µg/L	1		624.1	2/20/19	2/20/19 17:39	LBD
Methyl tert-Butyl Ether (MTBE)	<2.00	2.00	0.240	µg/L	1		624.1	2/20/19	2/20/19 17:39	LBD
Methylene Chloride	<5.00	5.00	0.420	µg/L	1		624.1	2/20/19	2/20/19 17:39	LBD
1,1,2,2-Tetrachloroethane	<2.00	2.00	0.270	µg/L	1		624.1	2/20/19	2/20/19 17:39	LBD
Tetrachloroethylene	<2.00	2.00	0.320	µg/L	1		624.1	2/20/19	2/20/19 17:39	LBD
Toluene	<1.00	1.00	0.350	µg/L	1		624.1	2/20/19	2/20/19 17:39	LBD
1,1,1-Trichloroethane	40.2	2.00	0.250	µg/L	1		624.1	2/20/19	2/20/19 17:39	LBD
1,1,2-Trichloroethane	<2.00	2.00	0.220	µg/L	1		624.1	2/20/19	2/20/19 17:39	LBD
Trichloroethylene	<2.00	2.00	0.410	µg/L	1		624.1	2/20/19	2/20/19 17:39	LBD
Trichlorofluoromethane (Freon 11)	<2.00	2.00	0.270	µg/L	1		624.1	2/20/19	2/20/19 17:39	LBD
Vinyl Chloride	<2.00	2.00	0.300	µg/L	1		624.1	2/20/19	2/20/19 17:39	LBD
m+p Xylene	<2.00	2.00	0.650	µg/L	1		624.1	2/20/19	2/20/19 17:39	LBD
o-Xylene	<2.00	2.00	0.350	µg/L	1		624.1	2/20/19	2/20/19 17:39	LBD
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	91.1		70-130				2/20/19 17:39			
Toluene-d8	97.0		70-130				2/20/19 17:39			
4-Bromofluorobenzene	99.6		70-130				2/20/19 17:39			

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

Project Location: South Otselic

Sample Description:

Work Order: 19B0619

Date Received: 2/14/2019

Field Sample #: EFF46HZ_2-11-19

Sampled: 2/11/2019 11:35

Sample ID: 19B0619-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	<1.00	1.00	0.340	µg/L	1		624.1	2/20/19	2/20/19 16:38	LBD
Bromodichloromethane	<2.00	2.00	0.480	µg/L	1		624.1	2/20/19	2/20/19 16:38	LBD
Bromoform	<2.00	2.00	0.280	µg/L	1		624.1	2/20/19	2/20/19 16:38	LBD
Bromomethane	<2.00	2.00	0.440	µg/L	1		624.1	2/20/19	2/20/19 16:38	LBD
Carbon Tetrachloride	<2.00	2.00	0.390	µg/L	1		624.1	2/20/19	2/20/19 16:38	LBD
Chlorobenzene	<2.00	2.00	0.300	µg/L	1		624.1	2/20/19	2/20/19 16:38	LBD
Chlorodibromomethane	<2.00	2.00	0.270	µg/L	1		624.1	2/20/19	2/20/19 16:38	LBD
Chloroethane	<2.00	2.00	0.380	µg/L	1		624.1	2/20/19	2/20/19 16:38	LBD
Chloroform	<2.00	2.00	0.330	µg/L	1		624.1	2/20/19	2/20/19 16:38	LBD
Chloromethane	<2.00	2.00	0.300	µg/L	1		624.1	2/20/19	2/20/19 16:38	LBD
1,2-Dichlorobenzene	<2.00	2.00	0.310	µg/L	1		624.1	2/20/19	2/20/19 16:38	LBD
1,3-Dichlorobenzene	<2.00	2.00	0.330	µg/L	1		624.1	2/20/19	2/20/19 16:38	LBD
1,4-Dichlorobenzene	<2.00	2.00	0.390	µg/L	1		624.1	2/20/19	2/20/19 16:38	LBD
1,2-Dichloroethane	<2.00	2.00	0.280	µg/L	1		624.1	2/20/19	2/20/19 16:38	LBD
1,1-Dichloroethane	<2.00	2.00	0.330	µg/L	1		624.1	2/20/19	2/20/19 16:38	LBD
1,1-Dichloroethylene	<2.00	2.00	0.250	µg/L	1		624.1	2/20/19	2/20/19 16:38	LBD
trans-1,2-Dichloroethylene	<2.00	2.00	0.400	µg/L	1		624.1	2/20/19	2/20/19 16:38	LBD
1,2-Dichloropropane	<2.00	2.00	0.310	µg/L	1		624.1	2/20/19	2/20/19 16:38	LBD
cis-1,3-Dichloropropene	<2.00	2.00	0.470	µg/L	1		624.1	2/20/19	2/20/19 16:38	LBD
trans-1,3-Dichloropropene	<2.00	2.00	0.370	µg/L	1		624.1	2/20/19	2/20/19 16:38	LBD
Ethylbenzene	<2.00	2.00	0.370	µg/L	1		624.1	2/20/19	2/20/19 16:38	LBD
Methyl tert-Butyl Ether (MTBE)	<2.00	2.00	0.240	µg/L	1		624.1	2/20/19	2/20/19 16:38	LBD
Methylene Chloride	<5.00	5.00	0.420	µg/L	1		624.1	2/20/19	2/20/19 16:38	LBD
1,1,2,2-Tetrachloroethane	<2.00	2.00	0.270	µg/L	1		624.1	2/20/19	2/20/19 16:38	LBD
Tetrachloroethylene	<2.00	2.00	0.320	µg/L	1		624.1	2/20/19	2/20/19 16:38	LBD
Toluene	<1.00	1.00	0.350	µg/L	1		624.1	2/20/19	2/20/19 16:38	LBD
1,1,1-Trichloroethane	<2.00	2.00	0.250	µg/L	1		624.1	2/20/19	2/20/19 16:38	LBD
1,1,2-Trichloroethane	<2.00	2.00	0.220	µg/L	1		624.1	2/20/19	2/20/19 16:38	LBD
Trichloroethylene	<2.00	2.00	0.410	µg/L	1		624.1	2/20/19	2/20/19 16:38	LBD
Trichlorofluoromethane (Freon 11)	<2.00	2.00	0.270	µg/L	1		624.1	2/20/19	2/20/19 16:38	LBD
Vinyl Chloride	<2.00	2.00	0.300	µg/L	1		624.1	2/20/19	2/20/19 16:38	LBD
m+p Xylene	<2.00	2.00	0.650	µg/L	1		624.1	2/20/19	2/20/19 16:38	LBD
o-Xylene	<2.00	2.00	0.350	µg/L	1		624.1	2/20/19	2/20/19 16:38	LBD
Surrogates	% Recovery	Recovery Limits		Flag/Qual						
1,2-Dichloroethane-d4	92.8	70-130				2/20/19 16:38				
Toluene-d8	96.6	70-130				2/20/19 16:38				
4-Bromofluorobenzene	99.4	70-130				2/20/19 16:38				

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

Project Location: South Otselic

Sample Description:

Work Order: 19B0619

Date Received: 2/14/2019

Field Sample #: Trip Blank_2-11-19

Sampled: 2/11/2019 00:00

Sample ID: 19B0619-04

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	<1.00	1.00	0.340	µg/L	1		624.1	2/20/19	2/20/19 16:07	LBD
Bromodichloromethane	<2.00	2.00	0.480	µg/L	1		624.1	2/20/19	2/20/19 16:07	LBD
Bromoform	<2.00	2.00	0.280	µg/L	1		624.1	2/20/19	2/20/19 16:07	LBD
Bromomethane	<2.00	2.00	0.440	µg/L	1		624.1	2/20/19	2/20/19 16:07	LBD
Carbon Tetrachloride	<2.00	2.00	0.390	µg/L	1		624.1	2/20/19	2/20/19 16:07	LBD
Chlorobenzene	<2.00	2.00	0.300	µg/L	1		624.1	2/20/19	2/20/19 16:07	LBD
Chlorodibromomethane	<2.00	2.00	0.270	µg/L	1		624.1	2/20/19	2/20/19 16:07	LBD
Chloroethane	<2.00	2.00	0.380	µg/L	1		624.1	2/20/19	2/20/19 16:07	LBD
Chloroform	<2.00	2.00	0.330	µg/L	1		624.1	2/20/19	2/20/19 16:07	LBD
Chloromethane	<2.00	2.00	0.300	µg/L	1		624.1	2/20/19	2/20/19 16:07	LBD
1,2-Dichlorobenzene	<2.00	2.00	0.310	µg/L	1		624.1	2/20/19	2/20/19 16:07	LBD
1,3-Dichlorobenzene	<2.00	2.00	0.330	µg/L	1		624.1	2/20/19	2/20/19 16:07	LBD
1,4-Dichlorobenzene	<2.00	2.00	0.390	µg/L	1		624.1	2/20/19	2/20/19 16:07	LBD
1,2-Dichloroethane	<2.00	2.00	0.280	µg/L	1		624.1	2/20/19	2/20/19 16:07	LBD
1,1-Dichloroethane	<2.00	2.00	0.330	µg/L	1		624.1	2/20/19	2/20/19 16:07	LBD
1,1-Dichloroethylene	<2.00	2.00	0.250	µg/L	1		624.1	2/20/19	2/20/19 16:07	LBD
trans-1,2-Dichloroethylene	<2.00	2.00	0.400	µg/L	1		624.1	2/20/19	2/20/19 16:07	LBD
1,2-Dichloropropane	<2.00	2.00	0.310	µg/L	1		624.1	2/20/19	2/20/19 16:07	LBD
cis-1,3-Dichloropropene	<2.00	2.00	0.470	µg/L	1		624.1	2/20/19	2/20/19 16:07	LBD
trans-1,3-Dichloropropene	<2.00	2.00	0.370	µg/L	1		624.1	2/20/19	2/20/19 16:07	LBD
Ethylbenzene	<2.00	2.00	0.370	µg/L	1		624.1	2/20/19	2/20/19 16:07	LBD
Methyl tert-Butyl Ether (MTBE)	<2.00	2.00	0.240	µg/L	1		624.1	2/20/19	2/20/19 16:07	LBD
Methylene Chloride	<5.00	5.00	0.420	µg/L	1		624.1	2/20/19	2/20/19 16:07	LBD
1,1,2,2-Tetrachloroethane	<2.00	2.00	0.270	µg/L	1		624.1	2/20/19	2/20/19 16:07	LBD
Tetrachloroethylene	<2.00	2.00	0.320	µg/L	1		624.1	2/20/19	2/20/19 16:07	LBD
Toluene	<1.00	1.00	0.350	µg/L	1		624.1	2/20/19	2/20/19 16:07	LBD
1,1,1-Trichloroethane	<2.00	2.00	0.250	µg/L	1		624.1	2/20/19	2/20/19 16:07	LBD
1,1,2-Trichloroethane	<2.00	2.00	0.220	µg/L	1		624.1	2/20/19	2/20/19 16:07	LBD
Trichloroethylene	<2.00	2.00	0.410	µg/L	1		624.1	2/20/19	2/20/19 16:07	LBD
Trichlorofluoromethane (Freon 11)	<2.00	2.00	0.270	µg/L	1		624.1	2/20/19	2/20/19 16:07	LBD
Vinyl Chloride	<2.00	2.00	0.300	µg/L	1		624.1	2/20/19	2/20/19 16:07	LBD
m+p Xylene	<2.00	2.00	0.650	µg/L	1		624.1	2/20/19	2/20/19 16:07	LBD
o-Xylene	<2.00	2.00	0.350	µg/L	1		624.1	2/20/19	2/20/19 16:07	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	92.6	70-130	2/20/19 16:07
Toluene-d8	96.6	70-130	2/20/19 16:07
4-Bromofluorobenzene	99.3	70-130	2/20/19 16:07

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Sample Extraction Data

Prep Method: SW-846 5030B-624.1

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
19B0619-02 [RW-2_2-11-19]	B223953	5	5.00	02/20/19
19B0619-03 [EFF46HZ_2-11-19]	B223953	5	5.00	02/20/19
19B0619-04 [Trip Blank_2-11-19]	B223953	5	5.00	02/20/19

Prep Method: SW-846 5030B-624.1

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
19B0619-01 [RW-1 MS/MSD_2-11-19]	B224056	5	5.00	02/21/19

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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
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Batch B223953 - SW-846 5030B
Blank (B223953-BLK1)

Prepared & Analyzed: 02/20/19

Benzene	ND	1.00	µg/L							
Bromodichloromethane	ND	2.00	µg/L							
Bromoform	ND	2.00	µg/L							
Bromomethane	ND	2.00	µg/L							
Carbon Tetrachloride	ND	2.00	µg/L							
Chlorobenzene	ND	2.00	µg/L							
Chlorodibromomethane	ND	2.00	µg/L							
Chloroethane	ND	2.00	µg/L							
Chloroform	ND	2.00	µg/L							
Chloromethane	ND	2.00	µg/L							
1,2-Dichlorobenzene	ND	2.00	µg/L							
1,3-Dichlorobenzene	ND	2.00	µg/L							
1,4-Dichlorobenzene	ND	2.00	µg/L							
1,2-Dichloroethane	ND	2.00	µg/L							
1,1-Dichloroethane	ND	2.00	µg/L							
1,1-Dichloroethylene	ND	2.00	µg/L							
trans-1,2-Dichloroethylene	ND	2.00	µg/L							
1,2-Dichloropropane	ND	2.00	µg/L							
cis-1,3-Dichloropropene	ND	2.00	µg/L							
trans-1,3-Dichloropropene	ND	2.00	µg/L							
Ethylbenzene	ND	2.00	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	2.00	µg/L							
Methylene Chloride	ND	5.00	µg/L							
1,1,1,2,2-Tetrachloroethane	ND	2.00	µg/L							
Tetrachloroethylene	ND	2.00	µg/L							
Toluene	ND	1.00	µg/L							
1,1,1-Trichloroethane	ND	2.00	µg/L							
1,1,2-Trichloroethane	ND	2.00	µg/L							
Trichloroethylene	ND	2.00	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.00	µg/L							
Vinyl Chloride	ND	2.00	µg/L							
m+p Xylene	ND	2.00	µg/L							
o-Xylene	ND	2.00	µg/L							
Surrogate: 1,2-Dichloroethane-d4	23.1		µg/L	25.0		92.5	70-130			
Surrogate: Toluene-d8	24.0		µg/L	25.0		95.9	70-130			
Surrogate: 4-Bromofluorobenzene	24.9		µg/L	25.0		99.7	70-130			

LCS (B223953-BS1)

Prepared & Analyzed: 02/20/19

Benzene	18	1.00	µg/L	20.0		90.0	65-135			
Bromodichloromethane	20	2.00	µg/L	20.0		98.8	65-135			
Bromoform	20	2.00	µg/L	20.0		99.0	70-130			
Bromomethane	12	2.00	µg/L	20.0		62.2	15-185			
Carbon Tetrachloride	19	2.00	µg/L	20.0		96.0	70-130			
Chlorobenzene	20	2.00	µg/L	20.0		100	65-135			
Chlorodibromomethane	21	2.00	µg/L	20.0		104	70-135			
Chloroethane	17	2.00	µg/L	20.0		83.8	40-160			
Chloroform	18	2.00	µg/L	20.0		89.4	70-135			
Chloromethane	13	2.00	µg/L	20.0		66.6	20-205			
1,2-Dichlorobenzene	20	2.00	µg/L	20.0		98.8	65-135			
1,3-Dichlorobenzene	20	2.00	µg/L	20.0		101	70-130			
1,4-Dichlorobenzene	20	2.00	µg/L	20.0		97.8	65-135			
1,2-Dichloroethane	19	2.00	µg/L	20.0		93.5	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
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Batch B223953 - SW-846 5030B
LCS (B223953-BS1)

Prepared & Analyzed: 02/20/19

1,1-Dichloroethane	18	2.00	µg/L	20.0		90.3	70-130			
1,1-Dichloroethylene	18	2.00	µg/L	20.0		88.8	50-150			
trans-1,2-Dichloroethylene	18	2.00	µg/L	20.0		92.4	70-130			
1,2-Dichloropropane	18	2.00	µg/L	20.0		92.4	35-165			
cis-1,3-Dichloropropene	19	2.00	µg/L	20.0		97.1	25-175			
trans-1,3-Dichloropropene	19	2.00	µg/L	20.0		96.6	50-150			
Ethylbenzene	19	2.00	µg/L	20.0		97.3	60-140			
Methyl tert-Butyl Ether (MTBE)	18	2.00	µg/L	20.0		91.0	70-130			
Methylene Chloride	16	5.00	µg/L	20.0		81.4	60-140			
1,1,2,2-Tetrachloroethane	20	2.00	µg/L	20.0		100	60-140			
Tetrachloroethylene	21	2.00	µg/L	20.0		107	70-130			
Toluene	19	1.00	µg/L	20.0		96.6	70-130			
1,1,1-Trichloroethane	19	2.00	µg/L	20.0		94.8	70-130			
1,1,2-Trichloroethane	20	2.00	µg/L	20.0		99.2	70-130			
Trichloroethylene	19	2.00	µg/L	20.0		94.8	65-135			
Trichlorofluoromethane (Freon 11)	16	2.00	µg/L	20.0		82.2	50-150			
Vinyl Chloride	16	2.00	µg/L	20.0		78.4	5-195			
m+p Xylene	40	2.00	µg/L	40.0		99.6	70-130			
o-Xylene	20	2.00	µg/L	20.0		99.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	22.7		µg/L	25.0		90.9	70-130			
Surrogate: Toluene-d8	24.3		µg/L	25.0		97.4	70-130			
Surrogate: 4-Bromofluorobenzene	25.1		µg/L	25.0		100	70-130			

Batch B224056 - SW-846 5030B
Blank (B224056-BLK1)

Prepared: 02/21/19 Analyzed: 02/22/19

Benzene	ND	1.00	µg/L							
Bromodichloromethane	ND	2.00	µg/L							
Bromoform	ND	2.00	µg/L							
Bromomethane	ND	2.00	µg/L							
Carbon Tetrachloride	ND	2.00	µg/L							
Chlorobenzene	ND	2.00	µg/L							
Chlorodibromomethane	ND	2.00	µg/L							
Chloroethane	ND	2.00	µg/L							
Chloroform	ND	2.00	µg/L							
Chloromethane	ND	2.00	µg/L							
1,2-Dichlorobenzene	ND	2.00	µg/L							
1,3-Dichlorobenzene	ND	2.00	µg/L							
1,4-Dichlorobenzene	ND	2.00	µg/L							
1,2-Dichloroethane	ND	2.00	µg/L							
1,1-Dichloroethane	ND	2.00	µg/L							
1,1-Dichloroethylene	ND	2.00	µg/L							
trans-1,2-Dichloroethylene	ND	2.00	µg/L							
1,2-Dichloropropane	ND	2.00	µg/L							
cis-1,3-Dichloropropene	ND	2.00	µg/L							
trans-1,3-Dichloropropene	ND	2.00	µg/L							
Ethylbenzene	ND	2.00	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	2.00	µg/L							
Methylene Chloride	ND	5.00	µg/L							
1,1,2,2-Tetrachloroethane	ND	2.00	µg/L							
Tetrachloroethylene	ND	2.00	µg/L							
Toluene	ND	1.00	µg/L							
1,1,1-Trichloroethane	ND	2.00	µg/L							

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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 B224056 - SW-846 5030B										
Blank (B224056-BLK1)										
Prepared: 02/21/19 Analyzed: 02/22/19										
1,1,2-Trichloroethane	ND	2.00	µg/L							
Trichloroethylene	ND	2.00	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.00	µg/L							
Vinyl Chloride	ND	2.00	µg/L							
m+p Xylene	ND	2.00	µg/L							
o-Xylene	ND	2.00	µg/L							
Surrogate: 1,2-Dichloroethane-d4	23.2		µg/L	25.0		92.6	70-130			
Surrogate: Toluene-d8	24.3		µg/L	25.0		97.0	70-130			
Surrogate: 4-Bromofluorobenzene	25.0		µg/L	25.0		100	70-130			
LCS (B224056-BS1)										
Prepared: 02/21/19 Analyzed: 02/22/19										
Benzene	18	1.00	µg/L	20.0		92.1	65-135			
Bromodichloromethane	20	2.00	µg/L	20.0		101	65-135			
Bromoform	20	2.00	µg/L	20.0		102	70-130			
Bromomethane	14	2.00	µg/L	20.0		67.8	15-185			
Carbon Tetrachloride	19	2.00	µg/L	20.0		97.2	70-130			
Chlorobenzene	20	2.00	µg/L	20.0		101	65-135			
Chlorodibromomethane	21	2.00	µg/L	20.0		105	70-135			
Chloroethane	17	2.00	µg/L	20.0		86.4	40-160			
Chloroform	19	2.00	µg/L	20.0		92.9	70-135			
Chloromethane	14	2.00	µg/L	20.0		69.2	20-205			
1,2-Dichlorobenzene	19	2.00	µg/L	20.0		97.0	65-135			
1,3-Dichlorobenzene	20	2.00	µg/L	20.0		98.9	70-130			
1,4-Dichlorobenzene	19	2.00	µg/L	20.0		94.7	65-135			
1,2-Dichloroethane	19	2.00	µg/L	20.0		92.8	70-130			
1,1-Dichloroethane	18	2.00	µg/L	20.0		91.3	70-130			
1,1-Dichloroethylene	18	2.00	µg/L	20.0		91.1	50-150			
trans-1,2-Dichloroethylene	19	2.00	µg/L	20.0		96.9	70-130			
1,2-Dichloropropane	18	2.00	µg/L	20.0		92.0	35-165			
cis-1,3-Dichloropropene	20	2.00	µg/L	20.0		97.5	25-175			
trans-1,3-Dichloropropene	19	2.00	µg/L	20.0		97.2	50-150			
Ethylbenzene	19	2.00	µg/L	20.0		97.2	60-140			
Methyl tert-Butyl Ether (MTBE)	19	2.00	µg/L	20.0		95.2	70-130			
Methylene Chloride	17	5.00	µg/L	20.0		83.6	60-140			
1,1,2,2-Tetrachloroethane	21	2.00	µg/L	20.0		104	60-140			
Tetrachloroethylene	21	2.00	µg/L	20.0		106	70-130			
Toluene	19	1.00	µg/L	20.0		96.2	70-130			
1,1,1-Trichloroethane	19	2.00	µg/L	20.0		96.6	70-130			
1,1,2-Trichloroethane	21	2.00	µg/L	20.0		103	70-130			
Trichloroethylene	19	2.00	µg/L	20.0		96.9	65-135			
Trichlorofluoromethane (Freon 11)	17	2.00	µg/L	20.0		83.9	50-150			
Vinyl Chloride	16	2.00	µg/L	20.0		78.6	5-195			
m+p Xylene	40	2.00	µg/L	40.0		99.3	70-130			
o-Xylene	20	2.00	µg/L	20.0		99.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	22.8		µg/L	25.0		91.3	70-130			
Surrogate: Toluene-d8	24.3		µg/L	25.0		97.2	70-130			
Surrogate: 4-Bromofluorobenzene	24.8		µg/L	25.0		99.1	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
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Batch B224056 - SW-846 5030B

Matrix Spike (B224056-MS1)		Source: 19B0619-01			Prepared: 02/21/19 Analyzed: 02/22/19					
Benzene	20	1.00	µg/L	20.0	ND	100	37-151			
Bromodichloromethane	22	2.00	µg/L	20.0	ND	109	35-155			
Bromoform	21	2.00	µg/L	20.0	ND	106	45-169			
Bromomethane	14	2.00	µg/L	20.0	ND	70.0	20-242			
Carbon Tetrachloride	22	2.00	µg/L	20.0	ND	111	70-140			
Chlorobenzene	21	2.00	µg/L	20.0	ND	107	37-160			
Chlorodibromomethane	22	2.00	µg/L	20.0	ND	110	53-149			
Chloroethane	19	2.00	µg/L	20.0	ND	93.8	14-230			
Chloroform	20	2.00	µg/L	20.0	ND	100	51-138			
Chloromethane	15	2.00	µg/L	20.0	ND	75.3	20-273			
1,2-Dichlorobenzene	21	2.00	µg/L	20.0	ND	103	18-190			
1,3-Dichlorobenzene	21	2.00	µg/L	20.0	ND	105	59-156			
1,4-Dichlorobenzene	20	2.00	µg/L	20.0	ND	101	18-190			
1,2-Dichloroethane	20	2.00	µg/L	20.0	ND	100	49-155			
1,1-Dichloroethane	22	2.00	µg/L	20.0	1.4	101	59-155			
1,1-Dichloroethylene	21	2.00	µg/L	20.0	0.79	103	20-234			
trans-1,2-Dichloroethylene	21	2.00	µg/L	20.0	ND	106	54-156			
1,2-Dichloropropane	20	2.00	µg/L	20.0	ND	98.6	20-210			
cis-1,3-Dichloropropene	20	2.00	µg/L	20.0	ND	102	20-227			
trans-1,3-Dichloropropene	20	2.00	µg/L	20.0	ND	101	17-183			
Ethylbenzene	21	2.00	µg/L	20.0	ND	105	37-162			
Methyl tert-Butyl Ether (MTBE)	20	2.00	µg/L	20.0	ND	98.0	70-130			
Methylene Chloride	18	5.00	µg/L	20.0	ND	89.9	20-221			
1,1,2,2-Tetrachloroethane	22	2.00	µg/L	20.0	ND	108	46-157			
Tetrachloroethylene	24	2.00	µg/L	20.0	ND	118	64-148			
Toluene	21	1.00	µg/L	20.0	ND	106	47-150			
1,1,1-Trichloroethane	61	2.00	µg/L	20.0	39	108	52-162			
1,1,2-Trichloroethane	21	2.00	µg/L	20.0	ND	106	52-150			
Trichloroethylene	22	2.00	µg/L	20.0	ND	108	70-157			
Trichlorofluoromethane (Freon 11)	19	2.00	µg/L	20.0	ND	95.0	17-181			
Vinyl Chloride	18	2.00	µg/L	20.0	ND	91.0	20-251			
m+p Xylene	43	2.00	µg/L	40.0	ND	107	70-130			
o-Xylene	21	2.00	µg/L	20.0	ND	106	70-130			
Surrogate: 1,2-Dichloroethane-d4	22.7		µg/L	25.0		90.9	70-130			
Surrogate: Toluene-d8	24.6		µg/L	25.0		98.4	70-130			
Surrogate: 4-Bromofluorobenzene	25.0		µg/L	25.0		100	70-130			

Matrix Spike Dup (B224056-MSD1)		Source: 19B0619-01			Prepared: 02/21/19 Analyzed: 02/22/19					
Benzene	20	1.00	µg/L	20.0	ND	98.0	37-151	2.42	61	
Bromodichloromethane	21	2.00	µg/L	20.0	ND	105	35-155	3.47	56	
Bromoform	20	2.00	µg/L	20.0	ND	102	45-169	3.13	42	
Bromomethane	15	2.00	µg/L	20.0	ND	74.4	20-242	6.09	61	
Carbon Tetrachloride	22	2.00	µg/L	20.0	ND	108	70-140	2.93	41	
Chlorobenzene	21	2.00	µg/L	20.0	ND	105	37-160	1.75	53	
Chlorodibromomethane	22	2.00	µg/L	20.0	ND	108	53-149	1.74	50	
Chloroethane	18	2.00	µg/L	20.0	ND	91.0	14-230	3.14	78	
Chloroform	20	2.00	µg/L	20.0	ND	97.8	51-138	2.48	54	
Chloromethane	15	2.00	µg/L	20.0	ND	73.2	20-273	2.76	60	
1,2-Dichlorobenzene	21	2.00	µg/L	20.0	ND	103	18-190	0.00	57	
1,3-Dichlorobenzene	21	2.00	µg/L	20.0	ND	106	59-156	0.902	43	
1,4-Dichlorobenzene	20	2.00	µg/L	20.0	ND	101	18-190	0.643	57	
1,2-Dichloroethane	19	2.00	µg/L	20.0	ND	97.4	49-155	2.64	49	

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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 B224056 - SW-846 5030B										
Matrix Spike Dup (B224056-MSD1)	Source: 19B0619-01			Prepared: 02/21/19 Analyzed: 02/22/19						
1,1-Dichloroethane	21	2.00	µg/L	20.0	1.4	98.7	59-155	2.06	40	
1,1-Dichloroethylene	21	2.00	µg/L	20.0	0.79	101	20-234	2.03	32	
trans-1,2-Dichloroethylene	21	2.00	µg/L	20.0	ND	103	54-156	2.58	45	
1,2-Dichloropropane	19	2.00	µg/L	20.0	ND	96.0	20-210	2.77	55	
cis-1,3-Dichloropropene	20	2.00	µg/L	20.0	ND	99.0	20-227	2.74	58	
trans-1,3-Dichloropropene	20	2.00	µg/L	20.0	ND	97.8	17-183	3.57	86	
Ethylbenzene	21	2.00	µg/L	20.0	ND	103	37-162	2.11	63	
Methyl tert-Butyl Ether (MTBE)	19	2.00	µg/L	20.0	ND	96.4	70-130	1.70	20	
Methylene Chloride	18	5.00	µg/L	20.0	ND	88.5	20-221	1.57	28	
1,1,2,2-Tetrachloroethane	21	2.00	µg/L	20.0	ND	106	46-157	2.52	61	
Tetrachloroethylene	23	2.00	µg/L	20.0	ND	115	64-148	2.54	39	
Toluene	21	1.00	µg/L	20.0	ND	103	47-150	3.44	41	
1,1,1-Trichloroethane	61	2.00	µg/L	20.0	39	110	52-162	0.474	36	
1,1,2-Trichloroethane	21	2.00	µg/L	20.0	ND	104	52-150	2.43	45	
Trichloroethylene	21	2.00	µg/L	20.0	ND	104	70-157	3.72	48	
Trichlorofluoromethane (Freon 11)	18	2.00	µg/L	20.0	ND	92.5	17-181	2.72	84	
Vinyl Chloride	18	2.00	µg/L	20.0	ND	87.5	20-251	3.92	66	
m+p Xylene	42	2.00	µg/L	40.0	ND	104	70-130	3.03	20	
o-Xylene	21	2.00	µg/L	20.0	ND	105	70-130	0.947	20	
Surrogate: 1,2-Dichloroethane-d4	22.7		µg/L	25.0		90.8	70-130			
Surrogate: Toluene-d8	24.2		µg/L	25.0		96.9	70-130			
Surrogate: 4-Bromofluorobenzene	25.4		µg/L	25.0		101	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.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
624.1 in Water	
Benzene	CT,NY,MA,NH,RI,NC,ME,VA
Bromodichloromethane	CT,NY,MA,NH,RI,NC,ME,VA
Bromoform	CT,NY,MA,NH,RI,NC,ME,VA
Bromomethane	CT,NY,MA,NH,RI,NC,ME,VA
Carbon Tetrachloride	CT,NY,MA,NH,RI,NC,ME,VA
Chlorobenzene	CT,NY,MA,NH,RI,NC,ME,VA
Chlorodibromomethane	CT,NY,MA,NH,RI,NC,ME,VA
Chloroethane	CT,NY,MA,NH,RI,NC,ME,VA
Chloroform	CT,NY,MA,NH,RI,NC,ME,VA
Chloromethane	CT,NY,MA,NH,RI,NC,ME,VA
1,2-Dichlorobenzene	CT,NY,MA,NH,RI,NC,ME,VA
1,3-Dichlorobenzene	CT,NY,MA,NH,RI,NC,ME,VA
1,4-Dichlorobenzene	CT,NY,MA,NH,RI,NC,ME,VA
1,2-Dichloroethane	CT,NY,MA,NH,RI,NC,ME,VA
1,1-Dichloroethane	CT,NY,MA,NH,RI,NC,ME,VA
1,1-Dichloroethylene	CT,NY,MA,NH,RI,NC,ME,VA
trans-1,2-Dichloroethylene	CT,NY,MA,NH,RI,NC,ME,VA
1,2-Dichloropropane	CT,NY,MA,NH,RI,NC,ME,VA
cis-1,3-Dichloropropene	CT,NY,MA,NH,RI,NC,ME,VA
trans-1,3-Dichloropropene	CT,NY,MA,NH,RI,NC,ME,VA
Ethylbenzene	CT,NY,MA,NH,RI,NC,ME,VA
Methyl tert-Butyl Ether (MTBE)	NY,MA,NH,NC
Methylene Chloride	CT,NY,MA,NH,RI,NC,ME,VA
1,1,2,2-Tetrachloroethane	CT,NY,MA,NH,RI,NC,ME,VA
Tetrachloroethylene	CT,NY,MA,NH,RI,NC,ME,VA
Toluene	CT,NY,MA,NH,RI,NC,ME,VA
1,1,1-Trichloroethane	CT,NY,MA,NH,RI,NC,ME,VA
1,1,2-Trichloroethane	CT,NY,MA,NH,RI,NC,ME,VA
Trichloroethylene	CT,NY,MA,NH,RI,NC,ME,VA
Trichlorofluoromethane (Freon 11)	CT,NY,MA,NH,RI,NC,ME,VA
Vinyl Chloride	CT,NY,MA,NH,RI,NC,ME,VA
m+p Xylene	CT,NY,MA,NH,RI,NC
o-Xylene	CT,NY,MA,NH,RI,NC

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The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2020
RI	Rhode Island Department of Health	LAO00112	12/30/2019
NC	North Carolina Div. of Water Quality	652	12/31/2019
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2019
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

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806832458059 

Delivered
Thursday 2/14/2019 at 9:12 am

**DELIVERED**

Signed for by: J.PETRATIS

GET STATUS UPDATES**OBTAIN PROOF OF DELIVERY****FROM**
SYR US**TO**
MA US**Shipment Facts****TRACKING NUMBER**
806832458059**SERVICE**
FedEx Priority Overnight**WEIGHT**
11 lbs / 4.99 kgs**DIMENSIONS**
14x11x11 in.**DELIVERED TO**
Shipping/Receiving**TOTAL PIECES**
1**TOTAL SHIPMENT WEIGHT**
11 lbs / 4.99 kgs**TERMS**
Recipient**PACKAGING**
Your Packaging**SPECIAL HANDLING SECTION**
Deliver Weekday**STANDARD TRANSIT**

2/13/2019 by 10:30 am**SHIP DATE**

Tue 2/12/2019**ACTUAL DELIVERY**
Thu 2/14/2019 9:12 am**Travel History**Local Scan Time 

Thursday, 2/14/2019

9:12 am	MA	Delivered
8:19 am	WINDSOR LOCKS, CT	On FedEx vehicle for delivery
6:56 am	WINDSOR LOCKS, CT	At local FedEx facility

Wednesday, 2/13/2019

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 Arcaelis
 Received By RAB Date 2/14/19 Time 9:12
 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 # 1 Actual Temp - 5.0
 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? T
 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-	<u>1</u>	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-	<u>3</u>	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:

April 1, 2019

Jeremy Wyckoff
Arcadis US, Inc. - Clifton Park-NY
855 Route 146, Suite 210
Clifton Park, NY 12065

Project Location: Town of Otselic, NY
Client Job Number:
Project Number: 00266406.0000
Laboratory Work Order Number: 19C1402

Enclosed are results of analyses for samples received by the laboratory on March 26, 2019. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Aaron L. Benoit", with a horizontal line extending to the right.

