ARCADIS Design & Consultancy for natural and built assets

New York State Department of Environmental Conservation

GLADDING CORDAGE SITE QUARTERLY REPORT

SITE 7-09-009

Third Quarter 2016

March 2017

,

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Third Quarter 2016

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ACRONYMS AND ABBREVIATIONS

Amsl	above mean sea level
BTEX	Benzene, toluene, ethylbenzene, and xylene.
Ft	feet
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 third quarter 2016 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 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 treatment system 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 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 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 shut down multiple times during the third quarter 2016 operating period due to various storm-related power interruptions. After each event, the system was either restarted remotely or restarted during the routine monthly O&M inspection. In July 2016, the system was off a total of five days with system shutdowns occurring on July 2 and July 31. After the July 31 shutdown, the system was restarted remotely on August 4. Another outage occurred on August 13 with the system restart on August 15. In September, the system shut down for two days following a power interruption on September 14. The system was restarted during the routine inspection on September 16.

The average monthly flow rates and total flow volumes for the third quarter 2016 operating period are summarized in Table 3-1. As shown in Table 3-1, the monthly flow rates from recovery wells RW-1 and RW-2 averaged approximately 25.5 gpm and 23 gpm, respectively. Based on the total flow values, approximately 5.6 million gallons of water were treated and discharged to the Otselic River between July and September 2016.

3.3 Treatment System Sampling

Influent and effluent groundwater samples were collected from the Gladding Cordage treatment system in accordance with the Work Plan and submitted to Contest Analytical following chain-of-custody protocols. Each sample was analyzed for volatile organic compounds (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 ranged between 34µg/L in August and 36 µg/L in September. Table 3-3 and Figure 3-1, show that the concentrations of 1,1,1-TCA in the samples from recovery well RW-2 increased slightly from 28 µg/L in July to 35 µg/L in September. As shown in Tables 3-2 and 3-3, these results 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 third quarter 2016 samples from recovery wells RW-1 and RW-2. However, consistent with previous results, the concentrations were less than the applicable NYSDEC Class GA Standard of 5 µg/L.

The samples collected from RW-1, RW-2, and the treatment plant effluent (EFF46HZ) in July 2016 all had estimated concentrations of chloromethane (a common laboratory contaminant). However, these three results were below the applicable 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 VOCs were detected in any of the third quarter 2016 effluent samples at the indicated quantitation limits. However, as stated above in section 3.3.1, an estimated concentration of chloromethane was detected in the treated plant effluent sample. This result was below the applicable NYSDEC Class GA Standard of 5 µg/L.

Based on influent sample concentrations and total flow volumes from the Gladding Cordage treatment system, approximately 1.6 pounds of VOCs were removed by the treatment system during the third quarter 2016.

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.

Figure 4-1 shows the location of the groundwater monitoring wells. Passive diffusion bags were placed in groundwater monitoring wells on September 12, 2016 in accordance with the Generally Acceptable Procedures (GAP) for PDB Samplers (Appendix D). Samples were collected from the PDBs on September 30, 2016 to provide information on groundwater quality and to monitor contaminant migration in the groundwater at the site.

4.1 Well Inspection

Existing on-site groundwater monitoring wells were evaluated for integrity and suitability for groundwater monitoring and water levels. The condition of each well was visually inspected with no significant damage or deficiencies observed. Therefore, no repair or maintenance was required.

4.2 Water Level Survey

Prior to deploying PDBs, 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 from the site. As shown in Table 4-1, groundwater elevations in groundwater monitoring wells screened in the shallow groundwater monitoring zone ranged from 1202.95 feet (ft) above mean sea level (amsl) to 1204.87 ft amsl; groundwater elevations in monitoring wells screened in the intermediate groundwater monitoring zone ranged from 1202.67 ft amsl to 1203.80 ft amsl; and groundwater elevations in monitoring wells screened in the deep groundwater monitoring zone ranged from 1202.69 ft amsl to 1203.80 ft amsl.

As shown in the groundwater elevation data presented in Table 4-1, monitoring well clusters TW-2, TW-5, TW-6, TW-7, and W-14 had higher groundwater elevations in the shallow monitoring zones compared to the deep monitoring zones (indicating a downward hydraulic gradient). The difference in the hydraulic gradients in the groundwater monitoring locations is likely due to the influence of the groundwater recovery wells.

Shallow, intermediate, and deep potentiometric surface maps are provided on Figure 4-2, Figure 4-3, and Figure 4-4, respectfully. 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 zone 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 Work Plan. However, in consultation with NYSDEC, and based on the recommendations provided in the Periodic Review Report (Malcolm Pirnie, 2011), groundwater monitoring wells TW-9I and TW-9D were added to the recommended sampling list due the presence of VOCs at concentrations greater than the NYSDEC Class GA Standards in these wells during the 2009 groundwater monitoring event.

Groundwater samples were collected from wells in the monitoring network using PDBs in accordance with the procedure presented in Appendix D. The wells that were sampled during this monitoring event are listed below:

- 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 third quarter 2016 sampling event are summarized in Table 4-3.

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 three of the five groundwater samples collected from the shallow groundwater monitoring network. As shown in Table 4-3, the 1,1,1-TCA results from groundwater samples collected at TW-5S (7.1 µg/L), TW-7S (6.6 µg/L), and TW-14S (50 µg/L) exceeded the NYSDEC Class GA Standard of 5 µg/L. Although 1,1,1-TCA concentrations were less than the corresponding NYSDEC Standard in the samples from TW-5S and TW-14S in 2015, the current results are within the range of previous concentrations detected at these locations. As shown in Table 4-3, the concentration of 1,1,1-TCA in the sample from TW-14S has not been at this level since the 2008 sampling event.

VOCs were not detected at concentrations greater than the applicable NYSDEC Class GA Standards in any other groundwater samples collected from the shallow monitoring network during the third quarter 2016 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 (20 µg/L), TW-14I (65 µg/L), and TW-15 (14 µg/L) were greater than the applicable NYSDEC Class GA Standard of 5 µg/L. Table 4-3 shows the concentration of benzene from TW-5I (1.2 µg/L), TW-6I (2.5 µg/L), and TW-15 (1.3 µg/L) exceeded the NYSDEC Class GA Standard (1 µg/L).

The sample DUP-X was collected from monitoring well TW-15 and submitted as a field duplicate. As shown in Table 4-3, the concentrations of 1,1,1-TCA in sample DUP-X sample TW-15 (14 µg/L, respectively) correlate well.

Table 4-3 shows that the concentrations of 1,1,1 TCA and benzene 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 well TW-14D (6.5 µg/L). In 2015, the groundwater samples from TW-5D and TW-7D contained 1,1,1-TCA at concentrations of 18 µg/ and 10 µg/L, respectively. As shown in Table 4-3, the September 2016 concentrations of 1,1,1-TCA at TW-5D (3.2 µg/L) and TW-7D (1.1 µg/L) were below the corresponding NYSDEC Class GA Standard of 5 µg/L.

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 site operations at this time.

6 SUMMARY

The Gladding Cordage groundwater treatment system had several interruptions during the third quarter 2016 due to power outages. With the exception of the one event, the system was restarted remotely following each power interruption. The average total flow through the treatment system was approximately 44 GPM.

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 1.6 pounds of VOCs were removed by the treatment system during the third quarter 2016.

Groundwater samples were collected from 21 groundwater monitoring wells at the Gladding Cordage site in 2016. The concentrations of VOCs in samples collected from the shallow, intermediate, and deep groundwater monitoring zones were generally consistent with results from the 2015 monitoring event. Groundwater samples collected from three shallow, five intermediate, and one deep groundwater monitoring well contained concentrations of VOCs greater than the applicable NYSDEC Class GA Standards. The maximum concentration of total VOCs (65 µg/L) was in the groundwater sample 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 fourth quarter 2017.

7 REFERENCES

Arcadis, 2015, Gladding Cordage Site Quarterly Report, Second Quarter 2015, Arcadis CE, Inc., November 2015.

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 RW-1 (% possible)	Well On-time RW-2 (% possible)	Flow Rates RW-1 (gpm)	Flow Rates RW-2 (gpm)	Totalizer RW-1 (gallons)	Totalizer RW-2 (gallons)	Recovery Well Total Flows RW-1 (gallons)	Recovery Well Total Flows RW-2 (gallons)	Total System Flow (gallons)	Quarterly Totals (gallons)
January-16	29	94%	100%	100%	20.7	22.1	39,095,592	35,850,122	875,567	912,846	1,788,413	
February-16	29	100%	100%	100%	21.9	22.2	39,988,542	36,759,764	892,950	909,642	1,802,592	5,501,623
March-16	31	100%	100%	100%	20.6	21.4	40,931,049	37,727,875	942,507	968,111	1,910,618	
April-16	29	97%	100%	100%	21.1	21.2	41,816,850	38,633,091	885,801	905,216	1,791,017	
May-16	29	94%	100%	100%	21.9	21.1	42,727,616	39,534,066	910,766	900,975	1,811,741	5,088,795
June-16	23	77%	100%	100%	24.9	21.6	43,515,441	40,232,278	787,825	698,212	1,486,037	
July-16	26	84%	100%	100%	25.1	22.6	44,489,448	41,120,013	974,007	887,735	1,861,742	
August-16	25	81%	100%	100%	25.8	23.2	45,398,795	41,958,714	909,347	838,701	1,748,048	5,592,798
September-16	28	93%	100%	100%	25.6	23.7	46,429,587	42,910,930	1,030,792	952,216	1,983,008	
Total Flow 2016									**8,209,562**	**7,973,654**	**16,183,216**	

Notes:
gpm - Gallons per minute

TABLE 3-2
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 10/26/2015 WATER ug/L	RW-1 11/20/2015 WATER ug/L	RW-1 12/21/2015 WATER ug/L	RW-1 1/25/2016 WATER ug/L	RW-1 2/26/2016 WATER ug/L	RW-1 3/18/2016 WATER ug/L	RW-1 4/22/2016 WATER ug/L	RW-1 5/23/2016 WATER ug/L	RW-1 6/24/2016 WATER ug/L	RW-1 7/25/2016 WATER ug/L	RW-1 8/18/2016 WATER ug/L	RW-1 9/16/2016 WATER ug/L
VOCs													
1,1,1-Trichloroethane	5	**38**	**41**	**32**	**38**	**36**	**36**	**31**	**34**	**32**	**35**	**34**	**36**
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
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
1,1-Dichloroethane	5	**1.8 J**	**2.1**	**1.5 J**	**1.8 J**	**1.5 J**	**1.4 J**	**1.2 J**	**1.3 J**	**1.1 J**	**1.5 J**	**1.6 J**	**1.6 J**
1,1-Dichloroethene	5	**0.85 J**	**1.0 J**	**0.8 J**	**0.84 J**	**0.79 J**	**0.86 J**	**0.84 J**	**0.77 J**	**0.69 J**	**0.68 J**	**0.89 J**	**0.75 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
1,2-Dichloroethane	0.6	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichloropropane	1	2.0 U	2.0 U	2.0 U	2.0 U	2.0 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
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-Chloroethyl Vinyl Ether		10.0 U	10 U	10 U	10.0 U	10 U	10 U	10.0 U	10 U	10 U	10 U	10 U	10 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
Bromodichloromethane	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Bromoform	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Bromomethane	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Carbon Tetrachloride	5	2.0 U	2.0 U	2.0 U	2.0 U	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
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
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
Chloromethane (Methyl Chloride)	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	**0.77 J**	2.0 U	2.0 U
cis-1,3-Dichloropropene	0.4	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Dibromochloromethane	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Ethyl Benzene	5	2.0 U	2.0 U	2.0 U	2.0 U	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
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
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
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
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
Toluene	5	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	2.0 U	1.0 U	1.0 U	2.0 U	2.0 U	2.0 U	2.0 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
trans-1,3-Dichloropropene	0.4	5.0 U	2.0 U	2.0 U	5.0 U	2.0 U	2.0 U	5.0 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
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
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
Total VOCs		40.7	44.1	34.3	40.6	38.3	38.3	33.0	36.1	33.8	38.0	36.5	38.4

- Concentration exceeds corresponding NYSD Class GA Standard.

U - Not detected at the indicated concentration

J - Estimated concentration.

TABLE 3-3
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 10/26/2015 WATER ug/L	RW-2 11/20/2015 WATER ug/L	RW-2 12/21/2015 WATER ug/L	RW-2 1/25/2016 WATER ug/L	RW-2 2/26/2016 WATER ug/L	RW-2 3/18/2016 WATER ug/L	RW-2 4/22/2016 WATER ug/L	RW-2 5/23/2016 WATER ug/L	RW-2 6/24/2016 WATER ug/L	RW-2 7/25/2016 WATER ug/L	RW-2 8/18/2016 WATER ug/L	RW-2 9/16/2016 WATER ug/L
VOCs													
1,1,1-Trichloroethane	5	**32**	**34**	**26**	**32**	**29**	**29**	**25**	**28**	**33**	**28**	**29**	**35**
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
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
1,1-Dichloroethane	5	**0.75 J**	**0.85 J**	**0.61 J**	**0.86 J**	**0.62 J**	**0.62 J**	**0.53 J**	**0.56 J**	**0.58 J**	**0.66 J**	**0.70 J**	**0.77 J**
1,1-Dichloroethene	5	**0.63 J**	**0.92 J**	**0.58 J**	**0.64 J**	**0.56 J**	**0.66 J**	**0.60 J**	**0.62 J**	**0.58 J**	**0.48 J**	**0.72 J**	**0.82 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
1,2-Dichloroethane	0.6	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichloropropane	1	2.0 U	2.0 U	2.0 U	2.0 U	2.0 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
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-Chloroethyl Vinyl Ether		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 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
Bromodichloromethane	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Bromoform	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Bromomethane	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Carbon Tetrachloride	5	2.0 U	2.0 U	2.0 U	2.0 U	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
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
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
Chloromethane (Methyl Chloride)	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	**0.59 J**	2.0 U	2.0 U
cis-1,3-Dichloropropene	0.4	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Dibromochloromethane	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Ethyl Benzene	5	2.0 U	2.0 U	2.0 U	2.0 U	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
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
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
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
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
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
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
trans-1,3-Dichloropropene	0.4	5.0 U	2.0 U	2.0 U	5.0 U	2.0 U	2.0 U	5.0 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
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
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
Total VOCs		33.4	35.8	27.2	33.5	30.2	30.3	26.1	29.2	34.2	29.7	30.4	36.6

- Concentration exceeds corresponding NYSDEC Class GA Standard.

U - Not detected at the indicated concentration

J - Estimated concentration.

TABLE 3-4
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) 10/26/2015 WATER ug/L	EFF(46HZ) 11/20/2015 WATER ug/L	EFF(46HZ) 12/21/2015 WATER ug/L	EFF(46HZ) 1/25/2016 WATER ug/L	EFF(46HZ) 2/26/2016 WATER ug/L	EFF(46HZ) 3/18/2016 WATER ug/L	EFF(46HZ) 4/22/2016 WATER ug/L	EFF(46HZ) 5/23/2016 WATER ug/L	EFF(46HZ) 6/24/2016 WATER ug/L	EFF(46HZ) 7/25/2016 WATER ug/L	EFF(46HZ) 8/18/2016 WATER ug/L	EFF(46HZ) 9/16/2016 WATER ug/L
VOCs													
1,1,1-Trichloroethane	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
1,1,2,2-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
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
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
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
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
1,2-Dichloroethane	0.6	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichloropropane	1	2.0 U	2.0 U	2.0 U	2.0 U	2.0 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
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-Chloroethyl Vinyl Ether		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 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
Bromodichloromethane	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Bromoform	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Bromomethane	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Carbon Tetrachloride	5	2.0 U	2.0 U	2.0 U	2.0 U	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
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
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
Chloromethane (Methyl Chloride)	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	**1.0 J**	2.0 U	2.0 U
cis-1,3-Dichloropropene	0.4	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Dibromochloromethane	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Ethyl Benzene	5	2.0 U	2.0 U	2.0 U	2.0 U	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
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
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
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
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
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
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
trans-1,3-Dichloropropene	0.4	5.0 U	2.0 U	2.0 U	5.0 U	2.0 U	2.0 U	5.0 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
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
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

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	
			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
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
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
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
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
TW-3I	Intermediate	1213.19	9.10	1204.09	9.5	1203.69	8.75	1204.44	8.59	1204.60	9.40	1203.79
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
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
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
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
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
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
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
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
TW-7S	Shallow	1213.48	8.83	1204.65	8.5	1204.98	8.70	1204.78	6.88	1206.60	9.35	1204.13
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
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
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
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
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
TW-12I	Intermediate	-	-	-	7.88	-	7.10	-	6.09	-	7.66	-
TW-12D	Deep	-	-	-	7.9	-	7.13	-	6.03	-	7.68	-
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
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
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
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

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	
				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
RW-2	1212.20	65	1147.20	54.94	1202.14	57.46	1204.66	55.36	1202.56

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-3I 9/6/2007 WATER ug/L	TW-3I 10/17/2008 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	**9.1**	**6.7**
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	0.38 U	1 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	0.42 U	1 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	1.1 U	5 U
Acetone	50	10	11	9.5	19	2.3 U	5 U	13	14	**64**	12			50 U	2.3 U	5 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	0.39 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	1.1 U	1 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	0.83 U	1 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	0.33 U	1 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	0.34 U	1 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	0.29 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	0.48 U	1 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	0.36 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	0.46 U	1 U

Notes
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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 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-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	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
VOCs																
1,1,1-Trichloroethane	5	0.4 U	1 U	1 U	**5**	**6.1**	**3.6**	**4.7**	0.32 U	1.3	1.4	1 U	1 U	1.2	2 U	0.96 J
1,1-Dichloroethane	*	0.36 U	1 U	1 U	0.5 U	2 U	2 U	1 U	0.38 U	1 U	0.36 U	1 U	1 U	0.5 U	2 U	2 U
1,1-Dichloroethene	5	0.47 U	1 U	1 U	0.5 U	2 U	2 U	1 U	0.42 U	1 U	0.47 U	1 U	1 U	0.5 U	2 U	2 U
2-Butanone	50	1.3 U	5 U	5 U	2.6 J			20 U	1.1 U	5 U	1.3 U	5 U	5 U	2.7 J		
Acetone	50	16	13	6	14			50 U	2.3 U	5 U	11	13	9.5	17		
Benzene	1	0.32 U	1 U	1 U	0.5 U	1 U	1 U	1 U	0.39 U	1 U	0.32 U	0.76 J	1.9	0.67 J	1 U	1.9
Carbon Tetrachloride	5	0.62 U	1 U	1 U	0.5 U	2 U	2 U	5 U	1.1 U	1 U	0.62 U	1 U	1 U	0.5 U	2 U	2 U
Chloroethane	5	0.66 U	1 U	1 U	0.5 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	0.34 U	1 U	1 U	0.5 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		0.54 U	1 U	1 U	0.5 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	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	0.48 U	1 U	0.27 U	1 U	1 U	0.5 U	2 U	2 U
Toluene	5	0.37 U	1 U	1 U	0.5 U	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	0.28 U	1 U	1 U	0.5 U	2 U	2 U	1 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

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 9/30/2016 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	TW-4I 9/30/2016 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
VOCs																
1,1,1-Trichloroethane	5	1 U	**6.6**	1.1	0.4 U	**23**	**33**	**28**	**23**	**20**	**20**	0.32 U	**11**	**13**	**7.4**	**7.9**
1,1-Dichloroethane	*	1 U	0.38 U	3.8	3.8	2.5	**5.3**	4.4	4.4	4.1	4.6	0.38 U	1 U	0.48 J	1 U	1 U
1,1-Dichloroethene	5	1 U	0.42 U	1 U	0.47 U	1 U	1.6	0.5 U	2 U	0.3 J	1 U	0.42 U	1 U	0.47 U	1 U	1 U
2-Butanone	50	20 U	1.1 U	5 U	1.3 U	5 U	5 U	2.2 J			20 U	1.1 U	5 U	1.3 U	5 U	5 U
Acetone	50	50 U	2.3 U	5 U	16	18	20	15			50 U	2.3 U	5 U	9.2	18	5 U
Benzene	1	1 U	0.39 U	1 U	0.32 U	1 U	1 U	0.5 U	1 U	0.15 J	1 U	0.39 U	1 U	0.32 U	1 U	1 U
Carbon Tetrachloride	5	5 U	1.1 U	1 U	0.62 U	1 U	1 U	0.5 U	2 U	2 U	5 U	1.1 U	1 U	0.62 U	1 U	1 U
Chloroethane	5	2 U	0.83 U	1 U	0.66 U	1 U	2.5	2.8	2.3	1.7 J	2 U	0.83 U	1 U	0.66 U	1 U	1 U
Chloroform	7	2 U	0.33 U	1 U	0.34 U	1 U	1 U	0.5 U	2 U	2 U	2 U	0.33 U	1 U	0.34 U	1 U	1 U
Chloromethane		2 U	0.34 U	1 U	0.54 U	1 U	1 U	0.5 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	0.29 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	1 U
Tetrachloroethene	5	1 U	0.48 U	1 U	0.27 U	1 U	1 U	0.5 U	2 U	2 U	1 U	0.48 U	1 U	0.27 U	1 U	1 U
Toluene	5	1 U	0.36 U	1 U	0.37 U	1 U	1 U	0.5 U	1 U	0.11 J	1 U	0.36 U	1 U	0.37 U	1 U	1 U
Trichloroethene	5	1 U	0.46 U	1 U	0.28 U	1 U	1 U	0.5 U	2 U	2 U	1 U	0.46 U	1 U	0.28 U	1 U	1 U

Notes
- Concentration exceeds corresponding NYSDEC Class GA Standard.
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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-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-5I 9/6/2007 WATER 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-5D 9/6/2007 WATER ug/L	TW-5D 10/17/2008 WATER ug/L
VOCs																
1,1,1-Trichloroethane	5	**11**	**7.9**	2 J	**7.1**	4.8 J	**8.8**	**90**	**8.6**	**5.5**	4.3	4.1	**9.6**	3.2	**41**	**28**
1,1-Dichloroethane	*	0.5 U	2 U	2 U	1 U	0.38 U	1	3.5	2.3	1.7	0.5 U	2 U	0.47 J	1 U	0.38 U	1 U
1,1-Dichloroethene	5	0.5 U	2 U	2 U	1 U	0.42 U	1 U	0.47 U	1 U	1 U	0.5 U	2 U	0.22 J	1 U	0.42 U	1 U
2-Butanone	50	2.7 J			20 U	1.1 U	5 U	1.3 U	5 U	5 U	2.3 J			20 U	1.1 U	5 U
Acetone	50	14			50 U	2.3 U	5 U	13	15	18	14			50 U	2.3 U	5 U
Benzene	1	0.5 U	1 U	1 U	1 U	**6.2**	**3.5**	0.32 U	**32**	1 U	**4.8**	**1.9**	**4.7**	**1.2**	0.39 U	1 U
Carbon Tetrachloride	5	0.5 U	2 U	2 U	5 U	1.1 U	1 U	0.62 U	1 U	1 U	0.5 U	2 U	2 U	5 U	1.1 U	1 U
Chloroethane	5	0.5 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	0.83 U	1 U
Chloroform	7	0.5 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	2 U	0.33 U	1 U
Chloromethane		0.5 U	2 U	2 U	2 U	0.34 U	1 U	0.54 U	1 U	1 U	0.43 J	2 U	2 U	2 U	0.34 U	1 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	0.29 U	1 U
Tetrachloroethene	5	0.5 U	2 U	2 U	1 U	0.48 U	1 U	0.27 U	1 U	1 U	0.5 U	2 U	2 U	1 U	0.48 U	1 U
Toluene	5	0.5 U	1 U	0.16 J	1 U	0.36 U	1 U	0.37 U	0.63 J	1 U	0.44 J	1 U	0.17 J	1 U	0.36 U	1 U
Trichloroethene	5	0.5 U	2 U	2 U	1 U	0.46 U	1 U	0.28 U	1 U	1 U	0.5 U	2 U	2 U	1 U	0.46 U	1 U