Aaron L. Benoit
Project Manager

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Arcadis US, Inc. - Clifton Park-NY
855 Route 146, Suite 210
Clifton Park, NY 12065
ATTN: Jeremy Wyckoff

REPORT DATE: 4/1/2019

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 00266406.0000

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 19C1402

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

PROJECT LOCATION: Town of Otselic, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
RW-1_20190326	19C1402-01	Ground Water		624.1	
RW-2_20190326	19C1402-02	Ground Water		624.1	
EFF-46H2_20190326	19C1402-03	Ground Water		624.1	
TRIP BLANK_20190326	19C1402-04	Trip Blank Water		624.1	

CASE NARRATIVE SUMMARY

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

The results of analyses reported only relate to samples submitted to the Con-Test 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.

A handwritten signature in black ink, appearing to read "Lisa Worthington", is written over a light pink rectangular background.

Lisa A. Worthington
Project Manager

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

Project Location: Town of Otselic, NY

Sample Description:

Work Order: 19C1402

Date Received: 3/26/2019

Field Sample #: RW-1_20190326

Sampled: 3/26/2019 10:35

Sample ID: 19C1402-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	<1.00	1.00	0.180	µg/L	1		624.1	3/29/19	3/29/19 15:16	LBD
Bromodichloromethane	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 15:16	LBD
Bromoform	<2.00	2.00	0.460	µg/L	1		624.1	3/29/19	3/29/19 15:16	LBD
Bromomethane	<2.00	2.00	0.780	µg/L	1		624.1	3/29/19	3/29/19 15:16	LBD
Carbon Tetrachloride	<2.00	2.00	0.110	µg/L	1		624.1	3/29/19	3/29/19 15:16	LBD
Chlorobenzene	<2.00	2.00	0.150	µg/L	1		624.1	3/29/19	3/29/19 15:16	LBD
Chlorodibromomethane	<2.00	2.00	0.210	µg/L	1		624.1	3/29/19	3/29/19 15:16	LBD
Chloroethane	<2.00	2.00	0.350	µg/L	1		624.1	3/29/19	3/29/19 15:16	LBD
Chloroform	<2.00	2.00	0.170	µg/L	1		624.1	3/29/19	3/29/19 15:16	LBD
Chloromethane	<2.00	2.00	0.450	µg/L	1		624.1	3/29/19	3/29/19 15:16	LBD
1,2-Dichlorobenzene	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 15:16	LBD
1,3-Dichlorobenzene	<2.00	2.00	0.120	µg/L	1		624.1	3/29/19	3/29/19 15:16	LBD
1,4-Dichlorobenzene	<2.00	2.00	0.130	µg/L	1		624.1	3/29/19	3/29/19 15:16	LBD
1,2-Dichloroethane	<2.00	2.00	0.410	µg/L	1		624.1	3/29/19	3/29/19 15:16	LBD
1,1-Dichloroethane	1.02	2.00	0.160	µg/L	1	J	624.1	3/29/19	3/29/19 15:16	LBD
1,1-Dichloroethylene	0.700	2.00	0.320	µg/L	1	J	624.1	3/29/19	3/29/19 15:16	LBD
trans-1,2-Dichloroethylene	<2.00	2.00	0.310	µg/L	1		624.1	3/29/19	3/29/19 15:16	LBD
1,2-Dichloropropane	<2.00	2.00	0.200	µg/L	1		624.1	3/29/19	3/29/19 15:16	LBD
cis-1,3-Dichloropropene	<2.00	2.00	0.130	µg/L	1		624.1	3/29/19	3/29/19 15:16	LBD
trans-1,3-Dichloropropene	<2.00	2.00	0.230	µg/L	1		624.1	3/29/19	3/29/19 15:16	LBD
Ethylbenzene	<2.00	2.00	0.130	µg/L	1		624.1	3/29/19	3/29/19 15:16	LBD
Methyl tert-Butyl Ether (MTBE)	<2.00	2.00	0.250	µg/L	1		624.1	3/29/19	3/29/19 15:16	LBD
Methylene Chloride	<5.00	5.00	0.340	µg/L	1		624.1	3/29/19	3/29/19 15:16	LBD
1,1,2,2-Tetrachloroethane	<2.00	2.00	0.220	µg/L	1		624.1	3/29/19	3/29/19 15:16	LBD
Tetrachloroethylene	<2.00	2.00	0.180	µg/L	1		624.1	3/29/19	3/29/19 15:16	LBD
Toluene	<1.00	1.00	0.140	µg/L	1		624.1	3/29/19	3/29/19 15:16	LBD
1,1,1-Trichloroethane	32.3	2.00	0.200	µg/L	1		624.1	3/29/19	3/29/19 15:16	LBD
1,1,2-Trichloroethane	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 15:16	LBD
Trichloroethylene	<2.00	2.00	0.240	µg/L	1		624.1	3/29/19	3/29/19 15:16	LBD
Trichlorofluoromethane (Freon 11)	<2.00	2.00	0.330	µg/L	1		624.1	3/29/19	3/29/19 15:16	LBD
Vinyl Chloride	<2.00	2.00	0.450	µg/L	1		624.1	3/29/19	3/29/19 15:16	LBD
m+p Xylene	<2.00	2.00	0.300	µg/L	1		624.1	3/29/19	3/29/19 15:16	LBD
o-Xylene	<2.00	2.00	0.170	µg/L	1		624.1	3/29/19	3/29/19 15:16	LBD
Surrogates	% Recovery	Recovery Limits		Flag/Qual						
1,2-Dichloroethane-d4	93.5	70-130				3/29/19 15:16				
Toluene-d8	100	70-130				3/29/19 15:16				
4-Bromofluorobenzene	101	70-130				3/29/19 15:16				

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Project Location: Town of Otselic, NY

Sample Description:

Work Order: 19C1402

Date Received: 3/26/2019

Field Sample #: RW-2_20190326

Sampled: 3/26/2019 10:45

Sample ID: 19C1402-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	<1.00	1.00	0.180	µg/L	1		624.1	3/29/19	3/29/19 15:47	LBD
Bromodichloromethane	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 15:47	LBD
Bromoform	<2.00	2.00	0.460	µg/L	1		624.1	3/29/19	3/29/19 15:47	LBD
Bromomethane	<2.00	2.00	0.780	µg/L	1		624.1	3/29/19	3/29/19 15:47	LBD
Carbon Tetrachloride	<2.00	2.00	0.110	µg/L	1		624.1	3/29/19	3/29/19 15:47	LBD
Chlorobenzene	<2.00	2.00	0.150	µg/L	1		624.1	3/29/19	3/29/19 15:47	LBD
Chlorodibromomethane	<2.00	2.00	0.210	µg/L	1		624.1	3/29/19	3/29/19 15:47	LBD
Chloroethane	<2.00	2.00	0.350	µg/L	1		624.1	3/29/19	3/29/19 15:47	LBD
Chloroform	<2.00	2.00	0.170	µg/L	1		624.1	3/29/19	3/29/19 15:47	LBD
Chloromethane	<2.00	2.00	0.450	µg/L	1		624.1	3/29/19	3/29/19 15:47	LBD
1,2-Dichlorobenzene	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 15:47	LBD
1,3-Dichlorobenzene	<2.00	2.00	0.120	µg/L	1		624.1	3/29/19	3/29/19 15:47	LBD
1,4-Dichlorobenzene	<2.00	2.00	0.130	µg/L	1		624.1	3/29/19	3/29/19 15:47	LBD
1,2-Dichloroethane	<2.00	2.00	0.410	µg/L	1		624.1	3/29/19	3/29/19 15:47	LBD
1,1-Dichloroethane	0.540	2.00	0.160	µg/L	1	J	624.1	3/29/19	3/29/19 15:47	LBD
1,1-Dichloroethylene	0.610	2.00	0.320	µg/L	1	J	624.1	3/29/19	3/29/19 15:47	LBD
trans-1,2-Dichloroethylene	<2.00	2.00	0.310	µg/L	1		624.1	3/29/19	3/29/19 15:47	LBD
1,2-Dichloropropane	<2.00	2.00	0.200	µg/L	1		624.1	3/29/19	3/29/19 15:47	LBD
cis-1,3-Dichloropropene	<2.00	2.00	0.130	µg/L	1		624.1	3/29/19	3/29/19 15:47	LBD
trans-1,3-Dichloropropene	<2.00	2.00	0.230	µg/L	1		624.1	3/29/19	3/29/19 15:47	LBD
Ethylbenzene	<2.00	2.00	0.130	µg/L	1		624.1	3/29/19	3/29/19 15:47	LBD
Methyl tert-Butyl Ether (MTBE)	<2.00	2.00	0.250	µg/L	1		624.1	3/29/19	3/29/19 15:47	LBD
Methylene Chloride	<5.00	5.00	0.340	µg/L	1		624.1	3/29/19	3/29/19 15:47	LBD
1,1,2,2-Tetrachloroethane	<2.00	2.00	0.220	µg/L	1		624.1	3/29/19	3/29/19 15:47	LBD
Tetrachloroethylene	<2.00	2.00	0.180	µg/L	1		624.1	3/29/19	3/29/19 15:47	LBD
Toluene	<1.00	1.00	0.140	µg/L	1		624.1	3/29/19	3/29/19 15:47	LBD
1,1,1-Trichloroethane	28.0	2.00	0.200	µg/L	1		624.1	3/29/19	3/29/19 15:47	LBD
1,1,2-Trichloroethane	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 15:47	LBD
Trichloroethylene	<2.00	2.00	0.240	µg/L	1		624.1	3/29/19	3/29/19 15:47	LBD
Trichlorofluoromethane (Freon 11)	<2.00	2.00	0.330	µg/L	1		624.1	3/29/19	3/29/19 15:47	LBD
Vinyl Chloride	<2.00	2.00	0.450	µg/L	1		624.1	3/29/19	3/29/19 15:47	LBD
m+p Xylene	<2.00	2.00	0.300	µg/L	1		624.1	3/29/19	3/29/19 15:47	LBD
o-Xylene	<2.00	2.00	0.170	µg/L	1		624.1	3/29/19	3/29/19 15:47	LBD
Surrogates	% Recovery	Recovery Limits		Flag/Qual						
1,2-Dichloroethane-d4	94.1	70-130				3/29/19 15:47				
Toluene-d8	98.6	70-130				3/29/19 15:47				
4-Bromofluorobenzene	101	70-130				3/29/19 15:47				

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

Project Location: Town of Otselic, NY

Sample Description:

Work Order: 19C1402

Date Received: 3/26/2019

Field Sample #: EFF-46H2_20190326

Sampled: 3/26/2019 10:50

Sample ID: 19C1402-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	<1.00	1.00	0.180	µg/L	1		624.1	3/29/19	3/29/19 14:46	LBD
Bromodichloromethane	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 14:46	LBD
Bromoform	<2.00	2.00	0.460	µg/L	1		624.1	3/29/19	3/29/19 14:46	LBD
Bromomethane	<2.00	2.00	0.780	µg/L	1		624.1	3/29/19	3/29/19 14:46	LBD
Carbon Tetrachloride	<2.00	2.00	0.110	µg/L	1		624.1	3/29/19	3/29/19 14:46	LBD
Chlorobenzene	<2.00	2.00	0.150	µg/L	1		624.1	3/29/19	3/29/19 14:46	LBD
Chlorodibromomethane	<2.00	2.00	0.210	µg/L	1		624.1	3/29/19	3/29/19 14:46	LBD
Chloroethane	<2.00	2.00	0.350	µg/L	1		624.1	3/29/19	3/29/19 14:46	LBD
Chloroform	<2.00	2.00	0.170	µg/L	1		624.1	3/29/19	3/29/19 14:46	LBD
Chloromethane	<2.00	2.00	0.450	µg/L	1		624.1	3/29/19	3/29/19 14:46	LBD
1,2-Dichlorobenzene	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 14:46	LBD
1,3-Dichlorobenzene	<2.00	2.00	0.120	µg/L	1		624.1	3/29/19	3/29/19 14:46	LBD
1,4-Dichlorobenzene	<2.00	2.00	0.130	µg/L	1		624.1	3/29/19	3/29/19 14:46	LBD
1,2-Dichloroethane	<2.00	2.00	0.410	µg/L	1		624.1	3/29/19	3/29/19 14:46	LBD
1,1-Dichloroethane	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 14:46	LBD
1,1-Dichloroethylene	<2.00	2.00	0.320	µg/L	1		624.1	3/29/19	3/29/19 14:46	LBD
trans-1,2-Dichloroethylene	<2.00	2.00	0.310	µg/L	1		624.1	3/29/19	3/29/19 14:46	LBD
1,2-Dichloropropane	<2.00	2.00	0.200	µg/L	1		624.1	3/29/19	3/29/19 14:46	LBD
cis-1,3-Dichloropropene	<2.00	2.00	0.130	µg/L	1		624.1	3/29/19	3/29/19 14:46	LBD
trans-1,3-Dichloropropene	<2.00	2.00	0.230	µg/L	1		624.1	3/29/19	3/29/19 14:46	LBD
Ethylbenzene	<2.00	2.00	0.130	µg/L	1		624.1	3/29/19	3/29/19 14:46	LBD
Methyl tert-Butyl Ether (MTBE)	<2.00	2.00	0.250	µg/L	1		624.1	3/29/19	3/29/19 14:46	LBD
Methylene Chloride	<5.00	5.00	0.340	µg/L	1		624.1	3/29/19	3/29/19 14:46	LBD
1,1,2,2-Tetrachloroethane	<2.00	2.00	0.220	µg/L	1		624.1	3/29/19	3/29/19 14:46	LBD
Tetrachloroethylene	<2.00	2.00	0.180	µg/L	1		624.1	3/29/19	3/29/19 14:46	LBD
Toluene	<1.00	1.00	0.140	µg/L	1		624.1	3/29/19	3/29/19 14:46	LBD
1,1,1-Trichloroethane	<2.00	2.00	0.200	µg/L	1		624.1	3/29/19	3/29/19 14:46	LBD
1,1,2-Trichloroethane	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 14:46	LBD
Trichloroethylene	<2.00	2.00	0.240	µg/L	1		624.1	3/29/19	3/29/19 14:46	LBD
Trichlorofluoromethane (Freon 11)	<2.00	2.00	0.330	µg/L	1		624.1	3/29/19	3/29/19 14:46	LBD
Vinyl Chloride	<2.00	2.00	0.450	µg/L	1		624.1	3/29/19	3/29/19 14:46	LBD
m+p Xylene	<2.00	2.00	0.300	µg/L	1		624.1	3/29/19	3/29/19 14:46	LBD
o-Xylene	<2.00	2.00	0.170	µg/L	1		624.1	3/29/19	3/29/19 14:46	LBD
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	95.1		70-130							
Toluene-d8	97.7		70-130							
4-Bromofluorobenzene	101		70-130							

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

Project Location: Town of Otselic, NY

Sample Description:

Work Order: 19C1402

Date Received: 3/26/2019

Field Sample #: TRIP BLANK_20190326

Sampled: 3/26/2019 00:00

Sample ID: 19C1402-04

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	<1.00	1.00	0.180	µg/L	1		624.1	3/29/19	3/29/19 14:15	LBD
Bromodichloromethane	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 14:15	LBD
Bromoform	<2.00	2.00	0.460	µg/L	1		624.1	3/29/19	3/29/19 14:15	LBD
Bromomethane	<2.00	2.00	0.780	µg/L	1		624.1	3/29/19	3/29/19 14:15	LBD
Carbon Tetrachloride	<2.00	2.00	0.110	µg/L	1		624.1	3/29/19	3/29/19 14:15	LBD
Chlorobenzene	<2.00	2.00	0.150	µg/L	1		624.1	3/29/19	3/29/19 14:15	LBD
Chlorodibromomethane	<2.00	2.00	0.210	µg/L	1		624.1	3/29/19	3/29/19 14:15	LBD
Chloroethane	<2.00	2.00	0.350	µg/L	1		624.1	3/29/19	3/29/19 14:15	LBD
Chloroform	<2.00	2.00	0.170	µg/L	1		624.1	3/29/19	3/29/19 14:15	LBD
Chloromethane	<2.00	2.00	0.450	µg/L	1		624.1	3/29/19	3/29/19 14:15	LBD
1,2-Dichlorobenzene	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 14:15	LBD
1,3-Dichlorobenzene	<2.00	2.00	0.120	µg/L	1		624.1	3/29/19	3/29/19 14:15	LBD
1,4-Dichlorobenzene	<2.00	2.00	0.130	µg/L	1		624.1	3/29/19	3/29/19 14:15	LBD
1,2-Dichloroethane	<2.00	2.00	0.410	µg/L	1		624.1	3/29/19	3/29/19 14:15	LBD
1,1-Dichloroethane	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 14:15	LBD
1,1-Dichloroethylene	<2.00	2.00	0.320	µg/L	1		624.1	3/29/19	3/29/19 14:15	LBD
trans-1,2-Dichloroethylene	<2.00	2.00	0.310	µg/L	1		624.1	3/29/19	3/29/19 14:15	LBD
1,2-Dichloropropane	<2.00	2.00	0.200	µg/L	1		624.1	3/29/19	3/29/19 14:15	LBD
cis-1,3-Dichloropropene	<2.00	2.00	0.130	µg/L	1		624.1	3/29/19	3/29/19 14:15	LBD
trans-1,3-Dichloropropene	<2.00	2.00	0.230	µg/L	1		624.1	3/29/19	3/29/19 14:15	LBD
Ethylbenzene	<2.00	2.00	0.130	µg/L	1		624.1	3/29/19	3/29/19 14:15	LBD
Methyl tert-Butyl Ether (MTBE)	<2.00	2.00	0.250	µg/L	1		624.1	3/29/19	3/29/19 14:15	LBD
Methylene Chloride	<5.00	5.00	0.340	µg/L	1		624.1	3/29/19	3/29/19 14:15	LBD
1,1,2,2-Tetrachloroethane	<2.00	2.00	0.220	µg/L	1		624.1	3/29/19	3/29/19 14:15	LBD
Tetrachloroethylene	<2.00	2.00	0.180	µg/L	1		624.1	3/29/19	3/29/19 14:15	LBD
Toluene	<1.00	1.00	0.140	µg/L	1		624.1	3/29/19	3/29/19 14:15	LBD
1,1,1-Trichloroethane	<2.00	2.00	0.200	µg/L	1		624.1	3/29/19	3/29/19 14:15	LBD
1,1,2-Trichloroethane	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 14:15	LBD
Trichloroethylene	<2.00	2.00	0.240	µg/L	1		624.1	3/29/19	3/29/19 14:15	LBD
Trichlorofluoromethane (Freon 11)	<2.00	2.00	0.330	µg/L	1		624.1	3/29/19	3/29/19 14:15	LBD
Vinyl Chloride	<2.00	2.00	0.450	µg/L	1		624.1	3/29/19	3/29/19 14:15	LBD
m+p Xylene	<2.00	2.00	0.300	µg/L	1		624.1	3/29/19	3/29/19 14:15	LBD
o-Xylene	<2.00	2.00	0.170	µg/L	1		624.1	3/29/19	3/29/19 14:15	LBD
Surrogates	% Recovery	Recovery Limits		Flag/Qual						
1,2-Dichloroethane-d4	93.4	70-130				3/29/19 14:15				
Toluene-d8	97.2	70-130				3/29/19 14:15				
4-Bromofluorobenzene	101	70-130				3/29/19 14:15				

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

Sample Extraction Data

Prep Method: SW-846 5030B-624.1

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
19C1402-01 [RW-1_20190326]	B226957	5	5.00	03/29/19
19C1402-02 [RW-2_20190326]	B226957	5	5.00	03/29/19
19C1402-03 [EFF-46H2_20190326]	B226957	5	5.00	03/29/19
19C1402-04 [TRIP BLANK_20190326]	B226957	5	5.00	03/29/19

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

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
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Batch B226957 - SW-846 5030B
Blank (B226957-BLK1)

Prepared & Analyzed: 03/29/19

Benzene	ND	1.00	µg/L							
Bromodichloromethane	ND	2.00	µg/L							
Bromoform	ND	2.00	µg/L							
Bromomethane	ND	2.00	µg/L							
Carbon Tetrachloride	ND	2.00	µg/L							
Chlorobenzene	ND	2.00	µg/L							
Chlorodibromomethane	ND	2.00	µg/L							
Chloroethane	ND	2.00	µg/L							
Chloroform	ND	2.00	µg/L							
Chloromethane	ND	2.00	µg/L							
1,2-Dichlorobenzene	ND	2.00	µg/L							
1,3-Dichlorobenzene	ND	2.00	µg/L							
1,4-Dichlorobenzene	ND	2.00	µg/L							
1,2-Dichloroethane	ND	2.00	µg/L							
1,1-Dichloroethane	ND	2.00	µg/L							
1,1-Dichloroethylene	ND	2.00	µg/L							
trans-1,2-Dichloroethylene	ND	2.00	µg/L							
1,2-Dichloropropane	ND	2.00	µg/L							
cis-1,3-Dichloropropene	ND	2.00	µg/L							
trans-1,3-Dichloropropene	ND	2.00	µg/L							
Ethylbenzene	ND	2.00	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	2.00	µg/L							
Methylene Chloride	ND	5.00	µg/L							
1,1,1,2-Tetrachloroethane	ND	2.00	µg/L							
Tetrachloroethylene	ND	2.00	µg/L							
Toluene	ND	1.00	µg/L							
1,1,1-Trichloroethane	ND	2.00	µg/L							
1,1,2-Trichloroethane	ND	2.00	µg/L							
Trichloroethylene	ND	2.00	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.00	µg/L							
Vinyl Chloride	ND	2.00	µg/L							
m+p Xylene	ND	2.00	µg/L							
o-Xylene	ND	2.00	µg/L							
Surrogate: 1,2-Dichloroethane-d4	23.9		µg/L	25.0		95.7	70-130			
Surrogate: Toluene-d8	24.3		µg/L	25.0		97.1	70-130			
Surrogate: 4-Bromofluorobenzene	25.2		µg/L	25.0		101	70-130			

LCS (B226957-BS1)

Prepared & Analyzed: 03/29/19

Benzene	17	1.00	µg/L	20.0		83.0	65-135			
Bromodichloromethane	20	2.00	µg/L	20.0		102	65-135			
Bromoform	21	2.00	µg/L	20.0		104	70-130			
Bromomethane	14	2.00	µg/L	20.0		71.2	15-185			
Carbon Tetrachloride	21	2.00	µg/L	20.0		103	70-130			
Chlorobenzene	20	2.00	µg/L	20.0		101	65-135			
Chlorodibromomethane	21	2.00	µg/L	20.0		106	70-135			
Chloroethane	18	2.00	µg/L	20.0		92.2	40-160			
Chloroform	18	2.00	µg/L	20.0		88.6	70-135			
Chloromethane	13	2.00	µg/L	20.0		65.2	20-205			
1,2-Dichlorobenzene	19	2.00	µg/L	20.0		96.0	65-135			
1,3-Dichlorobenzene	20	2.00	µg/L	20.0		98.8	70-130			
1,4-Dichlorobenzene	19	2.00	µg/L	20.0		96.5	65-135			
1,2-Dichloroethane	20	2.00	µg/L	20.0		99.0	70-130			

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

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
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Batch B226957 - SW-846 5030B

LCS (B226957-BS1)

Prepared & Analyzed: 03/29/19

1,1-Dichloroethane	17	2.00	µg/L	20.0		85.3	70-130			
1,1-Dichloroethylene	20	2.00	µg/L	20.0		102	50-150			
trans-1,2-Dichloroethylene	18	2.00	µg/L	20.0		88.2	70-130			
1,2-Dichloropropane	17	2.00	µg/L	20.0		86.1	35-165			
cis-1,3-Dichloropropene	20	2.00	µg/L	20.0		98.2	25-175			
trans-1,3-Dichloropropene	20	2.00	µg/L	20.0		102	50-150			
Ethylbenzene	19	2.00	µg/L	20.0		96.0	60-140			
Methyl tert-Butyl Ether (MTBE)	18	2.00	µg/L	20.0		90.6	70-130			
Methylene Chloride	13	5.00	µg/L	20.0		66.9	60-140			
1,1,2,2-Tetrachloroethane	20	2.00	µg/L	20.0		100	60-140			
Tetrachloroethylene	23	2.00	µg/L	20.0		114	70-130			
Toluene	19	1.00	µg/L	20.0		94.0	70-130			
1,1,1-Trichloroethane	20	2.00	µg/L	20.0		98.0	70-130			
1,1,2-Trichloroethane	20	2.00	µg/L	20.0		100	70-130			
Trichloroethylene	20	2.00	µg/L	20.0		98.5	65-135			
Trichlorofluoromethane (Freon 11)	20	2.00	µg/L	20.0		101	50-150			
Vinyl Chloride	17	2.00	µg/L	20.0		84.6	5-195			
m+p Xylene	39	2.00	µg/L	40.0		98.0	70-130			
o-Xylene	20	2.00	µg/L	20.0		97.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	23.1		µg/L	25.0		92.6	70-130			
Surrogate: Toluene-d8	24.7		µg/L	25.0		98.6	70-130			
Surrogate: 4-Bromofluorobenzene	25.1		µg/L	25.0		100	70-130			

Matrix Spike (B226957-MS1)

Source: 19C1402-01

Prepared & Analyzed: 03/29/19

Benzene	9.3	1.00	µg/L	10.0	ND	92.9	37-151			
Bromodichloromethane	11	2.00	µg/L	10.0	ND	113	35-155			
Bromoform	11	2.00	µg/L	10.0	ND	113	45-169			
Bromomethane	7.9	2.00	µg/L	10.0	ND	78.8	20-242			
Carbon Tetrachloride	11	2.00	µg/L	10.0	ND	112	70-140			
Chlorobenzene	11	2.00	µg/L	10.0	ND	111	37-160			
Chlorodibromomethane	11	2.00	µg/L	10.0	ND	114	53-149			
Chloroethane	10	2.00	µg/L	10.0	ND	99.5	14-230			
Chloroform	9.7	2.00	µg/L	10.0	ND	97.2	51-138			
Chloromethane	7.5	2.00	µg/L	10.0	ND	75.0	20-273			
1,2-Dichlorobenzene	11	2.00	µg/L	10.0	ND	106	18-190			
1,3-Dichlorobenzene	11	2.00	µg/L	10.0	ND	108	59-156			
1,4-Dichlorobenzene	10	2.00	µg/L	10.0	ND	104	18-190			
1,2-Dichloroethane	11	2.00	µg/L	10.0	ND	109	49-155			
1,1-Dichloroethane	10	2.00	µg/L	10.0	1.0	93.9	59-155			
1,1-Dichloroethylene	12	2.00	µg/L	10.0	0.70	117	20-234			
trans-1,2-Dichloroethylene	9.6	2.00	µg/L	10.0	ND	96.4	54-156			
1,2-Dichloropropane	9.6	2.00	µg/L	10.0	ND	96.0	20-210			
cis-1,3-Dichloropropene	10	2.00	µg/L	10.0	ND	101	20-227			
trans-1,3-Dichloropropene	10	2.00	µg/L	10.0	ND	102	17-183			
Ethylbenzene	11	2.00	µg/L	10.0	ND	106	37-162			
Methyl tert-Butyl Ether (MTBE)	9.4	2.00	µg/L	10.0	ND	94.1	70-130			
Methylene Chloride	7.3	5.00	µg/L	10.0	ND	73.0	20-221			
1,1,2,2-Tetrachloroethane	11	2.00	µg/L	10.0	ND	110	46-157			
Tetrachloroethylene	13	2.00	µg/L	10.0	ND	132	64-148			
Toluene	11	1.00	µg/L	10.0	ND	106	47-150			
1,1,1-Trichloroethane	44	2.00	µg/L	10.0	32	119	52-162			
1,1,2-Trichloroethane	11	2.00	µg/L	10.0	ND	108	52-150			

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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 B226957 - SW-846 5030B										
Matrix Spike (B226957-MS1)	Source: 19C1402-01			Prepared & Analyzed: 03/29/19						
Trichloroethylene	11	2.00	µg/L	10.0	ND	111	70-157			
Trichlorofluoromethane (Freon 11)	11	2.00	µg/L	10.0	ND	115	17-181			
Vinyl Chloride	9.5	2.00	µg/L	10.0	ND	95.1	20-251			
m+p Xylene	22	2.00	µg/L	20.0	ND	109	70-130			
o-Xylene	11	2.00	µg/L	10.0	ND	109	70-130			
Surrogate: 1,2-Dichloroethane-d4	23.6		µg/L	25.0		94.5	70-130			
Surrogate: Toluene-d8	25.3		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	26.0		µg/L	25.0		104	70-130			
Matrix Spike Dup (B226957-MSD1)	Source: 19C1402-01			Prepared & Analyzed: 03/29/19						
Benzene	8.9	1.00	µg/L	10.0	ND	88.6	37-151	4.74	61	
Bromodichloromethane	11	2.00	µg/L	10.0	ND	106	35-155	6.60	56	
Bromoform	10	2.00	µg/L	10.0	ND	103	45-169	9.73	42	
Bromomethane	7.9	2.00	µg/L	10.0	ND	79.4	20-242	0.759	61	
Carbon Tetrachloride	11	2.00	µg/L	10.0	ND	109	70-140	2.72	41	
Chlorobenzene	10	2.00	µg/L	10.0	ND	104	37-160	6.39	53	
Chlorodibromomethane	11	2.00	µg/L	10.0	ND	107	53-149	5.70	50	
Chloroethane	9.9	2.00	µg/L	10.0	ND	99.1	14-230	0.403	78	
Chloroform	9.4	2.00	µg/L	10.0	ND	94.0	51-138	3.35	54	
Chloromethane	7.0	2.00	µg/L	10.0	ND	70.5	20-273	6.19	60	
1,2-Dichlorobenzene	10	2.00	µg/L	10.0	ND	103	18-190	3.07	57	
1,3-Dichlorobenzene	10	2.00	µg/L	10.0	ND	103	59-156	5.11	43	
1,4-Dichlorobenzene	9.9	2.00	µg/L	10.0	ND	99.2	18-190	4.53	57	
1,2-Dichloroethane	10	2.00	µg/L	10.0	ND	99.8	49-155	8.72	49	
1,1-Dichloroethane	10	2.00	µg/L	10.0	1.0	89.5	59-155	4.32	40	
1,1-Dichloroethylene	12	2.00	µg/L	10.0	0.70	113	20-234	2.79	32	
trans-1,2-Dichloroethylene	9.6	2.00	µg/L	10.0	ND	95.7	54-156	0.729	45	
1,2-Dichloropropane	8.8	2.00	µg/L	10.0	ND	87.6	20-210	9.15	55	
cis-1,3-Dichloropropene	9.5	2.00	µg/L	10.0	ND	94.6	20-227	6.45	58	
trans-1,3-Dichloropropene	9.7	2.00	µg/L	10.0	ND	96.8	17-183	5.72	86	
Ethylbenzene	10	2.00	µg/L	10.0	ND	101	37-162	4.72	63	
Methyl tert-Butyl Ether (MTBE)	8.9	2.00	µg/L	10.0	ND	89.3	70-130	5.23	20	
Methylene Chloride	6.9	5.00	µg/L	10.0	ND	68.9	20-221	5.78	28	
1,1,2,2-Tetrachloroethane	9.9	2.00	µg/L	10.0	ND	98.6	46-157	10.5	61	
Tetrachloroethylene	12	2.00	µg/L	10.0	ND	122	64-148	8.09	39	
Toluene	10	1.00	µg/L	10.0	ND	100	47-150	5.33	41	
1,1,1-Trichloroethane	44	2.00	µg/L	10.0	32	112	52-162	1.57	36	
1,1,2-Trichloroethane	10	2.00	µg/L	10.0	ND	100	52-150	7.39	45	
Trichloroethylene	10	2.00	µg/L	10.0	ND	104	70-157	6.31	48	
Trichlorofluoromethane (Freon 11)	11	2.00	µg/L	10.0	ND	110	17-181	3.73	84	
Vinyl Chloride	9.4	2.00	µg/L	10.0	ND	93.6	20-251	1.59	66	
m+p Xylene	21	2.00	µg/L	20.0	ND	103	70-130	5.89	20	
o-Xylene	10	2.00	µg/L	10.0	ND	102	70-130	7.00	20	
Surrogate: 1,2-Dichloroethane-d4	23.5		µg/L	25.0		93.8	70-130			
Surrogate: Toluene-d8	24.6		µg/L	25.0		98.4	70-130			
Surrogate: 4-Bromofluorobenzene	25.7		µg/L	25.0		103	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.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
624.1 in Water	
Benzene	CT,NY,MA,NH,RI,NC,ME,VA
Bromodichloromethane	CT,NY,MA,NH,RI,NC,ME,VA
Bromoform	CT,NY,MA,NH,RI,NC,ME,VA
Bromomethane	CT,NY,MA,NH,RI,NC,ME,VA
Carbon Tetrachloride	CT,NY,MA,NH,RI,NC,ME,VA
Chlorobenzene	CT,NY,MA,NH,RI,NC,ME,VA
Chlorodibromomethane	CT,NY,MA,NH,RI,NC,ME,VA
Chloroethane	CT,NY,MA,NH,RI,NC,ME,VA
Chloroform	CT,NY,MA,NH,RI,NC,ME,VA
Chloromethane	CT,NY,MA,NH,RI,NC,ME,VA
1,2-Dichlorobenzene	CT,NY,MA,NH,RI,NC,ME,VA
1,3-Dichlorobenzene	CT,NY,MA,NH,RI,NC,ME,VA
1,4-Dichlorobenzene	CT,NY,MA,NH,RI,NC,ME,VA
1,2-Dichloroethane	CT,NY,MA,NH,RI,NC,ME,VA
1,1-Dichloroethane	CT,NY,MA,NH,RI,NC,ME,VA
1,1-Dichloroethylene	CT,NY,MA,NH,RI,NC,ME,VA
trans-1,2-Dichloroethylene	CT,NY,MA,NH,RI,NC,ME,VA
1,2-Dichloropropane	CT,NY,MA,NH,RI,NC,ME,VA
cis-1,3-Dichloropropene	CT,NY,MA,NH,RI,NC,ME,VA
trans-1,3-Dichloropropene	CT,NY,MA,NH,RI,NC,ME,VA
Ethylbenzene	CT,NY,MA,NH,RI,NC,ME,VA
Methyl tert-Butyl Ether (MTBE)	NY,MA,NH,NC
Methylene Chloride	CT,NY,MA,NH,RI,NC,ME,VA
1,1,2,2-Tetrachloroethane	CT,NY,MA,NH,RI,NC,ME,VA
Tetrachloroethylene	CT,NY,MA,NH,RI,NC,ME,VA
Toluene	CT,NY,MA,NH,RI,NC,ME,VA
1,1,1-Trichloroethane	CT,NY,MA,NH,RI,NC,ME,VA
1,1,2-Trichloroethane	CT,NY,MA,NH,RI,NC,ME,VA
Trichloroethylene	CT,NY,MA,NH,RI,NC,ME,VA
Trichlorofluoromethane (Freon 11)	CT,NY,MA,NH,RI,NC,ME,VA
Vinyl Chloride	CT,NY,MA,NH,RI,NC,ME,VA
m+p Xylene	CT,NY,MA,NH,RI,NC
o-Xylene	CT,NY,MA,NH,RI,NC

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The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2020
RI	Rhode Island Department of Health	LAO00112	12/30/2019
NC	North Carolina Div. of Water Quality	652	12/31/2019
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2019
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

39 Spruce Street
East Longmeadow, MA 01028

CHAIN OF CUSTODY RECORD (New York)

19(1402

Phone: 413-525-2332

Fax: 413-525-6405

Email: info@contestlabs.com



AIB

ARCADES

Address: 855 Route 146 Suite 210

Phone: 646-248-4208

Project Name: GLADING CORPAGE

Project Location: TOWN OF OTSELIC, NY

Project Number: 00366406.0000

Project Manager: ANDY VITOLINS

Con-Test Quote Name/Number:

Invoice Recipient: JEREMY WICKOFF

Sampled By: J. MULLINS / J. DUQUETTE

7-Day ☐ 10-Day ☐

Due Date: STANDARD

1-Day ☐ 3-Day ☐2-Day ☐ 4-Day ☐Format: PDF ☒ EXCEL ☒Other: ☐CLP Like Data Pkg Required: ☐

Email To: JASMINE.MULLINS@

Fax To #: ARCADIS.COM

of Containers

2 Preservation Code

3 Container Code

☐ Field Filtered
☐ Lab to Filter

☐ Field Filtered
☐ Lab to Filter

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)

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

ANALYSIS REQUESTED

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

☐ Enhanced Data Package
☒ NYSD EDD
☐ EDD (Standard)
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD

NELAC and AIHA-LAP, LLC Accredited

Other
☐ Chromatogram
☐ AIHA-LAP, LLC

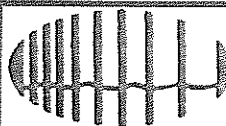
Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
1	RW-1-20190326	3-26-19	1035	☒	☒	GW	
2	RW-1-MS-20190326	3-26-19	1035	☒	☒	GW	
3	RW-1-MSD-20190326	3-26-19	1035	☒	☒	GW	
4	RW-2-20190326	3-26-19	1045	☒	☒	GW	
5	EFF-40HZ-20190326	3-26-19	1050	☒	☒	GW	
6	TRIP BLANK-20190326	3-26-19	—	☒	☒	GW	

Comments:

1 Cooler

Requisitioned by: (signature)	Date/Time: 3/26/19 1337
Received by: (signature)	Date/Time: 3-26-19 1337
Relinquished by: (signature)	Date/Time: 3-27-19 1225PM
Received by: (signature)	Date/Time: 3-27-19 1225PM
Relinquished by: (signature)	Date/Time: 3-27-19 1445
Received by: (signature)	Date/Time: 3-27-19 1445

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 Arcadis

Received By MP Date 3/27/19 Time 14:45

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 # 5 Actual Temp - 2.4
By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A

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 Client T Analysis T Sampler Name T

pertinent Information? 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? Exp T

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? N/A Acid _____ Base _____

Vials	#	Containers:	#	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-	<u>17</u>	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:

April 4, 2019

Jeremy Wyckoff
Arcadis US, Inc. - Clifton Park-NY
855 Route 146, Suite 210
Clifton Park, NY 12065

Project Location: Town of Otselic, NY
Client Job Number:
Project Number: 00266406.0000
Laboratory Work Order Number: 19C1401

Enclosed are results of analyses for samples received by the laboratory on March 26, 2019. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Aaron L. Benoit", with a horizontal line extending to the right.

Aaron L. Benoit
Project Manager

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Arcadis US, Inc. - Clifton Park-NY
855 Route 146, Suite 210
Clifton Park, NY 12065
ATTN: Jeremy Wyckoff

REPORT DATE: 4/4/2019

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 00266406.0000

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 19C1401

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

PROJECT LOCATION: Town of Otselic, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
TW-3S_20190326	19C1401-01	Ground Water		624.1	
TW-3I_20190326	19C1401-02	Ground Water		624.1	
TW-3D_20190326	19C1401-03	Ground Water		624.1	
TW-4I_20190326	19C1401-04	Ground Water		624.1	
TW-5S_20190325	19C1401-05	Ground Water		624.1	
TW-5I_20190325	19C1401-06	Ground Water		624.1	
TW-5D_20190325	19C1401-07	Ground Water		624.1	
TW-6S_20190236	19C1401-08	Ground Water		624.1	
TW-6I_20190326	19C1401-09	Ground Water		624.1	
TW-6D_20190326	19C1401-10	Ground Water		624.1	
TW-7S_20190325	19C1401-11	Ground Water		624.1	
TW-7D_20190325	19C1401-12	Ground Water		624.1	
TW-9I_20190326	19C1401-13	Ground Water		624.1	
TW-9D_20190326	19C1401-14	Ground Water		624.1	
TW-12I_20190325	19C1401-15	Ground Water		624.1	
TW-12D_20190325	19C1401-16	Ground Water		624.1	
TW-14S_20190326	19C1401-17	Ground Water		624.1	
TW-14I_20190326	19C1401-18	Ground Water		624.1	
TW-14D_20190326	19C1401-19	Ground Water		624.1	
TW-15_20190326	19C1401-20	Ground Water		624.1	
TW-X-DUP_20190326	19C1401-21	Ground Water		624.1	
TRIP BLANK_20190326	19C1401-22	Trip Blank Water		624.1	
TW-7I_20190325	19C1401-23	Ground Water		624.1	

CASE NARRATIVE SUMMARY

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

624.1**Qualifications:****L-03**

Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:**Methylene Chloride**

19C1401-01[TW-3S_20190326], 19C1401-02[TW-3I_20190326], 19C1401-03[TW-3D_20190326], 19C1401-04[TW-4I_20190326], 19C1401-05[TW-5S_20190325], 19C1401-06[TW-5I_20190325], 19C1401-07[TW-5D_20190325], 19C1401-08[TW-6S_20190326], 19C1401-09[TW-6I_20190326], 19C1401-10[TW-6D_20190326], B226854-BLK1, B226854-BS1, S034139-CCV1

The results of analyses reported only relate to samples submitted to the Con-Test 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.



Tod E. Kopyscinski
Laboratory Director

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

Project Location: Town of Otselic, NY

Sample Description:

Work Order: 19C1401

Date Received: 3/26/2019

Field Sample #: TW-3S_20190326

Sampled: 3/26/2019 09:35

Sample ID: 19C1401-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	<1.00	1.00	0.180	µg/L	1		624.1	3/28/19	3/29/19 9:08	LBD
Bromodichloromethane	<2.00	2.00	0.160	µg/L	1		624.1	3/28/19	3/29/19 9:08	LBD
Bromoform	<2.00	2.00	0.460	µg/L	1		624.1	3/28/19	3/29/19 9:08	LBD
Bromomethane	<2.00	2.00	0.780	µg/L	1		624.1	3/28/19	3/29/19 9:08	LBD
Carbon Tetrachloride	<2.00	2.00	0.110	µg/L	1		624.1	3/28/19	3/29/19 9:08	LBD
Chlorobenzene	<2.00	2.00	0.150	µg/L	1		624.1	3/28/19	3/29/19 9:08	LBD
Chlorodibromomethane	<2.00	2.00	0.210	µg/L	1		624.1	3/28/19	3/29/19 9:08	LBD
Chloroethane	<2.00	2.00	0.350	µg/L	1		624.1	3/28/19	3/29/19 9:08	LBD
Chloroform	<2.00	2.00	0.170	µg/L	1		624.1	3/28/19	3/29/19 9:08	LBD
Chloromethane	<2.00	2.00	0.450	µg/L	1		624.1	3/28/19	3/29/19 9:08	LBD
1,2-Dichlorobenzene	<2.00	2.00	0.160	µg/L	1		624.1	3/28/19	3/29/19 9:08	LBD
1,3-Dichlorobenzene	<2.00	2.00	0.120	µg/L	1		624.1	3/28/19	3/29/19 9:08	LBD
1,4-Dichlorobenzene	<2.00	2.00	0.130	µg/L	1		624.1	3/28/19	3/29/19 9:08	LBD
1,2-Dichloroethane	<2.00	2.00	0.410	µg/L	1		624.1	3/28/19	3/29/19 9:08	LBD
1,1-Dichloroethane	<2.00	2.00	0.160	µg/L	1		624.1	3/28/19	3/29/19 9:08	LBD
1,1-Dichloroethylene	<2.00	2.00	0.320	µg/L	1		624.1	3/28/19	3/29/19 9:08	LBD
trans-1,2-Dichloroethylene	<2.00	2.00	0.310	µg/L	1		624.1	3/28/19	3/29/19 9:08	LBD
1,2-Dichloropropane	<2.00	2.00	0.200	µg/L	1		624.1	3/28/19	3/29/19 9:08	LBD
cis-1,3-Dichloropropene	<2.00	2.00	0.130	µg/L	1		624.1	3/28/19	3/29/19 9:08	LBD
trans-1,3-Dichloropropene	<2.00	2.00	0.230	µg/L	1		624.1	3/28/19	3/29/19 9:08	LBD
Ethylbenzene	<2.00	2.00	0.130	µg/L	1		624.1	3/28/19	3/29/19 9:08	LBD
Methyl tert-Butyl Ether (MTBE)	<2.00	2.00	0.250	µg/L	1		624.1	3/28/19	3/29/19 9:08	LBD
Methylene Chloride	<5.00	5.00	0.340	µg/L	1	L-03	624.1	3/28/19	3/29/19 9:08	LBD
1,1,2,2-Tetrachloroethane	<2.00	2.00	0.220	µg/L	1		624.1	3/28/19	3/29/19 9:08	LBD
Tetrachloroethylene	<2.00	2.00	0.180	µg/L	1		624.1	3/28/19	3/29/19 9:08	LBD
Toluene	<1.00	1.00	0.140	µg/L	1		624.1	3/28/19	3/29/19 9:08	LBD
1,1,1-Trichloroethane	0.690	2.00	0.200	µg/L	1	J	624.1	3/28/19	3/29/19 9:08	LBD
1,1,2-Trichloroethane	<2.00	2.00	0.160	µg/L	1		624.1	3/28/19	3/29/19 9:08	LBD
Trichloroethylene	<2.00	2.00	0.240	µg/L	1		624.1	3/28/19	3/29/19 9:08	LBD
Trichlorofluoromethane (Freon 11)	<2.00	2.00	0.330	µg/L	1		624.1	3/28/19	3/29/19 9:08	LBD
Vinyl Chloride	<2.00	2.00	0.450	µg/L	1		624.1	3/28/19	3/29/19 9:08	LBD
m+p Xylene	<2.00	2.00	0.300	µg/L	1		624.1	3/28/19	3/29/19 9:08	LBD
o-Xylene	<2.00	2.00	0.170	µg/L	1		624.1	3/28/19	3/29/19 9:08	LBD
Surrogates	% Recovery	Recovery Limits		Flag/Qual						
1,2-Dichloroethane-d4	92.9	70-130								
Toluene-d8	99.3	70-130								
4-Bromofluorobenzene	102	70-130								

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

Project Location: Town of Otselic, NY

Sample Description:

Work Order: 19C1401

Date Received: 3/26/2019

Field Sample #: TW-31_20190326

Sampled: 3/26/2019 09:38

Sample ID: 19C1401-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	<1.00	1.00	0.180	µg/L	1		624.1	3/28/19	3/29/19 9:38	LBD
Bromodichloromethane	<2.00	2.00	0.160	µg/L	1		624.1	3/28/19	3/29/19 9:38	LBD
Bromoform	<2.00	2.00	0.460	µg/L	1		624.1	3/28/19	3/29/19 9:38	LBD
Bromomethane	<2.00	2.00	0.780	µg/L	1		624.1	3/28/19	3/29/19 9:38	LBD
Carbon Tetrachloride	<2.00	2.00	0.110	µg/L	1		624.1	3/28/19	3/29/19 9:38	LBD
Chlorobenzene	<2.00	2.00	0.150	µg/L	1		624.1	3/28/19	3/29/19 9:38	LBD
Chlorodibromomethane	<2.00	2.00	0.210	µg/L	1		624.1	3/28/19	3/29/19 9:38	LBD
Chloroethane	<2.00	2.00	0.350	µg/L	1		624.1	3/28/19	3/29/19 9:38	LBD
Chloroform	<2.00	2.00	0.170	µg/L	1		624.1	3/28/19	3/29/19 9:38	LBD
Chloromethane	<2.00	2.00	0.450	µg/L	1		624.1	3/28/19	3/29/19 9:38	LBD
1,2-Dichlorobenzene	<2.00	2.00	0.160	µg/L	1		624.1	3/28/19	3/29/19 9:38	LBD
1,3-Dichlorobenzene	<2.00	2.00	0.120	µg/L	1		624.1	3/28/19	3/29/19 9:38	LBD
1,4-Dichlorobenzene	<2.00	2.00	0.130	µg/L	1		624.1	3/28/19	3/29/19 9:38	LBD
1,2-Dichloroethane	<2.00	2.00	0.410	µg/L	1		624.1	3/28/19	3/29/19 9:38	LBD
1,1-Dichloroethane	<2.00	2.00	0.160	µg/L	1		624.1	3/28/19	3/29/19 9:38	LBD
1,1-Dichloroethylene	<2.00	2.00	0.320	µg/L	1		624.1	3/28/19	3/29/19 9:38	LBD
trans-1,2-Dichloroethylene	<2.00	2.00	0.310	µg/L	1		624.1	3/28/19	3/29/19 9:38	LBD
1,2-Dichloropropane	<2.00	2.00	0.200	µg/L	1		624.1	3/28/19	3/29/19 9:38	LBD
cis-1,3-Dichloropropene	<2.00	2.00	0.130	µg/L	1		624.1	3/28/19	3/29/19 9:38	LBD
trans-1,3-Dichloropropene	<2.00	2.00	0.230	µg/L	1		624.1	3/28/19	3/29/19 9:38	LBD
Ethylbenzene	<2.00	2.00	0.130	µg/L	1		624.1	3/28/19	3/29/19 9:38	LBD
Methyl tert-Butyl Ether (MTBE)	<2.00	2.00	0.250	µg/L	1		624.1	3/28/19	3/29/19 9:38	LBD
Methylene Chloride	<5.00	5.00	0.340	µg/L	1	L-03	624.1	3/28/19	3/29/19 9:38	LBD
1,1,2,2-Tetrachloroethane	<2.00	2.00	0.220	µg/L	1		624.1	3/28/19	3/29/19 9:38	LBD
Tetrachloroethylene	<2.00	2.00	0.180	µg/L	1		624.1	3/28/19	3/29/19 9:38	LBD
Toluene	<1.00	1.00	0.140	µg/L	1		624.1	3/28/19	3/29/19 9:38	LBD
1,1,1-Trichloroethane	1.79	2.00	0.200	µg/L	1	J	624.1	3/28/19	3/29/19 9:38	LBD
1,1,2-Trichloroethane	<2.00	2.00	0.160	µg/L	1		624.1	3/28/19	3/29/19 9:38	LBD
Trichloroethylene	<2.00	2.00	0.240	µg/L	1		624.1	3/28/19	3/29/19 9:38	LBD
Trichlorofluoromethane (Freon 11)	<2.00	2.00	0.330	µg/L	1		624.1	3/28/19	3/29/19 9:38	LBD
Vinyl Chloride	<2.00	2.00	0.450	µg/L	1		624.1	3/28/19	3/29/19 9:38	LBD
m+p Xylene	<2.00	2.00	0.300	µg/L	1		624.1	3/28/19	3/29/19 9:38	LBD
o-Xylene	<2.00	2.00	0.170	µg/L	1		624.1	3/28/19	3/29/19 9:38	LBD
Surrogates	% Recovery	Recovery Limits		Flag/Qual						
1,2-Dichloroethane-d4	96.0	70-130								
Toluene-d8	98.4	70-130								
4-Bromofluorobenzene	101	70-130								

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Project Location: Town of Otselic, NY

Sample Description:

Work Order: 19C1401

Date Received: 3/26/2019

Field Sample #: TW-3D_20190326

Sampled: 3/26/2019 09:41

Sample ID: 19C1401-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	<1.00	1.00	0.180	µg/L	1		624.1	3/28/19	3/29/19 5:03	LBD
Bromodichloromethane	<2.00	2.00	0.160	µg/L	1		624.1	3/28/19	3/29/19 5:03	LBD
Bromoform	<2.00	2.00	0.460	µg/L	1		624.1	3/28/19	3/29/19 5:03	LBD
Bromomethane	<2.00	2.00	0.780	µg/L	1		624.1	3/28/19	3/29/19 5:03	LBD
Carbon Tetrachloride	<2.00	2.00	0.110	µg/L	1		624.1	3/28/19	3/29/19 5:03	LBD
Chlorobenzene	<2.00	2.00	0.150	µg/L	1		624.1	3/28/19	3/29/19 5:03	LBD
Chlorodibromomethane	<2.00	2.00	0.210	µg/L	1		624.1	3/28/19	3/29/19 5:03	LBD
Chloroethane	<2.00	2.00	0.350	µg/L	1		624.1	3/28/19	3/29/19 5:03	LBD
Chloroform	<2.00	2.00	0.170	µg/L	1		624.1	3/28/19	3/29/19 5:03	LBD
Chloromethane	<2.00	2.00	0.450	µg/L	1		624.1	3/28/19	3/29/19 5:03	LBD
1,2-Dichlorobenzene	<2.00	2.00	0.160	µg/L	1		624.1	3/28/19	3/29/19 5:03	LBD
1,3-Dichlorobenzene	<2.00	2.00	0.120	µg/L	1		624.1	3/28/19	3/29/19 5:03	LBD
1,4-Dichlorobenzene	<2.00	2.00	0.130	µg/L	1		624.1	3/28/19	3/29/19 5:03	LBD
1,2-Dichloroethane	<2.00	2.00	0.410	µg/L	1		624.1	3/28/19	3/29/19 5:03	LBD
1,1-Dichloroethane	<2.00	2.00	0.160	µg/L	1		624.1	3/28/19	3/29/19 5:03	LBD
1,1-Dichloroethylene	<2.00	2.00	0.320	µg/L	1		624.1	3/28/19	3/29/19 5:03	LBD
trans-1,2-Dichloroethylene	<2.00	2.00	0.310	µg/L	1		624.1	3/28/19	3/29/19 5:03	LBD
1,2-Dichloropropane	<2.00	2.00	0.200	µg/L	1		624.1	3/28/19	3/29/19 5:03	LBD
cis-1,3-Dichloropropene	<2.00	2.00	0.130	µg/L	1		624.1	3/28/19	3/29/19 5:03	LBD
trans-1,3-Dichloropropene	<2.00	2.00	0.230	µg/L	1		624.1	3/28/19	3/29/19 5:03	LBD
Ethylbenzene	<2.00	2.00	0.130	µg/L	1		624.1	3/28/19	3/29/19 5:03	LBD
Methyl tert-Butyl Ether (MTBE)	<2.00	2.00	0.250	µg/L	1		624.1	3/28/19	3/29/19 5:03	LBD
Methylene Chloride	<5.00	5.00	0.340	µg/L	1	L-03	624.1	3/28/19	3/29/19 5:03	LBD
1,1,2,2-Tetrachloroethane	<2.00	2.00	0.220	µg/L	1		624.1	3/28/19	3/29/19 5:03	LBD
Tetrachloroethylene	<2.00	2.00	0.180	µg/L	1		624.1	3/28/19	3/29/19 5:03	LBD
Toluene	<1.00	1.00	0.140	µg/L	1		624.1	3/28/19	3/29/19 5:03	LBD
1,1,1-Trichloroethane	0.570	2.00	0.200	µg/L	1	J	624.1	3/28/19	3/29/19 5:03	LBD
1,1,2-Trichloroethane	<2.00	2.00	0.160	µg/L	1		624.1	3/28/19	3/29/19 5:03	LBD
Trichloroethylene	<2.00	2.00	0.240	µg/L	1		624.1	3/28/19	3/29/19 5:03	LBD
Trichlorofluoromethane (Freon 11)	<2.00	2.00	0.330	µg/L	1		624.1	3/28/19	3/29/19 5:03	LBD
Vinyl Chloride	<2.00	2.00	0.450	µg/L	1		624.1	3/28/19	3/29/19 5:03	LBD
m+p Xylene	<2.00	2.00	0.300	µg/L	1		624.1	3/28/19	3/29/19 5:03	LBD
o-Xylene	<2.00	2.00	0.170	µg/L	1		624.1	3/28/19	3/29/19 5:03	LBD
Surrogates	% Recovery	Recovery Limits		Flag/Qual						
1,2-Dichloroethane-d4	93.6	70-130								
Toluene-d8	97.6	70-130								
4-Bromofluorobenzene	100	70-130								

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

Project Location: Town of Otselic, NY

Sample Description:

Work Order: 19C1401

Date Received: 3/26/2019

Field Sample #: TW-41_20190326

Sampled: 3/26/2019 10:10

Sample ID: 19C1401-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	<1.00	1.00	0.180	µg/L	1		624.1	3/28/19	3/29/19 5:34	LBD
Bromodichloromethane	<2.00	2.00	0.160	µg/L	1		624.1	3/28/19	3/29/19 5:34	LBD
Bromoform	<2.00	2.00	0.460	µg/L	1		624.1	3/28/19	3/29/19 5:34	LBD
Bromomethane	<2.00	2.00	0.780	µg/L	1		624.1	3/28/19	3/29/19 5:34	LBD
Carbon Tetrachloride	<2.00	2.00	0.110	µg/L	1		624.1	3/28/19	3/29/19 5:34	LBD
Chlorobenzene	<2.00	2.00	0.150	µg/L	1		624.1	3/28/19	3/29/19 5:34	LBD
Chlorodibromomethane	<2.00	2.00	0.210	µg/L	1		624.1	3/28/19	3/29/19 5:34	LBD
Chloroethane	<2.00	2.00	0.350	µg/L	1		624.1	3/28/19	3/29/19 5:34	LBD
Chloroform	<2.00	2.00	0.170	µg/L	1		624.1	3/28/19	3/29/19 5:34	LBD
Chloromethane	<2.00	2.00	0.450	µg/L	1		624.1	3/28/19	3/29/19 5:34	LBD
1,2-Dichlorobenzene	<2.00	2.00	0.160	µg/L	1		624.1	3/28/19	3/29/19 5:34	LBD
1,3-Dichlorobenzene	<2.00	2.00	0.120	µg/L	1		624.1	3/28/19	3/29/19 5:34	LBD
1,4-Dichlorobenzene	<2.00	2.00	0.130	µg/L	1		624.1	3/28/19	3/29/19 5:34	LBD
1,2-Dichloroethane	<2.00	2.00	0.410	µg/L	1		624.1	3/28/19	3/29/19 5:34	LBD
1,1-Dichloroethane	3.63	2.00	0.160	µg/L	1		624.1	3/28/19	3/29/19 5:34	LBD
1,1-Dichloroethylene	<2.00	2.00	0.320	µg/L	1		624.1	3/28/19	3/29/19 5:34	LBD
trans-1,2-Dichloroethylene	<2.00	2.00	0.310	µg/L	1		624.1	3/28/19	3/29/19 5:34	LBD
1,2-Dichloropropane	<2.00	2.00	0.200	µg/L	1		624.1	3/28/19	3/29/19 5:34	LBD
cis-1,3-Dichloropropene	<2.00	2.00	0.130	µg/L	1		624.1	3/28/19	3/29/19 5:34	LBD
trans-1,3-Dichloropropene	<2.00	2.00	0.230	µg/L	1		624.1	3/28/19	3/29/19 5:34	LBD
Ethylbenzene	<2.00	2.00	0.130	µg/L	1		624.1	3/28/19	3/29/19 5:34	LBD
Methyl tert-Butyl Ether (MTBE)	<2.00	2.00	0.250	µg/L	1		624.1	3/28/19	3/29/19 5:34	LBD
Methylene Chloride	<5.00	5.00	0.340	µg/L	1	L-03	624.1	3/28/19	3/29/19 5:34	LBD
1,1,2,2-Tetrachloroethane	<2.00	2.00	0.220	µg/L	1		624.1	3/28/19	3/29/19 5:34	LBD
Tetrachloroethylene	<2.00	2.00	0.180	µg/L	1		624.1	3/28/19	3/29/19 5:34	LBD
Toluene	<1.00	1.00	0.140	µg/L	1		624.1	3/28/19	3/29/19 5:34	LBD
1,1,1-Trichloroethane	16.7	2.00	0.200	µg/L	1		624.1	3/28/19	3/29/19 5:34	LBD
1,1,2-Trichloroethane	<2.00	2.00	0.160	µg/L	1		624.1	3/28/19	3/29/19 5:34	LBD
Trichloroethylene	<2.00	2.00	0.240	µg/L	1		624.1	3/28/19	3/29/19 5:34	LBD
Trichlorofluoromethane (Freon 11)	<2.00	2.00	0.330	µg/L	1		624.1	3/28/19	3/29/19 5:34	LBD
Vinyl Chloride	<2.00	2.00	0.450	µg/L	1		624.1	3/28/19	3/29/19 5:34	LBD
m+p Xylene	<2.00	2.00	0.300	µg/L	1		624.1	3/28/19	3/29/19 5:34	LBD
o-Xylene	<2.00	2.00	0.170	µg/L	1		624.1	3/28/19	3/29/19 5:34	LBD
Surrogates	% Recovery	Recovery Limits		Flag/Qual						
1,2-Dichloroethane-d4	96.2	70-130								
Toluene-d8	97.4	70-130								
4-Bromofluorobenzene	101	70-130								

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Project Location: Town of Otselic, NY

Sample Description:

Work Order: 19C1401

Date Received: 3/26/2019

Field Sample #: TW-5S_20190325

Sampled: 3/25/2019 16:40

Sample ID: 19C1401-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	<1.00	1.00	0.180	µg/L	1		624.1	3/28/19	3/29/19 6:04	LBD
Bromodichloromethane	<2.00	2.00	0.160	µg/L	1		624.1	3/28/19	3/29/19 6:04	LBD
Bromoform	<2.00	2.00	0.460	µg/L	1		624.1	3/28/19	3/29/19 6:04	LBD
Bromomethane	<2.00	2.00	0.780	µg/L	1		624.1	3/28/19	3/29/19 6:04	LBD
Carbon Tetrachloride	<2.00	2.00	0.110	µg/L	1		624.1	3/28/19	3/29/19 6:04	LBD
Chlorobenzene	<2.00	2.00	0.150	µg/L	1		624.1	3/28/19	3/29/19 6:04	LBD
Chlorodibromomethane	<2.00	2.00	0.210	µg/L	1		624.1	3/28/19	3/29/19 6:04	LBD
Chloroethane	<2.00	2.00	0.350	µg/L	1		624.1	3/28/19	3/29/19 6:04	LBD
Chloroform	<2.00	2.00	0.170	µg/L	1		624.1	3/28/19	3/29/19 6:04	LBD
Chloromethane	<2.00	2.00	0.450	µg/L	1		624.1	3/28/19	3/29/19 6:04	LBD
1,2-Dichlorobenzene	<2.00	2.00	0.160	µg/L	1		624.1	3/28/19	3/29/19 6:04	LBD
1,3-Dichlorobenzene	<2.00	2.00	0.120	µg/L	1		624.1	3/28/19	3/29/19 6:04	LBD
1,4-Dichlorobenzene	<2.00	2.00	0.130	µg/L	1		624.1	3/28/19	3/29/19 6:04	LBD
1,2-Dichloroethane	<2.00	2.00	0.410	µg/L	1		624.1	3/28/19	3/29/19 6:04	LBD
1,1-Dichloroethane	<2.00	2.00	0.160	µg/L	1		624.1	3/28/19	3/29/19 6:04	LBD
1,1-Dichloroethylene	<2.00	2.00	0.320	µg/L	1		624.1	3/28/19	3/29/19 6:04	LBD
trans-1,2-Dichloroethylene	<2.00	2.00	0.310	µg/L	1		624.1	3/28/19	3/29/19 6:04	LBD
1,2-Dichloropropane	<2.00	2.00	0.200	µg/L	1		624.1	3/28/19	3/29/19 6:04	LBD
cis-1,3-Dichloropropene	<2.00	2.00	0.130	µg/L	1		624.1	3/28/19	3/29/19 6:04	LBD
trans-1,3-Dichloropropene	<2.00	2.00	0.230	µg/L	1		624.1	3/28/19	3/29/19 6:04	LBD
Ethylbenzene	<2.00	2.00	0.130	µg/L	1		624.1	3/28/19	3/29/19 6:04	LBD
Methyl tert-Butyl Ether (MTBE)	<2.00	2.00	0.250	µg/L	1		624.1	3/28/19	3/29/19 6:04	LBD
Methylene Chloride	<5.00	5.00	0.340	µg/L	1	L-03	624.1	3/28/19	3/29/19 6:04	LBD
1,1,2,2-Tetrachloroethane	<2.00	2.00	0.220	µg/L	1		624.1	3/28/19	3/29/19 6:04	LBD
Tetrachloroethylene	<2.00	2.00	0.180	µg/L	1		624.1	3/28/19	3/29/19 6:04	LBD
Toluene	<1.00	1.00	0.140	µg/L	1		624.1	3/28/19	3/29/19 6:04	LBD
1,1,1-Trichloroethane	3.29	2.00	0.200	µg/L	1		624.1	3/28/19	3/29/19 6:04	LBD
1,1,2-Trichloroethane	<2.00	2.00	0.160	µg/L	1		624.1	3/28/19	3/29/19 6:04	LBD
Trichloroethylene	<2.00	2.00	0.240	µg/L	1		624.1	3/28/19	3/29/19 6:04	LBD
Trichlorofluoromethane (Freon 11)	<2.00	2.00	0.330	µg/L	1		624.1	3/28/19	3/29/19 6:04	LBD
Vinyl Chloride	<2.00	2.00	0.450	µg/L	1		624.1	3/28/19	3/29/19 6:04	LBD
m+p Xylene	<2.00	2.00	0.300	µg/L	1		624.1	3/28/19	3/29/19 6:04	LBD
o-Xylene	<2.00	2.00	0.170	µg/L	1		624.1	3/28/19	3/29/19 6:04	LBD
Surrogates	% Recovery	Recovery Limits		Flag/Qual						
1,2-Dichloroethane-d4	94.2	70-130								
Toluene-d8	99.7	70-130								
4-Bromofluorobenzene	101	70-130								