Notes
- Concentration exceeds corresponding NYSDEC Class GA Standard.
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D - Sample dilluted
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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-5D 6/25/2009 WATER ug/L	TW-5D 3/23/2010 WATER ug/L	TW-5D 6/21/2011 WATER 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-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
VOCs																
1,1,1-Trichloroethane	5	**32**	**28**	**25**	**28**	**39**	**18**	3.2	0.32 U	0.53 J	0.4 U	1 U	1 U	0.5 U	2 U	2 U
1,1-Dichloroethane	*	0.36 U	1 U	1 U	0.5 U	2 U	2 U	1 U	0.38 U	1 U	0.36 U	1 U	1 U	0.5 U	2 U	2 U
1,1-Dichloroethene	5	0.47 U	1 U	1.3	0.5 U	2 U	0.29 J	1 U	0.42 U	1 U	0.47 U	1 U	1 U	0.5 U	2 U	2 U
2-Butanone	50	1.3 U	5 U	5 U	2.1 J			20 U	1.1 U	5 U	1.3 U	5 U	5 U	2.3 J		
Acetone	50	20	17	41	14			50 U	2.3 U	5 U	11	15	17	12		
Benzene	1	0.32 U	1 U	1 U	0.5 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	0.62 U	1 U	1 U	0.5 U	2 U	2 U	5 U	1.1 U	1 U	0.62 U	1 U	1 U	0.5 U	2 U	2 U
Chloroethane	5	0.66 U	1 U	1 U	0.5 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	0.34 U	1 U	1 U	0.5 U	2 U	2 U	2 U	0.33 U	1.6	1	1.1	1.2	4.7	8.6	1.4 J
Chloromethane		0.54 U	1 U	1 U	0.5 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	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	0.48 U	1 U	0.27 U	1 U	1 U	0.5 U	2 U	2 U
Toluene	5	0.37 U	1 U	1 U	0.5 U	1 U	0.12 J	1 U	0.36 U	1 U	0.37 U	1 U	1 U	0.5 U	1 U	1 U
Trichloroethene	5	0.28 U	1 U	1 U	0.5 U	2 U	2 U	1 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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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 9/30/2016 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-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
VOCs																
1,1,1-Trichloroethane	5	1 U	0.32 U	1.3	0.4 U	1 U	1 U	3.2	2.2	2.4	1 U	0.32 U	1 U	0.4 U	1 U	1 U
1,1-Dichloroethane	*	1 U	0.38 U	1 U	0.36 U	1 U	1 U	0.5 U	2 U	2 U	1 U	0.38 U	1 U	0.36 U	1 U	1 U
1,1-Dichloroethene	5	1 U	0.42 U	1 U	0.47 U	1 U	1 U	0.5 U	2 U	2 U	1 U	0.42 U	1 U	0.47 U	1 U	1 U
2-Butanone	50	20 U	1.1 U	5 U	1.3 U	5 U	5 U	2.1 J			20 U	1.1 U	5 U	1.3 U	5 U	5 U
Acetone	50	50 U	2.3 U	4.4 J	11	18	14	16			50 U	2.3 U	5 U	21	9.5	16
Benzene	1	1 U	0.39 U	1 U	0.32 U	0.99 J	1.1	0.5 U	1 U	**1.5**	**2.5**	0.39 U	1 U	1	1 U	1 U
Carbon Tetrachloride	5	5 U	1.1 U	1 U	0.62 U	1 U	1 U	0.5 U	2 U	2 U	5 U	1.1 U	1 U	0.62 U	1 U	1 U
Chloroethane	5	2 U	0.83 U	1 U	0.66 U	1 U	1 U	0.5 U	2 U	2 U	2 U	0.83 U	1 U	0.66 U	1 U	1 U
Chloroform	7	3.0	0.33 U	1 U	0.34 U	1 U	1 U	0.5 U	2 U	2 U	2 U	0.33 U	1 U	0.34 U	1 U	1 U
Chloromethane		2 U	0.34 U	1 U	0.54 U	1 U	1 U	0.5 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	0.29 U	4.1	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	0.48 U	2.4	0.27 U	1 U	1 U	0.5 U	2 U	2 U	1 U	0.48 U	1 U	0.27 U	1 U	1 U
Toluene	5	1 U	0.36 U	1 U	0.37 U	1 U	1 U	0.5 U	1 U	0.15 J	1 U	0.36 U	1 U	0.37 U	1 U	1 U
Trichloroethene	5	1 U	0.46 U	1.2	0.28 U	1 U	1 U	0.5 U	2 U	2 U	1 U	0.46 U	1 U	0.28 U	1 U	1 U

Notes
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D - Sample dilluted
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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-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
VOCs					
1,1,1-Trichloroethane	5	0.5 U	2 U	2 U	1 U
1,1-Dichloroethane	*	0.5 U	2 U	2 U	1 U
1,1-Dichloroethene	5	0.5 U	2 U	2 U	1 U
2-Butanone	50	1.9 J			20 U
Acetone	50	13			50 U
Benzene	1	0.5 U	1 U	1 U	1 U
Carbon Tetrachloride	5	0.5 U	2 U	2 U	5 U
Chloroethane	5	0.5 U	2 U	2 U	2 U
Chloroform	7	0.5 U	2 U	2 U	2 U
Chloromethane		0.5 U	2 U	2 U	2 U
cis-1,2-Dichloroethene	5	0.5 U			1 U
Tetrachloroethene	5	0.5 U	2 U	2 U	1 U
Toluene	5	0.5 U	1 U	0.11 J	1 U
Trichloroethene	5	0.5 U	2 U	2 U	1 U

Notes
- Concentration exceeds corresponding NYSDEC Class GA Standard.
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U - The compound was not detected at the indicated concentration.
J - Compound detected below the reporting limit or Concentration is estimated for TICS.
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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-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-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	TW-7I 6/21/2011 WATER ug/L	TW-7I 7/24/2012 WATER ug/L
VOCs																
1,1,1-Trichloroethane	5	**8.2**	**18**	**7.8**	**6.8**	5	**11**	**12**	**5.1**	**6.6**	0.32 U	1.5	0.4 U	2.2	0.69 J	1.6
1,1-Dichloroethane	*	0.38 U	1 U	0.36 U	1 U	1 U	0.5 U	2 U	2 U	1 U	0.38 U	1 U	0.36 U	1 U	1 U	0.5 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	0.42 U	1 U	0.47 U	1 U	1 U	0.5 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	5 U	1.8 J
Acetone	50	2.3 U	3.3 J	22	12	19	15			50 U	2.3 U	5 U	15	17	21	11
Benzene	1	0.39 U	1 U	0.32 U	1 U	1 U	0.5 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	1.1 U	2.6	0.62 U	1 U	1 U	0.5 U	2 U	2 U	5 U	1.1 U	1 U	0.62 U	1 U	1 U	0.5 U
Chloroethane	5	0.83 U	1 U	0.66 U	1 U	1 U	0.5 U	2 U	2 U	2 U	0.83 U	1 U	0.66 U	1 U	1 U	0.5 U
Chloroform	7	0.33 U	1 U	0.34 U	1 U	1 U	0.5 U	2 U	2 U	2 U	0.33 U	1 U	0.34 U	1 U	1 U	0.5 U
Chloromethane		0.34 U	1 U	0.54 U	1 U	1 U	0.5 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	0.29 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	1 U	0.5 U
Tetrachloroethene	5	0.48 U	1 U	0.27 U	1 U	1 U	0.5 U	2 U	2 U	1 U	0.48 U	1 U	0.27 U	1 U	1 U	0.5 U
Toluene	5	0.36 U	1 U	0.37 U	1 U	1 U	0.5 U	1 U	1 U	1 U	0.36 U	1 U	0.37 U	1 U	1 U	0.5 U
Trichloroethene	5	0.46 U	1 U	0.28 U	1 U	1 U	0.5 U	2 U	2 U	1 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-7I 10/29/2013 WATER ug/L	TW-7I 5/6/2015 WATER ug/L	TW-7I 9/30/2016 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	TW-7D 9/30/2016 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
VOCs																
1,1,1-Trichloroethane	5	2 U	1.1 J	1.1	**21**	3.8	**9.1**	**5.2**	4.5	4.4	**5.9**	**10**	1.1	**5.5**	4.3	4.2
1,1-Dichloroethane	*	2 U	2 U	1 U	0.38 U	1 U	0.36 U	1 U	1 U	0.5 U	2 U	2 U	1 U	0.36 U	1 U	1 U
1,1-Dichloroethene	5	2 U	2 U	1 U	4.8 J	1 U	0.47 U	1 U	1 U	0.5 U	2 U	2 U	1 U	0.47 U	1 U	1 U
2-Butanone	50			20 U	1.1 U	5 U	1.3 U	5 U	5 U	2.4 J			20 U	1.3 U	5 U	5 U
Acetone	50			50 U	2.3 U	5 U	17	18	14	13			50 U	17	14	19
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	0.32 U	1 U	1 U
Carbon Tetrachloride	5	2 U	2 U	5 U	1.1 U	1 U	0.62 U	1 U	1 U	0.5 U	2 U	2 U	5 U	0.62 U	1 U	1 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	0.66 U	1 U	1 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	0.34 U	1 U	1 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	0.54 U	1 U	1 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	0.35 U	1 U	1 U
Tetrachloroethene	5	2 U	2 U	1 U	0.48 U	1 U	0.27 U	1 U	1 U	0.5 U	2 U	2 U	1 U	0.27 U	1 U	1 U
Toluene	5	1 U	0.11 J	1 U	0.36 U	1 U	0.37 U	1 U	1 U	0.5 U	1 U	1 U	1 U	0.37 U	1 U	1 U
Trichloroethene	5	2 U	2 U	1 U	0.46 U	1 U	0.28 U	1 U	1 U	0.5 U	2 U	2 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.
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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-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-9D 6/25/2009 WATER ug/L	TW-9D 3/23/2010 WATER ug/L	TW-9D 6/21/2011 WATER 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-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
VOCs																
1,1,1-Trichloroethane	5	4.2	4	3	1 U	0.4 U	1 U	1 U	0.5 U	2 U	2 U	3.3	0.53 J	0.32 U	1 U	0.4 U
1,1-Dichloroethane	*	0.5 U	2 U	2 U	1 U	0.36 U	1 U	1 U	0.5 U	2 U	2 U	1 U	0.36 U	0.38 U	1 U	0.36 U
1,1-Dichloroethene	5	0.5 U	2 U	2 U	1 U	0.47 U	1 U	1 U	0.5 U	2 U	2 U	1 U	0.47 U	0.42 U	1 U	0.47 U
2-Butanone	50	2.6 J			20 U	1.3 U	5 U	5 U	1.9 J			20 U	1.3 U	1.1 U	5 U	1.3 U
Acetone	50	16			50 U	9.1	13	3.6 J	14			50 U	19	2.3 U	5 U	10
Benzene	1	0.5 U	1 U	1 U	1 U	0.32 U	1 U	1 U	0.5 U	1 U	1 U	1 U	0.32 U	0.39 U	1 U	0.32 U
Carbon Tetrachloride	5	0.5 U	2 U	2 U	5 U	0.62 U	1 U	1 U	0.5 U	2 U	2 U	5 U	0.62 U	1.1 U	1 U	0.62 U
Chloroethane	5	0.5 U	2 U	2 U	2 U	0.66 U	1 U	1 U	0.5 U	2 U	2 U	2 U	0.66 U	0.83 U	1 U	0.66 U
Chloroform	7	0.5 U	2 U	2 U	2 U	0.34 U	1 U	1 U	0.5 U	2 U	2 U	2 U	0.34 U	0.33 U	1 U	0.34 U
Chloromethane		0.41 J	2 U	2 U	2 U	0.54 U	1 U	1 U	0.4 J	2 U	2 U	2 U	0.54 U	0.34 U	1 U	0.54 U
cis-1,2-Dichloroethene	5	0.5 U			1 U	0.35 U	1 U	1 U	0.5 U			1 U	0.35 U	0.29 U	1 U	0.35 U
Tetrachloroethene	5	0.5 U	2 U	2 U	1 U	0.27 U	1 U	1 U	0.5 U	2 U	2 U	1 U	0.27 U	0.48 U	1 U	0.27 U
Toluene	5	0.5 U	1 U	1 U	1 U	0.37 U	1 U	1 U	0.5 U	1 U	1 U	1 U	0.37 U	0.36 U	1 U	0.37 U
Trichloroethene	5	0.5 U	2 U	2 U	1 U	0.28 U	1 U	1 U	0.5 U	2 U	2 U	1 U	0.28 U	0.46 U	1 U	0.28 U

Notes
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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 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	TW-12I 9/30/2016 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-14S 9/6/2007 WATER ug/L
VOCs																
1,1,1-Trichloroethane	5	1 U	1 U	0.5 U	2 U	2 U	1 U	0.32 U	0.4 U	1 U	1 U	0.5 U	2 U	2 U	1 U	0.32 U
1,1-Dichloroethane	*	1 U	1 U	0.5 U	2 U	2 U	1 U	0.38 U	0.36 U	1 U	1 U	0.5 U	2 U	2 U	1 U	0.38 U
1,1-Dichloroethene	5	1 U	1 U	0.5 U	2 U	2 U	1 U	0.42 U	0.47 U	1 U	1 U	0.5 U	2 U	2 U	1 U	0.42 U
2-Butanone	50	5 U	5 U	1.8 J			20 U	1.1 U	1.3 U	5 U	5 U	2.8 J			20 U	1.1 U
Acetone	50	21	13	12			50 U	2.3 U	14	13	11	18			50 U	2.3 U
Benzene	1	1 U	1 U	0.5 U	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	0.39 U
Carbon Tetrachloride	5	1 U	1 U	0.5 U	2 U	2 U	5 U	1.1 U	0.62 U	1 U	1 U	0.5 U	2 U	2 U	5 U	1.1 U
Chloroethane	5	1 U	1 U	0.5 U	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	0.83 U
Chloroform	7	1 U	1 U	0.5 U	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	0.33 U
Chloromethane		1 U	1 U	0.43 J	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	0.34 U
cis-1,2-Dichloroethene	5	1 U	1 U	0.5 U			1 U	0.29 U	0.35 U	1 U	1 U	0.5 U			1 U	0.29 U
Tetrachloroethene	5	1 U	1 U	0.5 U	2 U	2 U	1 U	0.48 U	0.27 U	1 U	1 U	0.5 U	2 U	2 U	1 U	0.48 U
Toluene	5	1 U	1 U	0.5 U	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	0.36 U
Trichloroethene	5	1 U	1 U	0.5 U	2 U	2 U	1 U	0.46 U	0.28 U	1 U	1 U	0.5 U	2 U	2 U	1 U	0.46 U

Notes
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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-14S 10/17/2008 WATER 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-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	TW-14I 10/29/2013 WATER ug/L
VOCs																
1,1,1-Trichloroethane	5	**68**	0.4 U	**16**	**12**	**21**	**10**	4.5	**50**	**39**	**95**	**83**	**82**	**87**	**76**	**59**
1,1-Dichloroethane	*	**5.8**	1.2	0.64 J	0.55 J	0.95 J	2 U	2 U	5.3	0.38 U	2.8	3.2	3.2	3.5	2.6	2.1
1,1-Dichloroethene	5	1 U	0.47 U	1 U	0.67 J	0.5 U	2 U	2 U	1 U	3.7 J	1.5	0.47 U	2.1	4.4	1.4	2 U
2-Butanone	50	5 U	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	5 U	14	16	18	14			50 U	2.3 U	5 U	13	17	20	16	
Benzene	1	1 U	0.32 U	1 U	1 U	0.5 U	1 U	1 U	1 U	0.39 U	1 U	0.32 U	1 U	1 U	0.5 U	1 U
Carbon Tetrachloride	5	1 U	0.62 U	1 U	1 U	0.5 U	2 U	2 U	5 U	1.1 U	1 U	0.62 U	1 U	1 U	0.5 U	2 U
Chloroethane	5	1 U	0.66 U	1 U	1 U	0.5 U	2 U	2 U	2 U	0.83 U	1 U	0.66 U	1 U	1 U	0.5 U	2 U
Chloroform	7	1 U	0.34 U	1 U	1 U	0.5 U	2 U	2 U	2 U	0.33 U	1 U	0.34 U	1 U	1 U	0.5 U	2 U
Chloromethane		1 U	0.54 U	1 U	1 U	0.5 U	2 U	2 U	2 U	0.34 U	1 U	0.54 U	1 U	1 U	0.5 U	2 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	0.5 U	
Tetrachloroethene	5	1 U	0.27 U	1 U	1 U	0.5 U	2 U	2 U	1 U	0.48 U	1 U	0.27 U	1 U	1 U	0.5 U	2 U
Toluene	5	1 U	0.37 U	1 U	1 U	0.5 U	1 U	0.15 J	1 U	0.36 U	1 U	0.37 U	1 U	1 U	0.5 U	1 U
Trichloroethene	5	1 U	0.28 U	1 U	1 U	0.5 U	2 U	2 U	1 U	0.46 U	1 U	0.28 U	1 U	1 U	0.5 U	2 U

Notes
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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-14I 5/6/2015 WATER ug/L	TW-14I 9/30/2016 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	TW-14D 9/30/2016 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
VOCs																
1,1,1-Trichloroethane	5	**57**	**65**	**42**	**18**	0.4 U	**9.1**	**12**	**11**	**56**	**10**	**6.5**	**17**	**84 D**	**95**	**97**
1,1-Dichloroethane	*	2 J	2.4	0.38 U	1 U	0.36 U	1 U	1 U	0.5 U	2 U	2 U	1 U	0.38 U	3.3	3.4	4.1
1,1-Dichloroethene	5	1.1 J	1.3	**7.2**	1 U	0.47 U	1 U	0.67 J	0.5 U	2 U	2 U	1 U	4.6 J	2	1.8	2.7
2-Butanone	50		20 U	1.1 U	5 U	1.3 U	5 U	5 U	2.2 J			20 U	1.1 U	5 U	1.3 U	5 U
Acetone	50		50 U	2.3 U	5 U	15	18	25	17			50 U	2.3 U	5 U	9.7	15
Benzene	1	1 U	1 U	0.39 U	1 U	0.32 U	1 U	1 U	0.5 U	1 U	**5.7**	1 U	0.39 U	1 U	0.32 U	1 U
Carbon Tetrachloride	5	2 U	5 U	1.1 U	1 U	0.62 U	1 U	1 U	0.5 U	2 U	2 U	5 U	1.1 U	1 U	0.62 U	1 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	0.83 U	1 U	0.66 U	1 U
Chloroform	7	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	0.33 U	1 U	0.34 U	1 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	0.34 U	1 U	0.54 U	1 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	1 U	0.35 U	1 U
Tetrachloroethene	5	2 U	1 U	0.48 U	1 U	0.27 U	1 U	1 U	0.5 U	2 U	2 U	1 U	0.48 U	1 U	0.27 U	1 U
Toluene	5	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	0.36 U	1 U	0.37 U	1 U
Trichloroethene	5	2 U	1 U	0.46 U	1 U	0.28 U	1 U	1 U	0.5 U	2 U	2 U	1 U	0.46 U	1 U	0.28 U	1 U

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

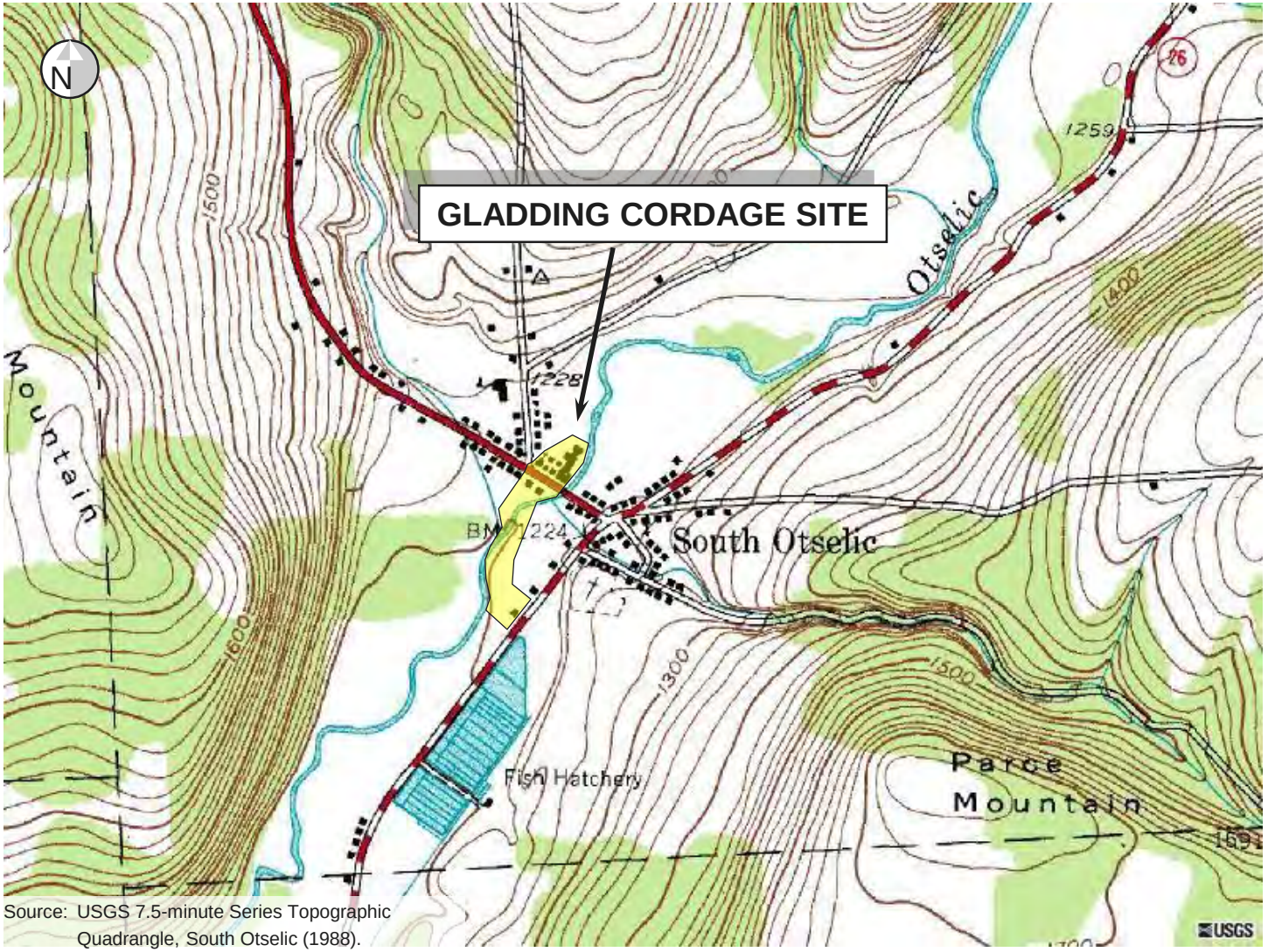
Sample ID Sampling Date Matrix Units	NYSDEC Class GA Standard ug/L	TW-15 6/21/2011 WATER ug/L	TW-15 7/24/2012 WATER ug/L	TW-15 10/29/2013 WATER ug/L	TW-15 5/6/2015 WATER ug/L	TW-15 9/30/2016 WATER ug/L	DUP-X 9/30/2016 WATER ug/L
VOCs							
1,1,1-Trichloroethane	5	**89**	**85**	**9.4**	**32**	**14**	**14**
1,1-Dichloroethane	*	3.8	3.4	2 U	1.6	1 U	1 U
1,1-Dichloroethene	5	**5.9**	2	2 U	0.93	1 U	1 U
2-Butanone	50	5 U	2.9 J			20 U	20 U
Acetone	50	35	17			50 U	50 U
Benzene	1	1 U	0.5 U	1 U	**13**	**1.3**	**1.3**
Carbon Tetrachloride	5	1 U	0.5 U	2 U	2 U	5 U	5 U
Chloroethane	5	1 U	0.5 U	2 U	2 U	2 U	2 U
Chloroform	7	1 U	0.5 U	2 U	2 U	2 U	2 U
Chloromethane		1 U	0.48 J	2 U	2 U	2 U	2 U
cis-1,2-Dichloroethene	5	1 U	0.5 U			1 U	1 U
Tetrachloroethene	5	1 U	0.5 U	2 U	2 U	1 U	1 U
Toluene	5	1 U	0.5 U	1 U	1 U	1 U	1 U
Trichloroethene	5	1 U	0.5 U	2 U	2 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

FIGURES

Figure 2-1
Site Location

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



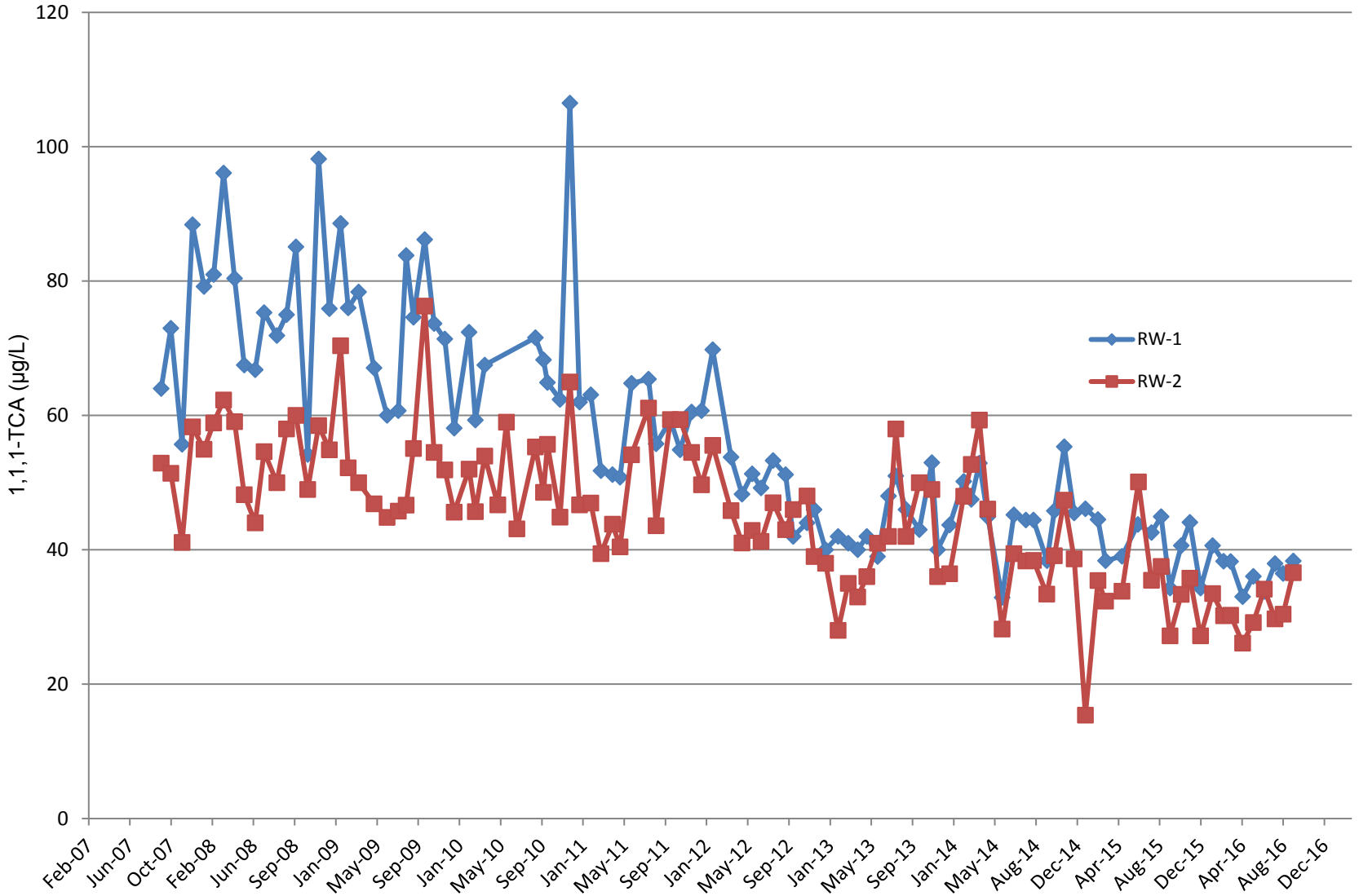
Source: USGS 7.5-minute Series Topographic Quadrangle, South Otselic (1988).