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

Project Location: Town of Otselic, NY

Sample Description:

Work Order: 19C1401

Date Received: 3/26/2019

Field Sample #: TW-51_20190325

Sampled: 3/25/2019 16:43

Sample ID: 19C1401-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	0.270	1.00	0.180	µg/L	1	J	624.1	3/28/19	3/29/19 6:35	LBD
Bromodichloromethane	<2.00	2.00	0.160	µg/L	1		624.1	3/28/19	3/29/19 6:35	LBD
Bromoform	<2.00	2.00	0.460	µg/L	1		624.1	3/28/19	3/29/19 6:35	LBD
Bromomethane	<2.00	2.00	0.780	µg/L	1		624.1	3/28/19	3/29/19 6:35	LBD
Carbon Tetrachloride	<2.00	2.00	0.110	µg/L	1		624.1	3/28/19	3/29/19 6:35	LBD
Chlorobenzene	<2.00	2.00	0.150	µg/L	1		624.1	3/28/19	3/29/19 6:35	LBD
Chlorodibromomethane	<2.00	2.00	0.210	µg/L	1		624.1	3/28/19	3/29/19 6:35	LBD
Chloroethane	<2.00	2.00	0.350	µg/L	1		624.1	3/28/19	3/29/19 6:35	LBD
Chloroform	<2.00	2.00	0.170	µg/L	1		624.1	3/28/19	3/29/19 6:35	LBD
Chloromethane	<2.00	2.00	0.450	µg/L	1		624.1	3/28/19	3/29/19 6:35	LBD
1,2-Dichlorobenzene	<2.00	2.00	0.160	µg/L	1		624.1	3/28/19	3/29/19 6:35	LBD
1,3-Dichlorobenzene	<2.00	2.00	0.120	µg/L	1		624.1	3/28/19	3/29/19 6:35	LBD
1,4-Dichlorobenzene	<2.00	2.00	0.130	µg/L	1		624.1	3/28/19	3/29/19 6:35	LBD
1,2-Dichloroethane	<2.00	2.00	0.410	µg/L	1		624.1	3/28/19	3/29/19 6:35	LBD
1,1-Dichloroethane	0.190	2.00	0.160	µg/L	1	J	624.1	3/28/19	3/29/19 6:35	LBD
1,1-Dichloroethylene	<2.00	2.00	0.320	µg/L	1		624.1	3/28/19	3/29/19 6:35	LBD
trans-1,2-Dichloroethylene	<2.00	2.00	0.310	µg/L	1		624.1	3/28/19	3/29/19 6:35	LBD
1,2-Dichloropropane	<2.00	2.00	0.200	µg/L	1		624.1	3/28/19	3/29/19 6:35	LBD
cis-1,3-Dichloropropene	<2.00	2.00	0.130	µg/L	1		624.1	3/28/19	3/29/19 6:35	LBD
trans-1,3-Dichloropropene	<2.00	2.00	0.230	µg/L	1		624.1	3/28/19	3/29/19 6:35	LBD
Ethylbenzene	<2.00	2.00	0.130	µg/L	1		624.1	3/28/19	3/29/19 6:35	LBD
Methyl tert-Butyl Ether (MTBE)	<2.00	2.00	0.250	µg/L	1		624.1	3/28/19	3/29/19 6:35	LBD
Methylene Chloride	<5.00	5.00	0.340	µg/L	1	L-03	624.1	3/28/19	3/29/19 6:35	LBD
1,1,2,2-Tetrachloroethane	<2.00	2.00	0.220	µg/L	1		624.1	3/28/19	3/29/19 6:35	LBD
Tetrachloroethylene	<2.00	2.00	0.180	µg/L	1		624.1	3/28/19	3/29/19 6:35	LBD
Toluene	<1.00	1.00	0.140	µg/L	1		624.1	3/28/19	3/29/19 6:35	LBD
1,1,1-Trichloroethane	1.39	2.00	0.200	µg/L	1	J	624.1	3/28/19	3/29/19 6:35	LBD
1,1,2-Trichloroethane	<2.00	2.00	0.160	µg/L	1		624.1	3/28/19	3/29/19 6:35	LBD
Trichloroethylene	<2.00	2.00	0.240	µg/L	1		624.1	3/28/19	3/29/19 6:35	LBD
Trichlorofluoromethane (Freon 11)	<2.00	2.00	0.330	µg/L	1		624.1	3/28/19	3/29/19 6:35	LBD
Vinyl Chloride	<2.00	2.00	0.450	µg/L	1		624.1	3/28/19	3/29/19 6:35	LBD
m+p Xylene	<2.00	2.00	0.300	µg/L	1		624.1	3/28/19	3/29/19 6:35	LBD
o-Xylene	<2.00	2.00	0.170	µg/L	1		624.1	3/28/19	3/29/19 6:35	LBD
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		94.8	70-130						3/29/19 6:35	
Toluene-d8		99.9	70-130						3/29/19 6:35	
4-Bromofluorobenzene		100	70-130						3/29/19 6:35	

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

Project Location: Town of Otselic, NY

Sample Description:

Work Order: 19C1401

Date Received: 3/26/2019

Field Sample #: TW-5D_20190325

Sampled: 3/25/2019 16:46

Sample ID: 19C1401-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	<1.00	1.00	0.180	µg/L	1		624.1	3/28/19	3/29/19 7:05	LBD
Bromodichloromethane	<2.00	2.00	0.160	µg/L	1		624.1	3/28/19	3/29/19 7:05	LBD
Bromoform	<2.00	2.00	0.460	µg/L	1		624.1	3/28/19	3/29/19 7:05	LBD
Bromomethane	<2.00	2.00	0.780	µg/L	1		624.1	3/28/19	3/29/19 7:05	LBD
Carbon Tetrachloride	<2.00	2.00	0.110	µg/L	1		624.1	3/28/19	3/29/19 7:05	LBD
Chlorobenzene	<2.00	2.00	0.150	µg/L	1		624.1	3/28/19	3/29/19 7:05	LBD
Chlorodibromomethane	<2.00	2.00	0.210	µg/L	1		624.1	3/28/19	3/29/19 7:05	LBD
Chloroethane	<2.00	2.00	0.350	µg/L	1		624.1	3/28/19	3/29/19 7:05	LBD
Chloroform	<2.00	2.00	0.170	µg/L	1		624.1	3/28/19	3/29/19 7:05	LBD
Chloromethane	<2.00	2.00	0.450	µg/L	1		624.1	3/28/19	3/29/19 7:05	LBD
1,2-Dichlorobenzene	<2.00	2.00	0.160	µg/L	1		624.1	3/28/19	3/29/19 7:05	LBD
1,3-Dichlorobenzene	<2.00	2.00	0.120	µg/L	1		624.1	3/28/19	3/29/19 7:05	LBD
1,4-Dichlorobenzene	<2.00	2.00	0.130	µg/L	1		624.1	3/28/19	3/29/19 7:05	LBD
1,2-Dichloroethane	<2.00	2.00	0.410	µg/L	1		624.1	3/28/19	3/29/19 7:05	LBD
1,1-Dichloroethane	<2.00	2.00	0.160	µg/L	1		624.1	3/28/19	3/29/19 7:05	LBD
1,1-Dichloroethylene	<2.00	2.00	0.320	µg/L	1		624.1	3/28/19	3/29/19 7:05	LBD
trans-1,2-Dichloroethylene	<2.00	2.00	0.310	µg/L	1		624.1	3/28/19	3/29/19 7:05	LBD
1,2-Dichloropropane	<2.00	2.00	0.200	µg/L	1		624.1	3/28/19	3/29/19 7:05	LBD
cis-1,3-Dichloropropene	<2.00	2.00	0.130	µg/L	1		624.1	3/28/19	3/29/19 7:05	LBD
trans-1,3-Dichloropropene	<2.00	2.00	0.230	µg/L	1		624.1	3/28/19	3/29/19 7:05	LBD
Ethylbenzene	<2.00	2.00	0.130	µg/L	1		624.1	3/28/19	3/29/19 7:05	LBD
Methyl tert-Butyl Ether (MTBE)	<2.00	2.00	0.250	µg/L	1		624.1	3/28/19	3/29/19 7:05	LBD
Methylene Chloride	<5.00	5.00	0.340	µg/L	1	L-03	624.1	3/28/19	3/29/19 7:05	LBD
1,1,2,2-Tetrachloroethane	<2.00	2.00	0.220	µg/L	1		624.1	3/28/19	3/29/19 7:05	LBD
Tetrachloroethylene	<2.00	2.00	0.180	µg/L	1		624.1	3/28/19	3/29/19 7:05	LBD
Toluene	<1.00	1.00	0.140	µg/L	1		624.1	3/28/19	3/29/19 7:05	LBD
1,1,1-Trichloroethane	15.6	2.00	0.200	µg/L	1		624.1	3/28/19	3/29/19 7:05	LBD
1,1,2-Trichloroethane	<2.00	2.00	0.160	µg/L	1		624.1	3/28/19	3/29/19 7:05	LBD
Trichloroethylene	<2.00	2.00	0.240	µg/L	1		624.1	3/28/19	3/29/19 7:05	LBD
Trichlorofluoromethane (Freon 11)	<2.00	2.00	0.330	µg/L	1		624.1	3/28/19	3/29/19 7:05	LBD
Vinyl Chloride	<2.00	2.00	0.450	µg/L	1		624.1	3/28/19	3/29/19 7:05	LBD
m+p Xylene	<2.00	2.00	0.300	µg/L	1		624.1	3/28/19	3/29/19 7:05	LBD
o-Xylene	<2.00	2.00	0.170	µg/L	1		624.1	3/28/19	3/29/19 7:05	LBD
Surrogates	% Recovery	Recovery Limits		Flag/Qual						
1,2-Dichloroethane-d4	95.0	70-130				3/29/19 7:05				
Toluene-d8	100	70-130				3/29/19 7:05				
4-Bromofluorobenzene	103	70-130				3/29/19 7:05				

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Project Location: Town of Otselic, NY

Sample Description:

Work Order: 19C1401

Date Received: 3/26/2019

Field Sample #: TW-6S_20190236

Sampled: 3/26/2019 08:57

Sample ID: 19C1401-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	<1.00	1.00	0.180	µg/L	1		624.1	3/28/19	3/29/19 7:36	LBD
Bromodichloromethane	0.360	2.00	0.160	µg/L	1	J	624.1	3/28/19	3/29/19 7:36	LBD
Bromoform	<2.00	2.00	0.460	µg/L	1		624.1	3/28/19	3/29/19 7:36	LBD
Bromomethane	<2.00	2.00	0.780	µg/L	1		624.1	3/28/19	3/29/19 7:36	LBD
Carbon Tetrachloride	<2.00	2.00	0.110	µg/L	1		624.1	3/28/19	3/29/19 7:36	LBD
Chlorobenzene	<2.00	2.00	0.150	µg/L	1		624.1	3/28/19	3/29/19 7:36	LBD
Chlorodibromomethane	<2.00	2.00	0.210	µg/L	1		624.1	3/28/19	3/29/19 7:36	LBD
Chloroethane	<2.00	2.00	0.350	µg/L	1		624.1	3/28/19	3/29/19 7:36	LBD
Chloroform	3.02	2.00	0.170	µg/L	1		624.1	3/28/19	3/29/19 7:36	LBD
Chloromethane	<2.00	2.00	0.450	µg/L	1		624.1	3/28/19	3/29/19 7:36	LBD
1,2-Dichlorobenzene	<2.00	2.00	0.160	µg/L	1		624.1	3/28/19	3/29/19 7:36	LBD
1,3-Dichlorobenzene	<2.00	2.00	0.120	µg/L	1		624.1	3/28/19	3/29/19 7:36	LBD
1,4-Dichlorobenzene	<2.00	2.00	0.130	µg/L	1		624.1	3/28/19	3/29/19 7:36	LBD
1,2-Dichloroethane	<2.00	2.00	0.410	µg/L	1		624.1	3/28/19	3/29/19 7:36	LBD
1,1-Dichloroethane	<2.00	2.00	0.160	µg/L	1		624.1	3/28/19	3/29/19 7:36	LBD
1,1-Dichloroethylene	<2.00	2.00	0.320	µg/L	1		624.1	3/28/19	3/29/19 7:36	LBD
trans-1,2-Dichloroethylene	<2.00	2.00	0.310	µg/L	1		624.1	3/28/19	3/29/19 7:36	LBD
1,2-Dichloropropane	<2.00	2.00	0.200	µg/L	1		624.1	3/28/19	3/29/19 7:36	LBD
cis-1,3-Dichloropropene	<2.00	2.00	0.130	µg/L	1		624.1	3/28/19	3/29/19 7:36	LBD
trans-1,3-Dichloropropene	<2.00	2.00	0.230	µg/L	1		624.1	3/28/19	3/29/19 7:36	LBD
Ethylbenzene	<2.00	2.00	0.130	µg/L	1		624.1	3/28/19	3/29/19 7:36	LBD
Methyl tert-Butyl Ether (MTBE)	<2.00	2.00	0.250	µg/L	1		624.1	3/28/19	3/29/19 7:36	LBD
Methylene Chloride	<5.00	5.00	0.340	µg/L	1	L-03	624.1	3/28/19	3/29/19 7:36	LBD
1,1,2,2-Tetrachloroethane	<2.00	2.00	0.220	µg/L	1		624.1	3/28/19	3/29/19 7:36	LBD
Tetrachloroethylene	<2.00	2.00	0.180	µg/L	1		624.1	3/28/19	3/29/19 7:36	LBD
Toluene	<1.00	1.00	0.140	µg/L	1		624.1	3/28/19	3/29/19 7:36	LBD
1,1,1-Trichloroethane	<2.00	2.00	0.200	µg/L	1		624.1	3/28/19	3/29/19 7:36	LBD
1,1,2-Trichloroethane	<2.00	2.00	0.160	µg/L	1		624.1	3/28/19	3/29/19 7:36	LBD
Trichloroethylene	<2.00	2.00	0.240	µg/L	1		624.1	3/28/19	3/29/19 7:36	LBD
Trichlorofluoromethane (Freon 11)	<2.00	2.00	0.330	µg/L	1		624.1	3/28/19	3/29/19 7:36	LBD
Vinyl Chloride	<2.00	2.00	0.450	µg/L	1		624.1	3/28/19	3/29/19 7:36	LBD
m+p Xylene	<2.00	2.00	0.300	µg/L	1		624.1	3/28/19	3/29/19 7:36	LBD
o-Xylene	<2.00	2.00	0.170	µg/L	1		624.1	3/28/19	3/29/19 7:36	LBD
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		96.0	70-130						3/29/19 7:36	
Toluene-d8		99.8	70-130						3/29/19 7:36	
4-Bromofluorobenzene		96.7	70-130						3/29/19 7:36	

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Project Location: Town of Otselic, NY

Sample Description:

Work Order: 19C1401

Date Received: 3/26/2019

Field Sample #: TW-61_20190326

Sampled: 3/26/2019 08:59

Sample ID: 19C1401-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	<1.00	1.00	0.180	µg/L	1		624.1	3/28/19	3/29/19 8:07	LBD
Bromodichloromethane	<2.00	2.00	0.160	µg/L	1		624.1	3/28/19	3/29/19 8:07	LBD
Bromoform	<2.00	2.00	0.460	µg/L	1		624.1	3/28/19	3/29/19 8:07	LBD
Bromomethane	<2.00	2.00	0.780	µg/L	1		624.1	3/28/19	3/29/19 8:07	LBD
Carbon Tetrachloride	<2.00	2.00	0.110	µg/L	1		624.1	3/28/19	3/29/19 8:07	LBD
Chlorobenzene	<2.00	2.00	0.150	µg/L	1		624.1	3/28/19	3/29/19 8:07	LBD
Chlorodibromomethane	<2.00	2.00	0.210	µg/L	1		624.1	3/28/19	3/29/19 8:07	LBD
Chloroethane	<2.00	2.00	0.350	µg/L	1		624.1	3/28/19	3/29/19 8:07	LBD
Chloroform	<2.00	2.00	0.170	µg/L	1		624.1	3/28/19	3/29/19 8:07	LBD
Chloromethane	<2.00	2.00	0.450	µg/L	1		624.1	3/28/19	3/29/19 8:07	LBD
1,2-Dichlorobenzene	<2.00	2.00	0.160	µg/L	1		624.1	3/28/19	3/29/19 8:07	LBD
1,3-Dichlorobenzene	<2.00	2.00	0.120	µg/L	1		624.1	3/28/19	3/29/19 8:07	LBD
1,4-Dichlorobenzene	<2.00	2.00	0.130	µg/L	1		624.1	3/28/19	3/29/19 8:07	LBD
1,2-Dichloroethane	<2.00	2.00	0.410	µg/L	1		624.1	3/28/19	3/29/19 8:07	LBD
1,1-Dichloroethane	<2.00	2.00	0.160	µg/L	1		624.1	3/28/19	3/29/19 8:07	LBD
1,1-Dichloroethylene	<2.00	2.00	0.320	µg/L	1		624.1	3/28/19	3/29/19 8:07	LBD
trans-1,2-Dichloroethylene	<2.00	2.00	0.310	µg/L	1		624.1	3/28/19	3/29/19 8:07	LBD
1,2-Dichloropropane	<2.00	2.00	0.200	µg/L	1		624.1	3/28/19	3/29/19 8:07	LBD
cis-1,3-Dichloropropene	<2.00	2.00	0.130	µg/L	1		624.1	3/28/19	3/29/19 8:07	LBD
trans-1,3-Dichloropropene	<2.00	2.00	0.230	µg/L	1		624.1	3/28/19	3/29/19 8:07	LBD
Ethylbenzene	<2.00	2.00	0.130	µg/L	1		624.1	3/28/19	3/29/19 8:07	LBD
Methyl tert-Butyl Ether (MTBE)	<2.00	2.00	0.250	µg/L	1		624.1	3/28/19	3/29/19 8:07	LBD
Methylene Chloride	<5.00	5.00	0.340	µg/L	1	L-03	624.1	3/28/19	3/29/19 8:07	LBD
1,1,2,2-Tetrachloroethane	<2.00	2.00	0.220	µg/L	1		624.1	3/28/19	3/29/19 8:07	LBD
Tetrachloroethylene	<2.00	2.00	0.180	µg/L	1		624.1	3/28/19	3/29/19 8:07	LBD
Toluene	<1.00	1.00	0.140	µg/L	1		624.1	3/28/19	3/29/19 8:07	LBD
1,1,1-Trichloroethane	0.430	2.00	0.200	µg/L	1	J	624.1	3/28/19	3/29/19 8:07	LBD
1,1,2-Trichloroethane	<2.00	2.00	0.160	µg/L	1		624.1	3/28/19	3/29/19 8:07	LBD
Trichloroethylene	<2.00	2.00	0.240	µg/L	1		624.1	3/28/19	3/29/19 8:07	LBD
Trichlorofluoromethane (Freon 11)	<2.00	2.00	0.330	µg/L	1		624.1	3/28/19	3/29/19 8:07	LBD
Vinyl Chloride	<2.00	2.00	0.450	µg/L	1		624.1	3/28/19	3/29/19 8:07	LBD
m+p Xylene	<2.00	2.00	0.300	µg/L	1		624.1	3/28/19	3/29/19 8:07	LBD
o-Xylene	<2.00	2.00	0.170	µg/L	1		624.1	3/28/19	3/29/19 8:07	LBD
Surrogates	% Recovery	Recovery Limits		Flag/Qual						
1,2-Dichloroethane-d4	94.4	70-130								
Toluene-d8	98.4	70-130								
4-Bromofluorobenzene	101	70-130								

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

Project Location: Town of Otselic, NY

Sample Description:

Work Order: 19C1401

Date Received: 3/26/2019

Field Sample #: TW-6D_20190326

Sampled: 3/26/2019 09:01

Sample ID: 19C1401-10

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	<1.00	1.00	0.180	µg/L	1		624.1	3/28/19	3/29/19 8:37	LBD
Bromodichloromethane	<2.00	2.00	0.160	µg/L	1		624.1	3/28/19	3/29/19 8:37	LBD
Bromoform	<2.00	2.00	0.460	µg/L	1		624.1	3/28/19	3/29/19 8:37	LBD
Bromomethane	<2.00	2.00	0.780	µg/L	1		624.1	3/28/19	3/29/19 8:37	LBD
Carbon Tetrachloride	<2.00	2.00	0.110	µg/L	1		624.1	3/28/19	3/29/19 8:37	LBD
Chlorobenzene	<2.00	2.00	0.150	µg/L	1		624.1	3/28/19	3/29/19 8:37	LBD
Chlorodibromomethane	<2.00	2.00	0.210	µg/L	1		624.1	3/28/19	3/29/19 8:37	LBD
Chloroethane	<2.00	2.00	0.350	µg/L	1		624.1	3/28/19	3/29/19 8:37	LBD
Chloroform	<2.00	2.00	0.170	µg/L	1		624.1	3/28/19	3/29/19 8:37	LBD
Chloromethane	<2.00	2.00	0.450	µg/L	1		624.1	3/28/19	3/29/19 8:37	LBD
1,2-Dichlorobenzene	<2.00	2.00	0.160	µg/L	1		624.1	3/28/19	3/29/19 8:37	LBD
1,3-Dichlorobenzene	<2.00	2.00	0.120	µg/L	1		624.1	3/28/19	3/29/19 8:37	LBD
1,4-Dichlorobenzene	<2.00	2.00	0.130	µg/L	1		624.1	3/28/19	3/29/19 8:37	LBD
1,2-Dichloroethane	<2.00	2.00	0.410	µg/L	1		624.1	3/28/19	3/29/19 8:37	LBD
1,1-Dichloroethane	<2.00	2.00	0.160	µg/L	1		624.1	3/28/19	3/29/19 8:37	LBD
1,1-Dichloroethylene	<2.00	2.00	0.320	µg/L	1		624.1	3/28/19	3/29/19 8:37	LBD
trans-1,2-Dichloroethylene	<2.00	2.00	0.310	µg/L	1		624.1	3/28/19	3/29/19 8:37	LBD
1,2-Dichloropropane	<2.00	2.00	0.200	µg/L	1		624.1	3/28/19	3/29/19 8:37	LBD
cis-1,3-Dichloropropene	<2.00	2.00	0.130	µg/L	1		624.1	3/28/19	3/29/19 8:37	LBD
trans-1,3-Dichloropropene	<2.00	2.00	0.230	µg/L	1		624.1	3/28/19	3/29/19 8:37	LBD
Ethylbenzene	<2.00	2.00	0.130	µg/L	1		624.1	3/28/19	3/29/19 8:37	LBD
Methyl tert-Butyl Ether (MTBE)	<2.00	2.00	0.250	µg/L	1		624.1	3/28/19	3/29/19 8:37	LBD
Methylene Chloride	<5.00	5.00	0.340	µg/L	1	L-03	624.1	3/28/19	3/29/19 8:37	LBD
1,1,2,2-Tetrachloroethane	<2.00	2.00	0.220	µg/L	1		624.1	3/28/19	3/29/19 8:37	LBD
Tetrachloroethylene	<2.00	2.00	0.180	µg/L	1		624.1	3/28/19	3/29/19 8:37	LBD
Toluene	<1.00	1.00	0.140	µg/L	1		624.1	3/28/19	3/29/19 8:37	LBD
1,1,1-Trichloroethane	<2.00	2.00	0.200	µg/L	1		624.1	3/28/19	3/29/19 8:37	LBD
1,1,2-Trichloroethane	<2.00	2.00	0.160	µg/L	1		624.1	3/28/19	3/29/19 8:37	LBD
Trichloroethylene	<2.00	2.00	0.240	µg/L	1		624.1	3/28/19	3/29/19 8:37	LBD
Trichlorofluoromethane (Freon 11)	<2.00	2.00	0.330	µg/L	1		624.1	3/28/19	3/29/19 8:37	LBD
Vinyl Chloride	<2.00	2.00	0.450	µg/L	1		624.1	3/28/19	3/29/19 8:37	LBD
m+p Xylene	<2.00	2.00	0.300	µg/L	1		624.1	3/28/19	3/29/19 8:37	LBD
o-Xylene	<2.00	2.00	0.170	µg/L	1		624.1	3/28/19	3/29/19 8:37	LBD
Surrogates	% Recovery	Recovery Limits		Flag/Qual						
1,2-Dichloroethane-d4	95.8	70-130								
Toluene-d8	98.7	70-130								
4-Bromofluorobenzene	103	70-130								

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Project Location: Town of Otselic, NY

Sample Description:

Work Order: 19C1401

Date Received: 3/26/2019

Field Sample #: TW-7S_20190325

Sampled: 3/25/2019 16:55

Sample ID: 19C1401-11

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	<1.00	1.00	0.180	µg/L	1		624.1	3/29/19	3/29/19 16:18	LBD
Bromodichloromethane	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 16:18	LBD
Bromoform	<2.00	2.00	0.460	µg/L	1		624.1	3/29/19	3/29/19 16:18	LBD
Bromomethane	<2.00	2.00	0.780	µg/L	1		624.1	3/29/19	3/29/19 16:18	LBD
Carbon Tetrachloride	<2.00	2.00	0.110	µg/L	1		624.1	3/29/19	3/29/19 16:18	LBD
Chlorobenzene	<2.00	2.00	0.150	µg/L	1		624.1	3/29/19	3/29/19 16:18	LBD
Chlorodibromomethane	<2.00	2.00	0.210	µg/L	1		624.1	3/29/19	3/29/19 16:18	LBD
Chloroethane	<2.00	2.00	0.350	µg/L	1		624.1	3/29/19	3/29/19 16:18	LBD
Chloroform	<2.00	2.00	0.170	µg/L	1		624.1	3/29/19	3/29/19 16:18	LBD
Chloromethane	<2.00	2.00	0.450	µg/L	1		624.1	3/29/19	3/29/19 16:18	LBD
1,2-Dichlorobenzene	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 16:18	LBD
1,3-Dichlorobenzene	<2.00	2.00	0.120	µg/L	1		624.1	3/29/19	3/29/19 16:18	LBD
1,4-Dichlorobenzene	<2.00	2.00	0.130	µg/L	1		624.1	3/29/19	3/29/19 16:18	LBD
1,2-Dichloroethane	<2.00	2.00	0.410	µg/L	1		624.1	3/29/19	3/29/19 16:18	LBD
1,1-Dichloroethane	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 16:18	LBD
1,1-Dichloroethylene	<2.00	2.00	0.320	µg/L	1		624.1	3/29/19	3/29/19 16:18	LBD
trans-1,2-Dichloroethylene	<2.00	2.00	0.310	µg/L	1		624.1	3/29/19	3/29/19 16:18	LBD
1,2-Dichloropropane	<2.00	2.00	0.200	µg/L	1		624.1	3/29/19	3/29/19 16:18	LBD
cis-1,3-Dichloropropene	<2.00	2.00	0.130	µg/L	1		624.1	3/29/19	3/29/19 16:18	LBD
trans-1,3-Dichloropropene	<2.00	2.00	0.230	µg/L	1		624.1	3/29/19	3/29/19 16:18	LBD
Ethylbenzene	<2.00	2.00	0.130	µg/L	1		624.1	3/29/19	3/29/19 16:18	LBD
Methyl tert-Butyl Ether (MTBE)	<2.00	2.00	0.250	µg/L	1		624.1	3/29/19	3/29/19 16:18	LBD
Methylene Chloride	<5.00	5.00	0.340	µg/L	1		624.1	3/29/19	3/29/19 16:18	LBD
1,1,2,2-Tetrachloroethane	<2.00	2.00	0.220	µg/L	1		624.1	3/29/19	3/29/19 16:18	LBD
Tetrachloroethylene	<2.00	2.00	0.180	µg/L	1		624.1	3/29/19	3/29/19 16:18	LBD
Toluene	<1.00	1.00	0.140	µg/L	1		624.1	3/29/19	3/29/19 16:18	LBD
1,1,1-Trichloroethane	3.86	2.00	0.200	µg/L	1		624.1	3/29/19	3/29/19 16:18	LBD
1,1,2-Trichloroethane	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 16:18	LBD
Trichloroethylene	<2.00	2.00	0.240	µg/L	1		624.1	3/29/19	3/29/19 16:18	LBD
Trichlorofluoromethane (Freon 11)	<2.00	2.00	0.330	µg/L	1		624.1	3/29/19	3/29/19 16:18	LBD
Vinyl Chloride	<2.00	2.00	0.450	µg/L	1		624.1	3/29/19	3/29/19 16:18	LBD
m+p Xylene	<2.00	2.00	0.300	µg/L	1		624.1	3/29/19	3/29/19 16:18	LBD
o-Xylene	<2.00	2.00	0.170	µg/L	1		624.1	3/29/19	3/29/19 16:18	LBD
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	94.5		70-130				3/29/19 16:18			
Toluene-d8	98.4		70-130				3/29/19 16:18			
4-Bromofluorobenzene	102		70-130				3/29/19 16:18			

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

Project Location: Town of Otselic, NY

Sample Description:

Work Order: 19C1401

Date Received: 3/26/2019

Field Sample #: TW-7D_20190325

Sampled: 3/26/2019 17:01

Sample ID: 19C1401-12

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	<1.00	1.00	0.180	µg/L	1		624.1	3/29/19	3/29/19 16:49	LBD
Bromodichloromethane	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 16:49	LBD
Bromoform	<2.00	2.00	0.460	µg/L	1		624.1	3/29/19	3/29/19 16:49	LBD
Bromomethane	<2.00	2.00	0.780	µg/L	1		624.1	3/29/19	3/29/19 16:49	LBD
Carbon Tetrachloride	<2.00	2.00	0.110	µg/L	1		624.1	3/29/19	3/29/19 16:49	LBD
Chlorobenzene	<2.00	2.00	0.150	µg/L	1		624.1	3/29/19	3/29/19 16:49	LBD
Chlorodibromomethane	<2.00	2.00	0.210	µg/L	1		624.1	3/29/19	3/29/19 16:49	LBD
Chloroethane	<2.00	2.00	0.350	µg/L	1		624.1	3/29/19	3/29/19 16:49	LBD
Chloroform	<2.00	2.00	0.170	µg/L	1		624.1	3/29/19	3/29/19 16:49	LBD
Chloromethane	<2.00	2.00	0.450	µg/L	1		624.1	3/29/19	3/29/19 16:49	LBD
1,2-Dichlorobenzene	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 16:49	LBD
1,3-Dichlorobenzene	<2.00	2.00	0.120	µg/L	1		624.1	3/29/19	3/29/19 16:49	LBD
1,4-Dichlorobenzene	<2.00	2.00	0.130	µg/L	1		624.1	3/29/19	3/29/19 16:49	LBD
1,2-Dichloroethane	<2.00	2.00	0.410	µg/L	1		624.1	3/29/19	3/29/19 16:49	LBD
1,1-Dichloroethane	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 16:49	LBD
1,1-Dichloroethylene	<2.00	2.00	0.320	µg/L	1		624.1	3/29/19	3/29/19 16:49	LBD
trans-1,2-Dichloroethylene	<2.00	2.00	0.310	µg/L	1		624.1	3/29/19	3/29/19 16:49	LBD
1,2-Dichloropropane	<2.00	2.00	0.200	µg/L	1		624.1	3/29/19	3/29/19 16:49	LBD
cis-1,3-Dichloropropene	<2.00	2.00	0.130	µg/L	1		624.1	3/29/19	3/29/19 16:49	LBD
trans-1,3-Dichloropropene	<2.00	2.00	0.230	µg/L	1		624.1	3/29/19	3/29/19 16:49	LBD
Ethylbenzene	<2.00	2.00	0.130	µg/L	1		624.1	3/29/19	3/29/19 16:49	LBD
Methyl tert-Butyl Ether (MTBE)	<2.00	2.00	0.250	µg/L	1		624.1	3/29/19	3/29/19 16:49	LBD
Methylene Chloride	<5.00	5.00	0.340	µg/L	1		624.1	3/29/19	3/29/19 16:49	LBD
1,1,2,2-Tetrachloroethane	<2.00	2.00	0.220	µg/L	1		624.1	3/29/19	3/29/19 16:49	LBD
Tetrachloroethylene	<2.00	2.00	0.180	µg/L	1		624.1	3/29/19	3/29/19 16:49	LBD
Toluene	<1.00	1.00	0.140	µg/L	1		624.1	3/29/19	3/29/19 16:49	LBD
1,1,1-Trichloroethane	0.650	2.00	0.200	µg/L	1	J	624.1	3/29/19	3/29/19 16:49	LBD
1,1,2-Trichloroethane	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 16:49	LBD
Trichloroethylene	<2.00	2.00	0.240	µg/L	1		624.1	3/29/19	3/29/19 16:49	LBD
Trichlorofluoromethane (Freon 11)	<2.00	2.00	0.330	µg/L	1		624.1	3/29/19	3/29/19 16:49	LBD
Vinyl Chloride	<2.00	2.00	0.450	µg/L	1		624.1	3/29/19	3/29/19 16:49	LBD
m+p Xylene	<2.00	2.00	0.300	µg/L	1		624.1	3/29/19	3/29/19 16:49	LBD
o-Xylene	<2.00	2.00	0.170	µg/L	1		624.1	3/29/19	3/29/19 16:49	LBD
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	95.0		70-130				3/29/19 16:49			
Toluene-d8	98.4		70-130				3/29/19 16:49			
4-Bromofluorobenzene	101		70-130				3/29/19 16:49			

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Project Location: Town of Otselic, NY

Sample Description:

Work Order: 19C1401

Date Received: 3/26/2019

Field Sample #: TW-91_20190326

Sampled: 3/26/2019 09:18

Sample ID: 19C1401-13

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	<1.00	1.00	0.180	µg/L	1		624.1	3/29/19	3/29/19 17:19	LBD
Bromodichloromethane	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 17:19	LBD
Bromoform	<2.00	2.00	0.460	µg/L	1		624.1	3/29/19	3/29/19 17:19	LBD
Bromomethane	<2.00	2.00	0.780	µg/L	1		624.1	3/29/19	3/29/19 17:19	LBD
Carbon Tetrachloride	<2.00	2.00	0.110	µg/L	1		624.1	3/29/19	3/29/19 17:19	LBD
Chlorobenzene	<2.00	2.00	0.150	µg/L	1		624.1	3/29/19	3/29/19 17:19	LBD
Chlorodibromomethane	<2.00	2.00	0.210	µg/L	1		624.1	3/29/19	3/29/19 17:19	LBD
Chloroethane	<2.00	2.00	0.350	µg/L	1		624.1	3/29/19	3/29/19 17:19	LBD
Chloroform	<2.00	2.00	0.170	µg/L	1		624.1	3/29/19	3/29/19 17:19	LBD
Chloromethane	<2.00	2.00	0.450	µg/L	1		624.1	3/29/19	3/29/19 17:19	LBD
1,2-Dichlorobenzene	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 17:19	LBD
1,3-Dichlorobenzene	<2.00	2.00	0.120	µg/L	1		624.1	3/29/19	3/29/19 17:19	LBD
1,4-Dichlorobenzene	<2.00	2.00	0.130	µg/L	1		624.1	3/29/19	3/29/19 17:19	LBD
1,2-Dichloroethane	<2.00	2.00	0.410	µg/L	1		624.1	3/29/19	3/29/19 17:19	LBD
1,1-Dichloroethane	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 17:19	LBD
1,1-Dichloroethylene	<2.00	2.00	0.320	µg/L	1		624.1	3/29/19	3/29/19 17:19	LBD
trans-1,2-Dichloroethylene	<2.00	2.00	0.310	µg/L	1		624.1	3/29/19	3/29/19 17:19	LBD
1,2-Dichloropropane	<2.00	2.00	0.200	µg/L	1		624.1	3/29/19	3/29/19 17:19	LBD
cis-1,3-Dichloropropene	<2.00	2.00	0.130	µg/L	1		624.1	3/29/19	3/29/19 17:19	LBD
trans-1,3-Dichloropropene	<2.00	2.00	0.230	µg/L	1		624.1	3/29/19	3/29/19 17:19	LBD
Ethylbenzene	<2.00	2.00	0.130	µg/L	1		624.1	3/29/19	3/29/19 17:19	LBD
Methyl tert-Butyl Ether (MTBE)	<2.00	2.00	0.250	µg/L	1		624.1	3/29/19	3/29/19 17:19	LBD
Methylene Chloride	<5.00	5.00	0.340	µg/L	1		624.1	3/29/19	3/29/19 17:19	LBD
1,1,2,2-Tetrachloroethane	<2.00	2.00	0.220	µg/L	1		624.1	3/29/19	3/29/19 17:19	LBD
Tetrachloroethylene	<2.00	2.00	0.180	µg/L	1		624.1	3/29/19	3/29/19 17:19	LBD
Toluene	<1.00	1.00	0.140	µg/L	1		624.1	3/29/19	3/29/19 17:19	LBD
1,1,1-Trichloroethane	2.92	2.00	0.200	µg/L	1		624.1	3/29/19	3/29/19 17:19	LBD
1,1,2-Trichloroethane	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 17:19	LBD
Trichloroethylene	<2.00	2.00	0.240	µg/L	1		624.1	3/29/19	3/29/19 17:19	LBD
Trichlorofluoromethane (Freon 11)	<2.00	2.00	0.330	µg/L	1		624.1	3/29/19	3/29/19 17:19	LBD
Vinyl Chloride	<2.00	2.00	0.450	µg/L	1		624.1	3/29/19	3/29/19 17:19	LBD
m+p Xylene	<2.00	2.00	0.300	µg/L	1		624.1	3/29/19	3/29/19 17:19	LBD
o-Xylene	<2.00	2.00	0.170	µg/L	1		624.1	3/29/19	3/29/19 17:19	LBD
Surrogates	% Recovery	Recovery Limits		Flag/Qual						
1,2-Dichloroethane-d4	95.2	70-130				3/29/19 17:19				
Toluene-d8	97.9	70-130				3/29/19 17:19				
4-Bromofluorobenzene	102	70-130				3/29/19 17:19				

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

Project Location: Town of Otselic, NY

Sample Description:

Work Order: 19C1401

Date Received: 3/26/2019

Field Sample #: TW-9D_20190326

Sampled: 3/26/2019 09:20

Sample ID: 19C1401-14

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	<1.00	1.00	0.180	µg/L	1		624.1	4/1/19	4/3/19 2:27	LBD
Bromodichloromethane	<2.00	2.00	0.160	µg/L	1		624.1	4/1/19	4/3/19 2:27	LBD
Bromoform	<2.00	2.00	0.460	µg/L	1		624.1	4/1/19	4/3/19 2:27	LBD
Bromomethane	<2.00	2.00	0.780	µg/L	1		624.1	4/1/19	4/3/19 2:27	LBD
Carbon Tetrachloride	<2.00	2.00	0.110	µg/L	1		624.1	4/1/19	4/3/19 2:27	LBD
Chlorobenzene	<2.00	2.00	0.150	µg/L	1		624.1	4/1/19	4/3/19 2:27	LBD
Chlorodibromomethane	<2.00	2.00	0.210	µg/L	1		624.1	4/1/19	4/3/19 2:27	LBD
Chloroethane	<2.00	2.00	0.350	µg/L	1		624.1	4/1/19	4/3/19 2:27	LBD
Chloroform	<2.00	2.00	0.170	µg/L	1		624.1	4/1/19	4/3/19 2:27	LBD
Chloromethane	<2.00	2.00	0.450	µg/L	1		624.1	4/1/19	4/3/19 2:27	LBD
1,2-Dichlorobenzene	<2.00	2.00	0.160	µg/L	1		624.1	4/1/19	4/3/19 2:27	LBD
1,3-Dichlorobenzene	<2.00	2.00	0.120	µg/L	1		624.1	4/1/19	4/3/19 2:27	LBD
1,4-Dichlorobenzene	<2.00	2.00	0.130	µg/L	1		624.1	4/1/19	4/3/19 2:27	LBD
1,2-Dichloroethane	<2.00	2.00	0.410	µg/L	1		624.1	4/1/19	4/3/19 2:27	LBD
1,1-Dichloroethane	<2.00	2.00	0.160	µg/L	1		624.1	4/1/19	4/3/19 2:27	LBD
1,1-Dichloroethylene	<2.00	2.00	0.320	µg/L	1		624.1	4/1/19	4/3/19 2:27	LBD
trans-1,2-Dichloroethylene	<2.00	2.00	0.310	µg/L	1		624.1	4/1/19	4/3/19 2:27	LBD
1,2-Dichloropropane	<2.00	2.00	0.200	µg/L	1		624.1	4/1/19	4/3/19 2:27	LBD
cis-1,3-Dichloropropene	<2.00	2.00	0.130	µg/L	1		624.1	4/1/19	4/3/19 2:27	LBD
trans-1,3-Dichloropropene	<2.00	2.00	0.230	µg/L	1		624.1	4/1/19	4/3/19 2:27	LBD
Ethylbenzene	<2.00	2.00	0.130	µg/L	1		624.1	4/1/19	4/3/19 2:27	LBD
Methyl tert-Butyl Ether (MTBE)	<2.00	2.00	0.250	µg/L	1		624.1	4/1/19	4/3/19 2:27	LBD
Methylene Chloride	<5.00	5.00	0.340	µg/L	1		624.1	4/1/19	4/3/19 2:27	LBD
1,1,2,2-Tetrachloroethane	<2.00	2.00	0.220	µg/L	1		624.1	4/1/19	4/3/19 2:27	LBD
Tetrachloroethylene	<2.00	2.00	0.180	µg/L	1		624.1	4/1/19	4/3/19 2:27	LBD
Toluene	<1.00	1.00	0.140	µg/L	1		624.1	4/1/19	4/3/19 2:27	LBD
1,1,1-Trichloroethane	<2.00	2.00	0.200	µg/L	1		624.1	4/1/19	4/3/19 2:27	LBD
1,1,2-Trichloroethane	<2.00	2.00	0.160	µg/L	1		624.1	4/1/19	4/3/19 2:27	LBD
Trichloroethylene	<2.00	2.00	0.240	µg/L	1		624.1	4/1/19	4/3/19 2:27	LBD
Trichlorofluoromethane (Freon 11)	<2.00	2.00	0.330	µg/L	1		624.1	4/1/19	4/3/19 2:27	LBD
Vinyl Chloride	<2.00	2.00	0.450	µg/L	1		624.1	4/1/19	4/3/19 2:27	LBD
m+p Xylene	<2.00	2.00	0.300	µg/L	1		624.1	4/1/19	4/3/19 2:27	LBD
o-Xylene	<2.00	2.00	0.170	µg/L	1		624.1	4/1/19	4/3/19 2:27	LBD
Surrogates	% Recovery	Recovery Limits		Flag/Qual						
1,2-Dichloroethane-d4	94.0	70-130				4/3/19 2:27				
Toluene-d8	99.0	70-130				4/3/19 2:27				
4-Bromofluorobenzene	102	70-130				4/3/19 2:27				

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Project Location: Town of Otselic, NY

Sample Description:

Work Order: 19C1401

Date Received: 3/26/2019

Field Sample #: TW-12I_20190325

Sampled: 3/25/2019 16:15

Sample ID: 19C1401-15

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	<1.00	1.00	0.180	µg/L	1		624.1	3/29/19	3/29/19 17:50	LBD
Bromodichloromethane	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 17:50	LBD
Bromoform	<2.00	2.00	0.460	µg/L	1		624.1	3/29/19	3/29/19 17:50	LBD
Bromomethane	<2.00	2.00	0.780	µg/L	1		624.1	3/29/19	3/29/19 17:50	LBD
Carbon Tetrachloride	<2.00	2.00	0.110	µg/L	1		624.1	3/29/19	3/29/19 17:50	LBD
Chlorobenzene	<2.00	2.00	0.150	µg/L	1		624.1	3/29/19	3/29/19 17:50	LBD
Chlorodibromomethane	<2.00	2.00	0.210	µg/L	1		624.1	3/29/19	3/29/19 17:50	LBD
Chloroethane	<2.00	2.00	0.350	µg/L	1		624.1	3/29/19	3/29/19 17:50	LBD
Chloroform	<2.00	2.00	0.170	µg/L	1		624.1	3/29/19	3/29/19 17:50	LBD
Chloromethane	<2.00	2.00	0.450	µg/L	1		624.1	3/29/19	3/29/19 17:50	LBD
1,2-Dichlorobenzene	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 17:50	LBD
1,3-Dichlorobenzene	<2.00	2.00	0.120	µg/L	1		624.1	3/29/19	3/29/19 17:50	LBD
1,4-Dichlorobenzene	<2.00	2.00	0.130	µg/L	1		624.1	3/29/19	3/29/19 17:50	LBD
1,2-Dichloroethane	<2.00	2.00	0.410	µg/L	1		624.1	3/29/19	3/29/19 17:50	LBD
1,1-Dichloroethane	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 17:50	LBD
1,1-Dichloroethylene	<2.00	2.00	0.320	µg/L	1		624.1	3/29/19	3/29/19 17:50	LBD
trans-1,2-Dichloroethylene	<2.00	2.00	0.310	µg/L	1		624.1	3/29/19	3/29/19 17:50	LBD
1,2-Dichloropropane	<2.00	2.00	0.200	µg/L	1		624.1	3/29/19	3/29/19 17:50	LBD
cis-1,3-Dichloropropene	<2.00	2.00	0.130	µg/L	1		624.1	3/29/19	3/29/19 17:50	LBD
trans-1,3-Dichloropropene	<2.00	2.00	0.230	µg/L	1		624.1	3/29/19	3/29/19 17:50	LBD
Ethylbenzene	<2.00	2.00	0.130	µg/L	1		624.1	3/29/19	3/29/19 17:50	LBD
Methyl tert-Butyl Ether (MTBE)	<2.00	2.00	0.250	µg/L	1		624.1	3/29/19	3/29/19 17:50	LBD
Methylene Chloride	<5.00	5.00	0.340	µg/L	1		624.1	3/29/19	3/29/19 17:50	LBD
1,1,2,2-Tetrachloroethane	<2.00	2.00	0.220	µg/L	1		624.1	3/29/19	3/29/19 17:50	LBD
Tetrachloroethylene	<2.00	2.00	0.180	µg/L	1		624.1	3/29/19	3/29/19 17:50	LBD
Toluene	<1.00	1.00	0.140	µg/L	1		624.1	3/29/19	3/29/19 17:50	LBD
1,1,1-Trichloroethane	2.51	2.00	0.200	µg/L	1		624.1	3/29/19	3/29/19 17:50	LBD
1,1,2-Trichloroethane	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 17:50	LBD
Trichloroethylene	<2.00	2.00	0.240	µg/L	1		624.1	3/29/19	3/29/19 17:50	LBD
Trichlorofluoromethane (Freon 11)	<2.00	2.00	0.330	µg/L	1		624.1	3/29/19	3/29/19 17:50	LBD
Vinyl Chloride	<2.00	2.00	0.450	µg/L	1		624.1	3/29/19	3/29/19 17:50	LBD
m+p Xylene	<2.00	2.00	0.300	µg/L	1		624.1	3/29/19	3/29/19 17:50	LBD
o-Xylene	<2.00	2.00	0.170	µg/L	1		624.1	3/29/19	3/29/19 17:50	LBD
Surrogates	% Recovery	Recovery Limits		Flag/Qual						
1,2-Dichloroethane-d4	95.5	70-130				3/29/19 17:50				
Toluene-d8	98.8	70-130				3/29/19 17:50				
4-Bromofluorobenzene	102	70-130				3/29/19 17:50				

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Project Location: Town of Otselic, NY

Sample Description:

Work Order: 19C1401

Date Received: 3/26/2019

Field Sample #: TW-12D_20190325

Sampled: 3/25/2019 16:18

Sample ID: 19C1401-16

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	<1.00	1.00	0.180	µg/L	1		624.1	3/29/19	3/29/19 18:20	LBD
Bromodichloromethane	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 18:20	LBD
Bromoform	<2.00	2.00	0.460	µg/L	1		624.1	3/29/19	3/29/19 18:20	LBD
Bromomethane	<2.00	2.00	0.780	µg/L	1		624.1	3/29/19	3/29/19 18:20	LBD
Carbon Tetrachloride	<2.00	2.00	0.110	µg/L	1		624.1	3/29/19	3/29/19 18:20	LBD
Chlorobenzene	<2.00	2.00	0.150	µg/L	1		624.1	3/29/19	3/29/19 18:20	LBD
Chlorodibromomethane	<2.00	2.00	0.210	µg/L	1		624.1	3/29/19	3/29/19 18:20	LBD
Chloroethane	<2.00	2.00	0.350	µg/L	1		624.1	3/29/19	3/29/19 18:20	LBD
Chloroform	<2.00	2.00	0.170	µg/L	1		624.1	3/29/19	3/29/19 18:20	LBD
Chloromethane	<2.00	2.00	0.450	µg/L	1		624.1	3/29/19	3/29/19 18:20	LBD
1,2-Dichlorobenzene	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 18:20	LBD
1,3-Dichlorobenzene	<2.00	2.00	0.120	µg/L	1		624.1	3/29/19	3/29/19 18:20	LBD
1,4-Dichlorobenzene	<2.00	2.00	0.130	µg/L	1		624.1	3/29/19	3/29/19 18:20	LBD
1,2-Dichloroethane	<2.00	2.00	0.410	µg/L	1		624.1	3/29/19	3/29/19 18:20	LBD
1,1-Dichloroethane	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 18:20	LBD
1,1-Dichloroethylene	<2.00	2.00	0.320	µg/L	1		624.1	3/29/19	3/29/19 18:20	LBD
trans-1,2-Dichloroethylene	<2.00	2.00	0.310	µg/L	1		624.1	3/29/19	3/29/19 18:20	LBD
1,2-Dichloropropane	<2.00	2.00	0.200	µg/L	1		624.1	3/29/19	3/29/19 18:20	LBD
cis-1,3-Dichloropropene	<2.00	2.00	0.130	µg/L	1		624.1	3/29/19	3/29/19 18:20	LBD
trans-1,3-Dichloropropene	<2.00	2.00	0.230	µg/L	1		624.1	3/29/19	3/29/19 18:20	LBD
Ethylbenzene	<2.00	2.00	0.130	µg/L	1		624.1	3/29/19	3/29/19 18:20	LBD
Methyl tert-Butyl Ether (MTBE)	<2.00	2.00	0.250	µg/L	1		624.1	3/29/19	3/29/19 18:20	LBD
Methylene Chloride	<5.00	5.00	0.340	µg/L	1		624.1	3/29/19	3/29/19 18:20	LBD
1,1,2,2-Tetrachloroethane	<2.00	2.00	0.220	µg/L	1		624.1	3/29/19	3/29/19 18:20	LBD
Tetrachloroethylene	<2.00	2.00	0.180	µg/L	1		624.1	3/29/19	3/29/19 18:20	LBD
Toluene	<1.00	1.00	0.140	µg/L	1		624.1	3/29/19	3/29/19 18:20	LBD
1,1,1-Trichloroethane	0.500	2.00	0.200	µg/L	1	J	624.1	3/29/19	3/29/19 18:20	LBD
1,1,2-Trichloroethane	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 18:20	LBD
Trichloroethylene	<2.00	2.00	0.240	µg/L	1		624.1	3/29/19	3/29/19 18:20	LBD
Trichlorofluoromethane (Freon 11)	<2.00	2.00	0.330	µg/L	1		624.1	3/29/19	3/29/19 18:20	LBD
Vinyl Chloride	<2.00	2.00	0.450	µg/L	1		624.1	3/29/19	3/29/19 18:20	LBD
m+p Xylene	<2.00	2.00	0.300	µg/L	1		624.1	3/29/19	3/29/19 18:20	LBD
o-Xylene	<2.00	2.00	0.170	µg/L	1		624.1	3/29/19	3/29/19 18:20	LBD
Surrogates	% Recovery	Recovery Limits		Flag/Qual						
1,2-Dichloroethane-d4	95.7	70-130								
Toluene-d8	97.8	70-130								
4-Bromofluorobenzene	102	70-130								

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Project Location: Town of Otselic, NY

Sample Description:

Work Order: 19C1401

Date Received: 3/26/2019

Field Sample #: TW-14S_20190326

Sampled: 3/26/2019 09:52

Sample ID: 19C1401-17

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	<1.00	1.00	0.180	µg/L	1		624.1	3/29/19	3/29/19 18:51	LBD
Bromodichloromethane	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 18:51	LBD
Bromoform	<2.00	2.00	0.460	µg/L	1		624.1	3/29/19	3/29/19 18:51	LBD
Bromomethane	<2.00	2.00	0.780	µg/L	1		624.1	3/29/19	3/29/19 18:51	LBD
Carbon Tetrachloride	<2.00	2.00	0.110	µg/L	1		624.1	3/29/19	3/29/19 18:51	LBD
Chlorobenzene	<2.00	2.00	0.150	µg/L	1		624.1	3/29/19	3/29/19 18:51	LBD
Chlorodibromomethane	<2.00	2.00	0.210	µg/L	1		624.1	3/29/19	3/29/19 18:51	LBD
Chloroethane	<2.00	2.00	0.350	µg/L	1		624.1	3/29/19	3/29/19 18:51	LBD
Chloroform	<2.00	2.00	0.170	µg/L	1		624.1	3/29/19	3/29/19 18:51	LBD
Chloromethane	<2.00	2.00	0.450	µg/L	1		624.1	3/29/19	3/29/19 18:51	LBD
1,2-Dichlorobenzene	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 18:51	LBD
1,3-Dichlorobenzene	<2.00	2.00	0.120	µg/L	1		624.1	3/29/19	3/29/19 18:51	LBD
1,4-Dichlorobenzene	<2.00	2.00	0.130	µg/L	1		624.1	3/29/19	3/29/19 18:51	LBD
1,2-Dichloroethane	<2.00	2.00	0.410	µg/L	1		624.1	3/29/19	3/29/19 18:51	LBD
1,1-Dichloroethane	0.760	2.00	0.160	µg/L	1	J	624.1	3/29/19	3/29/19 18:51	LBD
1,1-Dichloroethylene	0.380	2.00	0.320	µg/L	1	J	624.1	3/29/19	3/29/19 18:51	LBD
trans-1,2-Dichloroethylene	<2.00	2.00	0.310	µg/L	1		624.1	3/29/19	3/29/19 18:51	LBD
1,2-Dichloropropane	<2.00	2.00	0.200	µg/L	1		624.1	3/29/19	3/29/19 18:51	LBD
cis-1,3-Dichloropropene	<2.00	2.00	0.130	µg/L	1		624.1	3/29/19	3/29/19 18:51	LBD
trans-1,3-Dichloropropene	<2.00	2.00	0.230	µg/L	1		624.1	3/29/19	3/29/19 18:51	LBD
Ethylbenzene	<2.00	2.00	0.130	µg/L	1		624.1	3/29/19	3/29/19 18:51	LBD
Methyl tert-Butyl Ether (MTBE)	<2.00	2.00	0.250	µg/L	1		624.1	3/29/19	3/29/19 18:51	LBD
Methylene Chloride	<5.00	5.00	0.340	µg/L	1		624.1	3/29/19	3/29/19 18:51	LBD
1,1,2,2-Tetrachloroethane	<2.00	2.00	0.220	µg/L	1		624.1	3/29/19	3/29/19 18:51	LBD
Tetrachloroethylene	<2.00	2.00	0.180	µg/L	1		624.1	3/29/19	3/29/19 18:51	LBD
Toluene	<1.00	1.00	0.140	µg/L	1		624.1	3/29/19	3/29/19 18:51	LBD
1,1,1-Trichloroethane	29.0	2.00	0.200	µg/L	1		624.1	3/29/19	3/29/19 18:51	LBD
1,1,2-Trichloroethane	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 18:51	LBD
Trichloroethylene	<2.00	2.00	0.240	µg/L	1		624.1	3/29/19	3/29/19 18:51	LBD
Trichlorofluoromethane (Freon 11)	<2.00	2.00	0.330	µg/L	1		624.1	3/29/19	3/29/19 18:51	LBD
Vinyl Chloride	<2.00	2.00	0.450	µg/L	1		624.1	3/29/19	3/29/19 18:51	LBD
m+p Xylene	<2.00	2.00	0.300	µg/L	1		624.1	3/29/19	3/29/19 18:51	LBD
o-Xylene	<2.00	2.00	0.170	µg/L	1		624.1	3/29/19	3/29/19 18:51	LBD
Surrogates	% Recovery	Recovery Limits		Flag/Qual						
1,2-Dichloroethane-d4	94.3	70-130				3/29/19 18:51				
Toluene-d8	97.6	70-130				3/29/19 18:51				
4-Bromofluorobenzene	101	70-130				3/29/19 18:51				

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

Project Location: Town of Otselic, NY

Sample Description:

Work Order: 19C1401

Date Received: 3/26/2019

Field Sample #: TW-14I_20190326

Sampled: 3/26/2019 09:55

Sample ID: 19C1401-18

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	<1.00	1.00	0.180	µg/L	1		624.1	3/29/19	3/29/19 19:22	LBD
Bromodichloromethane	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 19:22	LBD
Bromoform	<2.00	2.00	0.460	µg/L	1		624.1	3/29/19	3/29/19 19:22	LBD
Bromomethane	<2.00	2.00	0.780	µg/L	1		624.1	3/29/19	3/29/19 19:22	LBD
Carbon Tetrachloride	<2.00	2.00	0.110	µg/L	1		624.1	3/29/19	3/29/19 19:22	LBD
Chlorobenzene	<2.00	2.00	0.150	µg/L	1		624.1	3/29/19	3/29/19 19:22	LBD
Chlorodibromomethane	<2.00	2.00	0.210	µg/L	1		624.1	3/29/19	3/29/19 19:22	LBD
Chloroethane	<2.00	2.00	0.350	µg/L	1		624.1	3/29/19	3/29/19 19:22	LBD
Chloroform	<2.00	2.00	0.170	µg/L	1		624.1	3/29/19	3/29/19 19:22	LBD
Chloromethane	<2.00	2.00	0.450	µg/L	1		624.1	3/29/19	3/29/19 19:22	LBD
1,2-Dichlorobenzene	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 19:22	LBD
1,3-Dichlorobenzene	<2.00	2.00	0.120	µg/L	1		624.1	3/29/19	3/29/19 19:22	LBD
1,4-Dichlorobenzene	<2.00	2.00	0.130	µg/L	1		624.1	3/29/19	3/29/19 19:22	LBD
1,2-Dichloroethane	<2.00	2.00	0.410	µg/L	1		624.1	3/29/19	3/29/19 19:22	LBD
1,1-Dichloroethane	1.34	2.00	0.160	µg/L	1	J	624.1	3/29/19	3/29/19 19:22	LBD
1,1-Dichloroethylene	0.710	2.00	0.320	µg/L	1	J	624.1	3/29/19	3/29/19 19:22	LBD
trans-1,2-Dichloroethylene	<2.00	2.00	0.310	µg/L	1		624.1	3/29/19	3/29/19 19:22	LBD
1,2-Dichloropropane	<2.00	2.00	0.200	µg/L	1		624.1	3/29/19	3/29/19 19:22	LBD
cis-1,3-Dichloropropene	<2.00	2.00	0.130	µg/L	1		624.1	3/29/19	3/29/19 19:22	LBD
trans-1,3-Dichloropropene	<2.00	2.00	0.230	µg/L	1		624.1	3/29/19	3/29/19 19:22	LBD
Ethylbenzene	<2.00	2.00	0.130	µg/L	1		624.1	3/29/19	3/29/19 19:22	LBD
Methyl tert-Butyl Ether (MTBE)	<2.00	2.00	0.250	µg/L	1		624.1	3/29/19	3/29/19 19:22	LBD
Methylene Chloride	<5.00	5.00	0.340	µg/L	1		624.1	3/29/19	3/29/19 19:22	LBD
1,1,2,2-Tetrachloroethane	<2.00	2.00	0.220	µg/L	1		624.1	3/29/19	3/29/19 19:22	LBD
Tetrachloroethylene	<2.00	2.00	0.180	µg/L	1		624.1	3/29/19	3/29/19 19:22	LBD
Toluene	<1.00	1.00	0.140	µg/L	1		624.1	3/29/19	3/29/19 19:22	LBD
1,1,1-Trichloroethane	36.9	2.00	0.200	µg/L	1		624.1	3/29/19	3/29/19 19:22	LBD
1,1,2-Trichloroethane	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 19:22	LBD
Trichloroethylene	<2.00	2.00	0.240	µg/L	1		624.1	3/29/19	3/29/19 19:22	LBD
Trichlorofluoromethane (Freon 11)	<2.00	2.00	0.330	µg/L	1		624.1	3/29/19	3/29/19 19:22	LBD
Vinyl Chloride	<2.00	2.00	0.450	µg/L	1		624.1	3/29/19	3/29/19 19:22	LBD
m+p Xylene	<2.00	2.00	0.300	µg/L	1		624.1	3/29/19	3/29/19 19:22	LBD
o-Xylene	<2.00	2.00	0.170	µg/L	1		624.1	3/29/19	3/29/19 19:22	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	94.9	70-130	3/29/19 19:22
Toluene-d8	97.8	70-130	3/29/19 19:22
4-Bromofluorobenzene	101	70-130	3/29/19 19:22

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

Project Location: Town of Otselic, NY

Sample Description:

Work Order: 19C1401

Date Received: 3/26/2019

Field Sample #: TW-14D_20190326

Sampled: 3/26/2019 09:58

Sample ID: 19C1401-19

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	<1.00	1.00	0.180	µg/L	1		624.1	3/29/19	3/29/19 19:52	LBD
Bromodichloromethane	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 19:52	LBD
Bromoform	<2.00	2.00	0.460	µg/L	1		624.1	3/29/19	3/29/19 19:52	LBD
Bromomethane	<2.00	2.00	0.780	µg/L	1		624.1	3/29/19	3/29/19 19:52	LBD
Carbon Tetrachloride	<2.00	2.00	0.110	µg/L	1		624.1	3/29/19	3/29/19 19:52	LBD
Chlorobenzene	<2.00	2.00	0.150	µg/L	1		624.1	3/29/19	3/29/19 19:52	LBD
Chlorodibromomethane	<2.00	2.00	0.210	µg/L	1		624.1	3/29/19	3/29/19 19:52	LBD
Chloroethane	<2.00	2.00	0.350	µg/L	1		624.1	3/29/19	3/29/19 19:52	LBD
Chloroform	<2.00	2.00	0.170	µg/L	1		624.1	3/29/19	3/29/19 19:52	LBD
Chloromethane	<2.00	2.00	0.450	µg/L	1		624.1	3/29/19	3/29/19 19:52	LBD
1,2-Dichlorobenzene	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 19:52	LBD
1,3-Dichlorobenzene	<2.00	2.00	0.120	µg/L	1		624.1	3/29/19	3/29/19 19:52	LBD
1,4-Dichlorobenzene	<2.00	2.00	0.130	µg/L	1		624.1	3/29/19	3/29/19 19:52	LBD
1,2-Dichloroethane	<2.00	2.00	0.410	µg/L	1		624.1	3/29/19	3/29/19 19:52	LBD
1,1-Dichloroethane	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 19:52	LBD
1,1-Dichloroethylene	<2.00	2.00	0.320	µg/L	1		624.1	3/29/19	3/29/19 19:52	LBD
trans-1,2-Dichloroethylene	<2.00	2.00	0.310	µg/L	1		624.1	3/29/19	3/29/19 19:52	LBD
1,2-Dichloropropane	<2.00	2.00	0.200	µg/L	1		624.1	3/29/19	3/29/19 19:52	LBD
cis-1,3-Dichloropropene	<2.00	2.00	0.130	µg/L	1		624.1	3/29/19	3/29/19 19:52	LBD
trans-1,3-Dichloropropene	<2.00	2.00	0.230	µg/L	1		624.1	3/29/19	3/29/19 19:52	LBD
Ethylbenzene	<2.00	2.00	0.130	µg/L	1		624.1	3/29/19	3/29/19 19:52	LBD
Methyl tert-Butyl Ether (MTBE)	<2.00	2.00	0.250	µg/L	1		624.1	3/29/19	3/29/19 19:52	LBD
Methylene Chloride	<5.00	5.00	0.340	µg/L	1		624.1	3/29/19	3/29/19 19:52	LBD
1,1,2,2-Tetrachloroethane	<2.00	2.00	0.220	µg/L	1		624.1	3/29/19	3/29/19 19:52	LBD
Tetrachloroethylene	<2.00	2.00	0.180	µg/L	1		624.1	3/29/19	3/29/19 19:52	LBD
Toluene	<1.00	1.00	0.140	µg/L	1		624.1	3/29/19	3/29/19 19:52	LBD
1,1,1-Trichloroethane	8.45	2.00	0.200	µg/L	1		624.1	3/29/19	3/29/19 19:52	LBD
1,1,2-Trichloroethane	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 19:52	LBD
Trichloroethylene	<2.00	2.00	0.240	µg/L	1		624.1	3/29/19	3/29/19 19:52	LBD
Trichlorofluoromethane (Freon 11)	<2.00	2.00	0.330	µg/L	1		624.1	3/29/19	3/29/19 19:52	LBD
Vinyl Chloride	<2.00	2.00	0.450	µg/L	1		624.1	3/29/19	3/29/19 19:52	LBD
m+p Xylene	<2.00	2.00	0.300	µg/L	1		624.1	3/29/19	3/29/19 19:52	LBD
o-Xylene	<2.00	2.00	0.170	µg/L	1		624.1	3/29/19	3/29/19 19:52	LBD
Surrogates	% Recovery	Recovery Limits		Flag/Qual						
1,2-Dichloroethane-d4	95.4	70-130				3/29/19 19:52				
Toluene-d8	98.0	70-130				3/29/19 19:52				
4-Bromofluorobenzene	102	70-130				3/29/19 19:52				

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

Project Location: Town of Otselic, NY

Sample Description:

Work Order: 19C1401

Date Received: 3/26/2019

Field Sample #: TW-15_20190326

Sampled: 3/26/2019 10:55

Sample ID: 19C1401-20

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	<1.00	1.00	0.180	µg/L	1		624.1	3/29/19	3/29/19 20:23	LBD
Bromodichloromethane	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 20:23	LBD
Bromoform	<2.00	2.00	0.460	µg/L	1		624.1	3/29/19	3/29/19 20:23	LBD
Bromomethane	<2.00	2.00	0.780	µg/L	1		624.1	3/29/19	3/29/19 20:23	LBD
Carbon Tetrachloride	<2.00	2.00	0.110	µg/L	1		624.1	3/29/19	3/29/19 20:23	LBD
Chlorobenzene	<2.00	2.00	0.150	µg/L	1		624.1	3/29/19	3/29/19 20:23	LBD
Chlorodibromomethane	<2.00	2.00	0.210	µg/L	1		624.1	3/29/19	3/29/19 20:23	LBD
Chloroethane	<2.00	2.00	0.350	µg/L	1		624.1	3/29/19	3/29/19 20:23	LBD
Chloroform	<2.00	2.00	0.170	µg/L	1		624.1	3/29/19	3/29/19 20:23	LBD
Chloromethane	<2.00	2.00	0.450	µg/L	1		624.1	3/29/19	3/29/19 20:23	LBD
1,2-Dichlorobenzene	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 20:23	LBD
1,3-Dichlorobenzene	<2.00	2.00	0.120	µg/L	1		624.1	3/29/19	3/29/19 20:23	LBD
1,4-Dichlorobenzene	<2.00	2.00	0.130	µg/L	1		624.1	3/29/19	3/29/19 20:23	LBD
1,2-Dichloroethane	<2.00	2.00	0.410	µg/L	1		624.1	3/29/19	3/29/19 20:23	LBD
1,1-Dichloroethane	1.63	2.00	0.160	µg/L	1	J	624.1	3/29/19	3/29/19 20:23	LBD
1,1-Dichloroethylene	0.870	2.00	0.320	µg/L	1	J	624.1	3/29/19	3/29/19 20:23	LBD
trans-1,2-Dichloroethylene	<2.00	2.00	0.310	µg/L	1		624.1	3/29/19	3/29/19 20:23	LBD
1,2-Dichloropropane	<2.00	2.00	0.200	µg/L	1		624.1	3/29/19	3/29/19 20:23	LBD
cis-1,3-Dichloropropene	<2.00	2.00	0.130	µg/L	1		624.1	3/29/19	3/29/19 20:23	LBD
trans-1,3-Dichloropropene	<2.00	2.00	0.230	µg/L	1		624.1	3/29/19	3/29/19 20:23	LBD
Ethylbenzene	<2.00	2.00	0.130	µg/L	1		624.1	3/29/19	3/29/19 20:23	LBD
Methyl tert-Butyl Ether (MTBE)	<2.00	2.00	0.250	µg/L	1		624.1	3/29/19	3/29/19 20:23	LBD
Methylene Chloride	<5.00	5.00	0.340	µg/L	1		624.1	3/29/19	3/29/19 20:23	LBD
1,1,2,2-Tetrachloroethane	<2.00	2.00	0.220	µg/L	1		624.1	3/29/19	3/29/19 20:23	LBD
Tetrachloroethylene	<2.00	2.00	0.180	µg/L	1		624.1	3/29/19	3/29/19 20:23	LBD
Toluene	<1.00	1.00	0.140	µg/L	1		624.1	3/29/19	3/29/19 20:23	LBD
1,1,1-Trichloroethane	35.9	2.00	0.200	µg/L	1		624.1	3/29/19	3/29/19 20:23	LBD
1,1,2-Trichloroethane	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 20:23	LBD
Trichloroethylene	<2.00	2.00	0.240	µg/L	1		624.1	3/29/19	3/29/19 20:23	LBD
Trichlorofluoromethane (Freon 11)	<2.00	2.00	0.330	µg/L	1		624.1	3/29/19	3/29/19 20:23	LBD
Vinyl Chloride	<2.00	2.00	0.450	µg/L	1		624.1	3/29/19	3/29/19 20:23	LBD
m+p Xylene	<2.00	2.00	0.300	µg/L	1		624.1	3/29/19	3/29/19 20:23	LBD
o-Xylene	<2.00	2.00	0.170	µg/L	1		624.1	3/29/19	3/29/19 20:23	LBD
Surrogates	% Recovery	Recovery Limits		Flag/Qual						
1,2-Dichloroethane-d4	94.4	70-130								
Toluene-d8	98.6	70-130								
4-Bromofluorobenzene	103	70-130								

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

Project Location: Town of Otselic, NY

Sample Description:

Work Order: 19C1401

Date Received: 3/26/2019

Field Sample #: TW-X-DUP_20190326

Sampled: 3/26/2019 00:00

Sample ID: 19C1401-21

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	<1.00	1.00	0.180	µg/L	1		624.1	3/29/19	3/29/19 20:54	LBD
Bromodichloromethane	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 20:54	LBD
Bromoform	<2.00	2.00	0.460	µg/L	1		624.1	3/29/19	3/29/19 20:54	LBD
Bromomethane	<2.00	2.00	0.780	µg/L	1		624.1	3/29/19	3/29/19 20:54	LBD
Carbon Tetrachloride	<2.00	2.00	0.110	µg/L	1		624.1	3/29/19	3/29/19 20:54	LBD
Chlorobenzene	<2.00	2.00	0.150	µg/L	1		624.1	3/29/19	3/29/19 20:54	LBD
Chlorodibromomethane	<2.00	2.00	0.210	µg/L	1		624.1	3/29/19	3/29/19 20:54	LBD
Chloroethane	<2.00	2.00	0.350	µg/L	1		624.1	3/29/19	3/29/19 20:54	LBD
Chloroform	<2.00	2.00	0.170	µg/L	1		624.1	3/29/19	3/29/19 20:54	LBD
Chloromethane	<2.00	2.00	0.450	µg/L	1		624.1	3/29/19	3/29/19 20:54	LBD
1,2-Dichlorobenzene	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 20:54	LBD
1,3-Dichlorobenzene	<2.00	2.00	0.120	µg/L	1		624.1	3/29/19	3/29/19 20:54	LBD
1,4-Dichlorobenzene	<2.00	2.00	0.130	µg/L	1		624.1	3/29/19	3/29/19 20:54	LBD
1,2-Dichloroethane	<2.00	2.00	0.410	µg/L	1		624.1	3/29/19	3/29/19 20:54	LBD
1,1-Dichloroethane	1.54	2.00	0.160	µg/L	1	J	624.1	3/29/19	3/29/19 20:54	LBD
1,1-Dichloroethylene	0.970	2.00	0.320	µg/L	1	J	624.1	3/29/19	3/29/19 20:54	LBD
trans-1,2-Dichloroethylene	<2.00	2.00	0.310	µg/L	1		624.1	3/29/19	3/29/19 20:54	LBD
1,2-Dichloropropane	<2.00	2.00	0.200	µg/L	1		624.1	3/29/19	3/29/19 20:54	LBD
cis-1,3-Dichloropropene	<2.00	2.00	0.130	µg/L	1		624.1	3/29/19	3/29/19 20:54	LBD
trans-1,3-Dichloropropene	<2.00	2.00	0.230	µg/L	1		624.1	3/29/19	3/29/19 20:54	LBD
Ethylbenzene	<2.00	2.00	0.130	µg/L	1		624.1	3/29/19	3/29/19 20:54	LBD
Methyl tert-Butyl Ether (MTBE)	<2.00	2.00	0.250	µg/L	1		624.1	3/29/19	3/29/19 20:54	LBD
Methylene Chloride	<5.00	5.00	0.340	µg/L	1		624.1	3/29/19	3/29/19 20:54	LBD
1,1,2,2-Tetrachloroethane	<2.00	2.00	0.220	µg/L	1		624.1	3/29/19	3/29/19 20:54	LBD
Tetrachloroethylene	<2.00	2.00	0.180	µg/L	1		624.1	3/29/19	3/29/19 20:54	LBD
Toluene	<1.00	1.00	0.140	µg/L	1		624.1	3/29/19	3/29/19 20:54	LBD
1,1,1-Trichloroethane	37.0	2.00	0.200	µg/L	1		624.1	3/29/19	3/29/19 20:54	LBD
1,1,2-Trichloroethane	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 20:54	LBD
Trichloroethylene	<2.00	2.00	0.240	µg/L	1		624.1	3/29/19	3/29/19 20:54	LBD
Trichlorofluoromethane (Freon 11)	<2.00	2.00	0.330	µg/L	1		624.1	3/29/19	3/29/19 20:54	LBD
Vinyl Chloride	<2.00	2.00	0.450	µg/L	1		624.1	3/29/19	3/29/19 20:54	LBD
m+p Xylene	<2.00	2.00	0.300	µg/L	1		624.1	3/29/19	3/29/19 20:54	LBD
o-Xylene	<2.00	2.00	0.170	µg/L	1		624.1	3/29/19	3/29/19 20:54	LBD
Surrogates	% Recovery	Recovery Limits		Flag/Qual						
1,2-Dichloroethane-d4	94.2	70-130				3/29/19 20:54				
Toluene-d8	100	70-130				3/29/19 20:54				
4-Bromofluorobenzene	100	70-130				3/29/19 20:54				

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

Project Location: Town of Otselic, NY

Sample Description:

Work Order: 19C1401

Date Received: 3/26/2019

Field Sample #: TRIP BLANK_20190326

Sampled: 3/26/2019 00:00

Sample ID: 19C1401-22

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	<1.00	1.00	0.180	µg/L	1		624.1	3/29/19	3/29/19 13:44	LBD
Bromodichloromethane	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 13:44	LBD
Bromoform	<2.00	2.00	0.460	µg/L	1		624.1	3/29/19	3/29/19 13:44	LBD
Bromomethane	<2.00	2.00	0.780	µg/L	1		624.1	3/29/19	3/29/19 13:44	LBD
Carbon Tetrachloride	<2.00	2.00	0.110	µg/L	1		624.1	3/29/19	3/29/19 13:44	LBD
Chlorobenzene	<2.00	2.00	0.150	µg/L	1		624.1	3/29/19	3/29/19 13:44	LBD
Chlorodibromomethane	<2.00	2.00	0.210	µg/L	1		624.1	3/29/19	3/29/19 13:44	LBD
Chloroethane	<2.00	2.00	0.350	µg/L	1		624.1	3/29/19	3/29/19 13:44	LBD
Chloroform	<2.00	2.00	0.170	µg/L	1		624.1	3/29/19	3/29/19 13:44	LBD
Chloromethane	<2.00	2.00	0.450	µg/L	1		624.1	3/29/19	3/29/19 13:44	LBD
1,2-Dichlorobenzene	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 13:44	LBD
1,3-Dichlorobenzene	<2.00	2.00	0.120	µg/L	1		624.1	3/29/19	3/29/19 13:44	LBD
1,4-Dichlorobenzene	<2.00	2.00	0.130	µg/L	1		624.1	3/29/19	3/29/19 13:44	LBD
1,2-Dichloroethane	<2.00	2.00	0.410	µg/L	1		624.1	3/29/19	3/29/19 13:44	LBD
1,1-Dichloroethane	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 13:44	LBD
1,1-Dichloroethylene	<2.00	2.00	0.320	µg/L	1		624.1	3/29/19	3/29/19 13:44	LBD
trans-1,2-Dichloroethylene	<2.00	2.00	0.310	µg/L	1		624.1	3/29/19	3/29/19 13:44	LBD
1,2-Dichloropropane	<2.00	2.00	0.200	µg/L	1		624.1	3/29/19	3/29/19 13:44	LBD
cis-1,3-Dichloropropene	<2.00	2.00	0.130	µg/L	1		624.1	3/29/19	3/29/19 13:44	LBD
trans-1,3-Dichloropropene	<2.00	2.00	0.230	µg/L	1		624.1	3/29/19	3/29/19 13:44	LBD
Ethylbenzene	<2.00	2.00	0.130	µg/L	1		624.1	3/29/19	3/29/19 13:44	LBD
Methyl tert-Butyl Ether (MTBE)	<2.00	2.00	0.250	µg/L	1		624.1	3/29/19	3/29/19 13:44	LBD
Methylene Chloride	<5.00	5.00	0.340	µg/L	1		624.1	3/29/19	3/29/19 13:44	LBD
1,1,2,2-Tetrachloroethane	<2.00	2.00	0.220	µg/L	1		624.1	3/29/19	3/29/19 13:44	LBD
Tetrachloroethylene	<2.00	2.00	0.180	µg/L	1		624.1	3/29/19	3/29/19 13:44	LBD
Toluene	<1.00	1.00	0.140	µg/L	1		624.1	3/29/19	3/29/19 13:44	LBD
1,1,1-Trichloroethane	<2.00	2.00	0.200	µg/L	1		624.1	3/29/19	3/29/19 13:44	LBD
1,1,2-Trichloroethane	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 13:44	LBD
Trichloroethylene	<2.00	2.00	0.240	µg/L	1		624.1	3/29/19	3/29/19 13:44	LBD
Trichlorofluoromethane (Freon 11)	<2.00	2.00	0.330	µg/L	1		624.1	3/29/19	3/29/19 13:44	LBD
Vinyl Chloride	<2.00	2.00	0.450	µg/L	1		624.1	3/29/19	3/29/19 13:44	LBD
m+p Xylene	<2.00	2.00	0.300	µg/L	1		624.1	3/29/19	3/29/19 13:44	LBD
o-Xylene	<2.00	2.00	0.170	µg/L	1		624.1	3/29/19	3/29/19 13:44	LBD
Surrogates	% Recovery	Recovery Limits		Flag/Qual						
1,2-Dichloroethane-d4	95.2	70-130				3/29/19 13:44				
Toluene-d8	96.0	70-130				3/29/19 13:44				
4-Bromofluorobenzene	102	70-130				3/29/19 13:44				

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

Project Location: Town of Otselic, NY

Sample Description:

Work Order: 19C1401

Date Received: 3/26/2019

Field Sample #: TW-71_20190325

Sampled: 3/25/2019 16:58

Sample ID: 19C1401-23

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	<1.00	1.00	0.180	µg/L	1		624.1	3/29/19	3/29/19 21:25	LBD
Bromodichloromethane	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 21:25	LBD
Bromoform	<2.00	2.00	0.460	µg/L	1		624.1	3/29/19	3/29/19 21:25	LBD
Bromomethane	<2.00	2.00	0.780	µg/L	1		624.1	3/29/19	3/29/19 21:25	LBD
Carbon Tetrachloride	<2.00	2.00	0.110	µg/L	1		624.1	3/29/19	3/29/19 21:25	LBD
Chlorobenzene	<2.00	2.00	0.150	µg/L	1		624.1	3/29/19	3/29/19 21:25	LBD
Chlorodibromomethane	<2.00	2.00	0.210	µg/L	1		624.1	3/29/19	3/29/19 21:25	LBD
Chloroethane	<2.00	2.00	0.350	µg/L	1		624.1	3/29/19	3/29/19 21:25	LBD
Chloroform	<2.00	2.00	0.170	µg/L	1		624.1	3/29/19	3/29/19 21:25	LBD
Chloromethane	<2.00	2.00	0.450	µg/L	1		624.1	3/29/19	3/29/19 21:25	LBD
1,2-Dichlorobenzene	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 21:25	LBD
1,3-Dichlorobenzene	<2.00	2.00	0.120	µg/L	1		624.1	3/29/19	3/29/19 21:25	LBD
1,4-Dichlorobenzene	<2.00	2.00	0.130	µg/L	1		624.1	3/29/19	3/29/19 21:25	LBD
1,2-Dichloroethane	<2.00	2.00	0.410	µg/L	1		624.1	3/29/19	3/29/19 21:25	LBD
1,1-Dichloroethane	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 21:25	LBD
1,1-Dichloroethylene	<2.00	2.00	0.320	µg/L	1		624.1	3/29/19	3/29/19 21:25	LBD
trans-1,2-Dichloroethylene	<2.00	2.00	0.310	µg/L	1		624.1	3/29/19	3/29/19 21:25	LBD
1,2-Dichloropropane	<2.00	2.00	0.200	µg/L	1		624.1	3/29/19	3/29/19 21:25	LBD
cis-1,3-Dichloropropene	<2.00	2.00	0.130	µg/L	1		624.1	3/29/19	3/29/19 21:25	LBD
trans-1,3-Dichloropropene	<2.00	2.00	0.230	µg/L	1		624.1	3/29/19	3/29/19 21:25	LBD
Ethylbenzene	<2.00	2.00	0.130	µg/L	1		624.1	3/29/19	3/29/19 21:25	LBD
Methyl tert-Butyl Ether (MTBE)	<2.00	2.00	0.250	µg/L	1		624.1	3/29/19	3/29/19 21:25	LBD
Methylene Chloride	<5.00	5.00	0.340	µg/L	1		624.1	3/29/19	3/29/19 21:25	LBD
1,1,2,2-Tetrachloroethane	<2.00	2.00	0.220	µg/L	1		624.1	3/29/19	3/29/19 21:25	LBD
Tetrachloroethylene	<2.00	2.00	0.180	µg/L	1		624.1	3/29/19	3/29/19 21:25	LBD
Toluene	<1.00	1.00	0.140	µg/L	1		624.1	3/29/19	3/29/19 21:25	LBD
1,1,1-Trichloroethane	0.940	2.00	0.200	µg/L	1	J	624.1	3/29/19	3/29/19 21:25	LBD
1,1,2-Trichloroethane	<2.00	2.00	0.160	µg/L	1		624.1	3/29/19	3/29/19 21:25	LBD
Trichloroethylene	<2.00	2.00	0.240	µg/L	1		624.1	3/29/19	3/29/19 21:25	LBD
Trichlorofluoromethane (Freon 11)	<2.00	2.00	0.330	µg/L	1		624.1	3/29/19	3/29/19 21:25	LBD
Vinyl Chloride	<2.00	2.00	0.450	µg/L	1		624.1	3/29/19	3/29/19 21:25	LBD
m+p Xylene	<2.00	2.00	0.300	µg/L	1		624.1	3/29/19	3/29/19 21:25	LBD
o-Xylene	<2.00	2.00	0.170	µg/L	1		624.1	3/29/19	3/29/19 21:25	LBD
Surrogates	% Recovery	Recovery Limits		Flag/Qual						
1,2-Dichloroethane-d4	95.6	70-130				3/29/19 21:25				
Toluene-d8	100	70-130				3/29/19 21:25				
4-Bromofluorobenzene	102	70-130				3/29/19 21:25				

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Sample Extraction Data**Prep Method: SW-846 5030B-624.1**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
19C1401-01 [TW-3S_20190326]	B226854	5	5.00	03/28/19
19C1401-02 [TW-3I_20190326]	B226854	5	5.00	03/28/19
19C1401-03 [TW-3D_20190326]	B226854	5	5.00	03/28/19
19C1401-04 [TW-4I_20190326]	B226854	5	5.00	03/28/19
19C1401-05 [TW-5S_20190325]	B226854	5	5.00	03/28/19
19C1401-06 [TW-5I_20190325]	B226854	5	5.00	03/28/19
19C1401-07 [TW-5D_20190325]	B226854	5	5.00	03/28/19
19C1401-08 [TW-6S_20190236]	B226854	5	5.00	03/28/19
19C1401-09 [TW-6I_20190326]	B226854	5	5.00	03/28/19
19C1401-10 [TW-6D_20190326]	B226854	5	5.00	03/28/19

Prep Method: SW-846 5030B-624.1

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
19C1401-11 [TW-7S_20190325]	B226957	5	5.00	03/29/19
19C1401-12 [TW-7D_20190325]	B226957	5	5.00	03/29/19
19C1401-13 [TW-9I_20190326]	B226957	5	5.00	03/29/19
19C1401-15 [TW-12I_20190325]	B226957	5	5.00	03/29/19
19C1401-16 [TW-12D_20190325]	B226957	5	5.00	03/29/19
19C1401-17 [TW-14S_20190326]	B226957	5	5.00	03/29/19
19C1401-18 [TW-14I_20190326]	B226957	5	5.00	03/29/19
19C1401-19 [TW-14D_20190326]	B226957	5	5.00	03/29/19
19C1401-20 [TW-15_20190326]	B226957	5	5.00	03/29/19
19C1401-21 [TW-X-DUP_20190326]	B226957	5	5.00	03/29/19
19C1401-22 [TRIP BLANK_20190326]	B226957	5	5.00	03/29/19
19C1401-23 [TW-7I_20190325]	B226957	5	5.00	03/29/19

Prep Method: SW-846 5030B-624.1

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
19C1401-14 [TW-9D_20190326]	B227086	5	5.00	04/01/19

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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
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Batch B226854 - SW-846 5030B
Blank (B226854-BLK1)

Prepared: 03/28/19 Analyzed: 03/29/19

Benzene	ND	1.00	µg/L							
Bromodichloromethane	ND	2.00	µg/L							
Bromoform	ND	2.00	µg/L							
Bromomethane	ND	2.00	µg/L							
Carbon Tetrachloride	ND	2.00	µg/L							
Chlorobenzene	ND	2.00	µg/L							
Chlorodibromomethane	ND	2.00	µg/L							
Chloroethane	ND	2.00	µg/L							
Chloroform	ND	2.00	µg/L							
Chloromethane	ND	2.00	µg/L							
1,2-Dichlorobenzene	ND	2.00	µg/L							
1,3-Dichlorobenzene	ND	2.00	µg/L							
1,4-Dichlorobenzene	ND	2.00	µg/L							
1,2-Dichloroethane	ND	2.00	µg/L							
1,1-Dichloroethane	ND	2.00	µg/L							
1,1-Dichloroethylene	ND	2.00	µg/L							
trans-1,2-Dichloroethylene	ND	2.00	µg/L							
1,2-Dichloropropane	ND	2.00	µg/L							
cis-1,3-Dichloropropene	ND	2.00	µg/L							
trans-1,3-Dichloropropene	ND	2.00	µg/L							
Ethylbenzene	ND	2.00	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	2.00	µg/L							
Methylene Chloride	ND	5.00	µg/L							L-03
1,1,2,2-Tetrachloroethane	ND	2.00	µg/L							
Tetrachloroethylene	ND	2.00	µg/L							
Toluene	ND	1.00	µg/L							
1,1,1-Trichloroethane	ND	2.00	µg/L							
1,1,2-Trichloroethane	ND	2.00	µg/L							
Trichloroethylene	ND	2.00	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.00	µg/L							
Vinyl Chloride	ND	2.00	µg/L							
m+p Xylene	ND	2.00	µg/L							
o-Xylene	ND	2.00	µg/L							
Surrogate: 1,2-Dichloroethane-d4	23.8		µg/L	25.0		95.0	70-130			
Surrogate: Toluene-d8	24.7		µg/L	25.0		98.8	70-130			
Surrogate: 4-Bromofluorobenzene	25.5		µg/L	25.0		102	70-130			

LCS (B226854-BS1)

Prepared & Analyzed: 03/28/19

Benzene	14	1.00	µg/L	20.0		69.8	65-135			
Bromodichloromethane	18	2.00	µg/L	20.0		88.7	65-135			
Bromoform	19	2.00	µg/L	20.0		93.1	70-130			
Bromomethane	10	2.00	µg/L	20.0		51.0	15-185			
Carbon Tetrachloride	16	2.00	µg/L	20.0		82.3	70-130			
Chlorobenzene	18	2.00	µg/L	20.0		88.2	65-135			
Chlorodibromomethane	19	2.00	µg/L	20.0		92.6	70-135			
Chloroethane	14	2.00	µg/L	20.0		71.2	40-160			
Chloroform	15	2.00	µg/L	20.0		74.4	70-135			
Chloromethane	9.2	2.00	µg/L	20.0		46.0	20-205			
1,2-Dichlorobenzene	17	2.00	µg/L	20.0		86.0	65-135			
1,3-Dichlorobenzene	17	2.00	µg/L	20.0		86.6	70-130			
1,4-Dichlorobenzene	17	2.00	µg/L	20.0		83.2	65-135			
1,2-Dichloroethane	17	2.00	µg/L	20.0		83.3	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
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Batch B226854 - SW-846 5030B

LCS (B226854-BS1)

Prepared & Analyzed: 03/28/19

1,1-Dichloroethane	14	2.00	µg/L	20.0		70.6	70-130			
1,1-Dichloroethylene	16	2.00	µg/L	20.0		80.8	50-150			
trans-1,2-Dichloroethylene	14	2.00	µg/L	20.0		72.3	70-130			
1,2-Dichloropropane	14	2.00	µg/L	20.0		71.5	35-165			
cis-1,3-Dichloropropene	16	2.00	µg/L	20.0		81.6	25-175			
trans-1,3-Dichloropropene	17	2.00	µg/L	20.0		85.0	50-150			
Ethylbenzene	16	2.00	µg/L	20.0		81.8	60-140			
Methyl tert-Butyl Ether (MTBE)	15	2.00	µg/L	20.0		76.4	70-130			
Methylene Chloride	11	5.00	µg/L	20.0		55.4	* 60-140			L-03
1,1,2,2-Tetrachloroethane	18	2.00	µg/L	20.0		89.5	60-140			
Tetrachloroethylene	20	2.00	µg/L	20.0		97.8	70-130			
Toluene	16	1.00	µg/L	20.0		80.5	70-130			
1,1,1-Trichloroethane	16	2.00	µg/L	20.0		79.6	70-130			
1,1,2-Trichloroethane	17	2.00	µg/L	20.0		86.0	70-130			
Trichloroethylene	17	2.00	µg/L	20.0		83.6	65-135			
Trichlorofluoromethane (Freon 11)	15	2.00	µg/L	20.0		76.6	50-150			
Vinyl Chloride	13	2.00	µg/L	20.0		62.8	5-195			
m+p Xylene	34	2.00	µg/L	40.0		83.9	70-130			
o-Xylene	17	2.00	µg/L	20.0		83.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	23.1		µg/L	25.0		92.4	70-130			
Surrogate: Toluene-d8	24.7		µg/L	25.0		98.8	70-130			
Surrogate: 4-Bromofluorobenzene	25.7		µg/L	25.0		103	70-130			

Batch B226957 - SW-846 5030B

Blank (B226957-BLK1)

Prepared & Analyzed: 03/29/19

Benzene	ND	1.00	µg/L							
Bromodichloromethane	ND	2.00	µg/L							
Bromoform	ND	2.00	µg/L							
Bromomethane	ND	2.00	µg/L							
Carbon Tetrachloride	ND	2.00	µg/L							
Chlorobenzene	ND	2.00	µg/L							
Chlorodibromomethane	ND	2.00	µg/L							
Chloroethane	ND	2.00	µg/L							
Chloroform	ND	2.00	µg/L							
Chloromethane	ND	2.00	µg/L							
1,2-Dichlorobenzene	ND	2.00	µg/L							
1,3-Dichlorobenzene	ND	2.00	µg/L							
1,4-Dichlorobenzene	ND	2.00	µg/L							
1,2-Dichloroethane	ND	2.00	µg/L							
1,1-Dichloroethane	ND	2.00	µg/L							
1,1-Dichloroethylene	ND	2.00	µg/L							
trans-1,2-Dichloroethylene	ND	2.00	µg/L							
1,2-Dichloropropane	ND	2.00	µg/L							
cis-1,3-Dichloropropene	ND	2.00	µg/L							
trans-1,3-Dichloropropene	ND	2.00	µg/L							
Ethylbenzene	ND	2.00	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	2.00	µg/L							
Methylene Chloride	ND	5.00	µg/L							
1,1,2,2-Tetrachloroethane	ND	2.00	µg/L							
Tetrachloroethylene	ND	2.00	µg/L							
Toluene	ND	1.00	µg/L							
1,1,1-Trichloroethane	ND	2.00	µg/L							

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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 B226957 - SW-846 5030B										
Blank (B226957-BLK1)										
Prepared & Analyzed: 03/29/19										
1,1,2-Trichloroethane	ND	2.00	µg/L							
Trichloroethylene	ND	2.00	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.00	µg/L							
Vinyl Chloride	ND	2.00	µg/L							
m+p Xylene	ND	2.00	µg/L							
o-Xylene	ND	2.00	µg/L							
Surrogate: 1,2-Dichloroethane-d4	23.9		µg/L	25.0		95.7	70-130			
Surrogate: Toluene-d8	24.3		µg/L	25.0		97.1	70-130			
Surrogate: 4-Bromofluorobenzene	25.2		µg/L	25.0		101	70-130			
LCS (B226957-BS1)										
Prepared & Analyzed: 03/29/19										
Benzene	17	1.00	µg/L	20.0		83.0	65-135			
Bromodichloromethane	20	2.00	µg/L	20.0		102	65-135			
Bromoform	21	2.00	µg/L	20.0		104	70-130			
Bromomethane	14	2.00	µg/L	20.0		71.2	15-185			
Carbon Tetrachloride	21	2.00	µg/L	20.0		103	70-130			
Chlorobenzene	20	2.00	µg/L	20.0		101	65-135			
Chlorodibromomethane	21	2.00	µg/L	20.0		106	70-135			
Chloroethane	18	2.00	µg/L	20.0		92.2	40-160			
Chloroform	18	2.00	µg/L	20.0		88.6	70-135			
Chloromethane	13	2.00	µg/L	20.0		65.2	20-205			
1,2-Dichlorobenzene	19	2.00	µg/L	20.0		96.0	65-135			
1,3-Dichlorobenzene	20	2.00	µg/L	20.0		98.8	70-130			
1,4-Dichlorobenzene	19	2.00	µg/L	20.0		96.5	65-135			
1,2-Dichloroethane	20	2.00	µg/L	20.0		99.0	70-130			
1,1-Dichloroethane	17	2.00	µg/L	20.0		85.3	70-130			
1,1-Dichloroethylene	20	2.00	µg/L	20.0		102	50-150			
trans-1,2-Dichloroethylene	18	2.00	µg/L	20.0		88.2	70-130			
1,2-Dichloropropane	17	2.00	µg/L	20.0		86.1	35-165			
cis-1,3-Dichloropropene	20	2.00	µg/L	20.0		98.2	25-175			
trans-1,3-Dichloropropene	20	2.00	µg/L	20.0		102	50-150			
Ethylbenzene	19	2.00	µg/L	20.0		96.0	60-140			
Methyl tert-Butyl Ether (MTBE)	18	2.00	µg/L	20.0		90.6	70-130			
Methylene Chloride	13	5.00	µg/L	20.0		66.9	60-140			
1,1,2,2-Tetrachloroethane	20	2.00	µg/L	20.0		100	60-140			
Tetrachloroethylene	23	2.00	µg/L	20.0		114	70-130			
Toluene	19	1.00	µg/L	20.0		94.0	70-130			
1,1,1-Trichloroethane	20	2.00	µg/L	20.0		98.0	70-130			
1,1,2-Trichloroethane	20	2.00	µg/L	20.0		100	70-130			
Trichloroethylene	20	2.00	µg/L	20.0		98.5	65-135			
Trichlorofluoromethane (Freon 11)	20	2.00	µg/L	20.0		101	50-150			
Vinyl Chloride	17	2.00	µg/L	20.0		84.6	5-195			
m+p Xylene	39	2.00	µg/L	40.0		98.0	70-130			
o-Xylene	20	2.00	µg/L	20.0		97.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	23.1		µg/L	25.0		92.6	70-130			
Surrogate: Toluene-d8	24.7		µg/L	25.0		98.6	70-130			
Surrogate: 4-Bromofluorobenzene	25.1		µg/L	25.0		100	70-130			

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

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 B227086 - SW-846 5030B
Blank (B227086-BLK1)

Prepared: 04/01/19 Analyzed: 04/03/19

Benzene	ND	1.00	µg/L							
Bromodichloromethane	ND	2.00	µg/L							
Bromoform	ND	2.00	µg/L							
Bromomethane	ND	2.00	µg/L							
Carbon Tetrachloride	ND	2.00	µg/L							
Chlorobenzene	ND	2.00	µg/L							
Chlorodibromomethane	ND	2.00	µg/L							
Chloroethane	ND	2.00	µg/L							
Chloroform	ND	2.00	µg/L							
Chloromethane	ND	2.00	µg/L							
1,2-Dichlorobenzene	ND	2.00	µg/L							
1,3-Dichlorobenzene	ND	2.00	µg/L							
1,4-Dichlorobenzene	ND	2.00	µg/L							
1,2-Dichloroethane	ND	2.00	µg/L							
1,1-Dichloroethane	ND	2.00	µg/L							
1,1-Dichloroethylene	ND	2.00	µg/L							
trans-1,2-Dichloroethylene	ND	2.00	µg/L							
1,2-Dichloropropane	ND	2.00	µg/L							
cis-1,3-Dichloropropene	ND	2.00	µg/L							
trans-1,3-Dichloropropene	ND	2.00	µg/L							
Ethylbenzene	ND	2.00	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	2.00	µg/L							
Methylene Chloride	ND	5.00	µg/L							
1,1,1,2-Tetrachloroethane	ND	2.00	µg/L							
Tetrachloroethylene	ND	2.00	µg/L							
Toluene	ND	1.00	µg/L							
1,1,1-Trichloroethane	ND	2.00	µg/L							
1,1,2-Trichloroethane	ND	2.00	µg/L							
Trichloroethylene	ND	2.00	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.00	µg/L							
Vinyl Chloride	ND	2.00	µg/L							
m+p Xylene	ND	2.00	µg/L							
o-Xylene	ND	2.00	µg/L							
Surrogate: 1,2-Dichloroethane-d4	23.5		µg/L	25.0		93.8	70-130			
Surrogate: Toluene-d8	24.7		µg/L	25.0		98.8	70-130			
Surrogate: 4-Bromofluorobenzene	25.9		µg/L	25.0		104	70-130			

LCS (B227086-BS1)

Prepared: 04/01/19 Analyzed: 04/02/19

Benzene	17	1.00	µg/L	20.0		84.2	65-135			
Bromodichloromethane	21	2.00	µg/L	20.0		106	65-135			
Bromoform	22	2.00	µg/L	20.0		112	70-130			
Bromomethane	14	2.00	µg/L	20.0		70.4	15-185			
Carbon Tetrachloride	21	2.00	µg/L	20.0		103	70-130			
Chlorobenzene	20	2.00	µg/L	20.0		102	65-135			
Chlorodibromomethane	22	2.00	µg/L	20.0		111	70-135			
Chloroethane	18	2.00	µg/L	20.0		87.6	40-160			
Chloroform	18	2.00	µg/L	20.0		90.8	70-135			
Chloromethane	12	2.00	µg/L	20.0		57.6	20-205			
1,2-Dichlorobenzene	19	2.00	µg/L	20.0		96.4	65-135			
1,3-Dichlorobenzene	20	2.00	µg/L	20.0		98.3	70-130			
1,4-Dichlorobenzene	19	2.00	µg/L	20.0		94.0	65-135			
1,2-Dichloroethane	20	2.00	µg/L	20.0		101	70-130			

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

QUALITY CONTROL
Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD Limit	Notes
Batch B227086 - SW-846 5030B								
LCS (B227086-BS1)			Prepared: 04/01/19 Analyzed: 04/02/19					
1,1-Dichloroethane	17	2.00	µg/L	20.0		84.0	70-130	
1,1-Dichloroethylene	20	2.00	µg/L	20.0		102	50-150	
trans-1,2-Dichloroethylene	18	2.00	µg/L	20.0		87.9	70-130	
1,2-Dichloropropane	17	2.00	µg/L	20.0		84.9	35-165	
cis-1,3-Dichloropropene	19	2.00	µg/L	20.0		96.5	25-175	
trans-1,3-Dichloropropene	20	2.00	µg/L	20.0		100	50-150	
Ethylbenzene	19	2.00	µg/L	20.0		95.0	60-140	
Methyl tert-Butyl Ether (MTBE)	19	2.00	µg/L	20.0		92.6	70-130	
Methylene Chloride	13	5.00	µg/L	20.0		64.6	60-140	
1,1,2,2-Tetrachloroethane	20	2.00	µg/L	20.0		101	60-140	
Tetrachloroethylene	23	2.00	µg/L	20.0		116	70-130	
Toluene	19	1.00	µg/L	20.0		95.3	70-130	
1,1,1-Trichloroethane	20	2.00	µg/L	20.0		99.8	70-130	
1,1,2-Trichloroethane	20	2.00	µg/L	20.0		101	70-130	
Trichloroethylene	20	2.00	µg/L	20.0		98.0	65-135	
Trichlorofluoromethane (Freon 11)	20	2.00	µg/L	20.0		99.9	50-150	
Vinyl Chloride	16	2.00	µg/L	20.0		77.8	5-195	
m+p Xylene	39	2.00	µg/L	40.0		96.7	70-130	
o-Xylene	20	2.00	µg/L	20.0		99.1	70-130	
Surrogate: 1,2-Dichloroethane-d4	23.2		µg/L	25.0		92.7	70-130	
Surrogate: Toluene-d8	24.8		µg/L	25.0		99.4	70-130	
Surrogate: 4-Bromofluorobenzene	26.0		µg/L	25.0		104	70-130	

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

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.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
L-03	Laboratory fortified blank/laboratory control sample recovery is outside of control limits. Reported value for this compound is likely to be biased on the low side.