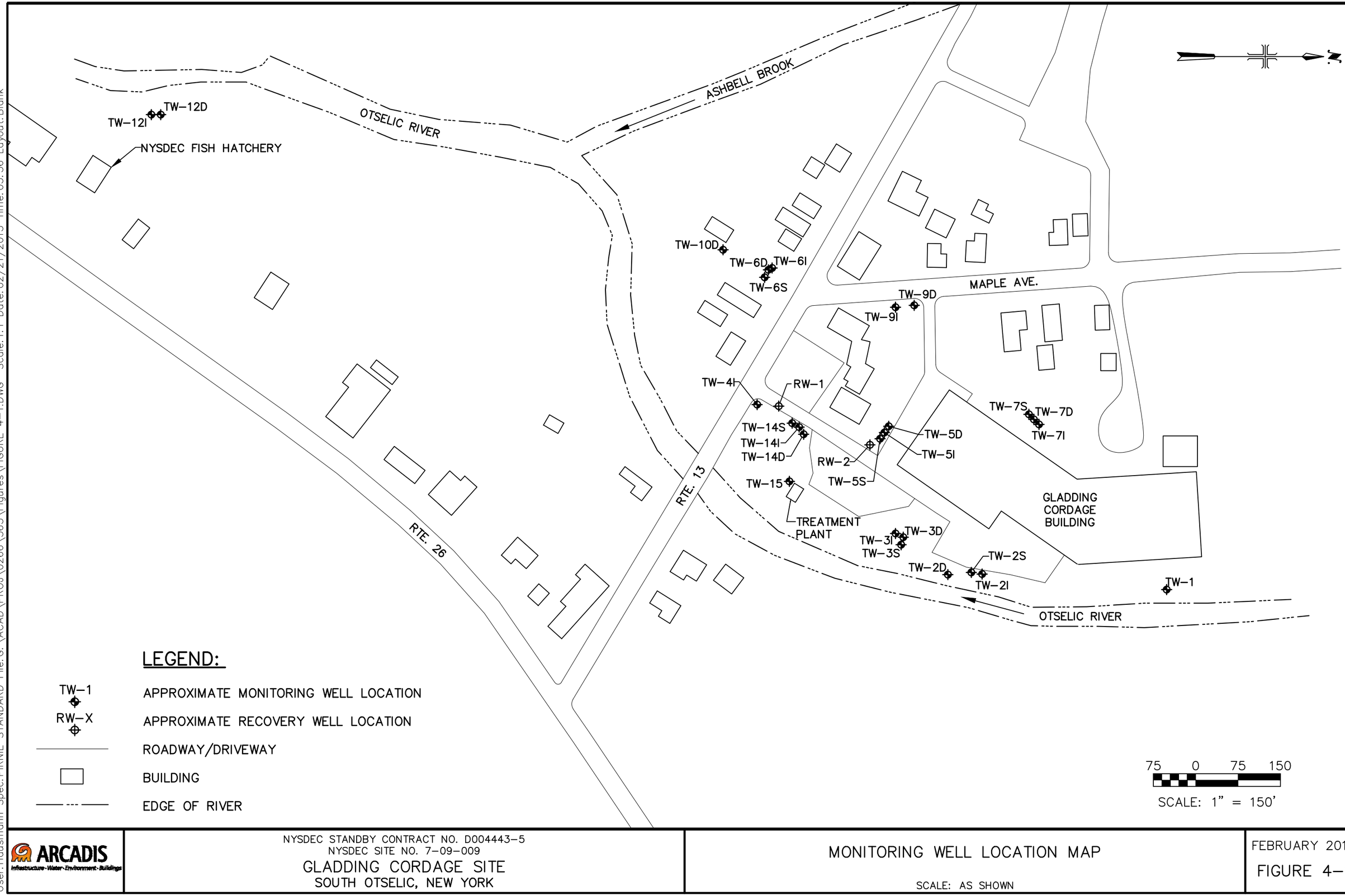
0 2,000 ft

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

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

Gladding Cordage Site
NYSDEC Site Number 7-09-009





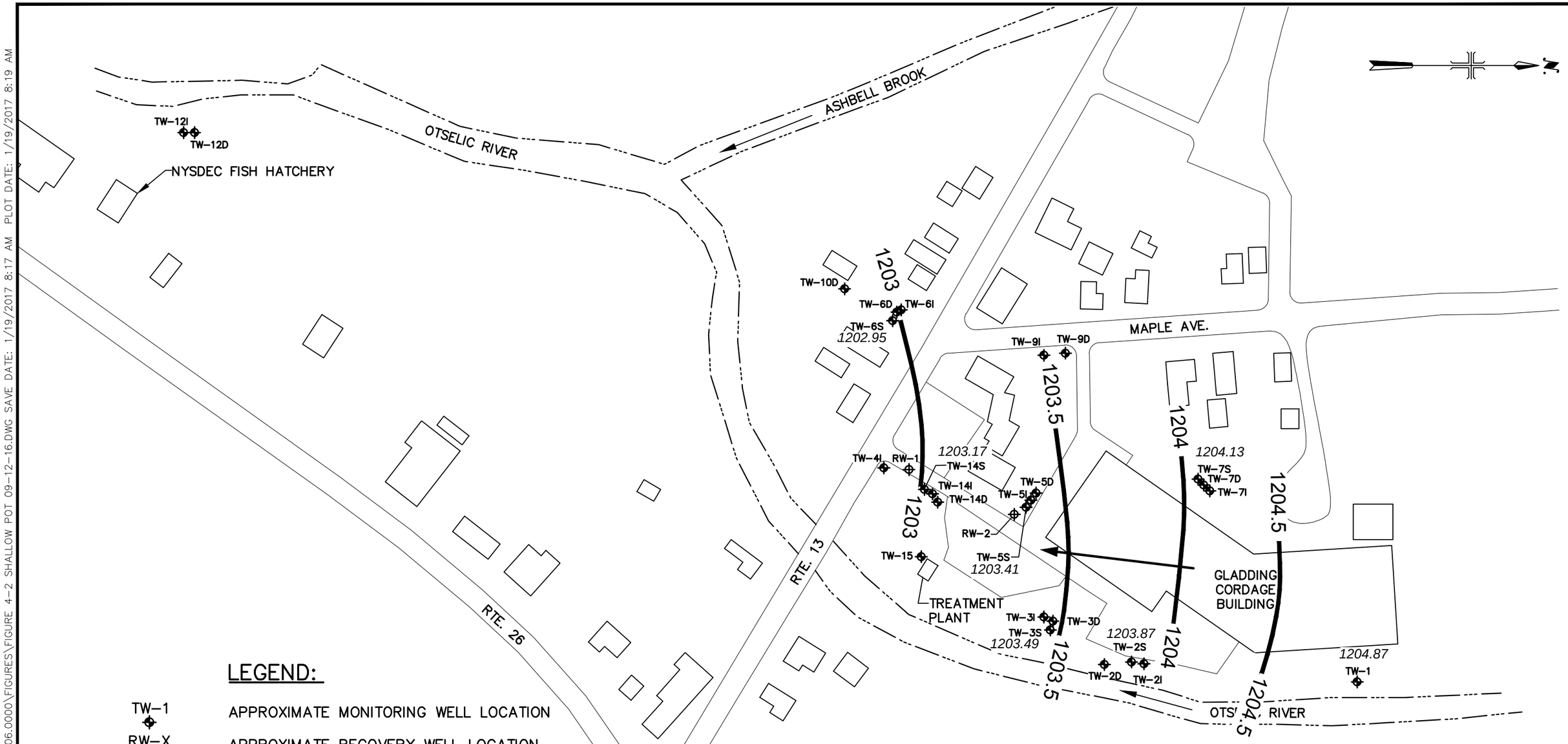
ARCADIS
Infrastructure · Water · Environment · Buildings

NYSDEC STANDBY CONTRACT NO. D004443-5
NYSDEC SITE NO. 7-09-009
GLADDING CORDAGE SITE
SOUTH OTSELIC, NEW YORK

MONITORING WELL LOCATION MAP

SCALE: AS SHOWN

FEBRUARY 2013
FIGURE 4-1



LEGEND:

TW–1	APPROXIMATE MONITORING WELL LOCATION
RW–X	APPROXIMATE RECOVERY WELL LOCATION
	ROADWAY/DRIVEWAY
	BUILDING
	EDGE OF RIVER
1204	POTENTIOMETRIC CONTOUR
1204.13	GROUNDWATER ELEVATION (FT. A.M.S.L.)
	GROUNDWATER FLOW DIRECTION

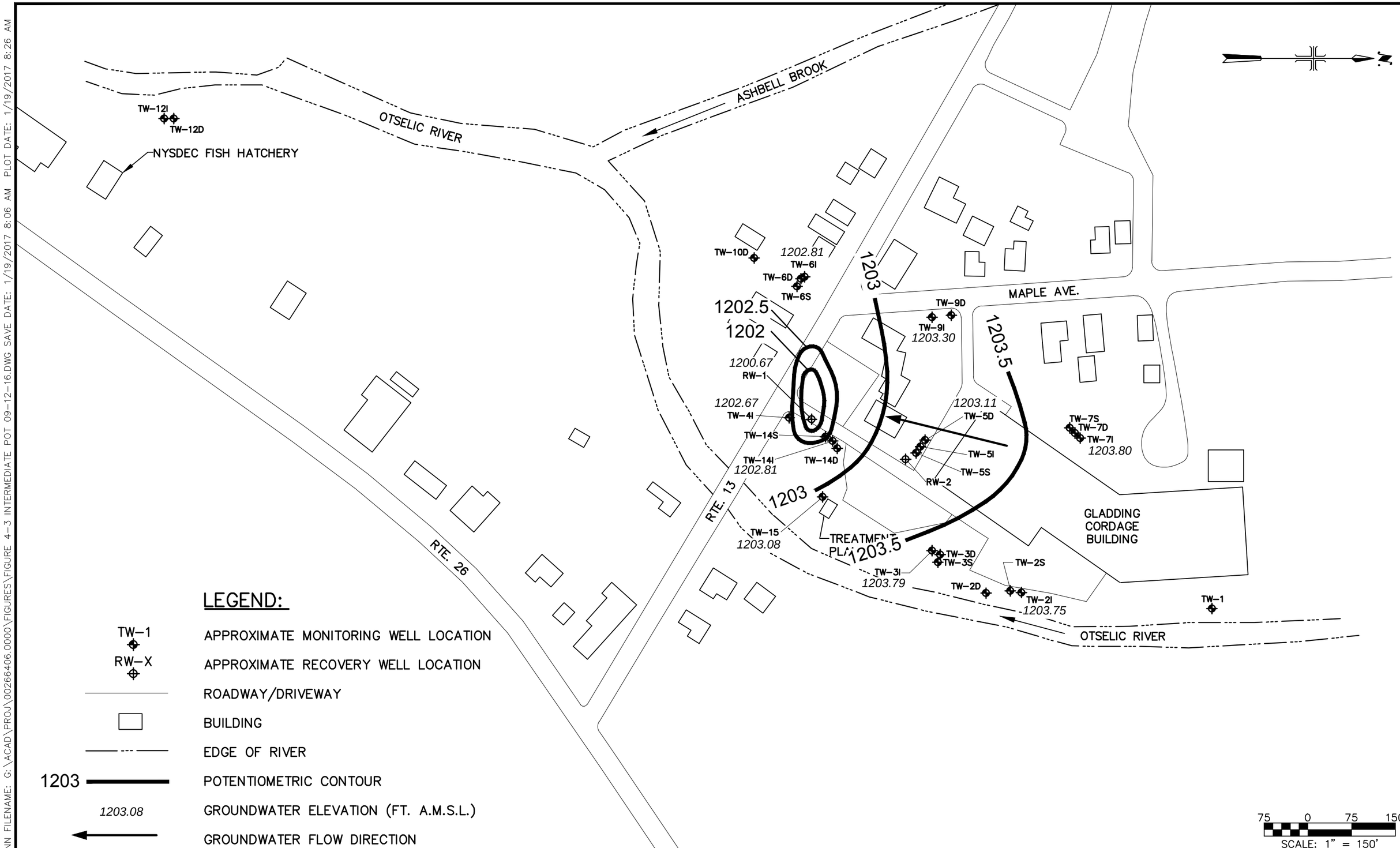
75 0 75 150
SCALE: 1" = 150'

ARCADIS

NYSDEC STANDBY CONTRACT NO. D004443-5
NYSDEC SITE NO. 7-09-009
GLADDING CORDAGE SITE
SOUTH OTSELIC, NEW YORK

SHALLOW POTENTIOMETRIC CONTOUR
SURFACE MAP (9/12/16)
SCALE: AS SHOWN

FIGURE 4-2



LEGEND:

TW–1	APPROXIMATE MONITORING WELL LOCATION
RW–X	APPROXIMATE RECOVERY WELL LOCATION
	ROADWAY/DRIVEWAY
	BUILDING
	EDGE OF RIVER
1203	POTENTIOMETRIC CONTOUR
1203.08	GROUNDWATER ELEVATION (FT. A.M.S.L.)
	GROUNDWATER FLOW DIRECTION

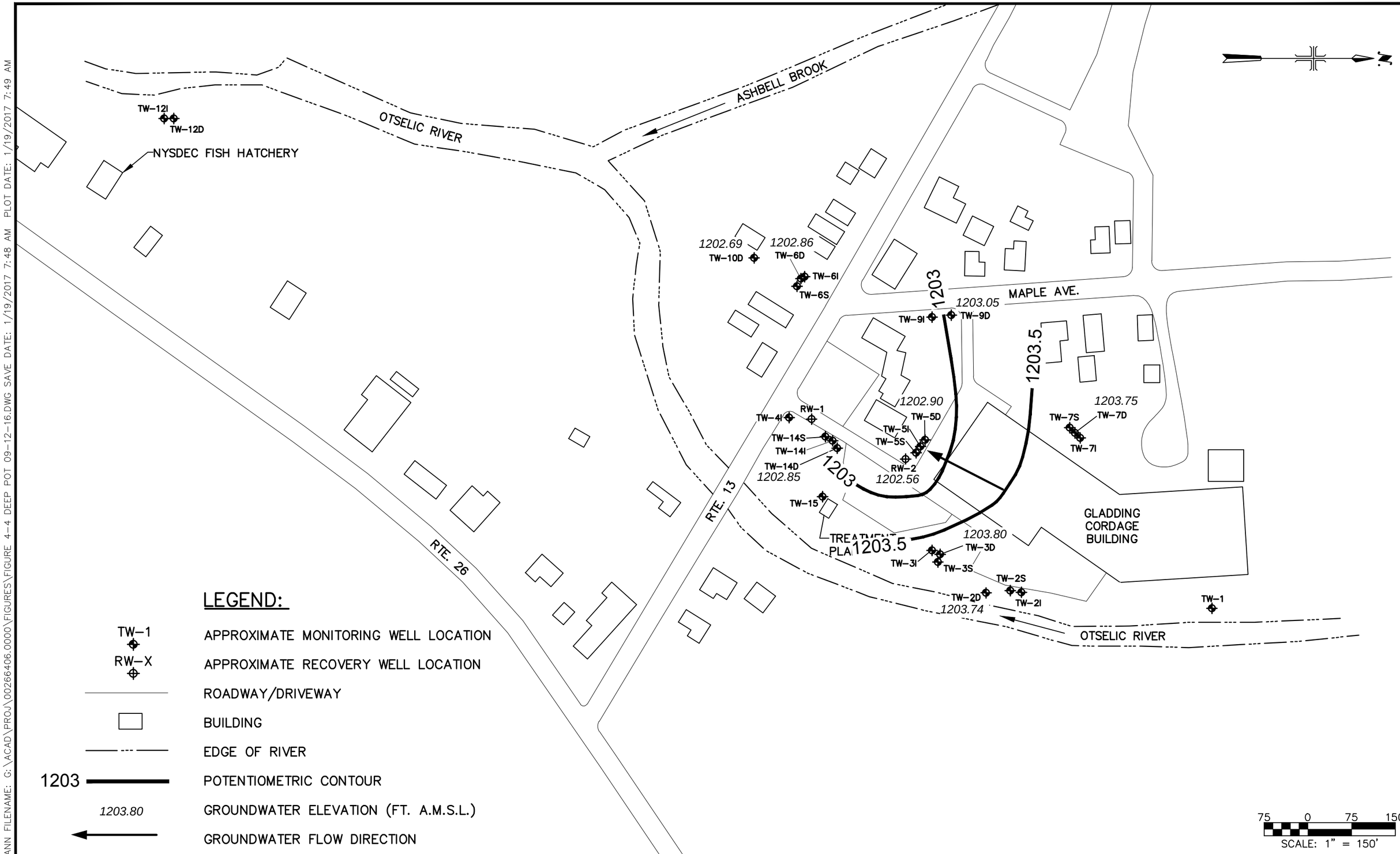
75 0 75 150
SCALE: 1" = 150'

ARCADIS

NYSDEC STANDBY CONTRACT NO. D004443-5
NYSDEC SITE NO. 7-09-009
GLADDING CORDAGE SITE
SOUTH OTSELIC, NEW YORK

INTERMEDIATE POTENTIOMETRIC CONTOUR SURFACE MAP (9/12/16)
SCALE: AS SHOWN

FIGURE 4-3



LEGEND:

- TW-1 — APPROXIMATE MONITORING WELL LOCATION
- RW-X — APPROXIMATE RECOVERY WELL LOCATION
- ROADWAY/DRIVEWAY
- BUILDING
- EDGE OF RIVER
- 1203 — POTENTIOMETRIC CONTOUR
- *1203.80* — GROUNDWATER ELEVATION (FT. A.M.S.L.)
- GROUNDWATER FLOW DIRECTION

ARCADIS

NYSDEC STANDBY CONTRACT NO. D004443-5
NYSDEC SITE NO. 7-09-009
GLADDING CORDAGE SITE
SOUTH OTSELIC, NEW YORK

DEEP POTENTIOMETRIC CONTOUR
SURFACE MAP (9/12/16)
SCALE: AS SHOWN

FIGURE 4-4

APPENDIX A

PLC Facsimile Reports

ProControl Series II+

EOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 07/01/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 01:16:41 ON 06/21/2016 BY ACFAIL

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	HPMPGO is ON	

Analog Inputs:

W1_FLO is	24.8	GPM	TOTAL FLOW is	43551326	GAL			
W2_FLO is	21.3	GPM	TOTAL FLOW is	40263120	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	463757	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	4.68	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	31.38	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	4.2	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI	
W2_PRS is	4.1	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI	
INTEMP is	61.9	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 07/02/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 01:16:41 ON 06/21/2016 BY ACFAIL

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	HPMPGO is ON	

Analog Inputs:

W1_FLO is 24.9	GPM	TOTAL FLOW is	43587197	GAL				
W2_FLO is 21.3	GPM	TOTAL FLOW is	40293957	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	463821	GAL				
HP_PRS is 1.3	PSI	LIMITS are	L: -2.0	PSI	H:	20.0	PSI	
HP_AMP is 0.05	AMP	LIMITS are	L: 0.00	AMP	H:	.....	AMP	
W1_AMP is 4.74	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 31.37	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 4.1	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
W2_PRS is 4.0	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
INTEMP is 62.6	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 07/07/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 12:15:53 ON 07/02/2016 BY ACFAIL

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	HPMPGO is ON	

Analog Inputs:

W1_FLO is	25.1	GPM	TOTAL FLOW is	43628539	GAL			
W2_FLO is	22.3	GPM	TOTAL FLOW is	40330563	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	463873	GAL			
HP_PRS is	1.3	PSI	LIMITS are	L: -2.0	PSI	H: 20.0		PSI
HP_AMP is	0.05	AMP	LIMITS are	L: 0.00	AMP	H:		AMP
W1_AMP is	4.71	AMP	LIMITS are	L: 0.00	AMP	H: 10.00		AMP
W2_AMP is	4.61	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	55.22	FT	LIMITS are	L: 9.00	FT	H: 52.00		FT
W1_PRS is	4.4	PSI	LIMITS are	L: 0.5	PSI	H: 100.0		PSI
W2_PRS is	4.5	PSI	LIMITS are	L: 0.5	PSI	H: 100.0		PSI
INTEMP is	64.4	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 07/09/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 12:15:53 ON 07/02/2016 BY ACFAIL

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	HPMPGO is ON	

Analog Inputs:

W1_FLO is	25.0	GPM	TOTAL FLOW is	43700913	GAL			
W2_FLO is	22.6	GPM	TOTAL FLOW is	40396457	GAL			
ASBPRS is	10.1	IWC	LIMITS are	L: 5.0	IWC	H: 30.0	IWC	
HP_FLO is	0.00	GPM	TOTAL FLOW is	463957	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	4.79	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP	
W2_AMP is	4.69	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	55.26	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	4.2	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI	
INTEMP is	65.7	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 07/10/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 12:15:53 ON 07/02/2016 BY ACFAIL

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	HPMPGO is ON	

Analog Inputs:

W1_FLO is 25.3	GPM	TOTAL FLOW is	43737066	GAL				
W2_FLO is 23.0	GPM	TOTAL FLOW is	40429605	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	463997	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 4.79	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W2_AMP is 4.71	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W1_LVL is 31.07	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 4.1	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
W2_PRS is 4.1	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
INTEMP is 63.6	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 07/11/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 12:15:53 ON 07/02/2016 BY ACFAIL

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	HPMPGO is ON	

Analog Inputs:

W1_FLO is	25.4	GPM	TOTAL FLOW is	43773212	GAL			
W2_FLO is	22.8	GPM	TOTAL FLOW is	40462762	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	464076	GAL			
HP_PRS is	1.3	PSI	LIMITS are	L: -2.0	PSI	H: 20.0		PSI
HP_AMP is	0.05	AMP	LIMITS are	L: 0.00	AMP	H:		AMP
W1_AMP is	4.68	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	31.37	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	4.2	PSI	LIMITS are	L: 0.5	PSI	H: 100.0		PSI
W2_PRS is	4.1	PSI	LIMITS are	L: 0.5	PSI	H: 100.0		PSI
INTEMP is	61.6	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 07/12/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 12:15:53 ON 07/02/2016 BY ACFAIL

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	HPMPGO is ON	

Analog Inputs:

W1_FLO is	25.1	GPM	TOTAL FLOW is	43809256	GAL			
W2_FLO is	23.3	GPM	TOTAL FLOW is	40495866	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	464139	GAL			
HP_PRS is	1.3	PSI	LIMITS are	L: -2.0	PSI	H: 20.0	PSI	
HP_AMP is	0.05	AMP	LIMITS are	L: 0.00	AMP	H:	AMP	
W1_AMP is	4.65	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	31.27	FT	LIMITS are	L: 8.00	FT	H: 28.00	FT	
W2_LVL is	55.22	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	4.1	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI	
INTEMP is	60.9	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 07/13/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 12:15:53 ON 07/02/2016 BY ACFAIL

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:

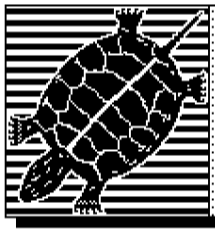
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is	25.3	GPM	TOTAL FLOW is	43845240	GAL			
W2_FLO is	22.8	GPM	TOTAL FLOW is	40528939	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	464192	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	4.69	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP	
W2_AMP is	4.61	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP	
W1_LVL is	31.10	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	4.0	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI	
W2_PRS is	3.9	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



ProControl Series II+

EOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 07/14/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 12:15:53 ON 07/02/2016 BY ACFAIL

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	HPMPGO is ON	

Analog Inputs:

W1_FLO is 25.2	GPM	TOTAL FLOW is	43881152	GAL				
W2_FLO is 22.9	GPM	TOTAL FLOW is	40561959	GAL				
ASBPRS is 10.1	IWC	LIMITS are	L: 5.0	IWC	H:	30.0	IWC	
HP_FLO is 0.00	GPM	TOTAL FLOW is	464227	GAL				
HP_PRS is 1.3	PSI	LIMITS are	L: -2.0	PSI	H:	20.0	PSI	
HP_AMP is 0.05	AMP	LIMITS are	L: 0.00	AMP	H:	.....	AMP	
W1_AMP is 4.64	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 30.93	FT	LIMITS are	L: 8.00	FT	H:	28.00	FT	
W2_LVL is 55.15	FT	LIMITS are	L: 9.00	FT	H:	52.00	FT	
W1_PRS is 3.7	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
W2_PRS is 3.4	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
INTEMP is 66.7	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 07/15/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 12:15:53 ON 07/02/2016 BY ACFAIL

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:

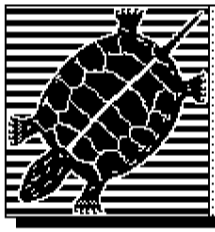
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is	24.9	GPM	TOTAL FLOW is	43917022	GAL			
W2_FLO is	23.2	GPM	TOTAL FLOW is	40594985	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	464260	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	4.66	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	31.06	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	3.7	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI	
W2_PRS is	3.2	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI	
INTEMP is	64.4	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 07/16/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 12:15:53 ON 07/02/2016 BY ACFAIL

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	HPMPGO	is ON		

Analog Inputs:

W1_FLO	is 25.3	GPM	TOTAL FLOW is	43952918	GAL					
W2_FLO	is 23.0	GPM	TOTAL FLOW is	40628042	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	464293	GAL					
HP_PRS	is 1.3	PSI	LIMITS are	L: -2.0	PSI	H:	20.0	PSI		
HP_AMP	is 0.05	AMP	LIMITS are	L: 0.00	AMP	H:	.....	AMP		
W1_AMP	is 4.76	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP		
W2_AMP	is 4.66	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 55.43	FT	LIMITS are	L: 9.00	FT	H:	52.00	FT		
W1_PRS	is 3.7	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI		
W2_PRS	is 3.1	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI		
INTEMP	is 63.0	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 07/17/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 12:15:53 ON 07/02/2016 BY ACFAIL

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	HPMPGO is ON	

Analog Inputs:

W1_FLO is 24.7	GPM	TOTAL FLOW is	43988764	GAL				
W2_FLO is 22.8	GPM	TOTAL FLOW is	40661096	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	464334	GAL				
HP_PRS is 1.3	PSI	LIMITS are	L: -2.0	PSI	H:	20.0	PSI	
HP_AMP is 0.05	AMP	LIMITS are	L: 0.00	AMP	H:	.....	AMP	
W1_AMP is 4.79	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W2_AMP is 4.71	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 55.30	FT	LIMITS are	L: 9.00	FT	H:	52.00	FT	
W1_PRS is 3.8	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
W2_PRS is 3.2	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
INTEMP is 64.0	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 07/18/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 12:15:53 ON 07/02/2016 BY ACFAIL

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	HPMPGO is ON	

Analog Inputs:

W1_FLO is 24.7	GPM	TOTAL FLOW is	44024549	GAL				
W2_FLO is 23.2	GPM	TOTAL FLOW is	40694167	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	464380	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 4.65	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 31.17	FT	LIMITS are	L: 8.00	FT	H:	28.00	FT	
W2_LVL is 55.26	FT	LIMITS are	L: 9.00	FT	H:	52.00	FT	
W1_PRS is 3.8	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
W2_PRS is 3.3	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
INTEMP is 63.4	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 07/19/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 12:15:53 ON 07/02/2016 BY ACFAIL

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	HPMPGO is ON	

Analog Inputs:

W1_FLO is 25.0	GPM	TOTAL FLOW is	44060308	GAL				
W2_FLO is 23.3	GPM	TOTAL FLOW is	40727239	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	464432	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 4.66	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 31.25	FT	LIMITS are	L: 8.00	FT	H:	28.00	FT	
W2_LVL is 55.22	FT	LIMITS are	L: 9.00	FT	H:	52.00	FT	
W1_PRS is 3.6	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
W2_PRS is 2.9	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
INTEMP is 62.6	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 07/20/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 12:15:53 ON 07/02/2016 BY ACFAIL

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	HPMPGO is ON	

Analog Inputs:

W1_FLO is 25.2	GPM	TOTAL FLOW is	44096089	GAL				
W2_FLO is 22.7	GPM	TOTAL FLOW is	40760024	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	464507	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 4.67	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 31.32	FT	LIMITS are	L: 8.00	FT	H:	28.00	FT	
W2_LVL is 55.15	FT	LIMITS are	L: 9.00	FT	H:	52.00	FT	
W1_PRS is 4.0	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
W2_PRS is 3.5	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
INTEMP is 60.3	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 07/21/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 12:15:53 ON 07/02/2016 BY ACFAIL

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	HPMPGO is ON	

Analog Inputs:

W1_FLO is	24.5	GPM	TOTAL FLOW is	44131824	GAL			
W2_FLO is	22.4	GPM	TOTAL FLOW is	40792739	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	464558	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	4.68	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP	
W2_AMP is	4.61	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP	
W1_LVL is	31.22	FT	LIMITS are	L: 8.00	FT	H: 28.00	FT	
W2_LVL is	55.09	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	3.8	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+

EOS Research Ltd. — Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 07/22/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 12:15:53 ON 07/02/2016 BY ACFAIL

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	HPMPGO is ON	

Analog Inputs:

W1_FLO is	25.1	GPM	TOTAL FLOW is	44167546	GAL			
W2_FLO is	23.1	GPM	TOTAL FLOW is	40825461	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	464609	GAL			
HP_PRS is	1.3	PSI	LIMITS are	L: -2.0	PSI	H: 20.0	PSI	
HP_AMP is	0.05	AMP	LIMITS are	L: 0.00	AMP	H:	AMP	
W1_AMP is	4.95	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP	
W2_AMP is	4.85	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP	
W1_LVL is	30.85	FT	LIMITS are	L: 8.00	FT	H: 28.00	FT	
W2_LVL is	55.05	FT	LIMITS are	L: 9.00	FT	H: 52.00	FT	
W1_PRS is	4.0	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI	
W2_PRS is	3.7	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+

EOS Research Ltd.

Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 07/23/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 12:15:53 ON 07/02/2016 BY ACFAIL

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	HPMPGO is ON	

Analog Inputs:

W1_FLO is 24.1	GPM	TOTAL FLOW is	44203239	GAL				
W2_FLO is 22.9	GPM	TOTAL FLOW is	40858159	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	464650	GAL				
HP_PRS is 1.3	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 5.03	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W2_AMP is 4.93	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W1_LVL is 30.82	FT	LIMITS are	L: 8.00	FT	H:	28.00	FT	
W2_LVL is 55.03	FT	LIMITS are	L: 9.00	FT	H:	52.00	FT	
W1_PRS is 3.9	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
W2_PRS is 3.3	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
INTEMP is 64.0	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 07/24/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 12:15:53 ON 07/02/2016 BY ACFAIL

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	HPMPGO is ON	

Analog Inputs:

W1_FLO is 25.2	GPM	TOTAL FLOW is	44238963	GAL				
W2_FLO is 23.0	GPM	TOTAL FLOW is	40890852	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	464677	GAL				
HP_PRS is 1.3	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 5.19	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W2_AMP is 5.09	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 55.03	FT	LIMITS are	L: 9.00	FT	H:	52.00	FT	
W1_PRS is 4.0	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
W2_PRS is 3.5	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
INTEMP is 63.6	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 07/25/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 12:15:53 ON 07/02/2016 BY ACFAIL

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	HPMPGO is ON	

Analog Inputs:

W1_FLO is 25.2	GPM	TOTAL FLOW is	44274666	GAL				
W2_FLO is 22.6	GPM	TOTAL FLOW is	40923547	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	464706	GAL				
HP_PRS is 1.3	PSI	LIMITS are	L: -2.0	PSI	H:	20.0	PSI	
HP_AMP is 0.05	AMP	LIMITS are	L: 0.00	AMP	H:	.....	AMP	
W1_AMP is 4.91	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W2_AMP is 4.81	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W1_LVL is 30.82	FT	LIMITS are	L: 8.00	FT	H:	28.00	FT	
W2_LVL is 54.98	FT	LIMITS are	L: 9.00	FT	H:	52.00	FT	
W1_PRS is 4.0	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
W2_PRS is 3.4	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
INTEMP is 64.9	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 08/04/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 06:27:36 ON 07/31/2016 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 ON	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 ON	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is OFF	

Analog Inputs:

W1_FLO is 0.0	GPM	TOTAL FLOW is	44489448	GAL				
W2_FLO is 0.0	GPM	TOTAL FLOW is	41120013	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	464896	GAL				
HP_PRS is 0.8	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 33.66	FT	LIMITS are	L: 8.00	FT	H:	28.00	FT	
W2_LVL is 56.78	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 68.9	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 08/05/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 06:27:36 ON 07/31/2016 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
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is 25.5	GPM	TOTAL FLOW is	44522332	GAL				
W2_FLO is 23.4	GPM	TOTAL FLOW is	41150231	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	464921	GAL				
HP_PRS is 1.3	PSI	LIMITS are	L: -2.0	PSI	H:	20.0	PSI	
HP_AMP is 0.05	AMP	LIMITS are	L: 0.00	AMP	H:	.....	AMP	
W1_AMP is 4.85	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W2_AMP is 4.76	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W1_LVL is 31.09	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 4.3	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
INTEMP is 65.2	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 08/06/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 06:27:36 ON 07/31/2016 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
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is	25.2	GPM	TOTAL FLOW is	44558713	GAL			
W2_FLO is	22.8	GPM	TOTAL FLOW is	41183738	GAL			
ASBPRS is	10.1	IWC	LIMITS are	L: 5.0	IWC	H: 30.0	IWC	
HP_FLO is	0.00	GPM	TOTAL FLOW is	464921	GAL			
HP_PRS is	1.3	PSI	LIMITS are	L: -2.0	PSI	H: 20.0	PSI	
HP_AMP is	0.05	AMP	LIMITS are	L: 0.00	AMP	H:	AMP	
W1_AMP is	4.94	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP	
W2_AMP is	4.87	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	55.22	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	4.0	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+

EOS Research Ltd. — Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 08/07/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 06:27:36 ON 07/31/2016 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
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is	24.8	GPM	TOTAL FLOW is	44594951	GAL			
W2_FLO is	23.2	GPM	TOTAL FLOW is	41217163	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	464949	GAL			
HP_PRS is	1.3	PSI	LIMITS are	L: -2.0	PSI	H: 20.0	PSI	
HP_AMP is	0.05	AMP	LIMITS are	L: 0.00	AMP	H:	AMP	
W1_AMP is	4.77	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP	
W2_AMP is	4.71	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP	
W1_LVL is	30.82	FT	LIMITS are	L: 8.00	FT	H: 28.00	FT	
W2_LVL is	55.22	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	4.0	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI	
INTEMP is	64.4	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 08/08/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 06:27:36 ON 07/31/2016 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 OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is 25.3	GPM	TOTAL FLOW is	44631183	GAL				
W2_FLO is 23.5	GPM	TOTAL FLOW is	41250589	GAL				
ASBPRS is 10.5	IWC	LIMITS are	L: 5.0	IWC	H:	30.0	IWC	
HP_FLO is 2.30	GPM	TOTAL FLOW is	464992	GAL				
HP_PRS is 8.3	PSI	LIMITS are	L: -2.0	PSI	H:	20.0	PSI	
HP_AMP is 5.60	AMP	LIMITS are	L: 0.00	AMP	H:	.....	AMP	
W1_AMP is 4.66	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W2_AMP is 4.61	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 55.15	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 4.1	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
INTEMP is 62.2	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 08/11/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 06:27:36 ON 07/31/2016 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:

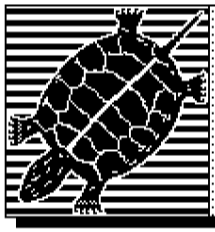
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is	25.2	GPM	TOTAL FLOW is	44739746	GAL			
W2_FLO is	23.4	GPM	TOTAL FLOW is	41351433	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	465080	GAL			
HP_PRS is	1.3	PSI	LIMITS are	L: -2.0	PSI	H: 20.0	PSI	
HP_AMP is	0.05	AMP	LIMITS are	L: 0.00	AMP	H:	AMP	
W1_AMP is	4.61	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	31.88	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	4.0	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI	
W2_PRS is	3.3	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+

EOS Research Ltd.

Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 08/12/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 06:27:36 ON 07/31/2016 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
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is	24.9	GPM	TOTAL FLOW is	44775850	GAL			
W2_FLO is	23.0	GPM	TOTAL FLOW is	41385158	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	465080	GAL			
HP_PRS is	1.4	PSI	LIMITS are	L: -2.0	PSI	H: 20.0	PSI	
HP_AMP is	0.04	AMP	LIMITS are	L: 0.00	AMP	H:	AMP	
W1_AMP is	4.64	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP	
W2_AMP is	4.60	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP	
W1_LVL is	31.39	FT	LIMITS are	L: 8.00	FT	H: 28.00	FT	
W2_LVL is	55.70	FT	LIMITS are	L: 9.00	FT	H: 52.00	FT	
W1_PRS is	3.8	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI	
W2_PRS is	2.7	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI	
INTEMP is	67.4	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 08/13/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 06:27:36 ON 07/31/2016 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
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is 25.1	GPM	TOTAL FLOW is	44811885	GAL				
W2_FLO is 23.6	GPM	TOTAL FLOW is	41418832	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	465087	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 4.66	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W2_AMP is 4.61	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W1_LVL is 31.32	FT	LIMITS are	L: 8.00	FT	H:	28.00	FT	
W2_LVL is 55.70	FT	LIMITS are	L: 9.00	FT	H:	52.00	FT	
W1_PRS is 3.6	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
W2_PRS is 2.2	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
INTEMP is 67.1	DEG	LIMITS are	L: 42.0	DEG	H:	130.0	DEG	

Analog Outputs:

ASBSPD 0.0 PCT MAN

ALARM Fax Report

EOS Research Ltd. ProControl Series II+

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 16:40:48 ON 08/13/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

SHUTD : LAST SHUTDOWN @ 06:27:36 ON 07/31/2016 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 OFF	ASP_HH is OFF	ASP_LO is OFF	FLRSMP is OFF
ACFAIL is OFF	E_STOP is OFF		

Discrete Outputs:

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

Analog Inputs:

W1_FLO is 0.0	GPM	TOTAL FLOW is	44827887	GAL				
W2_FLO is 0.0	GPM	TOTAL FLOW is	41433797	GAL				
ASBPRS is 0.7	IWC	LIMITS are	L: 5.0	IWC	H:	30.0	IWC	
HP_FLO is 0.00	GPM	TOTAL FLOW is	465094	GAL				
HP_PRS is 0.5	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 0.01	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W2_AMP is 0.01	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W1_LVL is 33.09	FT	LIMITS are	L: 8.00	FT	H:	28.00	FT	
W2_LVL is 56.93	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 74.8	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 08/14/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 16:50:48 ON 08/13/2016 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 ON	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is OFF	

Analog Inputs:

W1_FLO is 0.0	GPM	TOTAL FLOW is	44827887	GAL				
W2_FLO is 0.0	GPM	TOTAL FLOW is	41433797	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	465094	GAL				
HP_PRS is 0.8	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 34.38	FT	LIMITS are	L: 8.00	FT	H:	28.00	FT	
W2_LVL is 57.88	FT	LIMITS are	L: 9.00	FT	H:	52.00	FT	
W1_PRS is 2.7	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 69.7	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 08/15/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 16:50:48 ON 08/13/2016 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 ON	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is OFF	

Analog Inputs:

W1_FLO is 0.0	GPM	TOTAL FLOW is	44827887	GAL				
W2_FLO is 0.0	GPM	TOTAL FLOW is	41433797	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	465094	GAL				
HP_PRS is 0.8	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 34.26	FT	LIMITS are	L: 8.00	FT	H:	28.00	FT	
W2_LVL is 57.58	FT	LIMITS are	L: 9.00	FT	H:	52.00	FT	
W1_PRS is 3.0	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 69.1	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 08/16/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 16:50:48 ON 08/13/2016 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
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is 25.4	GPM	TOTAL FLOW is	44851434	GAL				
W2_FLO is 23.7	GPM	TOTAL FLOW is	41455559	GAL				
ASBPRS is 10.3	IWC	LIMITS are	L: 5.0	IWC	H:	30.0	IWC	
HP_FLO is 0.15	GPM	TOTAL FLOW is	465107	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 4.61	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 31.94	FT	LIMITS are	L: 8.00	FT	H:	28.00	FT	
W2_LVL is 55.98	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 3.6	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
INTEMP is 66.0	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 08/17/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 16:50:48 ON 08/13/2016 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
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is	25.5	GPM	TOTAL FLOW is	44887746	GAL			
W2_FLO is	23.2	GPM	TOTAL FLOW is	41489238	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	465120	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	4.66	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	31.72	FT	LIMITS are	L: 8.00	FT	H: 28.00	FT	
W2_LVL is	55.96	FT	LIMITS are	L: 9.00	FT	H: 52.00	FT	
W1_PRS is	3.9	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI	
W2_PRS is	2.9	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI	
INTEMP is	65.7	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 08/18/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 16:50:48 ON 08/13/2016 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
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is	25.4	GPM	TOTAL FLOW is	44924222	GAL			
W2_FLO is	23.1	GPM	TOTAL FLOW is	41522859	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	465160	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	4.65	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	31.49	FT	LIMITS are	L: 8.00	FT	H: 28.00	FT	
W2_LVL is	55.79	FT	LIMITS are	L: 9.00	FT	H: 52.00	FT	
W1_PRS is	4.0	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI	
W2_PRS is	2.5	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI	
INTEMP is	65.4	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 08/19/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 16:50:48 ON 08/13/2016 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:

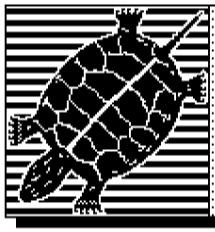
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is 25.4	GPM	TOTAL FLOW is	44960826	GAL				
W2_FLO is 23.5	GPM	TOTAL FLOW is	41556436	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	465187	GAL				
HP_PRS is 1.3	PSI	LIMITS are	L: -2.0	PSI	H:	20.0	PSI	
HP_AMP is 0.05	AMP	LIMITS are	L: 0.00	AMP	H:	.....	AMP	
W1_AMP is 4.66	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 31.44	FT	LIMITS are	L: 8.00	FT	H:	28.00	FT	
W2_LVL is 55.74	FT	LIMITS are	L: 9.00	FT	H:	52.00	FT	
W1_PRS is 3.9	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
W2_PRS is 2.0	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
INTEMP is 64.8	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 08/20/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 16:50:48 ON 08/13/2016 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
VFDRUN	is OFF	VFDRST	is OFF	HPMPGO	is ON		

Analog Inputs:

W1_FLO	is 25.6	GPM	TOTAL FLOW is	44997376	GAL					
W2_FLO	is 23.5	GPM	TOTAL FLOW is	41589979	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	465227	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 4.72	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP		
W2_AMP	is 4.66	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP		
W1_LVL	is 31.22	FT	LIMITS are	L: 8.00	FT	H:	28.00	FT		
W2_LVL	is 55.64	FT	LIMITS are	L: 9.00	FT	H:	52.00	FT		
W1_PRS	is 3.9	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI		
W2_PRS	is 2.1	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI		
INTEMP	is 63.4	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 08/21/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 16:50:48 ON 08/13/2016 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
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is	24.8	GPM	TOTAL FLOW is	45033887	GAL			
W2_FLO is	23.2	GPM	TOTAL FLOW is	41623495	GAL			
ASBPRS is	10.1	IWC	LIMITS are	L: 5.0	IWC	H: 30.0	IWC	
HP_FLO is	0.00	GPM	TOTAL FLOW is	465247	GAL			
HP_PRS is	1.4	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	4.74	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP	
W2_AMP is	4.67	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	55.53	FT	LIMITS are	L: 9.00	FT	H: 52.00	FT	
W1_PRS is	3.9	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI	
W2_PRS is	1.7	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI	
INTEMP is	67.4	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 08/22/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 16:50:48 ON 08/13/2016 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
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is	25.6	GPM	TOTAL FLOW is	45070495	GAL			
W2_FLO is	23.4	GPM	TOTAL FLOW is	41657059	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	465286	GAL			
HP_PRS is	1.4	PSI	LIMITS are	L: -2.0	PSI	H: 20.0	PSI	
HP_AMP is	0.05	AMP	LIMITS are	L: 0.00	AMP	H:	AMP	
W1_AMP is	4.68	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP	
W2_AMP is	4.61	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP	
W1_LVL is	31.86	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	3.9	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI	
W2_PRS is	1.4	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+

EOS Research Ltd.

Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 08/24/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 16:50:48 ON 08/13/2016 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
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is 25.8	GPM	TOTAL FLOW is	45143705	GAL				
W2_FLO is 23.1	GPM	TOTAL FLOW is	41724172	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	465415	GAL				
HP_PRS is 1.4	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 4.65	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 31.77	FT	LIMITS are	L: 8.00	FT	H:	28.00	FT	
W2_LVL is 55.81	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 2.9	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+

EOS Research Ltd. — Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 08/25/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 16:50:48 ON 08/13/2016 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:

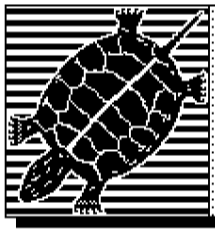
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is 25.7	GPM	TOTAL FLOW is	45180184	GAL				
W2_FLO is 23.2	GPM	TOTAL FLOW is	41757666	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	465454	GAL				
HP_PRS is 1.4	PSI	LIMITS are	L: -2.0	PSI	H:	20.0	PSI	
HP_AMP is 0.04	AMP	LIMITS are	L: 0.00	AMP	H:	.....	AMP	
W1_AMP is 4.64	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W2_AMP is 4.56	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W1_LVL is 31.40	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 2.6	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
INTEMP is 65.4	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 08/26/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 16:50:48 ON 08/13/2016 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 OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is 25.7	GPM	TOTAL FLOW is	45216657	GAL				
W2_FLO is 23.2	GPM	TOTAL FLOW is	41791149	GAL				
ASBPRS is 10.1	IWC	LIMITS are	L: 5.0	IWC	H:	30.0	IWC	
HP_FLO is 2.34	GPM	TOTAL FLOW is	465463	GAL				
HP_PRS is 8.6	PSI	LIMITS are	L: -2.0	PSI	H:	20.0	PSI	
HP_AMP is 5.20	AMP	LIMITS are	L: 0.00	AMP	H:	.....	AMP	
W1_AMP is 4.60	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 31.55	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 3.9	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
W2_PRS is 1.7	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
INTEMP is 68.2	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 08/27/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 16:50:48 ON 08/13/2016 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:

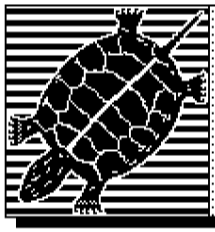
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is 25.2	GPM	TOTAL FLOW is	45253162	GAL				
W2_FLO is 23.4	GPM	TOTAL FLOW is	41824672	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	465494	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 4.70	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W2_AMP is 4.63	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W1_LVL is 31.71	FT	LIMITS are	L: 8.00	FT	H:	28.00	FT	
W2_LVL is 55.81	FT	LIMITS are	L: 9.00	FT	H:	52.00	FT	
W1_PRS is 4.0	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
W2_PRS is 1.5	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
INTEMP is 63.4	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 08/28/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 16:50:48 ON 08/13/2016 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:

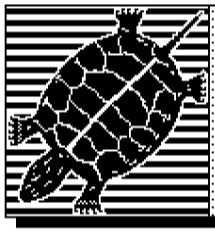
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is	25.9	GPM	TOTAL FLOW is	45289664	GAL			
W2_FLO is	22.9	GPM	TOTAL FLOW is	41858191	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	465535	GAL			
HP_PRS is	1.5	PSI	LIMITS are	L: -2.0	PSI	H: 20.0	PSI	
HP_AMP is	0.05	AMP	LIMITS are	L: 0.00	AMP	H:	AMP	
W1_AMP is	4.70	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP	
W2_AMP is	4.63	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP	
W1_LVL is	31.56	FT	LIMITS are	L: 8.00	FT	H: 28.00	FT	
W2_LVL is	55.70	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	1.5	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI	
INTEMP is	63.9	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 08/29/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 16:50:48 ON 08/13/2016 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:

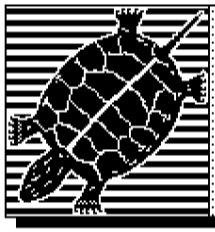
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is	24.9	GPM	TOTAL FLOW is	45326062	GAL			
W2_FLO is	23.5	GPM	TOTAL FLOW is	41891719	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	465541	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	4.66	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	31.45	FT	LIMITS are	L: 8.00	FT	H: 28.00	FT	
W2_LVL is	55.60	FT	LIMITS are	L: 9.00	FT	H: 52.00	FT	
W1_PRS is	3.9	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI	
W2_PRS is	1.1	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI	
INTEMP is	65.4	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 08/30/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 16:50:48 ON 08/13/2016 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
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is	25.4	GPM	TOTAL FLOW is	45362431	GAL			
W2_FLO is	22.4	GPM	TOTAL FLOW is	41925225	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	465587	GAL			
HP_PRS is	1.4	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	4.62	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	31.45	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	4.2	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI	
W2_PRS is	1.3	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI	
INTEMP is	63.4	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 08/31/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 16:50:48 ON 08/13/2016 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:

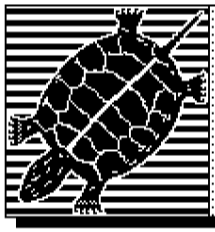
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is 25.1	GPM	TOTAL FLOW is	45398795	GAL				
W2_FLO is 23.3	GPM	TOTAL FLOW is	41958741	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	465633	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 4.65	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 31.17	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 4.1	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
W2_PRS is 1.6	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
INTEMP is 63.6	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 09/01/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 16:50:48 ON 08/13/2016 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
VFDRUN	is OFF	VFDRST	is OFF	HPMPGO	is ON		

Analog Inputs:

W1_FLO	is 25.2	GPM	TOTAL FLOW is	45435158	GAL					
W2_FLO	is 23.2	GPM	TOTAL FLOW is	41992219	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	465665	GAL					
HP_PRS	is 1.4	PSI	LIMITS are	L: -2.0	PSI	H:	20.0	PSI		
HP_AMP	is 0.05	AMP	LIMITS are	L: 0.00	AMP	H:	.....	AMP		
W1_AMP	is 4.66	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 31.00	FT	LIMITS are	L: 8.00	FT	H:	28.00	FT		
W2_LVL	is 55.43	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 1.3	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI		
INTEMP	is 65.6	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 09/02/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 16:50:48 ON 08/13/2016 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
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is	25.1	GPM	TOTAL FLOW is	45471485	GAL			
W2_FLO is	23.0	GPM	TOTAL FLOW is	42025686	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	465724	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	4.63	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	31.21	FT	LIMITS are	L: 8.00	FT	H: 28.00	FT	
W2_LVL is	55.39	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	1.9	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI	
INTEMP is	63.4	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 09/03/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 16:50:48 ON 08/13/2016 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
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is 25.4	GPM	TOTAL FLOW is	45507835	GAL				
W2_FLO is 23.4	GPM	TOTAL FLOW is	42059168	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	465787	GAL				
HP_PRS is 1.3	PSI	LIMITS are	L: -2.0	PSI	H:	20.0	PSI	
HP_AMP is 0.05	AMP	LIMITS are	L: 0.00	AMP	H:	.....	AMP	
W1_AMP is 4.72	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W2_AMP is 4.65	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W1_LVL is 31.31	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 2.9	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+

EOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 09/04/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 16:50:48 ON 08/13/2016 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
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is 25.2	GPM	TOTAL FLOW is	45544178	GAL				
W2_FLO is 23.6	GPM	TOTAL FLOW is	42092694	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	465844	GAL				
HP_PRS is 1.3	PSI	LIMITS are	L: -2.0	PSI	H:	20.0	PSI	
HP_AMP is 0.05	AMP	LIMITS are	L: 0.00	AMP	H:	.....	AMP	
W1_AMP is 4.73	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W2_AMP is 4.66	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W1_LVL is 31.27	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 4.3	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
W2_PRS is 3.4	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+

EOS Research Ltd.

Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 09/05/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 16:50:48 ON 08/13/2016 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
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is 25.2	GPM	TOTAL FLOW is	45580484	GAL				
W2_FLO is 23.7	GPM	TOTAL FLOW is	42126238	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	465889	GAL				
HP_PRS is 1.4	PSI	LIMITS are	L: -2.0	PSI	H:	20.0	PSI	
HP_AMP is 0.05	AMP	LIMITS are	L: 0.00	AMP	H:	.....	AMP	
W1_AMP is 4.69	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W2_AMP is 4.62	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W1_LVL is 31.29	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 3.4	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
INTEMP is 61.7	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 09/06/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 16:50:48 ON 08/13/2016 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
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is 25.4	GPM	TOTAL FLOW is	45616778	GAL				
W2_FLO is 23.1	GPM	TOTAL FLOW is	42159770	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	465947	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 4.63	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 31.09	FT	LIMITS are	L: 8.00	FT	H:	28.00	FT	
W2_LVL is 55.22	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 3.4	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
INTEMP is 61.6	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 09/07/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 16:50:48 ON 08/13/2016 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
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is	25.5	GPM	TOTAL FLOW is	45653041	GAL			
W2_FLO is	23.2	GPM	TOTAL FLOW is	42193293	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	466012	GAL			
HP_PRS is	1.5	PSI	LIMITS are	L: -2.0	PSI	H: 20.0		PSI
HP_AMP is	0.05	AMP	LIMITS are	L: 0.00	AMP	H:		AMP
W1_AMP is	4.65	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	30.94	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	4.4	PSI	LIMITS are	L: 0.5	PSI	H: 100.0		PSI
W2_PRS is	3.5	PSI	LIMITS are	L: 0.5	PSI	H: 100.0		PSI
INTEMP is	63.0	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 09/08/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 16:50:48 ON 08/13/2016 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
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is 25.3	GPM	TOTAL FLOW is	45689262	GAL				
W2_FLO is 23.7	GPM	TOTAL FLOW is	42226780	GAL				
ASBPRS is 10.1	IWC	LIMITS are	L: 5.0	IWC	H:	30.0	IWC	
HP_FLO is 0.00	GPM	TOTAL FLOW is	466046	GAL				
HP_PRS is 1.3	PSI	LIMITS are	L: -2.0	PSI	H:	20.0	PSI	
HP_AMP is 0.05	AMP	LIMITS are	L: 0.00	AMP	H:	.....	AMP	
W1_AMP is 4.62	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W2_AMP is 4.56	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W1_LVL is 30.78	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 2.8	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
INTEMP is 66.4	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 09/09/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 16:50:48 ON 08/13/2016 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
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is	25.2	GPM	TOTAL FLOW is	45725507	GAL			
W2_FLO is	23.4	GPM	TOTAL FLOW is	42260284	GAL			
ASBPRS is	10.1	IWC	LIMITS are	L: 5.0	IWC	H: 30.0	IWC	
HP_FLO is	0.00	GPM	TOTAL FLOW is	466052	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	4.61	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	31.14	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	4.1	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI	
W2_PRS is	1.8	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI	
INTEMP is	67.0	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 09/10/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 16:50:48 ON 08/13/2016 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
VFDRUN	is OFF	VFDRST	is OFF	HPMPGO	is ON		

Analog Inputs:

W1_FLO	is 25.4	GPM	TOTAL FLOW is	45761833	GAL					
W2_FLO	is 23.2	GPM	TOTAL FLOW is	42293807	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	466072	GAL					
HP_PRS	is 1.4	PSI	LIMITS are	L: -2.0	PSI	H:	20.0	PSI		
HP_AMP	is 0.05	AMP	LIMITS are	L: 0.00	AMP	H:	.....	AMP		
W1_AMP	is 4.68	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP		
W2_AMP	is 4.61	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP		
W1_LVL	is 31.27	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 4.1	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI		
W2_PRS	is 1.3	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI		
INTEMP	is 66.4	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 09/11/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 16:50:48 ON 08/13/2016 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:

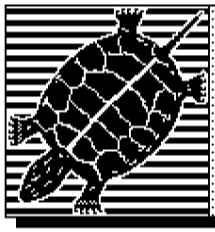
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is 25.2	GPM	TOTAL FLOW is	45798096	GAL				
W2_FLO is 23.0	GPM	TOTAL FLOW is	42327312	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	466091	GAL				
HP_PRS is 1.3	PSI	LIMITS are	L: -2.0	PSI	H:	20.0	PSI	
HP_AMP is 0.05	AMP	LIMITS are	L: 0.00	AMP	H:	.....	AMP	
W1_AMP is 4.73	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W2_AMP is 4.66	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W1_LVL is 31.05	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 3.8	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
W2_PRS is 0.9	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
INTEMP is 67.1	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 09/12/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 16:50:48 ON 08/13/2016 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
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is	25.3	GPM	TOTAL FLOW is	45834414	GAL			
W2_FLO is	23.2	GPM	TOTAL FLOW is	42360847	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	466142	GAL			
HP_PRS is	1.4	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	4.60	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	31.37	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	2.0	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI	
INTEMP is	60.3	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 09/13/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 16:50:48 ON 08/13/2016 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
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is 25.2	GPM	TOTAL FLOW is	45870676	GAL				
W2_FLO is 23.0	GPM	TOTAL FLOW is	42394352	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	466210	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 4.68	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W2_AMP is 4.61	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W1_LVL is 31.27	FT	LIMITS are	L: 8.00	FT	H:	28.00	FT	
W2_LVL is 55.32	FT	LIMITS are	L: 9.00	FT	H:	52.00	FT	
W1_PRS is 4.5	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
W2_PRS is 3.2	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+

EOS Research Ltd. Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 09/14/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 16:50:48 ON 08/13/2016 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
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is 24.8	GPM	TOTAL FLOW is	45906898	GAL				
W2_FLO is 23.3	GPM	TOTAL FLOW is	42427831	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	466267	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 4.67	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W2_AMP is 4.62	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W1_LVL is 31.09	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 2.9	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
INTEMP is 63.6	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 09/20/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 15:02:21 ON 09/14/2016 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
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is	24.9	GPM	TOTAL FLOW is	46065290	GAL			
W2_FLO is	23.1	GPM	TOTAL FLOW is	42574288	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	466489	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	4.66	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	31.22	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	2.9	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI	
INTEMP is	62.6	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 09/21/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 15:02:21 ON 09/14/2016 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
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is 25.1	GPM	TOTAL FLOW is	46101715	GAL				
W2_FLO is 23.6	GPM	TOTAL FLOW is	42607986	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	466546	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 4.66	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 31.26	FT	LIMITS are	L: 8.00	FT	H:	28.00	FT	
W2_LVL is 55.32	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 2.8	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
INTEMP is 61.6	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 09/22/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 15:02:21 ON 09/14/2016 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
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is 24.9	GPM	TOTAL FLOW is	46138104	GAL				
W2_FLO is 23.6	GPM	TOTAL FLOW is	42641657	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	466624	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 4.67	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 31.17	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 3.2	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
INTEMP is 60.2	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 09/23/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 15:02:21 ON 09/14/2016 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
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is 25.6	GPM	TOTAL FLOW is	46174449	GAL				
W2_FLO is 23.1	GPM	TOTAL FLOW is	42675239	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	466669	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 4.71	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W2_AMP is 4.63	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 55.20	FT	LIMITS are	L: 9.00	FT	H:	52.00	FT	
W1_PRS is 4.5	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
W2_PRS is 3.2	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
INTEMP is 63.6	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 09/24/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 15:02:21 ON 09/14/2016 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
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is 25.1	GPM	TOTAL FLOW is	46210810	GAL				
W2_FLO is 23.4	GPM	TOTAL FLOW is	42708823	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	466727	GAL				
HP_PRS is 1.4	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 4.73	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W2_AMP is 4.65	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 55.22	FT	LIMITS are	L: 9.00	FT	H:	52.00	FT	
W1_PRS is 4.5	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
W2_PRS is 3.1	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
INTEMP is 62.0	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 09/25/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 15:02:21 ON 09/14/2016 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
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is 25.2	GPM	TOTAL FLOW is	46247251	GAL				
W2_FLO is 23.1	GPM	TOTAL FLOW is	42742521	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	466823	GAL				
HP_PRS is 1.3	PSI	LIMITS are	L: -2.0	PSI	H:	20.0	PSI	
HP_AMP is 0.05	AMP	LIMITS are	L: 0.00	AMP	H:	.....	AMP	
W1_AMP is 4.69	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W2_AMP is 4.62	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W1_LVL is 31.07	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 4.5	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
W2_PRS is 4.4	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
INTEMP is 58.7	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 09/26/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 15:02:21 ON 09/14/2016 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
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is 25.2	GPM	TOTAL FLOW is	46283704	GAL				
W2_FLO is 23.7	GPM	TOTAL FLOW is	42776204	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	466919	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 4.59	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 30.96	FT	LIMITS are	L: 8.00	FT	H:	28.00	FT	
W2_LVL is 55.09	FT	LIMITS are	L: 9.00	FT	H:	52.00	FT	
W1_PRS is 4.5	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 58.6	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 09/27/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 15:02:21 ON 09/14/2016 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
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is 25.7	GPM	TOTAL FLOW is	46320199	GAL				
W2_FLO is 23.2	GPM	TOTAL FLOW is	42809904	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	466987	GAL				
HP_PRS is 1.3	PSI	LIMITS are	L: -2.0	PSI	H:	20.0	PSI	
HP_AMP is 0.05	AMP	LIMITS are	L: 0.00	AMP	H:	.....	AMP	
W1_AMP is 4.83	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W2_AMP is 4.76	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W1_LVL is 30.78	FT	LIMITS are	L: 8.00	FT	H:	28.00	FT	
W2_LVL is 55.15	FT	LIMITS are	L: 9.00	FT	H:	52.00	FT	
W1_PRS is 4.6	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 62.5	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 09/28/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 15:02:21 ON 09/14/2016 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
VFDRUN	is OFF	VFDRST	is OFF	HPMPGO	is ON		

Analog Inputs:

W1_FLO	is 25.2	GPM	TOTAL FLOW is	46356698	GAL					
W2_FLO	is 23.4	GPM	TOTAL FLOW is	42843609	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	467050	GAL					
HP_PRS	is 1.3	PSI	LIMITS are	L: -2.0	PSI	H:	20.0	PSI		
HP_AMP	is 0.05	AMP	LIMITS are	L: 0.00	AMP	H:	.....	AMP		
W1_AMP	is 4.84	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP		
W2_AMP	is 4.78	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 55.17	FT	LIMITS are	L: 9.00	FT	H:	52.00	FT		
W1_PRS	is 4.6	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 60.1	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 09/29/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 15:02:21 ON 09/14/2016 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
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is	25.6	GPM	TOTAL FLOW is	46393157	GAL			
W2_FLO is	23.1	GPM	TOTAL FLOW is	42877281	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	467125	GAL			
HP_PRS is	1.3	PSI	LIMITS are	L: -2.0	PSI	H: 20.0	PSI	
HP_AMP is	0.05	AMP	LIMITS are	L: 0.00	AMP	H:	AMP	
W1_AMP is	4.83	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP	
W2_AMP is	4.74	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP	
W1_LVL is	31.14	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	4.6	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	61.6	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 09/30/2016
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 15:02:21 ON 09/14/2016 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
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is 25.7	GPM	TOTAL FLOW is	46429587	GAL				
W2_FLO is 23.4	GPM	TOTAL FLOW is	42910930	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	467203	GAL				
HP_PRS is 1.3	PSI	LIMITS are	L: -2.0	PSI	H:	20.0	PSI	
HP_AMP is 0.05	AMP	LIMITS are	L: 0.00	AMP	H:	.....	AMP	
W1_AMP is 4.85	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W2_AMP is 4.77	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W1_LVL is 31.17	FT	LIMITS are	L: 8.00	FT	H:	28.00	FT	
W2_LVL is 55.05	FT	LIMITS are	L: 9.00	FT	H:	52.00	FT	
W1_PRS is 4.5	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 61.6	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	7/25/2016
Inspector	L. Whalen
Time	7:10

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

Recovery Wells	**RW-1**	**RW-2**
Flow Rate (GPM)	25.1	22.6
Total Flow (Gallons)	44274666	40923547
Water Level (Feet Above Probe)	30.81	54.96
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)	10.2	Water Leaks (Y/N)	No
Influent/Effluent Piping OK? (Y/N)	Yes	Water Temperature (°F)	52

Heat Exchanger			
Heat (On/Off)	On	Building Temperature (°F)	72
Heat Exchanger Flow (GPM)	0.0	Heat Exchanger Pressure (PSI)	1.4

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

Notes:

Gladding Cordage
South Otselic, New York
NYSDEC Site #709009

Date	8/18/2016
Inspector	L. Whalen
Time	7:10

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

Recovery Wells	**RW-1**	**RW-2**
Flow Rate (GPM)	25.8	23.2
Total Flow (Gallons)	44924222	41522859
Water Level (Feet Above Probe)	31.51	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)	10.3	Water Leaks (Y/N)	No
Influent/Effluent Piping OK? (Y/N)	Yes	Water Temperature (°F)	52

Heat Exchanger			
Heat (On/Off)	On	Building Temperature (°F)	71
Heat Exchanger Flow (GPM)	0.0	Heat Exchanger Pressure (PSI)	1.3

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

Notes:

Gladding Cordage
South Otselic, New York
NYSDEC Site #709009

Date	9/16/2016
Inspector	L. Whalen
Time	8:00

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

Recovery Wells	**RW-1**	**RW-2**
Flow Rate (GPM)	25.6	23.7
Total Flow (Gallons)	Not reported	Not reported
Water Level (Feet Above Probe)	31.33	55.24
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)	10.7	Water Leaks (Y/N)	No
Influent/Effluent Piping OK? (Y/N)	Yes	Water Temperature (°F)	51

Heat Exchanger			
Heat (On/Off)	On	Building Temperature (°F)	69
Heat Exchanger Flow (GPM)	0.0	Heat Exchanger Pressure (PSI)	1.3

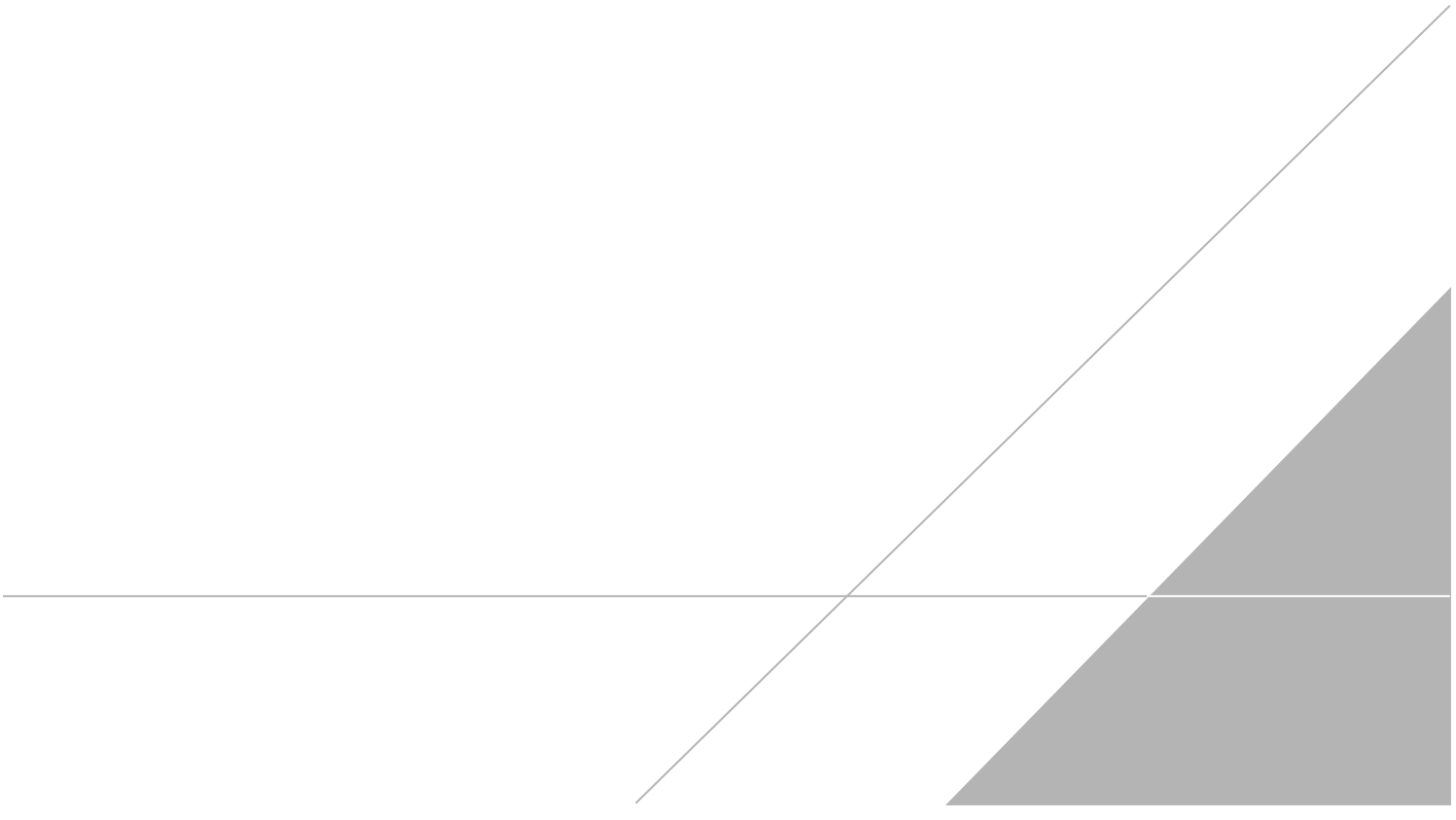
General Building/Site			
Building Condition OK? (Y/N)	Yes	Circuit Breakers Checked (Y/N)	Yes
Grass Mowed (Y/N)	Yes	Outfall Condition OK? (Y/N)	Yes
Monitoring Wells OK? (Y/N)	Yes	Samples Collected (Y/N)	Yes

Notes:

System down on arrival due to ASB VFD Alarm - likely caused by power interruption.
System restarted at 6:52.

APPENDIX C

Analytical Reporting Forms



con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

July 12, 2016

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

Project Location: S. Otselic, NY
Client Job Number:
Project Number: 00266406.0000
Laboratory Work Order Number: 16F1367

Enclosed are results of analyses for samples received by the laboratory on June 27, 2016. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Aaron L. Benoit
Project Manager

Table of Contents

con-test® ANALYTICAL LABORATORY

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: 7/12/2016

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 00266406.0000

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 16F1367

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

PROJECT LOCATION: S. Otselic, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
RW-1	16F1367-01	Ground Water		EPA 624	
RW-2	16F1367-02	Ground Water		EPA 624	
EFF 46 HZ	16F1367-03	Ground Water		EPA 624	
Trip Blank	16F1367-04	Trip Blank Water		EPA 624	

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

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.