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
624.1 in Water	
Benzene	CT,NY,MA,NH,RI,NC,ME,VA
Bromodichloromethane	CT,NY,MA,NH,RI,NC,ME,VA
Bromoform	CT,NY,MA,NH,RI,NC,ME,VA
Bromomethane	CT,NY,MA,NH,RI,NC,ME,VA
Carbon Tetrachloride	CT,NY,MA,NH,RI,NC,ME,VA
Chlorobenzene	CT,NY,MA,NH,RI,NC,ME,VA
Chlorodibromomethane	CT,NY,MA,NH,RI,NC,ME,VA
Chloroethane	CT,NY,MA,NH,RI,NC,ME,VA
Chloroform	CT,NY,MA,NH,RI,NC,ME,VA
Chloromethane	CT,NY,MA,NH,RI,NC,ME,VA
1,2-Dichlorobenzene	CT,NY,MA,NH,RI,NC,ME,VA
1,3-Dichlorobenzene	CT,NY,MA,NH,RI,NC,ME,VA
1,4-Dichlorobenzene	CT,NY,MA,NH,RI,NC,ME,VA
1,2-Dichloroethane	CT,NY,MA,NH,RI,NC,ME,VA
1,1-Dichloroethane	CT,NY,MA,NH,RI,NC,ME,VA
1,1-Dichloroethylene	CT,NY,MA,NH,RI,NC,ME,VA
trans-1,2-Dichloroethylene	CT,NY,MA,NH,RI,NC,ME,VA
1,2-Dichloropropane	CT,NY,MA,NH,RI,NC,ME,VA
cis-1,3-Dichloropropene	CT,NY,MA,NH,RI,NC,ME,VA
trans-1,3-Dichloropropene	CT,NY,MA,NH,RI,NC,ME,VA
Ethylbenzene	CT,NY,MA,NH,RI,NC,ME,VA
Methyl tert-Butyl Ether (MTBE)	NY,MA,NH,NC
Methylene Chloride	CT,NY,MA,NH,RI,NC,ME,VA
1,1,2,2-Tetrachloroethane	CT,NY,MA,NH,RI,NC,ME,VA
Tetrachloroethylene	CT,NY,MA,NH,RI,NC,ME,VA
Toluene	CT,NY,MA,NH,RI,NC,ME,VA
1,1,1-Trichloroethane	CT,NY,MA,NH,RI,NC,ME,VA
1,1,2-Trichloroethane	CT,NY,MA,NH,RI,NC,ME,VA
Trichloroethylene	CT,NY,MA,NH,RI,NC,ME,VA
Trichlorofluoromethane (Freon 11)	CT,NY,MA,NH,RI,NC,ME,VA
Vinyl Chloride	CT,NY,MA,NH,RI,NC,ME,VA
m+p Xylene	CT,NY,MA,NH,RI,NC
o-Xylene	CT,NY,MA,NH,RI,NC

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

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2020
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2020
RI	Rhode Island Department of Health	LAO00112	12/30/2019
NC	North Carolina Div. of Water Quality	652	12/31/2019
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2019
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019



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19C1401

CHAIN OF CUSTODY RECORD (New York)

39 Spruce Street
East Longmeadow, MA 01028

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Doc # 380 Rev 1_03242017

Company Name: **ADCA DIS**
Address: **855 Route 146 Suite 210**
Phone: **646-248-4208**
Project Name: **GLASSING DRIDGE**
Project Location: **TOWN OF OTSEGO, NY**
Project Number: **00266406.0000**
Project Manager: **ANDY VITOINS**
Con-Test Quote Name/Number: **J. WILLIAMS / A. THOMAS**

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date: **STANDARD**

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

Data Delivery
Format: PDF ☒ EXCEL ☒
Other: ☐

GLP Like Data Pkg Required: ☐
Email To: **Jasmine Mullins**
Fax To: **@jacaratis.com**

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
1	TW-3S-20190326	03/26/19 0935	03/26/19 0935			✓ GW	3
2	TW-3I-20190326	03/26/19 0938	03/26/19 0938			✓ GW	3
3	TW-3D-20190326	03/26/19 0941	03/26/19 0941			✓ GW	3
4	TW-4I-20190326	03/26/19 1010	03/26/19 1010			✓ GW	3
5	TW-5S-20190325	03/25/19 1640	03/25/19 1640			✓ GW	3
6	TW-5I-20190325	03/25/19 1643	03/25/19 1643			✓ GW	3
7	TW-5D-20190325	03/25/19 1646	03/25/19 1646			✓ GW	3
8	TW-6S-20190326	03/26/19 0857	03/26/19 0857			✓ GW	3
9	TW-6I-20190326	03/26/19 0859	03/26/19 0859			✓ GW	3
10	TW-6D-20190326	03/26/19 0901	03/26/19 0901			✓ GW	3

Comments:

2 COVERS

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) Jasmine Mullins	Date/Time: 3/26/19 1337	AWQ STDS ☐ NYC Sewer Discharge ☐ Part 360 GW (Landfill) ☐ NY Restricted Use ☐ NY Unrestricted Use ☐ NY Part 375 ☐	NY TOGS ☒ NY CP-51 ☐	Enhanced Data Package ☐ NYSDEC EQUIS EDD ☒ EQUIS (Standard) EDD ☐ NY Regulatory EDD ☐ NY Regs Hits-Only EDD ☐	Deliverables
Relinquished by: (signature) J. Williams	Date/Time: 3-26-19 1337				
Relinquished by: (signature) J. Williams	Date/Time: 3-27-19 1225				
Relinquished by: (signature) J. Williams	Date/Time: 3-27-19 1325				
Relinquished by: (signature) J. Williams	Date/Time: 3-27/19 14:45				
Relinquished by: (signature) J. Williams	Date/Time: 3/27/19 14:45				

Project Entity
Government ☐ Federal ☐ City ☐
Municipality ☐ 21 J ☐ Brownfield ☐
Other ☐ WRTA ☐ MWRA ☐ School ☐ MBTA ☐
Chromatogram ☐ AIHA-LAP, LLC ☐

Other: ☐ NELAP and AIHA-LAP, LLC Accredited



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19C1401

CHAIN OF CUSTODY RECORD (New York)

39 Spruce Street
East Longmeadow, MA 01028

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Doc # 380 Rev 1.03242017

ALB

Company Name: **ARCADIS**
Address: **855 Route 146 Suite 210**
Phone: **646-248-4208**
Project Name: **GLASSBORO CORDAGE**
Project Location: **TOWN OF ORSELIC, NY**
Project Number: **00266406.0000**
Project Manager: **ANDY VITOYINS**
Con-Test Quote Name/Number:
Invoice Recipient: **JEREMY WILCOFF**
Sampled By: **J. MULLINS / A. THOMAS**

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
11	TW-7S-20190325	03/25/19 16:55				✓ GW	
12	TW-7D-20190325	03/24/19 17:01				✓ GW	
13	TW-9I-20190326	03/24/19 09:18				✓ GW	
14	TW-9D-20190326	03/24/19 09:20				✓ GW	
15	TW-12I-20190325	03/25/19 16:15				✓ GW	
16	TW-12D-20190325	03/25/19 16:18				✓ GW	
17	TW-14S-20190326	03/24/19 09:52				✓ GW	
18	TW-14I-20190326	03/24/19 09:55				✓ GW	
19	TW-14D-20190326	03/26/19 09:58				✓ GW	
20	TW-15-20190326	03/26/19 10:55				✓ GW	

Comments:

2 coolers

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:
Received by: (signature)	3/26/19 13:37
Relinquished by: (signature)	Date/Time:
Received by: (signature)	3-26-19 13:37
Relinquished by: (signature)	Date/Time:
Received by: (signature)	3-27-19 12:50
Relinquished by: (signature)	Date/Time:
Received by: (signature)	3-27-19 13:25
Relinquished by: (signature)	Date/Time:
Received by: (signature)	3-27-19 14:45
Relinquished by: (signature)	Date/Time:
Received by: (signature)	3-27-19 14:45

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# of Containers	
2 Preservation Code	
3 Container Code	
Dissolved Metals Samples	
☐ Field Filtered	
☐ Lab to Filter	
Orthophosphate Samples	
☐ Field Filtered	
☐ Lab to Filter	
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)	
PCB ONLY	
☐ Soxhlet	
☐ Non Soxhlet	

Table of Contents



Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

19C1401

CHAIN OF CUSTODY RECORD (New York)

39 Spruce Street
East Longmeadow, MA 01028

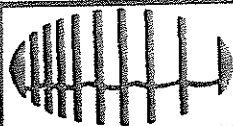
Page 3 of 3

Doc # 380 Rev 1 03/24/2017

Table of Contents

Company Name: ALB Address: 855 Route 146 Suite 210 Phone: 646-248-4208 Project Name: GLASSBORO CORP Project Location: TOWN OF OTSEUIL, NY Project Number: 0006406-0000 Project Manager: ANDY VITOLINS Con-Test Quote Name/Number: Invoice Recipient: JEREMY WYCKOFF Sampled By: JAMULINS/A. THOMAS		Requested Turnaround Time 7-Day ☐ 10-Day ☐ Due Date: STANDARD Rush Approval Required 1-Day ☐ 3-Day ☐ 2-Day ☐ 4-Day ☐ Data Delivery Format: PDF ☒ EXCEL ☒ Other: CLP Like Data Pkg Required: ☐ Email To: JAMULINS@ALB.COM Fax To #: 646-248-4208		ANALYSIS REQUESTED		# of Containers 2 Preservation Code 3 Container Code	
Matrix Codes: GW = Ground Water WW = Waste Water DW = Drinking Water A = Air S = Soil SL = Sludge SOL = Solid O = Other (please define)		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)		Container Codes: A = Amber Glass G = Glass P = Plastic ST = Sterile V = Vial S = Summa Canister T = Tedlar Bag O = Other (please define)		PCB ONLY Soxhlet Non Soxhlet	
Comments: 2 COOLERS		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		Enhanced Data Package ☐ Enhanced Data Package ☐ NYSEDEC EQuIS EDD ☐ EQuIS (Standard) EDD ☐ NY Regulatory EDD ☐ NY Regs Hits-Only EDD		Other Chromatogram AIHA-LAP, LLC	
Relinquished by (signature): [Signature]		Date/Time: 3/26/19 13:37		Program & Regulatory Information ☒ NY TOGS ☐ NY CP-51		Project Entity Government ☐ Municipality ☐ WRTA ☐ Federal ☐ 21 J ☐ School ☐ City ☐ Brownfield ☐ MBTA ☐	
Received by (signature): [Signature]		Date/Time: 3-26-19 13:37		☐ AMQS STDS ☐ NYC Sewer Discharge ☐ Part 360 GW (Landfill) ☐ NY Restricted Use ☐ NY Unrestricted Use ☐ NY Part 375		Other NELAC and AIHA-LAP, LLC Accredited	
Relinquished by (signature): [Signature]		Date/Time: 3-27-19 12:25 PM		☐ Other		Project Entity Government ☐ Municipality ☐ WRTA ☐ Federal ☐ 21 J ☐ School ☐ City ☐ Brownfield ☐ MBTA ☐	
Received by (signature): [Signature]		Date/Time: 3-27-19 14:45		☐ Other		Project Entity Government ☐ Municipality ☐ WRTA ☐ Federal ☐ 21 J ☐ School ☐ City ☐ Brownfield ☐ MBTA ☐	
Relinquished by (signature): [Signature]		Date/Time: 3-27-19 14:45		☐ Other		Project Entity Government ☐ Municipality ☐ WRTA ☐ Federal ☐ 21 J ☐ School ☐ City ☐ Brownfield ☐ MBTA ☐	
Received by (signature): [Signature]		Date/Time: 3-27-19 14:45		☐ Other		Project Entity Government ☐ Municipality ☐ WRTA ☐ Federal ☐ 21 J ☐ School ☐ City ☐ Brownfield ☐ MBTA ☐	

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



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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 Arcaadis
 Received By MP Date 3/27/19 Time 14:45
 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 # 5 Actual Temp - 3.5, 2.4
 By Blank # _____ Actual Temp - _____
 Was Custody Seal Intact? N/A Were Samples Tampered with? N/A
 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 Client T Analysis T Sampler Name T
 pertinent Information? Project T ID's T Collection Dates/Times T
 Are Sample labels filled out and legible? T
 Are there Lab to Filters? F
 Are there Rushes? F
 Are there Short Holds? F
 Is there enough Volume? T
 Is there Headspace where applicable? F
 Proper Media/Containers Used? T
 Were trip blanks received? T
 Do all samples have the proper pH? N/A Acid _____ Base _____
 MS/MSD? F
 Is splitting samples required? F
 On COC? T

Vials	#	Containers:	#	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-	<u>68</u>	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:

APPENDIX D

Groundwater Monitoring Well Inspection Forms



Groundwater Monitoring Well Inspection

Site/Project Name: Gladding Cordage Project Number: 00266406.0000
Date of Inspection: 3/12/2019 Inspector: J. Mullins
Well Designation: TW-1
Well Location: East of building

Outward Appearance

Flushmount Diameter inches N/A ☒
Approximate Stickup Height 22 feet N/A ☐
Integrity of Protective Casing Describe: Good; intact
Protective Casing Material Steel ☒ Stainless Steel ☐ Other
Protective Casing Width or Dia. 4 inches
Weep Hole in Protective Casing Yes ☐ No ☒
Surface Seal/Apron Material Cement ☐ Bentonite ☐ Not apparent ☒ Other
Integrity of Surface Seal/Apron Describe:
Surface Drainage Away from Wellhead ☐ Toward Wellhead ☐
Bollards Present? Yes ☐ No ☒ Describe:
Well ID. Visible? Yes ☒ No ☐ Describe: On casing
Lock Present and Functional? Yes ☒ No ☐ Describe:
Photograph Taken? Photo # Yes ☐ No ☒ Describe:

Inner Appearance

Integrity of Well Casing Describe: Good; intact
Integrity of Cap Seal Describe: Good
Surface Water in Casing? Yes ☐ No ☒ Describe:
Well Casing Diameter 2 inches
Well Casing Material PVC ☒ Steel ☐ Stainless Steel ☐
Inner Cap Threaded ☒ Slip ☐ Expansion Plug ☐ None ☐
Reference/Measuring Point Groove ☐ Indelible Mark ☒ None ☐
Evidence of Double Casing? Yes ☐ No ☒ Describe:

Downhole

Odor Yes ☐ No ☒ Describe:
PID Reading 0.0 ppm
Depth to Water (to top of casing) 7.60 feet (nearest 0.01) Depth to LNAPL feet (nearest 0.01) N/A ☒
Total Well Depth (to top of casing) 14.65 feet (nearest 0.1)
Sediment (Hard/Soft Bottom) Describe: Hard bottom

Additional Comments:

Groundwater Monitoring Well Inspection

Site/Project Name: Gladding Cordage Project Number: 00266406.0000
Date of Inspection: 3/12/2019 Inspector: J. Mullins
Well Designation: TW-2S
Well Location: East of building

Outward Appearance

Flushmount Diameter inches N/A ☒
Approximate Stickup Height 2.5 feet N/A ☐
Integrity of Protective Casing Describe: Good, intact
Protective Casing Material Steel ☒ Stainless Steel ☐ Other
Protective Casing Width or Dia. 4 inches
Weep Hole in Protective Casing Yes ☐ No ☒
Surface Seal/Apron Material Cement ☐ Bentonite ☐ Not apparent ☒ Other
Integrity of Surface Seal/Apron Describe:
Surface Drainage Away from Wellhead ☒ Toward Wellhead ☐
Bollards Present? Yes ☐ No ☒ Describe:
Well ID. Visible? Yes ☒ No ☐ Describe: ON casing
Lock Present and Functional? Yes ☐ No ☐ Describe:
Photograph Taken? Photo # Yes ☐ No ☒ Describe:

Inner Appearance

Integrity of Well Casing Describe: Good, intact
Integrity of Cap Seal Describe: Good
Surface Water in Casing? Yes ☐ No ☒ Describe:
Well Casing Diameter 2 inches
Well Casing Material PVC ☒ Steel ☐ Stainless Steel ☐
Inner Cap Threaded ☒ Slip ☐ Expansion Plug ☐ None ☐
Reference/Measuring Point Groove ☐ Indelible Mark ☐ None ☒
Evidence of Double Casing? Yes ☐ No ☒ Describe:

Downhole

Odor Yes ☐ No ☒ Describe:
PID Reading 0.0 ppm
Depth to Water (to top of casing) 8.57 feet (nearest 0.01) Depth to LNAPL feet (nearest 0.01) N/A ☒
Total Well Depth (to top of casing) 13.23 feet (nearest 0.1)
Sediment (Hard/Soft Bottom) Describe: Hard bottom

Additional Comments:

Orange/iron precip. on probe.

Groundwater Monitoring Well Inspection

Site/Project Name: Gladding Cordage Project Number: 00266406.0000
 Date of Inspection: 3/12/2019 Inspector: J. Mullins
 Well Designation: TW-2I
 Well Location: East of building

Outward Appearance

Flushmount Diameter _____ inches N/A [☒]
 Approximate Stickup Height ~2 feet N/A [☐]
 Integrity of Protective Casing Describe: Good; intact
 Protective Casing Material Steel [☒] Stainless Steel [☐] Other _____
 Protective Casing Width or Dia. 4 inches
 Weep Hole in Protective Casing Yes [☐] No [☒]
 Surface Seal/Apron Material Cement [☐] Bentonite [☐] Not apparent [☒] Other _____
 Integrity of Surface Seal/Apron Describe: _____
 Surface Drainage Away from Wellhead [☒] Toward Wellhead [☐]
 Bollards Present? Yes [☐] No [☒] Describe: _____
 Well ID. Visible? Yes [☒] No [☐] Describe: On casing
 Lock Present and Functional? Yes [☒] No [☐] Describe: _____
 Photograph Taken? Photo # Yes [☐] No [☒] Describe: _____

Inner Appearance

Integrity of Well Casing Describe: Good; intact
 Integrity of Cap Seal Describe: Good
 Surface Water in Casing? Yes [☐] No [☒] Describe: _____
 Well Casing Diameter 2 inches
 Well Casing Material PVC [☐] Steel [☐] Stainless Steel [☒]
 Inner Cap Threaded [☐] Slip [☒] Expansion Plug [☐] None [☐]
 Reference/Measuring Point Groove [☐] Indelible Mark [☐] None [☒]
 Evidence of Double Casing? Yes [☐] No [☒] Describe: _____

Downhole

Odor Yes [☐] No [☒] Describe: _____
 PID Reading 0.0 ppm
 Depth to Water (to top of casing) 8.24 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A [☒]
 Total Well Depth (to top of casing) 55.33 feet (nearest 0.1)
 Sediment (Hard/Soft Bottom) Describe: Soft bottom

Additional Comments:

Site/Project Name: Gladding Cordage Project Number: 00266406.0000Date of Inspection: 3/12/2019 Inspector: J. MullinsWell Designation: TW-2DWell Location: East of building**Outward Appearance**

Flushmount Diameter _____ inches N/A [☒]
 Approximate Stickup Height 2.5 feet N/A [☐]
 Integrity of Protective Casing Describe: Good; intact
 Protective Casing Material Steel [☒] Stainless Steel [☐] Other _____
 Protective Casing Width or Dia. 4 inches
 Weep Hole in Protective Casing Yes [☐] No [☒]
 Surface Seal/Apron Material Cement [☐] Bentonite [☐] Not apparent [☒] Other _____
 Integrity of Surface Seal/Apron Describe: _____
 Surface Drainage Away from Wellhead [☒] Toward Wellhead [☐]
 Bollards Present? Yes [☐] No [☒] Describe: _____
 Well ID. Visible? Yes [☒] No [☐] Describe: ON casing
 Lock Present and Functional? Yes [☒] No [☐] Describe: _____
 Photograph Taken? Photo # Yes [☐] No [☒] Describe: _____

Inner Appearance

Integrity of Well Casing Describe: Good; intact & slightly warped
 Integrity of Cap Seal Describe: Good
 Surface Water in Casing? Yes [☐] No [☒] Describe: _____
 Well Casing Diameter 2 inches
 Well Casing Material PVC [☐] Steel [☐] Stainless Steel [☒]
 Inner Cap Threaded [☐] Slip [☒] Expansion Plug [☐] None [☐]
 Reference/Measuring Point Groove [☐] Indelible Mark [☐] None [☒]
 Evidence of Double Casing? Yes [☐] No [☒] Describe: _____

Downhole

Odor Yes [☐] No [☒] Describe: _____
 PID Reading 0.0 ppm
 Depth to Water (to top of casing) 8.53 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A [☒]
 Total Well Depth (to top of casing) 93.82 feet (nearest 0.1)
 Sediment (Hard/Soft Bottom) Describe: Soft bottom

Additional Comments:

Groundwater Monitoring Well Inspection

Site/Project Name: Gladding Cordage Project Number: 00266406.0000

Date of Inspection: 3/12/2019 Inspector: J. Mullins

Well Designation: TW-35

Well Location: Southeast of building; adjacent to pavilion

Outward Appearance

Flushmount Diameter _____ inches N/A ☒

Approximate Stickup Height ~3 feet N/A ☐

Integrity of Protective Casing Describe: Good; intact

Protective Casing Material Steel ☒ Stainless Steel ☐ Other _____

Protective Casing Width or Dia. 4 inches

Weep Hole in Protective Casing Yes ☐ No ☒

Surface Seal/Apron Material Cement ☒ Bentonite ☐ Not apparent ☐ Other _____

Integrity of Surface Seal/Apron Describe: Good

Surface Drainage Away from Wellhead ☐ Toward Wellhead ☒

Bollards Present? Yes ☐ No ☒ Describe: _____

Well ID. Visible? Yes ☒ No ☐ Describe: ON CASING

Lock Present and Functional? Yes ☒ No ☐ Describe: _____

Photograph Taken? Photo # Yes ☐ No ☒ Describe: _____

Inner Appearance

Integrity of Well Casing Describe: Good; intact

Integrity of Cap Seal Describe: Good

Surface Water in Casing? Yes ☐ No ☒ Describe: _____

Well Casing Diameter 2 inches

Well Casing Material PVC ☒ Steel ☐ Stainless Steel ☐

Inner Cap Threaded ☒ Slip ☐ Expansion Plug ☐ None ☐

Reference/Measuring Point Groove ☐ Indelible Mark ☒ None ☐

Evidence of Double Casing? Yes ☐ No ☒ Describe: _____

Downhole

Odor Yes ☐ No ☒ Describe: _____

PID Reading 0.0 ppm

Depth to Water (to top of casing) 9.97 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A ☒

Total Well Depth (to top of casing) 17.60 feet (nearest 0.1)

Sediment (Hard/Soft Bottom) Describe: Hard bottom

Additional Comments:

Groundwater Monitoring Well Inspection

Site/Project Name: Gladding Cordage Project Number: 00266406.0000

Date of Inspection: 3/12/2019 Inspector: J. Mullins

Well Designation: TW-3I

Well Location: Southeast of building; adjacent to pavilion

Outward Appearance

Flushmount Diameter _____ inches N/A [☒]
 Approximate Stickup Height ≈ 3 feet N/A [☐]
 Integrity of Protective Casing Describe: Good; intact
 Protective Casing Material Steel [☒] Stainless Steel [☐] Other _____
 Protective Casing Width or Dia. 4 inches
 Weep Hole in Protective Casing Yes [☐] No [☒]
 Surface Seal/Apron Material Cement [☒] Bentonite [☐] Not apparent [☐] Other _____
 Integrity of Surface Seal/Apron Describe: Good
 Surface Drainage Away from Wellhead [☐] Toward Wellhead [☒]
 Bollards Present? Yes [☐] No [☒] Describe: _____
 Well ID. Visible? Yes [☒] No [☐] Describe: On casing
 Lock Present and Functional? Yes [☒] No [☐] Describe: _____
 Photograph Taken? Photo # Yes [☐] No [☒] Describe: _____

Inner Appearance

Integrity of Well Casing Describe: Good; intact
 Integrity of Cap Seal Describe: Good
 Surface Water in Casing? Yes [☐] No [☒] Describe: _____
 Well Casing Diameter 2 inches
 Well Casing Material PVC [☐] Steel [☒] Stainless Steel [☐]
 Inner Cap Threaded [☐] Slip [☒] Expansion Plug [☐] None [☐]
 Reference/Measuring Point Groove [☐] Indelible Mark [☒] None [☐]
 Evidence of Double Casing? Yes [☐] No [☒] Describe: _____

Downhole

Odor Yes [☐] No [☒] Describe: _____
 PID Reading 0.0 ppm
 Depth to Water (to top of casing) 9.22 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A [☒]
 Total Well Depth (to top of casing) 58.02 feet (nearest 0.1)
 Sediment (Hard/Soft Bottom) Describe: Soft bottom

Additional Comments:

Groundwater Monitoring Well Inspection

Site/Project Name: Gladding Cordage Project Number: 00266406.0000

Date of Inspection: 3/12/2019 Inspector: J. Mullins

Well Designation: TW-3D

Well Location: Southeast of buildings; adjacent to pavilion

Outward Appearance

Flushmount Diameter _____ inches N/A ☒

Approximate Stickup Height 2.2 feet N/A ☐

Integrity of Protective Casing Describe: Good; intact

Protective Casing Material Steel ☒ Stainless Steel ☐ Other _____

Protective Casing Width or Dia. 4 inches

Weep Hole in Protective Casing Yes ☐ No ☒

Surface Seal/Apron Material Cement ☒ Bentonite ☐ Not apparent ☐ Other _____

Integrity of Surface Seal/Apron Describe: Good

Surface Drainage Away from Wellhead ☐ Toward Wellhead ☒

Bollards Present? Yes ☐ No ☐ Describe: _____

Well ID. Visible? Yes ☒ No ☐ Describe: On casing

Lock Present and Functional? Yes ☒ No ☐ Describe: _____

Photograph Taken? Photo # Yes ☐ No ☒ Describe: _____

Inner Appearance

Integrity of Well Casing Describe: Good; intact

Integrity of Cap Seal Describe: Good

Surface Water in Casing? Yes ☐ No ☒ Describe: _____

Well Casing Diameter 2 inches

Well Casing Material PVC ☐ Steel ☒ Stainless Steel ☐

Inner Cap Threaded ☐ Slip ☒ Expansion Plug ☐ None ☐

Reference/Measuring Point Groove ☐ Indelible Mark ☐ None ☒

Evidence of Double Casing? Yes ☐ No ☒ Describe: _____

Downhole

Odor Yes ☐ No ☒ Describe: _____

PID Reading 0.0 ppm

Depth to Water (to top of casing) 9.46 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A ☒

Total Well Depth (to top of casing) 100.72 feet (nearest 0.1)

Sediment (Hard/Soft Bottom) Describe: Soft bottom

Additional Comments:

Groundwater Monitoring Well Inspection

Site/Project Name: Gladding Cordage Project Number: 00266406.0000

Date of Inspection: 3/14/19 Inspector: JRW

Well Designation: W4I

Well Location: Corner of RT 13 & Driveway

Outward Appearance

Flushmount Diameter 8 inches N/A []
 Approximate Stickup Height _____ feet N/A ☒
 Integrity of Protective Casing Describe: Good
 Protective Casing Material Steel ☒ Stainless Steel [] Other _____
 Protective Casing Width or Dia. 4 inches
 Weep Hole in Protective Casing Yes [] No ☒
 Surface Seal/Apron Material Cement ☒ Bentonite [] Not apparent [] Other _____
 Integrity of Surface Seal/Apron Describe: Good
 Surface Drainage Away from Wellhead [] Toward Wellhead [] Flat
 Bollards Present? Yes [] No ☒ Describe: _____
 Well ID. Visible? Yes ☒ No [] Describe: _____
 Lock Present and Functional? Yes [] No ☒ Describe: No Lock
 Photograph Taken? Photo # Yes [] No ☒ Describe: _____

Inner Appearance

Integrity of Well Casing Describe: Good
 Integrity of Cap Seal Describe: Good
 Surface Water in Casing? Yes [] No ☒ Describe: _____
 Well Casing Diameter 2 inches
 Well Casing Material PVC ☒ Steel [] Stainless Steel []
 Inner Cap Threaded [] Slip [] Expansion Plug ☒ None []
 Reference/Measuring Point Groove [] Indelible Mark ☒ None []
 Evidence of Double Casing? Yes [] No ☒ Describe: _____

Downhole

Odor Yes [] No ☒ Describe: _____
 PID Reading 0.0 ppm
 Depth to Water (to top of casing) 6.71 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A ☒
 Total Well Depth (to top of casing) 67.20 feet (nearest 0.1)
 Sediment (Hard/Soft Bottom) Describe: SOFT BOTTOM

Additional Comments:

Groundwater Monitoring Well Inspection

Site/Project Name: Gladding Cordage Project Number: 00266406.0000

Date of Inspection: 3/12/2019 Inspector: J. Mullins

Well Designation: Tw-SS

Well Location: Behind church; South side of Gladding

Outward Appearance

Flushmount Diameter _____ inches N/A ☒

Approximate Stickup Height 2 feet N/A ☐

Integrity of Protective Casing Describe: Good; intact

Protective Casing Material Steel ☒ Stainless Steel ☐ Other _____

Protective Casing Width or Dia. 4 inches

Weep Hole in Protective Casing Yes ☐ No ☒

Surface Seal/Apron Material Cement ☐ Bentonite ☐ Not apparent ☒ Other _____

Integrity of Surface Seal/Apron Describe: _____

Surface Drainage Away from Wellhead ☒ Toward Wellhead ☐

Bollards Present? Yes ☐ No ☒ Describe: _____

Well ID. Visible? Yes ☒ No ☐ Describe: On casing

Lock Present and Functional? Yes ☒ No ☐ Describe: _____

Photograph Taken? Photo # Yes ☐ No ☒ Describe: _____

Inner Appearance

Integrity of Well Casing Describe: Good; intact

Integrity of Cap Seal Describe: Good

Surface Water in Casing? Yes ☐ No ☒ Describe: _____

Well Casing Diameter 2 inches

Well Casing Material PVC ☒ Steel ☐ Stainless Steel ☐

Inner Cap Threaded ☐ Slip ☐ Expansion Plug ☒ None ☐

Reference/Measuring Point Groove ☐ Indelible Mark ☐ None ☒

Evidence of Double Casing? Yes ☐ No ☒ Describe: _____

Downhole

Odor Yes ☐ No ☒ Describe: _____

PID Reading 0.0 ppm

Depth to Water (to top of casing) 8.49 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A ☒

Total Well Depth (to top of casing) 22.80 feet (nearest 0.1)

Sediment (Hard/Soft Bottom) Describe: Hard bottom

Additional Comments:

Groundwater Monitoring Well Inspection

Site/Project Name: Gladding Cordage Project Number: 00266406.0000
Date of Inspection: 3/12/2019 Inspector: J. Mullins
Well Designation: TW-SI
Well Location: Behind chueeh; South side of Gladding

Outward Appearance

Flushmount Diameter _____ inches N/A ☒
Approximate Stickup Height 22 feet N/A ☐
Integrity of Protective Casing Describe: Good; intact
Protective Casing Material Steel ☒ Stainless Steel ☐ Other _____
Protective Casing Width or Dia. 4 inches
Weep Hole in Protective Casing Yes ☐ No ☒
Surface Seal/Apron Material Cement ☐ Bentonite ☐ Not apparent ☒ Other _____
Integrity of Surface Seal/Apron Describe: _____
Surface Drainage Away from Wellhead ☒ Toward Wellhead ☐
Bollards Present? Yes ☐ No ☒ Describe: _____
Well ID. Visible? Yes ☒ No ☐ Describe: On casing
Lock Present and Functional? Yes ☒ No ☐ Describe: _____
Photograph Taken? Photo # Yes ☐ No ☒ Describe: _____

Inner Appearance

Integrity of Well Casing Describe: Good; intact
Integrity of Cap Seal Describe: Good
Surface Water in Casing? Yes ☐ No ☒ Describe: _____
Well Casing Diameter 2 inches
Well Casing Material PVC ☒ Steel ☐ Stainless Steel ☐
Inner Cap Threaded ☐ Slip ☐ Expansion Plug ☒ None ☐
Reference/Measuring Point Groove ☐ Indelible Mark ☐ None ☒
Evidence of Double Casing? Yes ☐ No ☒ Describe: _____

Downhole

Odor Yes ☐ No ☒ Describe: _____
PID Reading 0.0 ppm
Depth to Water (to top of casing) 8.85 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A ☒
Total Well Depth (to top of casing) 70.83 feet (nearest 0.1)
Sediment (Hard/Soft Bottom) Describe: Soft bottom

Additional Comments:

Replaced lock; bends in well so will need heavier PDB
weight than 3 oz.

Groundwater Monitoring Well Inspection

Site/Project Name: Gladding Cordage Project Number: 00266406.0000

Date of Inspection: 3/12/2019 Inspector: J. Mullins

Well Designation: TW-STD

Well Location: Behind chuzch; South side of Gladding

Outward Appearance

Flushmount Diameter _____ inches N/A ☒

Approximate Stickup Height 2.5 feet N/A ☐

Integrity of Protective Casing Describe: Good; intact

Protective Casing Material Steel ☒ Stainless Steel ☐ Other _____

Protective Casing Width or Dia. 4 inches

Weep Hole in Protective Casing Yes ☐ No ☒

Surface Seal/Apron Material Cement ☒ Bentonite ☐ Not apparent ☐ Other _____

Integrity of Surface Seal/Apron Describe: Good

Surface Drainage Away from Wellhead ☐ Toward Wellhead ☒

Bollards Present? Yes ☐ No ☒ Describe: _____

Well ID. Visible? Yes ☒ No ☐ Describe: On casing

Lock Present and Functional? Yes ☒ No ☐ Describe: _____

Photograph Taken? Photo # Yes ☐ No ☒ Describe: _____

Inner Appearance

Integrity of Well Casing Describe: Good; intact

Integrity of Cap Seal Describe: Good

Surface Water in Casing? Yes ☐ No ☒ Describe: _____

Well Casing Diameter 2 inches

Well Casing Material PVC ☐ Steel ☐ Stainless Steel ☒

Inner Cap Threaded ☐ Slip ☒ Expansion Plug ☐ None ☐

Reference/Measuring Point Groove ☐ Indelible Mark ☒ None ☐

Evidence of Double Casing? Yes ☐ No ☒ Describe: _____

Downhole

Odor Yes ☐ No ☒ Describe: _____

PID Reading 0.0 ppm

Depth to Water (to top of casing) 9.39 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A ☒

Total Well Depth (to top of casing) 90.41 feet (nearest 0.1)

Sediment (Hard/Soft Bottom) Describe: Soft bottom

Additional Comments:

Groundwater Monitoring Well Inspection

Site/Project Name: Gladding Cordage Project Number: 00266406.0000

Date of Inspection: 3/12/2019 Inspector: J. Mullins

Well Designation: TW-6S

Well Location: Right of House 129 in TOWN Court Grass Area

Outward Appearance

Flushmount Diameter 8 inches N/A []
 Approximate Stickup Height _____ feet N/A []
 Integrity of Protective Casing Describe: Good; intact
 Protective Casing Material Steel [] Stainless Steel [] Other _____
 Protective Casing Width or Dia. 4 inches
 Weep Hole in Protective Casing Yes [] No []
 Surface Seal/Apron Material Cement [] Bentonite [] Not apparent [] Other _____
 Integrity of Surface Seal/Apron Describe: Good
 Surface Drainage Away from Wellhead [] Toward Wellhead []
 Bollards Present? Yes [] No [] Describe: _____
 Well ID. Visible? Yes [] No [] Describe: ON well casing
 Lock Present and Functional? Yes [] No [] Describe: Flush mount
 Photograph Taken? Photo # Yes [] No [] Describe: _____

Inner Appearance

Integrity of Well Casing Describe: Good; intact
 Integrity of Cap Seal Describe: Good
 Surface Water in Casing? Yes [] No [] Describe: _____
 Well Casing Diameter 2 inches
 Well Casing Material PVC [] Steel [] Stainless Steel []
 Inner Cap Threaded [] Slip [] Expansion Plug [] None []
 Reference/Measuring Point Groove [] Indelible Mark [] None []
 Evidence of Double Casing? Yes [] No [] Describe: Steel casing around PVC

Downhole

Odor Yes [] No [] Describe: _____
 PID Reading 0.0 ppm
 Depth to Water (to top of casing) 6.75 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A []
 Total Well Depth (to top of casing) 22.30 feet (nearest 0.1)
 Sediment (Hard/Soft Bottom) Describe: Soft bottom

Additional Comments:

Bolts missing; expansion plug replaced

Groundwater Monitoring Well Inspection

Site/Project Name: Gladding Cordage Project Number: 00266406.0000
Date of Inspection: 3/12/2019 Inspector: J. Mullins
Well Designation: TW-6I
Well Location: Next to Town Hall

Outward Appearance

Flushmount Diameter 8 inches N/A []
Approximate Stickup Height _____ feet N/A []
Integrity of Protective Casing Describe: Good; intact
Protective Casing Material Steel [] Stainless Steel [] Other _____
Protective Casing Width or Dia. 4 inches
Weep Hole in Protective Casing Yes [] No []
Surface Seal/Apron Material Cement [] Bentonite [] Not apparent [] Other _____
Integrity of Surface Seal/Apron Describe: Good
Surface Drainage Away from Wellhead [] Toward Wellhead []
Bollards Present? Yes [] No [] Describe: _____
Well ID. Visible? Yes [] No [] Describe: On cap
Lock Present and Functional? Yes [] No [] Describe: Flush mount
Photograph Taken? Photo # Yes [] No [] Describe: _____

Inner Appearance

Integrity of Well Casing Describe: Good; intact
Integrity of Cap Seal Describe: Good
Surface Water in Casing? Yes [] No [] Describe: _____
Well Casing Diameter 2 inches
Well Casing Material PVC [] Steel [] Stainless Steel []
Inner Cap Threaded [] Slip [] Expansion Plug [] None []
Reference/Measuring Point Groove [] Indelible Mark [] None []
Evidence of Double Casing? Yes [] No [] Describe: Steel 4" Casing

Downhole

Odor Yes [] No [] Describe: _____
PID Reading 0.0 ppm
Depth to Water (to top of casing) 7.48 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A []
Total Well Depth (to top of casing) 68.65 feet (nearest 0.1)
Sediment (Hard/Soft Bottom) Describe: Soft bottom

Additional Comments:

Groundwater Monitoring Well Inspection

Site/Project Name: Gladding Cordage Project Number: 00266406.0000

Date of Inspection: 3/12/2019 Inspector: J. Mullins

Well Designation: TW-6D

Well Location: _____

Outward Appearance

Flushmount Diameter 3.8 inches N/A []
 Approximate Stickup Height _____ feet N/A []
 Integrity of Protective Casing Describe: Good; intact
 Protective Casing Material Steel [] Stainless Steel [] Other _____
 Protective Casing Width or Dia. 4 inches
 Weep Hole in Protective Casing Yes [] No []
 Surface Seal/Apron Material Cement [] Bentonite [] Not apparent [] Other _____
 Integrity of Surface Seal/Apron Describe: Good
 Surface Drainage Away from Wellhead [] Toward Wellhead []
 Bollards Present? Yes [] No [] Describe: _____
 Well ID. Visible? Yes [] No [] Describe: On cap
 Lock Present and Functional? Yes [] No [] Describe: Flush mount
 Photograph Taken? Photo # Yes [] No [] Describe: _____

Inner Appearance

Integrity of Well Casing Describe: Good; intact
 Integrity of Cap Seal Describe: Good
 Surface Water in Casing? Yes [] No [] Describe: _____
 Well Casing Diameter 2 inches
 Well Casing Material PVC [] Steel [] Stainless Steel []
 Inner Cap Threaded [] Slip [] Expansion Plug [] None []
 Reference/Measuring Point Groove [] Indelible Mark [] None []
 Evidence of Double Casing? Yes [] No [] Describe: Steel 4" casing

Downhole

Odor Yes [] No [] Describe: _____
 PID Reading 0.0 ppm
 Depth to Water (to top of casing) 7.23 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A []
 Total Well Depth (to top of casing) 98.65 feet (nearest 0.1)
 Sediment (Hard/Soft Bottom) Describe: Soft bottom

Additional Comments:

Groundwater Monitoring Well Inspection

Site/Project Name: Gladding Cordage Project Number: 00266406.0000
Date of Inspection: 3/12/2019 Inspector: J. Mullins
Well Designation: TW-7S
Well Location: West side of building

Outward Appearance

Flushmount Diameter _____ inches N/A ☒
Approximate Stickup Height 22.5 feet N/A ☐
Integrity of Protective Casing Describe: Good; intact
Protective Casing Material Steel ☒ Stainless Steel ☐ Other _____
Protective Casing Width or Dia. 4 inches
Weep Hole in Protective Casing Yes ☐ No ☒
Surface Seal/Apron Material Cement ☒ Bentonite ☐ Not apparent ☐ Other _____
Integrity of Surface Seal/Apron Describe: FAIR; minor cracks
Surface Drainage Away from Wellhead ☒ Toward Wellhead ☐
Bollards Present? Yes ☐ No ☒ Describe: _____
Well ID. Visible? Yes ☒ No ☐ Describe: ON casing
Lock Present and Functional? Yes ☒ No ☐ Describe: _____
Photograph Taken? Photo # Yes ☐ No ☒ Describe: _____

Inner Appearance

Integrity of Well Casing Describe: Good; intact
Integrity of Cap Seal Describe: Good
Surface Water in Casing? Yes ☐ No ☒ Describe: _____
Well Casing Diameter 2 inches
Well Casing Material PVC ☐ Steel ☒ Stainless Steel ☐
Inner Cap Threaded ☐ Slip ☒ Expansion Plug ☐ None ☐
Reference/Measuring Point Groove ☐ Indelible Mark ☒ None ☐
Evidence of Double Casing? Yes ☐ No ☒ Describe: _____

Downhole

Odor Yes ☐ No ☒ Describe: _____
PID Reading 0.0 ppm
Depth to Water (to top of casing) 8.91 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A ☒
Total Well Depth (to top of casing) 18.11 feet (nearest 0.1)
Sediment (Hard/Soft Bottom) Describe: Hard bottom

Additional Comments:

Groundwater Monitoring Well Inspection

Site/Project Name: Gladding Cordage Project Number: 00266406.0000
 Date of Inspection: 3/12/2019 Inspector: J. Mullins
 Well Designation: TW-7I
 Well Location: West side of building

Outward Appearance

Flushmount Diameter _____ inches N/A ☒
 Approximate Stickup Height 2.5 feet N/A ☐
 Integrity of Protective Casing Describe: Good; intact
 Protective Casing Material Steel ☒ Stainless Steel ☐ Other _____
 Protective Casing Width or Dia. 4 inches
 Weep Hole in Protective Casing Yes ☐ No ☒
 Surface Seal/Apron Material Cement ☒ Bentonite ☐ Not apparent ☐ Other _____
 Integrity of Surface Seal/Apron Describe: Fair; minor cracks
 Surface Drainage Away from Wellhead ☒ Toward Wellhead ☐
 Bollards Present? Yes ☐ No ☒ Describe: _____
 Well ID. Visible? Yes ☒ No ☐ Describe: On casing
 Lock Present and Functional? Yes ☒ No ☐ Describe: _____
 Photograph Taken? Photo # Yes ☐ No ☒ Describe: _____

Inner Appearance

Integrity of Well Casing Describe: Good; intact
 Integrity of Cap Seal Describe: Good
 Surface Water in Casing? Yes ☐ No ☒ Describe: _____
 Well Casing Diameter 2 inches
 Well Casing Material PVC ☐ Steel ☐ Stainless Steel ☒
 Inner Cap Threaded ☐ Slip ☒ Expansion Plug ☐ None ☐
 Reference/Measuring Point Groove ☐ Indelible Mark ☐ None ☒
 Evidence of Double Casing? Yes ☐ No ☒ Describe: _____

Downhole

Odor Yes ☐ No ☒ Describe: _____
 PID Reading 0.0 ppm
 Depth to Water (to top of casing) 9.59 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A ☒
 Total Well Depth (to top of casing) 55.75 feet (nearest 0.1)
 Sediment (Hard/Soft Bottom) Describe: Soft bottom

Additional Comments:

Groundwater Monitoring Well Inspection

Site/Project Name: Gladding Cordage Project Number: 00266406.0000
 Date of Inspection: 3/12/2019 Inspector: J. Mullins
 Well Designation: TW-7D
 Well Location: West side of building

Outward Appearance

Flushmount Diameter _____ inches N/A ☒
 Approximate Stickup Height 2 feet N/A ☐
 Integrity of Protective Casing Describe: Good; intact
 Protective Casing Material Steel ☒ Stainless Steel ☐ Other _____
 Protective Casing Width or Dia. 4 inches
 Weep Hole in Protective Casing Yes ☐ No ☒
 Surface Seal/Apron Material Cement ☒ Bentonite ☐ Not apparent ☐ Other _____
 Integrity of Surface Seal/Apron Describe: Good
 Surface Drainage Away from Wellhead ☒ Toward Wellhead ☐
 Bollards Present? Yes ☐ No ☒ Describe: _____
 Well ID. Visible? Yes ☒ No ☐ Describe: On casing
 Lock Present and Functional? Yes ☒ No ☐ Describe: _____
 Photograph Taken? Photo # Yes ☐ No ☒ Describe: _____

Inner Appearance

Integrity of Well Casing Describe: Good; intact
 Integrity of Cap Seal Describe: Good
 Surface Water in Casing? Yes ☐ No ☒ Describe: _____
 Well Casing Diameter 2 inches
 Well Casing Material PVC ☐ Steel ☐ Stainless Steel ☒
 Inner Cap Threaded ☐ Slip ☐ Expansion Plug ☒ None ☐
 Reference/Measuring Point Groove ☐ Indelible Mark ☒ None ☐
 Evidence of Double Casing? Yes ☐ No ☒ Describe: _____

Downhole

Odor Yes ☐ No ☒ Describe: _____
 PID Reading 0.0 ppm
 Depth to Water (to top of casing) 9.39 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A ☒
 Total Well Depth (to top of casing) 79.95 feet (nearest 0.1)
 Sediment (Hard/Soft Bottom) Describe: Soft bottom

Additional Comments:

Groundwater Monitoring Well Inspection

Site/Project Name: Gladding Cordage Project Number: 00266406.0000
 Date of Inspection: 3/12/2019 Inspector: J. Mullins
 Well Designation: TW-9I
 Well Location: Maple Ave; by white Gladding sign

Outward Appearance

Flushmount Diameter _____ inches N/A ☒
 Approximate Stickup Height ≈ 1 feet N/A ☐
 Integrity of Protective Casing Describe: Good; intact
 Protective Casing Material Steel ☒ Stainless Steel ☐ Other _____
 Protective Casing Width or Dia. 4 inches
 Weep Hole in Protective Casing Yes ☐ No ☒
 Surface Seal/Apron Material Cement ☒ Bentonite ☐ Not apparent ☐ Other _____
 Integrity of Surface Seal/Apron Describe: FAIR; minor cracks
 Surface Drainage Away from Wellhead ☒ Toward Wellhead ☐
 Bollards Present? Yes ☐ No ☒ Describe: _____
 Well ID. Visible? Yes ☒ No ☐ Describe: On casing
 Lock Present and Functional? Yes ☒ No ☐ Describe: _____
 Photograph Taken? Photo # Yes ☐ No ☒ Describe: _____

Inner Appearance

Integrity of Well Casing Describe: Good; intact
 Integrity of Cap Seal Describe: Good
 Surface Water in Casing? Yes ☐ No ☒ Describe: _____
 Well Casing Diameter 2 inches
 Well Casing Material PVC ☐ Steel ☒ Stainless Steel ☐
 Inner Cap Threaded ☐ Slip ☒ Expansion Plug ☐ None ☐
 Reference/Measuring Point Groove ☐ Indelible Mark ☒ None ☐
 Evidence of Double Casing? Yes ☐ No ☒ Describe: _____

Downhole

Odor Yes ☐ No ☒ Describe: _____
 PID Reading 0.0 ppm
 Depth to Water (to top of casing) 10.30 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A ☒
 Total Well Depth (to top of casing) 63.51 feet (nearest 0.1)
 Sediment (Hard/Soft Bottom) Describe: Soft bottom

Additional Comments:

Groundwater Monitoring Well Inspection

Site/Project Name: Gladding Cordage Project Number: 00266406.0000

Date of Inspection: 3/12/2019 Inspector: J. Mullins

Well Designation: TW-9D

Well Location: Maple Ave; by white Gladding sign

Outward Appearance

Flushmount Diameter _____ inches N/A [☒]
 Approximate Stickup Height ~1.5 feet N/A [☐]
 Integrity of Protective Casing Describe: Good; intact
 Protective Casing Material Steel [☒] Stainless Steel [☐] Other _____
 Protective Casing Width or Dia. 4 inches
 Weep Hole in Protective Casing Yes [☐] No [☒]
 Surface Seal/Apron Material Cement [☒] Bentonite [☐] Not apparent [☐] Other _____
 Integrity of Surface Seal/Apron Describe: Good
 Surface Drainage Away from Wellhead [☐] Toward Wellhead [☐]
 Bollards Present? Yes [☐] No [☒] Describe: _____
 Well ID. Visible? Yes [☒] No [☐] Describe: On casing
 Lock Present and Functional? Yes [☒] No [☐] Describe: _____
 Photograph Taken? Photo # Yes [☐] No [☒] Describe: _____

Inner Appearance

Integrity of Well Casing Describe: Good; intact
 Integrity of Cap Seal Describe: Good
 Surface Water in Casing? Yes [☐] No [☒] Describe: _____
 Well Casing Diameter 2 inches
 Well Casing Material PVC [☐] Steel [☐] Stainless Steel [☒]
 Inner Cap Threaded [☐] Slip [☒] Expansion Plug [☐] None [☐]
 Reference/Measuring Point Groove [☐] Indelible Mark [☐] None [☐]
 Evidence of Double Casing? Yes [☐] No [☒] Describe: _____

Downhole

Odor Yes [☐] No [☒] Describe: _____
 PID Reading 0.0 ppm
 Depth to Water (to top of casing) 10.81 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A [☒]
 Total Well Depth (to top of casing) 85.08 feet (nearest 0.1)
 Sediment (Hard/Soft Bottom) Describe: soft bottom

Additional Comments:

Groundwater Monitoring Well Inspection

Site/Project Name: Gladding Cordage Project Number: 00266406.0000
 Date of Inspection: 3/12/2019 Inspector: J. Mullins
 Well Designation: TW-12I
 Well Location: NYSDEC Fish hatchery

Outward Appearance

Flushmount Diameter _____ inches N/A ☒
 Approximate Stickup Height 2 feet N/A ☐
 Integrity of Protective Casing Describe: Good, intact
 Protective Casing Material Steel ☒ Stainless Steel ☐ Other _____
 Protective Casing Width or Dia. 4 inches
 Weep Hole in Protective Casing Yes ☐ No ☒
 Surface Seal/Apron Material Cement ☒ Bentonite ☐ Not apparent ☐ Other _____
 Integrity of Surface Seal/Apron Describe: Good
 Surface Drainage Away from Wellhead ☐ Toward Wellhead ☐
 Bollards Present? Yes ☐ No ☒ Describe: _____
 Well ID. Visible? Yes ☒ No ☐ Describe: On casing
 Lock Present and Functional? Yes ☒ No ☐ Describe: _____
 Photograph Taken? Photo # Yes ☐ No ☒ Describe: _____

Inner Appearance

Integrity of Well Casing Describe: Good, intact
 Integrity of Cap Seal Describe: Good
 Surface Water in Casing? Yes ☐ No ☐ Describe: _____
 Well Casing Diameter _____ inches
 Well Casing Material PVC ☐ Steel ☐ Stainless Steel ☐
 Inner Cap Threaded ☐ Slip ☐ Expansion Plug ☐ None ☐
 Reference/Measuring Point Groove ☐ Indelible Mark ☐ None ☐
 Evidence of Double Casing? Yes ☐ No ☐ Describe: _____

Downhole

Odor Yes ☐ No ☐ Describe: _____
 PID Reading 0.0 ppm
 Depth to Water (to top of casing) 8.05 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A ☒
 Total Well Depth (to top of casing) 70.02 feet (nearest 0.1)
 Sediment (Hard/Soft Bottom) Describe: Soft bottom

Additional Comments:

Groundwater Monitoring Well Inspection

Site/Project Name: Gladding Cordage Project Number: 00266406.0000
Date of Inspection: 3/12/2019 Inspector: J. Mullins
Well Designation: TW-12D
Well Location: NYSDDEC Fish Hatchery

Outward Appearance

Flushmount Diameter _____ inches N/A ☒
Approximate Stickup Height ≈ 2 feet N/A ☐
Integrity of Protective Casing Describe: Good; intact
Protective Casing Material Steel ☒ Stainless Steel ☐ Other _____
Protective Casing Width or Dia. 4 inches
Weep Hole in Protective Casing Yes ☐ No ☒
Surface Seal/Apron Material Cement ☒ Bentonite ☐ Not apparent ☐ Other _____
Integrity of Surface Seal/Apron Describe: Good
Surface Drainage Away from Wellhead ☐ Toward Wellhead ☐
Bollards Present? Yes ☐ No ☒ Describe: _____
Well ID. Visible? Yes ☒ No ☐ Describe: On casing
Lock Present and Functional? Yes ☒ No ☐ Describe: _____
Photograph Taken? Photo # Yes ☐ No ☒ Describe: _____

Inner Appearance

Integrity of Well Casing Describe: Good; intact
Integrity of Cap Seal Describe: Good
Surface Water in Casing? Yes ☐ No ☒ Describe: _____
Well Casing Diameter 2 inches
Well Casing Material PVC ☐ Steel ☐ Stainless Steel ☒
Inner Cap Threaded ☒ Slip ☐ Expansion Plug ☐ None ☐
Reference/Measuring Point Groove ☐ Indelible Mark ☒ None ☐
Evidence of Double Casing? Yes ☐ No ☒ Describe: _____

Downhole

Odor Yes ☐ No ☒ Describe: _____
PID Reading 0.0 ppm
Depth to Water (to top of casing) 9.71 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A ☒
Total Well Depth (to top of casing) 99.21 feet (nearest 0.1)
Sediment (Hard/Soft Bottom) Describe: Soft bottom

Additional Comments:

Groundwater Monitoring Well Inspection

Site/Project Name: Gladding Cordage Project Number: 00266406.0000

Date of Inspection: 3/12/2019 Inspector: J. Mullins

Well Designation: TW-145

Well Location: Left of Church & across roadway

Outward Appearance

Flushmount Diameter 8 inches N/A []
 Approximate Stickup Height _____ feet N/A []
 Integrity of Protective Casing Describe: Good; intact
 Protective Casing Material Steel [] Stainless Steel [] Other _____
 Protective Casing Width or Dia. 4 inches
 Weep Hole in Protective Casing Yes [] No []
 Surface Seal/Apron Material Cement [] Bentonite [] Not apparent [] Other _____
 Integrity of Surface Seal/Apron Describe: Good
 Surface Drainage Away from Wellhead [] Toward Wellhead []
 Bollards Present? Yes [] No [] Describe: _____
 Well ID. Visible? Yes [] No [] Describe: On cap
 Lock Present and Functional? Yes [] No [] Describe: Flush mount
 Photograph Taken? Photo # Yes [] No [] Describe: _____

Inner Appearance

Integrity of Well Casing Describe: Good; intact
 Integrity of Cap Seal Describe: Good
 Surface Water in Casing? Yes [] No [] Describe: _____
 Well Casing Diameter 2 inches
 Well Casing Material PVC [] Steel [] Stainless Steel []
 Inner Cap Threaded [] Slip [] Expansion Plug [] None []
 Reference/Measuring Point Groove [] Indelible Mark [] None []
 Evidence of Double Casing? Yes [] No [] Describe: Steel 4" casing

Downhole

Odor Yes [] No [] Describe: _____
 PID Reading 0.0 ppm
 Depth to Water (to top of casing) 6.39 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A []
 Total Well Depth (to top of casing) 20.03 feet (nearest 0.1)
 Sediment (Hard/Soft Bottom) Describe: Hard bottom

Additional Comments:

Missing bolts for flush mount cover

Groundwater Monitoring Well Inspection



Site/Project Name: Gladding Cordage Project Number: 00266406.0000
 Date of Inspection: 3/14/19 Inspector: JRW
 Well Designation: 114I
 Well Location: adjacent to driveway

Outward Appearance

Flushmount Diameter 8 inches N/A ☐
 Approximate Stickup Height _____ feet N/A ☒
 Integrity of Protective Casing Describe: Good
 Protective Casing Material Steel ☒ Stainless Steel ☐ Other _____
 Protective Casing Width or Dia. 4 inches
 Weep Hole in Protective Casing Yes ☐ No ☒
 Surface Seal/Apron Material Cement ☒ Bentonite ☐ Not apparent ☐ Other _____
 Integrity of Surface Seal/Apron Describe: Good
 Surface Drainage Away from Wellhead ☐ Toward Wellhead ☐ Flat
 Bollards Present? Yes ☐ No ☒ Describe: _____
 Well ID. Visible? Yes ☒ No ☐ Describe: _____
 Lock Present and Functional? Yes ☐ No ☒ Describe: NO LOCK
 Photograph Taken? Photo # Yes ☐ No ☒ Describe: _____

Inner Appearance

Integrity of Well Casing Describe: Good
 Integrity of Cap Seal Describe: Good
 Surface Water in Casing? Yes ☐ No ☒ Describe: _____
 Well Casing Diameter 2 inches
 Well Casing Material PVC ☐ Steel ☐ Stainless Steel ☒
 Inner Cap Threaded ☐ Slip ☐ Expansion Plug ☒ None ☐
 Reference/Masuring Point Groove ☐ Indelible Mark ☐ None ☒
 Evidence of Double Casing? Yes ☐ No ☒ Describe: _____

Downhole

Odor Yes ☐ No ☒ Describe: _____
 PID Reading 0.0 ppm
 Depth to Water (to top of casing) 7.03 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A ☐
 Total Well Depth (to top of casing) 7.24 feet (nearest 0.1)
 Sediment (Hard/Soft Bottom) Describe: HARD BOTTOM

Additional Comments:

Former stickup converted to flush mount. Pro casing visible in
flush mount

Groundwater Monitoring Well Inspection



Site/Project Name: Gladding Cordage Project Number: 00266406.0000

Date of Inspection: 3/14/19 Inspector: JRW

Well Designation: W-14D

Well Location: Adjacent to driveway

Outward Appearance

Flushmount Diameter 8 inches N/A ☐

Approximate Stickup Height _____ feet N/A ☒

Integrity of Protective Casing Describe: Good

Protective Casing Material Steel ☒ Stainless Steel ☐ Other _____

Protective Casing Width or Dia. 4 inches

Weep Hole in Protective Casing Yes ☐ No ☒

Surface Seal/Apron Material Cement ☒ Bentonite ☐ Not apparent ☐ Other _____

Integrity of Surface Seal/Apron Describe: Good

Surface Drainage Away from Wellhead ☐ Toward Wellhead ☐ Flat

Bollards Present? Yes ☐ No ☒ Describe: _____

Well ID. Visible? Yes ☒ No ☐ Describe: _____

Lock Present and Functional? Yes ☐ No ☒ Describe: No Lock

Photograph Taken? Photo # Yes ☐ No ☒ Describe: _____

Inner Appearance

Integrity of Well Casing Describe: Good

Integrity of Cap Seal Describe: Good

Surface Water in Casing? Yes ☐ No ☒ Describe: _____

Well Casing Diameter 2 inches

Well Casing Material PVC ☐ Steel ☐ Stainless Steel ☒

Inner Cap Threaded ☐ Slip ☐ Expansion Plug ☒ None ☐

Reference/Measuring Point Groove ☐ Indelible Mark ☐ None ☒

Evidence of Double Casing? Yes ☒ No ☐ Describe: _____

Downhole

Odor Yes ☐ No ☒ Describe: _____

PID Reading 0.0 ppm

Depth to Water (to top of casing) 6.81 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A ☒

Total Well Depth (to top of casing) 89.93 feet (nearest 0.1)

Sediment (Hard/Soft Bottom) Describe: _____

Additional Comments:

Former stickup converted to flushmount. Portion of former pro casing visible in flush mount.

Groundwater Monitoring Well Inspection

Site/Project Name: Gladding Cordage Project Number: 00266406.0000
 Date of Inspection: 3/12/2019 Inspector: J. Mullins
 Well Designation: TW-15
 Well Location: Next to Treatment building

Outward Appearance

Flushmount Diameter 6 inches N/A []
 Approximate Stickup Height _____ feet N/A []
 Integrity of Protective Casing Describe: Good
 Protective Casing Material Steel [] Stainless Steel [] Other _____
 Protective Casing Width or Dia. 4 inches
 Weep Hole in Protective Casing Yes [] No []
 Surface Seal/Apron Material Cement [] Bentonite [] Not apparent [] Other _____
 Integrity of Surface Seal/Apron Describe: Good
 Surface Drainage Away from Wellhead [] Toward Wellhead []
 Bollards Present? Yes [] No [] Describe: _____
 Well ID. Visible? Yes [] No [] Describe: _____
 Lock Present and Functional? Yes [] No [] Describe: Flush mount
 Photograph Taken? Photo # Yes [] No [] Describe: _____

Inner Appearance

Integrity of Well Casing Describe: Good; intact
 Integrity of Cap Seal Describe: Good
 Surface Water in Casing? Yes [] No [] Describe: _____
 Well Casing Diameter 2 inches
 Well Casing Material PVC [] Steel [] Stainless Steel []
 Inner Cap Threaded [] Slip [] Expansion Plug [] None []
 Reference/Measuring Point Groove [] Indelible Mark [] None []
 Evidence of Double Casing? Yes [] No [] Describe: _____

Downhole

Odor Yes [] No [] Describe: _____
 PID Reading 0.0 ppm
 Depth to Water (to top of casing) 9.33 feet (nearest 0.01) Depth to LNAPL _____ feet (nearest 0.01) N/A []
 Total Well Depth (to top of casing) 73.27 feet (nearest 0.1)
 Sediment (Hard/Soft Bottom) Describe: Soft bottom

Additional Comments:

APPENDIX E

Groundwater Level Data Summary



GROUNDWATER LEVEL DATA FORM

PROJECT NAME: Gladding Cordage
PROJECT NUMBER: 00266406.0000

DATE: 3/12/2019
NAME: JM

WELL ID	Date	Time	Headspace VOCs (ppm)	Depth to Water (feet)	Reference Point
TW-1	3/12/2019	--	0.0	7.60	TOC
TW-2S	3/12/2019	--	0.0	8.57	TOC
TW-2I	3/12/2019	--	0.0	8.24	TOC
TW-2D	3/12/2019	--	0.0	8.53	TOC
TW-3S	3/12/2019	--	0.0	9.97	TOC
TW-3I	3/12/2019	--	0.0	9.22	TOC
TW-3D	3/12/2019	--	0.0	9.46	TOC
TW-4I	3/12/2019	--	0.0	6.71	TOC
TW-5S	3/12/2019	--	0.0	8.49	TOC
TW-5I	3/12/2019	--	0.0	8.85	TOC
TW-5D	3/12/2019	--	0.0	9.39	TOC
TW-6S	3/12/2019	--	0.0	6.75	TOC
TW-6I	3/12/2019	--	0.0	7.48	TOC
TW-6D	3/12/2019	--	0.0	7.23	TOC
TW-7S	3/12/2019	--	0.0	8.91	TOC
TW-7I	3/12/2019	--	0.0	9.59	TOC
TW-7D	3/12/2019	--	0.0	9.39	TOC
TW-9I	3/12/2019	--	0.0	10.30	TOC
TW-9D	3/12/2019	--	0.0	10.81	TOC
TW-10D	3/12/2019	--	0.0	NM	TOC
TW-12I	3/12/2019	--	0.0	8.05	TOC
TW-12D	3/12/2019	--	0.0	8.71	TOC
TW-14S	3/12/2019	--	0.0	6.39	TOC
TW-14I	3/12/2019	--	0.0	7.03	TOC
TW-14D	3/12/2019	--	0.0	6.81	TOC
TW-15	3/12/2019	--	0.0	9.33	TOC

Notes:

NM - Not Measured

Arcadis CE, Inc.

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