Tod E. Kopyscinski
Laboratory Director

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: S. Otselic, NY | Sample Description: | Work Order: 16F1367

Date Received: 6/27/2016

Field Sample #: RW-1 | Sampled: 6/24/2016 07:30

Sample ID: 16F1367-01

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	ND	1.0	0.12	µg/L	1		EPA 624	7/7/16	7/8/16 7:52	MFF
Bromodichloromethane	ND	2.0	0.30	µg/L	1		EPA 624	7/7/16	7/8/16 7:52	MFF
Bromoform	ND	2.0	0.21	µg/L	1		EPA 624	7/7/16	7/8/16 7:52	MFF
Bromomethane	ND	2.0	0.94	µg/L	1		EPA 624	7/7/16	7/8/16 7:52	MFF
Carbon Tetrachloride	ND	2.0	0.25	µg/L	1		EPA 624	7/7/16	7/8/16 7:52	MFF
Chlorobenzene	ND	2.0	0.16	µg/L	1		EPA 624	7/7/16	7/8/16 7:52	MFF
Chlorodibromomethane	ND	2.0	0.10	µg/L	1		EPA 624	7/7/16	7/8/16 7:52	MFF
Chloroethane	ND	2.0	0.28	µg/L	1		EPA 624	7/7/16	7/8/16 7:52	MFF
2-Chloroethyl Vinyl Ether	ND	10	2.2	µg/L	1		EPA 624	7/7/16	7/8/16 7:52	MFF
Chloroform	ND	2.0	0.22	µg/L	1		EPA 624	7/7/16	7/8/16 7:52	MFF
Chloromethane	ND	2.0	0.55	µg/L	1		EPA 624	7/7/16	7/8/16 7:52	MFF
1,2-Dichlorobenzene	ND	2.0	0.17	µg/L	1		EPA 624	7/7/16	7/8/16 7:52	MFF
1,3-Dichlorobenzene	ND	2.0	0.17	µg/L	1		EPA 624	7/7/16	7/8/16 7:52	MFF
1,4-Dichlorobenzene	ND	2.0	0.15	µg/L	1		EPA 624	7/7/16	7/8/16 7:52	MFF
1,2-Dichloroethane	ND	2.0	0.19	µg/L	1		EPA 624	7/7/16	7/8/16 7:52	MFF
1,1-Dichloroethane	1.1	2.0	0.16	µg/L	1	J	EPA 624	7/7/16	7/8/16 7:52	MFF
1,1-Dichloroethylene	0.69	2.0	0.21	µg/L	1	J	EPA 624	7/7/16	7/8/16 7:52	MFF
trans-1,2-Dichloroethylene	ND	2.0	0.15	µg/L	1		EPA 624	7/7/16	7/8/16 7:52	MFF
1,2-Dichloropropane	ND	2.0	0.13	µg/L	1		EPA 624	7/7/16	7/8/16 7:52	MFF
cis-1,3-Dichloropropene	ND	2.0	0.12	µg/L	1		EPA 624	7/7/16	7/8/16 7:52	MFF
trans-1,3-Dichloropropene	ND	2.0	0.11	µg/L	1		EPA 624	7/7/16	7/8/16 7:52	MFF
Ethylbenzene	ND	2.0	0.13	µg/L	1		EPA 624	7/7/16	7/8/16 7:52	MFF
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.090	µg/L	1		EPA 624	7/7/16	7/8/16 7:52	MFF
Methylene Chloride	ND	5.0	3.2	µg/L	1		EPA 624	7/7/16	7/8/16 7:52	MFF
1,1,2,2-Tetrachloroethane	ND	2.0	0.16	µg/L	1		EPA 624	7/7/16	7/8/16 7:52	MFF
Tetrachloroethylene	ND	2.0	0.27	µg/L	1		EPA 624	7/7/16	7/8/16 7:52	MFF
Toluene	ND	1.0	0.17	µg/L	1		EPA 624	7/7/16	7/8/16 7:52	MFF
1,1,1-Trichloroethane	32	2.0	0.13	µg/L	1		EPA 624	7/7/16	7/8/16 7:52	MFF
1,1,2-Trichloroethane	ND	2.0	0.24	µg/L	1		EPA 624	7/7/16	7/8/16 7:52	MFF
Trichloroethylene	ND	2.0	0.20	µg/L	1		EPA 624	7/7/16	7/8/16 7:52	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		EPA 624	7/7/16	7/8/16 7:52	MFF
Vinyl Chloride	ND	2.0	0.13	µg/L	1		EPA 624	7/7/16	7/8/16 7:52	MFF
m+p Xylene	ND	2.0	0.26	µg/L	1		EPA 624	7/7/16	7/8/16 7:52	MFF
o-Xylene	ND	2.0	0.13	µg/L	1		EPA 624	7/7/16	7/8/16 7:52	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.4	70-130		7/8/16 7:52
Toluene-d8	97.3	70-130		7/8/16 7:52
4-Bromofluorobenzene	104	70-130		7/8/16 7:52

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: S. Otselic, NY | Sample Description: | Work Order: 16F1367

Date Received: 6/27/2016

Field Sample #: RW-2 | Sampled: 6/24/2016 07:35

Sample ID: 16F1367-02

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	ND	1.0	0.12	µg/L	1		EPA 624	7/7/16	7/8/16 8:19	MFF
Bromodichloromethane	ND	2.0	0.30	µg/L	1		EPA 624	7/7/16	7/8/16 8:19	MFF
Bromoform	ND	2.0	0.21	µg/L	1		EPA 624	7/7/16	7/8/16 8:19	MFF
Bromomethane	ND	2.0	0.94	µg/L	1		EPA 624	7/7/16	7/8/16 8:19	MFF
Carbon Tetrachloride	ND	2.0	0.25	µg/L	1		EPA 624	7/7/16	7/8/16 8:19	MFF
Chlorobenzene	ND	2.0	0.16	µg/L	1		EPA 624	7/7/16	7/8/16 8:19	MFF
Chlorodibromomethane	ND	2.0	0.10	µg/L	1		EPA 624	7/7/16	7/8/16 8:19	MFF
Chloroethane	ND	2.0	0.28	µg/L	1		EPA 624	7/7/16	7/8/16 8:19	MFF
2-Chloroethyl Vinyl Ether	ND	10	2.2	µg/L	1		EPA 624	7/7/16	7/8/16 8:19	MFF
Chloroform	ND	2.0	0.22	µg/L	1		EPA 624	7/7/16	7/8/16 8:19	MFF
Chloromethane	ND	2.0	0.55	µg/L	1		EPA 624	7/7/16	7/8/16 8:19	MFF
1,2-Dichlorobenzene	ND	2.0	0.17	µg/L	1		EPA 624	7/7/16	7/8/16 8:19	MFF
1,3-Dichlorobenzene	ND	2.0	0.17	µg/L	1		EPA 624	7/7/16	7/8/16 8:19	MFF
1,4-Dichlorobenzene	ND	2.0	0.15	µg/L	1		EPA 624	7/7/16	7/8/16 8:19	MFF
1,2-Dichloroethane	ND	2.0	0.19	µg/L	1		EPA 624	7/7/16	7/8/16 8:19	MFF
1,1-Dichloroethane	0.58	2.0	0.16	µg/L	1	J	EPA 624	7/7/16	7/8/16 8:19	MFF
1,1-Dichloroethylene	0.58	2.0	0.21	µg/L	1	J	EPA 624	7/7/16	7/8/16 8:19	MFF
trans-1,2-Dichloroethylene	ND	2.0	0.15	µg/L	1		EPA 624	7/7/16	7/8/16 8:19	MFF
1,2-Dichloropropane	ND	2.0	0.13	µg/L	1		EPA 624	7/7/16	7/8/16 8:19	MFF
cis-1,3-Dichloropropene	ND	2.0	0.12	µg/L	1		EPA 624	7/7/16	7/8/16 8:19	MFF
trans-1,3-Dichloropropene	ND	2.0	0.11	µg/L	1		EPA 624	7/7/16	7/8/16 8:19	MFF
Ethylbenzene	ND	2.0	0.13	µg/L	1		EPA 624	7/7/16	7/8/16 8:19	MFF
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.090	µg/L	1		EPA 624	7/7/16	7/8/16 8:19	MFF
Methylene Chloride	ND	5.0	3.2	µg/L	1		EPA 624	7/7/16	7/8/16 8:19	MFF
1,1,2,2-Tetrachloroethane	ND	2.0	0.16	µg/L	1		EPA 624	7/7/16	7/8/16 8:19	MFF
Tetrachloroethylene	ND	2.0	0.27	µg/L	1		EPA 624	7/7/16	7/8/16 8:19	MFF
Toluene	ND	1.0	0.17	µg/L	1		EPA 624	7/7/16	7/8/16 8:19	MFF
1,1,1-Trichloroethane	33	2.0	0.13	µg/L	1		EPA 624	7/7/16	7/8/16 8:19	MFF
1,1,2-Trichloroethane	ND	2.0	0.24	µg/L	1		EPA 624	7/7/16	7/8/16 8:19	MFF
Trichloroethylene	ND	2.0	0.20	µg/L	1		EPA 624	7/7/16	7/8/16 8:19	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		EPA 624	7/7/16	7/8/16 8:19	MFF
Vinyl Chloride	ND	2.0	0.13	µg/L	1		EPA 624	7/7/16	7/8/16 8:19	MFF
m+p Xylene	ND	2.0	0.26	µg/L	1		EPA 624	7/7/16	7/8/16 8:19	MFF
o-Xylene	ND	2.0	0.13	µg/L	1		EPA 624	7/7/16	7/8/16 8:19	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.0	70-130		7/8/16 8:19
Toluene-d8	97.0	70-130		7/8/16 8:19
4-Bromofluorobenzene	102	70-130		7/8/16 8:19

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: S. Otselic, NY | Sample Description: | Work Order: 16F1367

Date Received: 6/27/2016

Field Sample #: EFF 46 HZ | Sampled: 6/24/2016 07:40

Sample ID: 16F1367-03

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	ND	1.0	0.12	µg/L	1		EPA 624	7/7/16	7/8/16 6:58	MFF
Bromodichloromethane	ND	2.0	0.30	µg/L	1		EPA 624	7/7/16	7/8/16 6:58	MFF
Bromoform	ND	2.0	0.21	µg/L	1		EPA 624	7/7/16	7/8/16 6:58	MFF
Bromomethane	ND	2.0	0.94	µg/L	1		EPA 624	7/7/16	7/8/16 6:58	MFF
Carbon Tetrachloride	ND	2.0	0.25	µg/L	1		EPA 624	7/7/16	7/8/16 6:58	MFF
Chlorobenzene	ND	2.0	0.16	µg/L	1		EPA 624	7/7/16	7/8/16 6:58	MFF
Chlorodibromomethane	ND	2.0	0.10	µg/L	1		EPA 624	7/7/16	7/8/16 6:58	MFF
Chloroethane	ND	2.0	0.28	µg/L	1		EPA 624	7/7/16	7/8/16 6:58	MFF
2-Chloroethyl Vinyl Ether	ND	10	2.2	µg/L	1		EPA 624	7/7/16	7/8/16 6:58	MFF
Chloroform	ND	2.0	0.22	µg/L	1		EPA 624	7/7/16	7/8/16 6:58	MFF
Chloromethane	ND	2.0	0.55	µg/L	1		EPA 624	7/7/16	7/8/16 6:58	MFF
1,2-Dichlorobenzene	ND	2.0	0.17	µg/L	1		EPA 624	7/7/16	7/8/16 6:58	MFF
1,3-Dichlorobenzene	ND	2.0	0.17	µg/L	1		EPA 624	7/7/16	7/8/16 6:58	MFF
1,4-Dichlorobenzene	ND	2.0	0.15	µg/L	1		EPA 624	7/7/16	7/8/16 6:58	MFF
1,2-Dichloroethane	ND	2.0	0.19	µg/L	1		EPA 624	7/7/16	7/8/16 6:58	MFF
1,1-Dichloroethane	ND	2.0	0.16	µg/L	1		EPA 624	7/7/16	7/8/16 6:58	MFF
1,1-Dichloroethylene	ND	2.0	0.21	µg/L	1		EPA 624	7/7/16	7/8/16 6:58	MFF
trans-1,2-Dichloroethylene	ND	2.0	0.15	µg/L	1		EPA 624	7/7/16	7/8/16 6:58	MFF
1,2-Dichloropropane	ND	2.0	0.13	µg/L	1		EPA 624	7/7/16	7/8/16 6:58	MFF
cis-1,3-Dichloropropene	ND	2.0	0.12	µg/L	1		EPA 624	7/7/16	7/8/16 6:58	MFF
trans-1,3-Dichloropropene	ND	2.0	0.11	µg/L	1		EPA 624	7/7/16	7/8/16 6:58	MFF
Ethylbenzene	ND	2.0	0.13	µg/L	1		EPA 624	7/7/16	7/8/16 6:58	MFF
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.090	µg/L	1		EPA 624	7/7/16	7/8/16 6:58	MFF
Methylene Chloride	ND	5.0	3.2	µg/L	1		EPA 624	7/7/16	7/8/16 6:58	MFF
1,1,2,2-Tetrachloroethane	ND	2.0	0.16	µg/L	1		EPA 624	7/7/16	7/8/16 6:58	MFF
Tetrachloroethylene	ND	2.0	0.27	µg/L	1		EPA 624	7/7/16	7/8/16 6:58	MFF
Toluene	ND	1.0	0.17	µg/L	1		EPA 624	7/7/16	7/8/16 6:58	MFF
1,1,1-Trichloroethane	ND	2.0	0.13	µg/L	1		EPA 624	7/7/16	7/8/16 6:58	MFF
1,1,2-Trichloroethane	ND	2.0	0.24	µg/L	1		EPA 624	7/7/16	7/8/16 6:58	MFF
Trichloroethylene	ND	2.0	0.20	µg/L	1		EPA 624	7/7/16	7/8/16 6:58	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		EPA 624	7/7/16	7/8/16 6:58	MFF
Vinyl Chloride	ND	2.0	0.13	µg/L	1		EPA 624	7/7/16	7/8/16 6:58	MFF
m+p Xylene	ND	2.0	0.26	µg/L	1		EPA 624	7/7/16	7/8/16 6:58	MFF
o-Xylene	ND	2.0	0.13	µg/L	1		EPA 624	7/7/16	7/8/16 6:58	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.5	70-130		7/8/16 6:58
Toluene-d8	97.4	70-130		7/8/16 6:58
4-Bromofluorobenzene	104	70-130		7/8/16 6:58

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

Project Location: S. Otselic, NY | Sample Description: | Work Order: 16F1367

Date Received: 6/27/2016

Field Sample #: Trip Blank | Sampled: 6/24/2016 00:00

Sample ID: 16F1367-04

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	ND	1.0	0.12	µg/L	1		EPA 624	7/7/16	7/8/16 7:25	MFF
Bromodichloromethane	ND	2.0	0.30	µg/L	1		EPA 624	7/7/16	7/8/16 7:25	MFF
Bromoform	ND	2.0	0.21	µg/L	1		EPA 624	7/7/16	7/8/16 7:25	MFF
Bromomethane	ND	2.0	0.94	µg/L	1		EPA 624	7/7/16	7/8/16 7:25	MFF
Carbon Tetrachloride	ND	2.0	0.25	µg/L	1		EPA 624	7/7/16	7/8/16 7:25	MFF
Chlorobenzene	ND	2.0	0.16	µg/L	1		EPA 624	7/7/16	7/8/16 7:25	MFF
Chlorodibromomethane	ND	2.0	0.10	µg/L	1		EPA 624	7/7/16	7/8/16 7:25	MFF
Chloroethane	ND	2.0	0.28	µg/L	1		EPA 624	7/7/16	7/8/16 7:25	MFF
2-Chloroethyl Vinyl Ether	ND	10	2.2	µg/L	1		EPA 624	7/7/16	7/8/16 7:25	MFF
Chloroform	ND	2.0	0.22	µg/L	1		EPA 624	7/7/16	7/8/16 7:25	MFF
Chloromethane	ND	2.0	0.55	µg/L	1		EPA 624	7/7/16	7/8/16 7:25	MFF
1,2-Dichlorobenzene	ND	2.0	0.17	µg/L	1		EPA 624	7/7/16	7/8/16 7:25	MFF
1,3-Dichlorobenzene	ND	2.0	0.17	µg/L	1		EPA 624	7/7/16	7/8/16 7:25	MFF
1,4-Dichlorobenzene	ND	2.0	0.15	µg/L	1		EPA 624	7/7/16	7/8/16 7:25	MFF
1,2-Dichloroethane	ND	2.0	0.19	µg/L	1		EPA 624	7/7/16	7/8/16 7:25	MFF
1,1-Dichloroethane	ND	2.0	0.16	µg/L	1		EPA 624	7/7/16	7/8/16 7:25	MFF
1,1-Dichloroethylene	ND	2.0	0.21	µg/L	1		EPA 624	7/7/16	7/8/16 7:25	MFF
trans-1,2-Dichloroethylene	ND	2.0	0.15	µg/L	1		EPA 624	7/7/16	7/8/16 7:25	MFF
1,2-Dichloropropane	ND	2.0	0.13	µg/L	1		EPA 624	7/7/16	7/8/16 7:25	MFF
cis-1,3-Dichloropropene	ND	2.0	0.12	µg/L	1		EPA 624	7/7/16	7/8/16 7:25	MFF
trans-1,3-Dichloropropene	ND	2.0	0.11	µg/L	1		EPA 624	7/7/16	7/8/16 7:25	MFF
Ethylbenzene	ND	2.0	0.13	µg/L	1		EPA 624	7/7/16	7/8/16 7:25	MFF
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.090	µg/L	1		EPA 624	7/7/16	7/8/16 7:25	MFF
Methylene Chloride	ND	5.0	3.2	µg/L	1		EPA 624	7/7/16	7/8/16 7:25	MFF
1,1,2,2-Tetrachloroethane	ND	2.0	0.16	µg/L	1		EPA 624	7/7/16	7/8/16 7:25	MFF
Tetrachloroethylene	ND	2.0	0.27	µg/L	1		EPA 624	7/7/16	7/8/16 7:25	MFF
Toluene	0.96	1.0	0.17	µg/L	1	J	EPA 624	7/7/16	7/8/16 7:25	MFF
1,1,1-Trichloroethane	ND	2.0	0.13	µg/L	1		EPA 624	7/7/16	7/8/16 7:25	MFF
1,1,2-Trichloroethane	ND	2.0	0.24	µg/L	1		EPA 624	7/7/16	7/8/16 7:25	MFF
Trichloroethylene	ND	2.0	0.20	µg/L	1		EPA 624	7/7/16	7/8/16 7:25	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		EPA 624	7/7/16	7/8/16 7:25	MFF
Vinyl Chloride	ND	2.0	0.13	µg/L	1		EPA 624	7/7/16	7/8/16 7:25	MFF
m+p Xylene	0.46	2.0	0.26	µg/L	1	J	EPA 624	7/7/16	7/8/16 7:25	MFF
o-Xylene	0.19	2.0	0.13	µg/L	1	J	EPA 624	7/7/16	7/8/16 7:25	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	96.6	70-130		7/8/16 7:25	
Toluene-d8	97.7	70-130		7/8/16 7:25	
4-Bromofluorobenzene	104	70-130		7/8/16 7:25	

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Sample Extraction Data

Prep Method: SW-846 5030B-EPA 624

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
16F1367-01 [RW-1]	B153127	5	5.00	07/07/16
16F1367-02 [RW-2]	B153127	5	5.00	07/07/16
16F1367-03 [EFF 46 HZ]	B153127	5	5.00	07/07/16
16F1367-04 [Trip Blank]	B153127	5	5.00	07/07/16

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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 B153127 - SW-846 5030B										
Blank (B153127-BLK1)				Prepared & Analyzed: 07/07/16						
Benzene	ND	1.0	µg/L							
Bromodichloromethane	ND	2.0	µg/L							
Bromoform	ND	2.0	µg/L							
Bromomethane	ND	2.0	µg/L							
Carbon Tetrachloride	ND	2.0	µg/L							
Chlorobenzene	ND	2.0	µg/L							
Chlorodibromomethane	ND	2.0	µg/L							
Chloroethane	ND	2.0	µg/L							
2-Chloroethyl Vinyl Ether	ND	10	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
1,2-Dichlorobenzene	ND	2.0	µg/L							
1,3-Dichlorobenzene	ND	2.0	µg/L							
1,4-Dichlorobenzene	ND	2.0	µg/L							
1,2-Dichloroethane	ND	2.0	µg/L							
1,1-Dichloroethane	ND	2.0	µg/L							
1,1-Dichloroethylene	ND	2.0	µg/L							
trans-1,2-Dichloroethylene	ND	2.0	µg/L							
1,2-Dichloropropane	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	2.0	µg/L							
trans-1,3-Dichloropropene	ND	2.0	µg/L							
Ethylbenzene	ND	2.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L							
Tetrachloroethylene	ND	2.0	µg/L							
Toluene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	2.0	µg/L							
1,1,2-Trichloroethane	ND	2.0	µg/L							
Trichloroethylene	ND	2.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	2.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	*25.0*		µg/L	25.0		100	70-130			
Surrogate: Toluene-d8	*24.3*		µg/L	25.0		97.1	70-130			
Surrogate: 4-Bromofluorobenzene	*25.8*		µg/L	25.0		103	70-130			
LCS (B153127-BS1)				Prepared & Analyzed: 07/07/16						
Benzene	8.52	1.0	µg/L	10.0		85.2	37-151			
Bromodichloromethane	8.90	2.0	µg/L	10.0		89.0	35-155			
Bromoform	11.0	2.0	µg/L	10.0		110	45-169			
Bromomethane	10.7	2.0	µg/L	10.0		107	20-242			
Carbon Tetrachloride	10.1	2.0	µg/L	10.0		101	70-140			
Chlorobenzene	8.85	2.0	µg/L	10.0		88.5	37-160			
Chlorodibromomethane	9.46	2.0	µg/L	10.0		94.6	53-149			
Chloroethane	12.5	2.0	µg/L	10.0		125	70-130			
2-Chloroethyl Vinyl Ether	90.8	10	µg/L	100		90.8	10-305			
Chloroform	8.59	2.0	µg/L	10.0		85.9	51-138			
Chloromethane	13.9	2.0	µg/L	10.0		139	20-273			
1,2-Dichlorobenzene	9.09	2.0	µg/L	10.0		90.9	18-190			
1,3-Dichlorobenzene	8.96	2.0	µg/L	10.0		89.6	59-156			

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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 B153127 - SW-846 5030B										
LCS (B153127-BS1)				Prepared & Analyzed: 07/07/16						
1,4-Dichlorobenzene	8.81	2.0	µg/L	10.0		88.1	18-190			
1,2-Dichloroethane	8.98	2.0	µg/L	10.0		89.8	49-155			
1,1-Dichloroethane	8.16	2.0	µg/L	10.0		81.6	59-155			
1,1-Dichloroethylene	9.03	2.0	µg/L	10.0		90.3	20-234			
trans-1,2-Dichloroethylene	8.05	2.0	µg/L	10.0		80.5	54-156			
1,2-Dichloropropane	8.22	2.0	µg/L	10.0		82.2	20-210			
cis-1,3-Dichloropropene	9.08	2.0	µg/L	10.0		90.8	20-227			
trans-1,3-Dichloropropene	9.47	2.0	µg/L	10.0		94.7	17-183			
Ethylbenzene	9.92	2.0	µg/L	10.0		99.2	37-162			
Methyl tert-Butyl Ether (MTBE)	9.85	2.0	µg/L	10.0		98.5	70-130			
Methylene Chloride	9.11	5.0	µg/L	10.0		91.1	50-221			
1,1,2,2-Tetrachloroethane	9.69	2.0	µg/L	10.0		96.9	46-157			
Tetrachloroethylene	9.72	2.0	µg/L	10.0		97.2	64-148			
Toluene	9.27	1.0	µg/L	10.0		92.7	47-150			
1,1,1-Trichloroethane	10.0	2.0	µg/L	10.0		100	52-162			
1,1,2-Trichloroethane	9.12	2.0	µg/L	10.0		91.2	52-150			
Trichloroethylene	9.05	2.0	µg/L	10.0		90.5	71-157			
Trichlorofluoromethane (Freon 11)	11.9	2.0	µg/L	10.0		119	17-181			
Vinyl Chloride	16.4	2.0	µg/L	10.0		164	20-251			
m+p Xylene	20.1	2.0	µg/L	20.0		100	70-130			
o-Xylene	9.92	2.0	µg/L	10.0		99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	*26.1*		µg/L	25.0		105	70-130			
Surrogate: Toluene-d8	*24.5*		µg/L	25.0		98.0	70-130			
Surrogate: 4-Bromofluorobenzene	*26.0*		µg/L	25.0		104	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
DL	Method Detection Limit
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).

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA 624 in Water	
Benzene	CT,MA,NH,NY,RI,NC,ME,VA
Bromodichloromethane	CT,MA,NH,NY,RI,NC,ME,VA
Bromoform	CT,MA,NH,NY,RI,NC,ME,VA
Bromomethane	CT,MA,NH,NY,RI,NC,ME,VA
Carbon Tetrachloride	CT,MA,NH,NY,RI,NC,ME,VA
Chlorobenzene	CT,MA,NH,NY,RI,NC,ME,VA
Chlorodibromomethane	CT,MA,NH,NY,RI,NC,ME,VA
Chloroethane	CT,MA,NH,NY,RI,NC,ME,VA
2-Chloroethyl Vinyl Ether	CT,MA,NH,NY,RI,NC,ME,VA
Chloroform	CT,MA,NH,NY,RI,NC,ME,VA
Chloromethane	CT,MA,NH,NY,RI,NC,ME,VA
1,2-Dichlorobenzene	CT,MA,NH,NY,RI,NC,ME,VA
1,3-Dichlorobenzene	CT,MA,NH,NY,RI,NC,ME,VA
1,4-Dichlorobenzene	CT,MA,NH,NY,RI,NC,ME,VA
1,2-Dichloroethane	CT,MA,NH,NY,RI,NC,ME,VA
1,1-Dichloroethane	CT,MA,NH,NY,RI,NC,ME,VA
1,1-Dichloroethylene	CT,MA,NH,NY,RI,NC,ME,VA
trans-1,2-Dichloroethylene	CT,MA,NH,NY,RI,NC,ME,VA
1,2-Dichloropropane	CT,MA,NH,NY,RI,NC,ME,VA
cis-1,3-Dichloropropene	CT,MA,NH,NY,RI,NC,ME,VA
trans-1,3-Dichloropropene	CT,MA,NH,NY,RI,NC,ME,VA
Ethylbenzene	CT,MA,NH,NY,RI,NC,ME,VA
Methyl tert-Butyl Ether (MTBE)	NY,NC
Methylene Chloride	CT,MA,NH,NY,RI,NC,ME,VA
1,1,2,2-Tetrachloroethane	CT,MA,NH,NY,RI,NC,ME,VA
Tetrachloroethylene	CT,MA,NH,NY,RI,NC,ME,VA
Toluene	CT,MA,NH,NY,RI,NC,ME,VA
1,1,1-Trichloroethane	CT,MA,NH,NY,RI,NC,ME,VA
1,1,2-Trichloroethane	CT,MA,NH,NY,RI,NC,ME,VA
Trichloroethylene	CT,MA,NH,NY,RI,NC,ME,VA
Trichlorofluoromethane (Freon 11)	CT,MA,NH,NY,RI,NC,ME,VA
Vinyl Chloride	CT,MA,NH,NY,RI,NC,ME,VA
m+p Xylene	CT,MA,NH,NY,RI,NC,VA
o-Xylene	CT,MA,NH,NY,RI,NC,VA

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2016
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2017
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2017
RI	Rhode Island Department of Health	LAO00112	12/30/2016
NC	North Carolina Div. of Water Quality	652	12/31/2016
NJ	New Jersey DEP	MA007 NELAP	06/30/2017
FL	Florida Department of Health	E871027 NELAP	06/30/2017
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2017
ME	State of Maine	2011028	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2016
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2016

CHAIN OF CUSTODY RECORD

NEW YORK STATE

16F1367

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www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

Company Name: Arcadis
Address: 855 Route 146, STE 210
Clifton Park NY. 12065
Attention: J. Wyckoff
Project Location: S. Otselic, NY.
Sampled By: L. Whalen

Telephone: 518-250-7300
Project # 00266406.0000
Client PO#

DATA DELIVERY (check all that apply)
○ FAX ● EMAIL ○ WEBSITE
Fax #
Email:
Format: PDF ● EXCEL ● GIS ○
○ OTHER
○ "Enhanced Data Package"

○ Project Proposal Provided? (for billing purposes)

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	624											# of Containers
								11											** Preservation
								H											***Container Code
								V											
01	RW-1	6/24/16	0730		X	GW	m	X											
02	RW-2	↓	0735		X	↓	m	X											
03	EFF 46 HZ		0740		X		L	X											
04	Trip Blank	↓	–		X	↓	–	X											

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ Lab to Filter

***Cont. Code:**
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other

****Preservation**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other

Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:	Relinquished by:	Date/Time:
L. Whalen	6/24/16 1000		
Received by: (signature)	Date/Time:	Received by:	Date/Time:
363	6.27.16 13:30		
Relinquished by: (signature)	Date/Time:	Relinquished by:	Date/Time:
Received by: (signature)	Date/Time:	Received by:	Date/Time:

Turnaround †
☐ 5-Day
☐ 7 Day
☒ 10-Day or ___
RUSH †
24 hr ○ 48 hr ○
72 hr ○ 4 day ○
† Require lab approval

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

Deliverables
○ ASP-A ○ Equis (1 file) ○ Other:
● ASP-B ● Equis (4 file)

TURNAROUND TIME (business days) STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED. PLEASE BE CAREFUL TO NOT CONTAMINATE THIS DOCUMENT

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39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.contestlabs.com

con-test® ANALYTICAL LABORATORY

Sample Receipt Checklist

CLIENT NAME: Arcadis **RECEIVED BY:** PB **DATE:** 6.27.16

1) Was the chain(s) of custody relinquished and signed? Yes ✓ No ____ No COC Incl.

2) Does the chain agree with the samples? Yes ✓ No ____

If not, explain:

3) Are all the samples in good condition? Yes ✓ No ____

If not, explain:

4) How were the samples received:

On Ice ____ Direct from Sampling ____ Ambient ____ In Cooler(s) ✓ *See comments

Were the samples received in Temperature Compliance of (2-6°C)? Yes ____ No ✓ N/A ____

Temperature °C by Temp blank ____ Temperature °C by Temp gun 26.3

5) Are there Dissolved samples for the lab to filter? Yes ____ No ✓

Who was notified ____ Date ____ Time ____

6) Are there any RUSH or SHORT HOLDING TIME samples? Yes ____ No ✓

Who was notified ____ Date ____ Time ____

7) Location where samples are stored: Login

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: ____

8) Do all samples have the proper Acid pH: Yes ____ No ____ N/A ✓

9) Do all samples have the proper Base pH: Yes ____ No ____ N/A ✓

10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes ____ N/A ✓

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		16 oz amber	
500 mL Amber		8 oz amber/clear jar	
250 mL Amber (8oz amber)		4 oz amber/clear jar	
1 Liter Plastic		2 oz amber/clear jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		SOC Kit	
40 mL Vial - type listed below	11	Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

Samples were received in a cooler with 2 bags of warm water. coolest temp I could find was 26.3

40 mL vials: # HCl 11 # Methanol ____

Bisulfate ____ # DI Water ____

Thiosulfate ____ Unpreserved ____

Time and Date Frozen:

Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)

Any False statement will be brought to the attention of Client

Question	Answer (True/False) T/F/NA	Comment
1) The cooler's custody seal, if present, is intact.	NA	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	—	Ice was melted
4) Cooler Temperature is acceptable.	F	
5) Cooler Temperature is recorded.	T	
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) There are no discrepancies between the sample IDs on the container and the COC.	T	
10) Samples are received within Holding Time.	T	
11) Sample containers have legible labels.	T	
12) Containers are not broken or leaking.	T	
13) Air Cassettes are not broken/open.	NA	
14) Sample collection date/times are provided.	T	
15) Appropriate sample containers are used.	T	
16) Proper collection media used.	T	
17) No headspace sample bottles are completely filled.	T	
18) There is sufficient volume for all requsted analyses, including any requested MS/MSDs.	T	
19) Trip blanks provided if applicable.	T	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	T	
21) Samples do not require splitting or compositing.	T	

Who notified of False statements? **Date/Time:**

Doc #277 Rev. 4 August 2013 **Log-In Technician Initials:** PB **Date/Time:** 6.27.16

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

August 8, 2016

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

Project Location: S. OtselIC,NY
Client Job Number:
Project Number: 00266406.0000
Laboratory Work Order Number: 16G1140

Enclosed are results of analyses for samples received by the laboratory on July 26, 2016. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Aaron L. Benoit
Project Manager

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con-test® ANALYTICAL LABORATORY
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: 8/8/2016

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 00266406.0000

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 16G1140

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

PROJECT LOCATION: S. OtselIC,NY

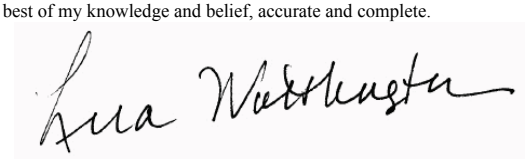
FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
RW-1	16G1140-01	Ground Water		EPA 624	
RW-2	16G1140-02	Ground Water		EPA 624	
EFF 46 HZ	16G1140-03	Ground Water		EPA 624	
Trip Blank	16G1140-04	Trip Blank Water		EPA 624	

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

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.



Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: S. OtselIC,NY | Sample Description: | Work Order: 16G1140

Date Received: 7/26/2016

Field Sample #: RW-1 | Sampled: 7/25/2016 06:45

Sample ID: 16G1140-01

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	ND	1.0	0.12	µg/L	1		EPA 624	8/2/16	8/4/16 2:50	LBD
Bromodichloromethane	ND	2.0	0.30	µg/L	1		EPA 624	8/2/16	8/4/16 2:50	LBD
Bromoform	ND	2.0	0.21	µg/L	1		EPA 624	8/2/16	8/4/16 2:50	LBD
Bromomethane	ND	2.0	0.94	µg/L	1		EPA 624	8/2/16	8/4/16 2:50	LBD
Carbon Tetrachloride	ND	2.0	0.25	µg/L	1		EPA 624	8/2/16	8/4/16 2:50	LBD
Chlorobenzene	ND	2.0	0.16	µg/L	1		EPA 624	8/2/16	8/4/16 2:50	LBD
Chlorodibromomethane	ND	2.0	0.10	µg/L	1		EPA 624	8/2/16	8/4/16 2:50	LBD
Chloroethane	ND	2.0	0.28	µg/L	1		EPA 624	8/2/16	8/4/16 2:50	LBD
2-Chloroethyl Vinyl Ether	ND	10	2.2	µg/L	1		EPA 624	8/2/16	8/4/16 2:50	LBD
Chloroform	ND	2.0	0.22	µg/L	1		EPA 624	8/2/16	8/4/16 2:50	LBD
Chloromethane	0.77	2.0	0.55	µg/L	1	J	EPA 624	8/2/16	8/4/16 2:50	LBD
1,2-Dichlorobenzene	ND	2.0	0.17	µg/L	1		EPA 624	8/2/16	8/4/16 2:50	LBD
1,3-Dichlorobenzene	ND	2.0	0.17	µg/L	1		EPA 624	8/2/16	8/4/16 2:50	LBD
1,4-Dichlorobenzene	ND	2.0	0.15	µg/L	1		EPA 624	8/2/16	8/4/16 2:50	LBD
1,2-Dichloroethane	ND	2.0	0.19	µg/L	1		EPA 624	8/2/16	8/4/16 2:50	LBD
1,1-Dichloroethane	1.5	2.0	0.16	µg/L	1	J	EPA 624	8/2/16	8/4/16 2:50	LBD
1,1-Dichloroethylene	0.68	2.0	0.21	µg/L	1	J	EPA 624	8/2/16	8/4/16 2:50	LBD
trans-1,2-Dichloroethylene	ND	2.0	0.15	µg/L	1		EPA 624	8/2/16	8/4/16 2:50	LBD
1,2-Dichloropropane	ND	2.0	0.13	µg/L	1		EPA 624	8/2/16	8/4/16 2:50	LBD
cis-1,3-Dichloropropene	ND	2.0	0.12	µg/L	1		EPA 624	8/2/16	8/4/16 2:50	LBD
trans-1,3-Dichloropropene	ND	2.0	0.11	µg/L	1		EPA 624	8/2/16	8/4/16 2:50	LBD
Ethylbenzene	ND	2.0	0.13	µg/L	1		EPA 624	8/2/16	8/4/16 2:50	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.090	µg/L	1		EPA 624	8/2/16	8/4/16 2:50	LBD
Methylene Chloride	ND	5.0	3.2	µg/L	1		EPA 624	8/2/16	8/4/16 2:50	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	0.16	µg/L	1		EPA 624	8/2/16	8/4/16 2:50	LBD
Tetrachloroethylene	ND	2.0	0.27	µg/L	1		EPA 624	8/2/16	8/4/16 2:50	LBD
Toluene	ND	1.0	0.17	µg/L	1		EPA 624	8/2/16	8/4/16 2:50	LBD
1,1,1-Trichloroethane	35	2.0	0.13	µg/L	1		EPA 624	8/2/16	8/4/16 2:50	LBD
1,1,2-Trichloroethane	ND	2.0	0.24	µg/L	1		EPA 624	8/2/16	8/4/16 2:50	LBD
Trichloroethylene	ND	2.0	0.20	µg/L	1		EPA 624	8/2/16	8/4/16 2:50	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		EPA 624	8/2/16	8/4/16 2:50	LBD
Vinyl Chloride	ND	2.0	0.13	µg/L	1		EPA 624	8/2/16	8/4/16 2:50	LBD
m+p Xylene	ND	2.0	0.26	µg/L	1		EPA 624	8/2/16	8/4/16 2:50	LBD
o-Xylene	ND	2.0	0.13	µg/L	1		EPA 624	8/2/16	8/4/16 2:50	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	89.7	70-130		8/4/16 2:50
Toluene-d8	94.8	70-130		8/4/16 2:50
4-Bromofluorobenzene	95.8	70-130		8/4/16 2:50

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: S. OtselIC,NY | Sample Description: | Work Order: 16G1140

Date Received: 7/26/2016

Field Sample #: RW-2 | Sampled: 7/25/2016 06:50

Sample ID: 16G1140-02

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	ND	1.0	0.12	µg/L	1		EPA 624	8/2/16	8/4/16 3:20	LBD
Bromodichloromethane	ND	2.0	0.30	µg/L	1		EPA 624	8/2/16	8/4/16 3:20	LBD
Bromoform	ND	2.0	0.21	µg/L	1		EPA 624	8/2/16	8/4/16 3:20	LBD
Bromomethane	ND	2.0	0.94	µg/L	1		EPA 624	8/2/16	8/4/16 3:20	LBD
Carbon Tetrachloride	ND	2.0	0.25	µg/L	1		EPA 624	8/2/16	8/4/16 3:20	LBD
Chlorobenzene	ND	2.0	0.16	µg/L	1		EPA 624	8/2/16	8/4/16 3:20	LBD
Chlorodibromomethane	ND	2.0	0.10	µg/L	1		EPA 624	8/2/16	8/4/16 3:20	LBD
Chloroethane	ND	2.0	0.28	µg/L	1		EPA 624	8/2/16	8/4/16 3:20	LBD
2-Chloroethyl Vinyl Ether	ND	10	2.2	µg/L	1		EPA 624	8/2/16	8/4/16 3:20	LBD
Chloroform	ND	2.0	0.22	µg/L	1		EPA 624	8/2/16	8/4/16 3:20	LBD
Chloromethane	0.59	2.0	0.55	µg/L	1	J	EPA 624	8/2/16	8/4/16 3:20	LBD
1,2-Dichlorobenzene	ND	2.0	0.17	µg/L	1		EPA 624	8/2/16	8/4/16 3:20	LBD
1,3-Dichlorobenzene	ND	2.0	0.17	µg/L	1		EPA 624	8/2/16	8/4/16 3:20	LBD
1,4-Dichlorobenzene	ND	2.0	0.15	µg/L	1		EPA 624	8/2/16	8/4/16 3:20	LBD
1,2-Dichloroethane	ND	2.0	0.19	µg/L	1		EPA 624	8/2/16	8/4/16 3:20	LBD
1,1-Dichloroethane	0.66	2.0	0.16	µg/L	1	J	EPA 624	8/2/16	8/4/16 3:20	LBD
1,1-Dichloroethylene	0.48	2.0	0.21	µg/L	1	J	EPA 624	8/2/16	8/4/16 3:20	LBD
trans-1,2-Dichloroethylene	ND	2.0	0.15	µg/L	1		EPA 624	8/2/16	8/4/16 3:20	LBD
1,2-Dichloropropane	ND	2.0	0.13	µg/L	1		EPA 624	8/2/16	8/4/16 3:20	LBD
cis-1,3-Dichloropropene	ND	2.0	0.12	µg/L	1		EPA 624	8/2/16	8/4/16 3:20	LBD
trans-1,3-Dichloropropene	ND	2.0	0.11	µg/L	1		EPA 624	8/2/16	8/4/16 3:20	LBD
Ethylbenzene	ND	2.0	0.13	µg/L	1		EPA 624	8/2/16	8/4/16 3:20	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.090	µg/L	1		EPA 624	8/2/16	8/4/16 3:20	LBD
Methylene Chloride	ND	5.0	3.2	µg/L	1		EPA 624	8/2/16	8/4/16 3:20	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	0.16	µg/L	1		EPA 624	8/2/16	8/4/16 3:20	LBD
Tetrachloroethylene	ND	2.0	0.27	µg/L	1		EPA 624	8/2/16	8/4/16 3:20	LBD
Toluene	ND	1.0	0.17	µg/L	1		EPA 624	8/2/16	8/4/16 3:20	LBD
1,1,1-Trichloroethane	28	2.0	0.13	µg/L	1		EPA 624	8/2/16	8/4/16 3:20	LBD
1,1,2-Trichloroethane	ND	2.0	0.24	µg/L	1		EPA 624	8/2/16	8/4/16 3:20	LBD
Trichloroethylene	ND	2.0	0.20	µg/L	1		EPA 624	8/2/16	8/4/16 3:20	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		EPA 624	8/2/16	8/4/16 3:20	LBD
Vinyl Chloride	ND	2.0	0.13	µg/L	1		EPA 624	8/2/16	8/4/16 3:20	LBD
m+p Xylene	ND	2.0	0.26	µg/L	1		EPA 624	8/2/16	8/4/16 3:20	LBD
o-Xylene	ND	2.0	0.13	µg/L	1		EPA 624	8/2/16	8/4/16 3:20	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	90.7	70-130		8/4/16 3:20
Toluene-d8	95.3	70-130		8/4/16 3:20
4-Bromofluorobenzene	92.8	70-130		8/4/16 3:20

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: S. OtselIC,NY | Sample Description: | Work Order: 16G1140

Date Received: 7/26/2016

Field Sample #: EFF 46 HZ | Sampled: 7/25/2016 07:00

Sample ID: 16G1140-03

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	ND	1.0	0.12	µg/L	1		EPA 624	8/2/16	8/4/16 3:51	LBD
Bromodichloromethane	ND	2.0	0.30	µg/L	1		EPA 624	8/2/16	8/4/16 3:51	LBD
Bromoform	ND	2.0	0.21	µg/L	1		EPA 624	8/2/16	8/4/16 3:51	LBD
Bromomethane	ND	2.0	0.94	µg/L	1		EPA 624	8/2/16	8/4/16 3:51	LBD
Carbon Tetrachloride	ND	2.0	0.25	µg/L	1		EPA 624	8/2/16	8/4/16 3:51	LBD
Chlorobenzene	ND	2.0	0.16	µg/L	1		EPA 624	8/2/16	8/4/16 3:51	LBD
Chlorodibromomethane	ND	2.0	0.10	µg/L	1		EPA 624	8/2/16	8/4/16 3:51	LBD
Chloroethane	ND	2.0	0.28	µg/L	1		EPA 624	8/2/16	8/4/16 3:51	LBD
2-Chloroethyl Vinyl Ether	ND	10	2.2	µg/L	1		EPA 624	8/2/16	8/4/16 3:51	LBD
Chloroform	ND	2.0	0.22	µg/L	1		EPA 624	8/2/16	8/4/16 3:51	LBD
Chloromethane	1.0	2.0	0.55	µg/L	1	J	EPA 624	8/2/16	8/4/16 3:51	LBD
1,2-Dichlorobenzene	ND	2.0	0.17	µg/L	1		EPA 624	8/2/16	8/4/16 3:51	LBD
1,3-Dichlorobenzene	ND	2.0	0.17	µg/L	1		EPA 624	8/2/16	8/4/16 3:51	LBD
1,4-Dichlorobenzene	ND	2.0	0.15	µg/L	1		EPA 624	8/2/16	8/4/16 3:51	LBD
1,2-Dichloroethane	ND	2.0	0.19	µg/L	1		EPA 624	8/2/16	8/4/16 3:51	LBD
1,1-Dichloroethane	ND	2.0	0.16	µg/L	1		EPA 624	8/2/16	8/4/16 3:51	LBD
1,1-Dichloroethylene	ND	2.0	0.21	µg/L	1		EPA 624	8/2/16	8/4/16 3:51	LBD
trans-1,2-Dichloroethylene	ND	2.0	0.15	µg/L	1		EPA 624	8/2/16	8/4/16 3:51	LBD
1,2-Dichloropropane	ND	2.0	0.13	µg/L	1		EPA 624	8/2/16	8/4/16 3:51	LBD
cis-1,3-Dichloropropene	ND	2.0	0.12	µg/L	1		EPA 624	8/2/16	8/4/16 3:51	LBD
trans-1,3-Dichloropropene	ND	2.0	0.11	µg/L	1		EPA 624	8/2/16	8/4/16 3:51	LBD
Ethylbenzene	ND	2.0	0.13	µg/L	1		EPA 624	8/2/16	8/4/16 3:51	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.090	µg/L	1		EPA 624	8/2/16	8/4/16 3:51	LBD
Methylene Chloride	ND	5.0	3.2	µg/L	1		EPA 624	8/2/16	8/4/16 3:51	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	0.16	µg/L	1		EPA 624	8/2/16	8/4/16 3:51	LBD
Tetrachloroethylene	ND	2.0	0.27	µg/L	1		EPA 624	8/2/16	8/4/16 3:51	LBD
Toluene	ND	1.0	0.17	µg/L	1		EPA 624	8/2/16	8/4/16 3:51	LBD
1,1,1-Trichloroethane	ND	2.0	0.13	µg/L	1		EPA 624	8/2/16	8/4/16 3:51	LBD
1,1,2-Trichloroethane	ND	2.0	0.24	µg/L	1		EPA 624	8/2/16	8/4/16 3:51	LBD
Trichloroethylene	ND	2.0	0.20	µg/L	1		EPA 624	8/2/16	8/4/16 3:51	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		EPA 624	8/2/16	8/4/16 3:51	LBD
Vinyl Chloride	ND	2.0	0.13	µg/L	1		EPA 624	8/2/16	8/4/16 3:51	LBD
m+p Xylene	ND	2.0	0.26	µg/L	1		EPA 624	8/2/16	8/4/16 3:51	LBD
o-Xylene	ND	2.0	0.13	µg/L	1		EPA 624	8/2/16	8/4/16 3:51	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	88.5	70-130		8/4/16 3:51
Toluene-d8	96.5	70-130		8/4/16 3:51
4-Bromofluorobenzene	94.8	70-130		8/4/16 3:51

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: S. OtselIC,NY | Sample Description: | Work Order: 16G1140

Date Received: 7/26/2016

Field Sample #: Trip Blank | Sampled: 7/25/2016 00:00

Sample ID: 16G1140-04

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	0.21	1.0	0.12	µg/L	1	J	EPA 624	8/2/16	8/4/16 2:19	LBD
Bromodichloromethane	ND	2.0	0.30	µg/L	1		EPA 624	8/2/16	8/4/16 2:19	LBD
Bromoform	ND	2.0	0.21	µg/L	1		EPA 624	8/2/16	8/4/16 2:19	LBD
Bromomethane	ND	2.0	0.94	µg/L	1		EPA 624	8/2/16	8/4/16 2:19	LBD
Carbon Tetrachloride	ND	2.0	0.25	µg/L	1		EPA 624	8/2/16	8/4/16 2:19	LBD
Chlorobenzene	ND	2.0	0.16	µg/L	1		EPA 624	8/2/16	8/4/16 2:19	LBD
Chlorodibromomethane	ND	2.0	0.10	µg/L	1		EPA 624	8/2/16	8/4/16 2:19	LBD
Chloroethane	ND	2.0	0.28	µg/L	1		EPA 624	8/2/16	8/4/16 2:19	LBD
2-Chloroethyl Vinyl Ether	ND	10	2.2	µg/L	1		EPA 624	8/2/16	8/4/16 2:19	LBD
Chloroform	ND	2.0	0.22	µg/L	1		EPA 624	8/2/16	8/4/16 2:19	LBD
Chloromethane	ND	2.0	0.55	µg/L	1		EPA 624	8/2/16	8/4/16 2:19	LBD
1,2-Dichlorobenzene	ND	2.0	0.17	µg/L	1		EPA 624	8/2/16	8/4/16 2:19	LBD
1,3-Dichlorobenzene	ND	2.0	0.17	µg/L	1		EPA 624	8/2/16	8/4/16 2:19	LBD
1,4-Dichlorobenzene	ND	2.0	0.15	µg/L	1		EPA 624	8/2/16	8/4/16 2:19	LBD
1,2-Dichloroethane	ND	2.0	0.19	µg/L	1		EPA 624	8/2/16	8/4/16 2:19	LBD
1,1-Dichloroethane	ND	2.0	0.16	µg/L	1		EPA 624	8/2/16	8/4/16 2:19	LBD
1,1-Dichloroethylene	ND	2.0	0.21	µg/L	1		EPA 624	8/2/16	8/4/16 2:19	LBD
trans-1,2-Dichloroethylene	ND	2.0	0.15	µg/L	1		EPA 624	8/2/16	8/4/16 2:19	LBD
1,2-Dichloropropane	ND	2.0	0.13	µg/L	1		EPA 624	8/2/16	8/4/16 2:19	LBD
cis-1,3-Dichloropropene	ND	2.0	0.12	µg/L	1		EPA 624	8/2/16	8/4/16 2:19	LBD
trans-1,3-Dichloropropene	ND	2.0	0.11	µg/L	1		EPA 624	8/2/16	8/4/16 2:19	LBD
Ethylbenzene	0.13	2.0	0.13	µg/L	1	J	EPA 624	8/2/16	8/4/16 2:19	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.090	µg/L	1		EPA 624	8/2/16	8/4/16 2:19	LBD
Methylene Chloride	ND	5.0	3.2	µg/L	1		EPA 624	8/2/16	8/4/16 2:19	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	0.16	µg/L	1		EPA 624	8/2/16	8/4/16 2:19	LBD
Tetrachloroethylene	ND	2.0	0.27	µg/L	1		EPA 624	8/2/16	8/4/16 2:19	LBD
Toluene	1.0	1.0	0.17	µg/L	1		EPA 624	8/2/16	8/4/16 2:19	LBD
1,1,1-Trichloroethane	ND	2.0	0.13	µg/L	1		EPA 624	8/2/16	8/4/16 2:19	LBD
1,1,2-Trichloroethane	ND	2.0	0.24	µg/L	1		EPA 624	8/2/16	8/4/16 2:19	LBD
Trichloroethylene	ND	2.0	0.20	µg/L	1		EPA 624	8/2/16	8/4/16 2:19	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		EPA 624	8/2/16	8/4/16 2:19	LBD
Vinyl Chloride	ND	2.0	0.13	µg/L	1		EPA 624	8/2/16	8/4/16 2:19	LBD
m+p Xylene	0.53	2.0	0.26	µg/L	1	J	EPA 624	8/2/16	8/4/16 2:19	LBD
o-Xylene	0.25	2.0	0.13	µg/L	1	J	EPA 624	8/2/16	8/4/16 2:19	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	89.5	70-130		8/4/16 2:19
Toluene-d8	95.6	70-130		8/4/16 2:19
4-Bromofluorobenzene	95.1	70-130		8/4/16 2:19

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Sample Extraction Data

Prep Method: SW-846 5030B-EPA 624

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
16G1140-01 [RW-1]	B155071	5	5.00	08/02/16
16G1140-02 [RW-2]	B155071	5	5.00	08/02/16
16G1140-03 [EFF 46 HZ]	B155071	5	5.00	08/02/16
16G1140-04 [Trip Blank]	B155071	5	5.00	08/02/16

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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 B155071 - SW-846 5030B										
Blank (B155071-BLK1)				Prepared: 08/02/16 Analyzed: 08/03/16						
Benzene	ND	1.0	µg/L							
Bromodichloromethane	ND	2.0	µg/L							
Bromoform	ND	2.0	µg/L							
Bromomethane	ND	2.0	µg/L							
Carbon Tetrachloride	ND	2.0	µg/L							
Chlorobenzene	ND	2.0	µg/L							
Chlorodibromomethane	ND	2.0	µg/L							
Chloroethane	ND	2.0	µg/L							
2-Chloroethyl Vinyl Ether	ND	10	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
1,2-Dichlorobenzene	ND	2.0	µg/L							
1,3-Dichlorobenzene	ND	2.0	µg/L							
1,4-Dichlorobenzene	ND	2.0	µg/L							
1,2-Dichloroethane	ND	2.0	µg/L							
1,1-Dichloroethane	ND	2.0	µg/L							
1,1-Dichloroethylene	ND	2.0	µg/L							
trans-1,2-Dichloroethylene	ND	2.0	µg/L							
1,2-Dichloropropane	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	2.0	µg/L							
trans-1,3-Dichloropropene	ND	2.0	µg/L							
Ethylbenzene	ND	2.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L							
Tetrachloroethylene	ND	2.0	µg/L							
Toluene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	2.0	µg/L							
1,1,2-Trichloroethane	ND	2.0	µg/L							
Trichloroethylene	ND	2.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	2.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	*22.1*		µg/L	25.0		88.4	70-130			
Surrogate: Toluene-d8	*24.1*		µg/L	25.0		96.5	70-130			
Surrogate: 4-Bromofluorobenzene	*24.0*		µg/L	25.0		95.9	70-130			
LCS (B155071-BS1)				Prepared: 08/02/16 Analyzed: 08/03/16						
Benzene	9.85	1.0	µg/L	10.0		98.5	37-151			
Bromodichloromethane	9.00	2.0	µg/L	10.0		90.0	35-155			
Bromoform	9.33	2.0	µg/L	10.0		93.3	45-169			
Bromomethane	7.02	2.0	µg/L	10.0		70.2	20-242			
Carbon Tetrachloride	10.3	2.0	µg/L	10.0		103	70-140			
Chlorobenzene	10.4	2.0	µg/L	10.0		104	37-160			
Chlorodibromomethane	10.4	2.0	µg/L	10.0		104	53-149			
Chloroethane	7.77	2.0	µg/L	10.0		77.7	70-130			
2-Chloroethyl Vinyl Ether	105	10	µg/L	100		105	10-305			
Chloroform	9.24	2.0	µg/L	10.0		92.4	51-138			
Chloromethane	7.92	2.0	µg/L	10.0		79.2	20-273			
1,2-Dichlorobenzene	10.9	2.0	µg/L	10.0		109	18-190			
1,3-Dichlorobenzene	10.9	2.0	µg/L	10.0		109	59-156			

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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 B155071 - SW-846 5030B										
LCS (B155071-BS1)				Prepared: 08/02/16 Analyzed: 08/03/16						
1,4-Dichlorobenzene	10.8	2.0	µg/L	10.0		108	18-190			
1,2-Dichloroethane	8.49	2.0	µg/L	10.0		84.9	49-155			
1,1-Dichloroethane	9.05	2.0	µg/L	10.0		90.5	59-155			
1,1-Dichloroethylene	7.70	2.0	µg/L	10.0		77.0	20-234			
trans-1,2-Dichloroethylene	9.39	2.0	µg/L	10.0		93.9	54-156			
1,2-Dichloropropane	9.50	2.0	µg/L	10.0		95.0	20-210			
cis-1,3-Dichloropropene	9.75	2.0	µg/L	10.0		97.5	20-227			
trans-1,3-Dichloropropene	9.67	2.0	µg/L	10.0		96.7	17-183			
Ethylbenzene	9.72	2.0	µg/L	10.0		97.2	37-162			
Methyl tert-Butyl Ether (MTBE)	10.3	2.0	µg/L	10.0		103	70-130			
Methylene Chloride	10.1	5.0	µg/L	10.0		101	50-221			
1,1,2,2-Tetrachloroethane	10.0	2.0	µg/L	10.0		100	46-157			
Tetrachloroethylene	10.5	2.0	µg/L	10.0		105	64-148			
Toluene	9.25	1.0	µg/L	10.0		92.5	47-150			
1,1,1-Trichloroethane	9.39	2.0	µg/L	10.0		93.9	52-162			
1,1,2-Trichloroethane	10.2	2.0	µg/L	10.0		102	52-150			
Trichloroethylene	9.31	2.0	µg/L	10.0		93.1	71-157			
Trichlorofluoromethane (Freon 11)	8.15	2.0	µg/L	10.0		81.5	17-181			
Vinyl Chloride	7.91	2.0	µg/L	10.0		79.1	20-251			
m+p Xylene	19.1	2.0	µg/L	20.0		95.6	70-130			
o-Xylene	9.60	2.0	µg/L	10.0		96.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	*21.4*		µg/L	25.0		85.7	70-130			
Surrogate: Toluene-d8	*23.4*		µg/L	25.0		93.7	70-130			
Surrogate: 4-Bromofluorobenzene	*25.5*		µg/L	25.0		102	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
DL	Method Detection Limit
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).

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA 624 in Water	
Benzene	CT,MA,NH,NY,RI,NC,ME,VA
Bromodichloromethane	CT,MA,NH,NY,RI,NC,ME,VA
Bromoform	CT,MA,NH,NY,RI,NC,ME,VA
Bromomethane	CT,MA,NH,NY,RI,NC,ME,VA
Carbon Tetrachloride	CT,MA,NH,NY,RI,NC,ME,VA
Chlorobenzene	CT,MA,NH,NY,RI,NC,ME,VA
Chlorodibromomethane	CT,MA,NH,NY,RI,NC,ME,VA
Chloroethane	CT,MA,NH,NY,RI,NC,ME,VA
2-Chloroethyl Vinyl Ether	CT,MA,NH,NY,RI,NC,ME,VA
Chloroform	CT,MA,NH,NY,RI,NC,ME,VA
Chloromethane	CT,MA,NH,NY,RI,NC,ME,VA
1,2-Dichlorobenzene	CT,MA,NH,NY,RI,NC,ME,VA
1,3-Dichlorobenzene	CT,MA,NH,NY,RI,NC,ME,VA
1,4-Dichlorobenzene	CT,MA,NH,NY,RI,NC,ME,VA
1,2-Dichloroethane	CT,MA,NH,NY,RI,NC,ME,VA
1,1-Dichloroethane	CT,MA,NH,NY,RI,NC,ME,VA
1,1-Dichloroethylene	CT,MA,NH,NY,RI,NC,ME,VA
trans-1,2-Dichloroethylene	CT,MA,NH,NY,RI,NC,ME,VA
1,2-Dichloropropane	CT,MA,NH,NY,RI,NC,ME,VA
cis-1,3-Dichloropropene	CT,MA,NH,NY,RI,NC,ME,VA
trans-1,3-Dichloropropene	CT,MA,NH,NY,RI,NC,ME,VA
Ethylbenzene	CT,MA,NH,NY,RI,NC,ME,VA
Methyl tert-Butyl Ether (MTBE)	NY,NC
Methylene Chloride	CT,MA,NH,NY,RI,NC,ME,VA
1,1,2,2-Tetrachloroethane	CT,MA,NH,NY,RI,NC,ME,VA
Tetrachloroethylene	CT,MA,NH,NY,RI,NC,ME,VA
Toluene	CT,MA,NH,NY,RI,NC,ME,VA
1,1,1-Trichloroethane	CT,MA,NH,NY,RI,NC,ME,VA
1,1,2-Trichloroethane	CT,MA,NH,NY,RI,NC,ME,VA
Trichloroethylene	CT,MA,NH,NY,RI,NC,ME,VA
Trichlorofluoromethane (Freon 11)	CT,MA,NH,NY,RI,NC,ME,VA
Vinyl Chloride	CT,MA,NH,NY,RI,NC,ME,VA
m+p Xylene	CT,MA,NH,NY,RI,NC,VA
o-Xylene	CT,MA,NH,NY,RI,NC,VA

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2017
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2017
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2017
RI	Rhode Island Department of Health	LAO00112	12/30/2016
NC	North Carolina Div. of Water Quality	652	12/31/2016
NJ	New Jersey DEP	MA007 NELAP	06/30/2017
FL	Florida Department of Health	E871027 NELAP	06/30/2017
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2017
ME	State of Maine	2011028	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2016
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2016

CHAIN OF CUSTODY RECORD

NEW YORK STATE

16G1140

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

Company Name: Arcadis
Address: 855 Route 146, STE 210
Clifton Park N.Y. 12065
Attention: J. Wyckoff
Project Location: S. Otselic, N.Y.
Sampled By: L. Whalen

Telephone: 518-250-7300
Project # 00266406.0000
Client PO#

DATA DELIVERY (check all that apply)
○ FAX ● EMAIL ○ WEBSITE
Fax #
Email:
Format: PDF ● EXCEL ● GIS ○
○ OTHER
○ "Enhanced Data Package"

○ Project Proposal Provided? (for billing purposes)

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	624	# of Containers	** Preservation	***Container Code
01	RW-1	7/25/16	0645		X	GW	M	X			
02	RW-2	↓	0650		X	↓	M	X			
03	EFF 46 HZ		0700		X		L	X			
04	Trip Blank	↓			X	↓	-	X			

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ Lab to Filter

***Cont. Code:**
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other

****Preservation**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other

***Matrix Code:**
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other

Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:	Relinquished by:	Date/Time:
L. Whalen	7/25/16 1400		
Received by: (signature)	Date/Time:	Received by:	Date/Time:
Maryellen Garcia 5.0	7/26/16 959		
Relinquished by: (signature)	Date/Time:	Relinquished by:	Date/Time:
Received by: (signature)	Date/Time:	Received by:	Date/Time:

Turnaround †
☐ 5-Day
☐ 7 Day
☑ 10-Day or ___
RUSH †
24 hr ○ 48 hr ○
72 hr ○ 4 day ○
† Require lab approval

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

Deliverables
○ ASP-A ○ Equis (1 file) ○ Other:
● ASP-B ● Equis (4 file)

TURNAROUND TIME (business days) STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED. PLEASE BE CAREFUL TO NOT CONTAMINATE THIS DOCUMENT

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39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
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Sample Receipt Checklist

CLIENT NAME: ARCADIS **RECEIVED BY:** MG **DATE:** 7/26/16

1) Was the chain(s) of custody relinquished and signed? Yes ✓ No ____ No COC Incl.

2) Does the chain agree with the samples? Yes ✓ No ____

If not, explain:

3) Are all the samples in good condition? Yes ✓ No ____

If not, explain:

4) How were the samples received:

On Ice ✓ Direct from Sampling ____ Ambient ____ In Cooler(s) ✓

Were the samples received in Temperature Compliance of (2-6°C)? Yes ✓ No ____ N/A ____

Temperature °C by Temp blank ____ Temperature °C by Temp gun 5.0 ✓

5) Are there Dissolved samples for the lab to filter? Yes ____ No ✓

Who was notified ____ Date ____ Time ____

6) Are there any RUSH or SHORT HOLDING TIME samples? Yes ____ No ✓

Who was notified ____ Date ____ Time ____

7) Location where samples are stored: LOGIN

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: ✓

8) Do all samples have the proper Acid pH: Yes ____ No ____ N/A ✓

9) Do all samples have the proper Base pH: Yes ____ No ____ N/A ✓

10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes ____ N/A ✓

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		16 oz amber	
500 mL Amber		8 oz amber/clear jar	
250 mL Amber (8oz amber)		4 oz amber/clear jar	
1 Liter Plastic		2 oz amber/clear jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		SOC Kit	
40 mL Vial - type listed below	11	Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

40 mL vials: # HCl 11 # Methanol ____ **Time and Date Frozen:**

Bisulfate ____ # DI Water ____

Thiosulfate ____ Unpreserved ____

Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)

Any False statement will be brought to the attention of Client

Question	Answer (True/False) T/F/NA	Comment
1) The cooler's custody seal, if present, is intact.	NA	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	T	
4) Cooler Temperature is acceptable.	T	
5) Cooler Temperature is recorded.	T	
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) There are no discrepancies between the sample IDs on the container and the COC.	T	
10) Samples are received within Holding Time.	T	
11) Sample containers have legible labels.	T	
12) Containers are not broken or leaking.	T	
13) Air Cassettes are not broken/open.	NA	
14) Sample collection date/times are provided.	T	
15) Appropriate sample containers are used.	T	
16) Proper collection media used.	T	
17) No headspace sample bottles are completely filled.	T	
18) There is sufficient volume for all requsted analyses, including any requested MS/MSDs.	T	
19) Trip blanks provided if applicable.	T	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	T	
21) Samples do not require splitting or compositing.	T	

Who notified of False statements? **Date/Time:** 7/26/16 959

Doc #277 Rev. 4 August 2013 **Log-In Technician Initials:** MG **Date/Time:**

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August 30, 2016

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

Project Location: S. Otselic, NY
Client Job Number:
Project Number: 00266406.0000
Laboratory Work Order Number: 16H1084

Enclosed are results of analyses for samples received by the laboratory on August 22, 2016. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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: 8/30/2016

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 00266406.0000

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 16H1084

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

PROJECT LOCATION: S. Otselic, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
RW-1	16H1084-01	Ground Water		EPA 624	
RW-2	16H1084-02	Ground Water		EPA 624	
EFF 46HZ	16H1084-03	Ground Water		EPA 624	
Trip Blank	16H1084-04	Trip Blank Water		EPA 624	

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CASE NARRATIVE SUMMARY

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

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

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: S. Otselic, NY | Sample Description: | Work Order: 16H1084

Date Received: 8/22/2016

Field Sample #: RW-1 | Sampled: 8/18/2016 06:40

Sample ID: 16H1084-01

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	ND	1.0	0.12	µg/L	1		EPA 624	8/25/16	8/25/16 14:24	EEH
Bromodichloromethane	ND	2.0	0.30	µg/L	1		EPA 624	8/25/16	8/25/16 14:24	EEH
Bromoform	ND	2.0	0.21	µg/L	1		EPA 624	8/25/16	8/25/16 14:24	EEH
Bromomethane	ND	2.0	0.94	µg/L	1		EPA 624	8/25/16	8/25/16 14:24	EEH
Carbon Tetrachloride	ND	2.0	0.25	µg/L	1		EPA 624	8/25/16	8/25/16 14:24	EEH
Chlorobenzene	ND	2.0	0.16	µg/L	1		EPA 624	8/25/16	8/25/16 14:24	EEH
Chlorodibromomethane	ND	2.0	0.10	µg/L	1		EPA 624	8/25/16	8/25/16 14:24	EEH
Chloroethane	ND	2.0	0.28	µg/L	1		EPA 624	8/25/16	8/25/16 14:24	EEH
2-Chloroethyl Vinyl Ether	ND	10	2.2	µg/L	1		EPA 624	8/25/16	8/25/16 14:24	EEH
Chloroform	ND	2.0	0.22	µg/L	1		EPA 624	8/25/16	8/25/16 14:24	EEH
Chloromethane	ND	2.0	0.55	µg/L	1		EPA 624	8/25/16	8/25/16 14:24	EEH
1,2-Dichlorobenzene	ND	2.0	0.17	µg/L	1		EPA 624	8/25/16	8/25/16 14:24	EEH
1,3-Dichlorobenzene	ND	2.0	0.17	µg/L	1		EPA 624	8/25/16	8/25/16 14:24	EEH
1,4-Dichlorobenzene	ND	2.0	0.15	µg/L	1		EPA 624	8/25/16	8/25/16 14:24	EEH
1,2-Dichloroethane	ND	2.0	0.19	µg/L	1		EPA 624	8/25/16	8/25/16 14:24	EEH
1,1-Dichloroethane	1.6	2.0	0.16	µg/L	1	J	EPA 624	8/25/16	8/25/16 14:24	EEH
1,1-Dichloroethylene	0.89	2.0	0.21	µg/L	1	J	EPA 624	8/25/16	8/25/16 14:24	EEH
trans-1,2-Dichloroethylene	ND	2.0	0.15	µg/L	1		EPA 624	8/25/16	8/25/16 14:24	EEH
1,2-Dichloropropane	ND	2.0	0.13	µg/L	1		EPA 624	8/25/16	8/25/16 14:24	EEH
cis-1,3-Dichloropropene	ND	2.0	0.12	µg/L	1		EPA 624	8/25/16	8/25/16 14:24	EEH
trans-1,3-Dichloropropene	ND	2.0	0.11	µg/L	1		EPA 624	8/25/16	8/25/16 14:24	EEH
Ethylbenzene	ND	2.0	0.13	µg/L	1		EPA 624	8/25/16	8/25/16 14:24	EEH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.090	µg/L	1		EPA 624	8/25/16	8/25/16 14:24	EEH
Methylene Chloride	ND	5.0	3.2	µg/L	1		EPA 624	8/25/16	8/25/16 14:24	EEH
1,1,2,2-Tetrachloroethane	ND	2.0	0.16	µg/L	1		EPA 624	8/25/16	8/25/16 14:24	EEH
Tetrachloroethylene	ND	2.0	0.27	µg/L	1		EPA 624	8/25/16	8/25/16 14:24	EEH
Toluene	ND	1.0	0.17	µg/L	1		EPA 624	8/25/16	8/25/16 14:24	EEH
1,1,1-Trichloroethane	34	2.0	0.13	µg/L	1		EPA 624	8/25/16	8/25/16 14:24	EEH
1,1,2-Trichloroethane	ND	2.0	0.24	µg/L	1		EPA 624	8/25/16	8/25/16 14:24	EEH
Trichloroethylene	ND	2.0	0.20	µg/L	1		EPA 624	8/25/16	8/25/16 14:24	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		EPA 624	8/25/16	8/25/16 14:24	EEH
Vinyl Chloride	ND	2.0	0.13	µg/L	1		EPA 624	8/25/16	8/25/16 14:24	EEH
m+p Xylene	ND	2.0	0.26	µg/L	1		EPA 624	8/25/16	8/25/16 14:24	EEH
o-Xylene	ND	2.0	0.13	µg/L	1		EPA 624	8/25/16	8/25/16 14:24	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	97.4	70-130		8/25/16 14:24
Toluene-d8	100	70-130		8/25/16 14:24
4-Bromofluorobenzene	95.0	70-130		8/25/16 14:24

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Project Location: S. Otselic, NY | Sample Description: | Work Order: 16H1084

Date Received: 8/22/2016

Field Sample #: RW-2 | Sampled: 8/18/2016 06:45

Sample ID: 16H1084-02

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	ND	1.0	0.12	µg/L	1		EPA 624	8/25/16	8/25/16 14:51	EEH
Bromodichloromethane	ND	2.0	0.30	µg/L	1		EPA 624	8/25/16	8/25/16 14:51	EEH
Bromoform	ND	2.0	0.21	µg/L	1		EPA 624	8/25/16	8/25/16 14:51	EEH
Bromomethane	ND	2.0	0.94	µg/L	1		EPA 624	8/25/16	8/25/16 14:51	EEH
Carbon Tetrachloride	ND	2.0	0.25	µg/L	1		EPA 624	8/25/16	8/25/16 14:51	EEH
Chlorobenzene	ND	2.0	0.16	µg/L	1		EPA 624	8/25/16	8/25/16 14:51	EEH
Chlorodibromomethane	ND	2.0	0.10	µg/L	1		EPA 624	8/25/16	8/25/16 14:51	EEH
Chloroethane	ND	2.0	0.28	µg/L	1		EPA 624	8/25/16	8/25/16 14:51	EEH
2-Chloroethyl Vinyl Ether	ND	10	2.2	µg/L	1		EPA 624	8/25/16	8/25/16 14:51	EEH
Chloroform	ND	2.0	0.22	µg/L	1		EPA 624	8/25/16	8/25/16 14:51	EEH
Chloromethane	ND	2.0	0.55	µg/L	1		EPA 624	8/25/16	8/25/16 14:51	EEH
1,2-Dichlorobenzene	ND	2.0	0.17	µg/L	1		EPA 624	8/25/16	8/25/16 14:51	EEH
1,3-Dichlorobenzene	ND	2.0	0.17	µg/L	1		EPA 624	8/25/16	8/25/16 14:51	EEH
1,4-Dichlorobenzene	ND	2.0	0.15	µg/L	1		EPA 624	8/25/16	8/25/16 14:51	EEH
1,2-Dichloroethane	ND	2.0	0.19	µg/L	1		EPA 624	8/25/16	8/25/16 14:51	EEH
1,1-Dichloroethane	0.70	2.0	0.16	µg/L	1	J	EPA 624	8/25/16	8/25/16 14:51	EEH
1,1-Dichloroethylene	0.72	2.0	0.21	µg/L	1	J	EPA 624	8/25/16	8/25/16 14:51	EEH
trans-1,2-Dichloroethylene	ND	2.0	0.15	µg/L	1		EPA 624	8/25/16	8/25/16 14:51	EEH
1,2-Dichloropropane	ND	2.0	0.13	µg/L	1		EPA 624	8/25/16	8/25/16 14:51	EEH
cis-1,3-Dichloropropene	ND	2.0	0.12	µg/L	1		EPA 624	8/25/16	8/25/16 14:51	EEH
trans-1,3-Dichloropropene	ND	2.0	0.11	µg/L	1		EPA 624	8/25/16	8/25/16 14:51	EEH
Ethylbenzene	ND	2.0	0.13	µg/L	1		EPA 624	8/25/16	8/25/16 14:51	EEH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.090	µg/L	1		EPA 624	8/25/16	8/25/16 14:51	EEH
Methylene Chloride	ND	5.0	3.2	µg/L	1		EPA 624	8/25/16	8/25/16 14:51	EEH
1,1,2,2-Tetrachloroethane	ND	2.0	0.16	µg/L	1		EPA 624	8/25/16	8/25/16 14:51	EEH
Tetrachloroethylene	ND	2.0	0.27	µg/L	1		EPA 624	8/25/16	8/25/16 14:51	EEH
Toluene	ND	1.0	0.17	µg/L	1		EPA 624	8/25/16	8/25/16 14:51	EEH
1,1,1-Trichloroethane	29	2.0	0.13	µg/L	1		EPA 624	8/25/16	8/25/16 14:51	EEH
1,1,2-Trichloroethane	ND	2.0	0.24	µg/L	1		EPA 624	8/25/16	8/25/16 14:51	EEH
Trichloroethylene	ND	2.0	0.20	µg/L	1		EPA 624	8/25/16	8/25/16 14:51	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		EPA 624	8/25/16	8/25/16 14:51	EEH
Vinyl Chloride	ND	2.0	0.13	µg/L	1		EPA 624	8/25/16	8/25/16 14:51	EEH
m+p Xylene	ND	2.0	0.26	µg/L	1		EPA 624	8/25/16	8/25/16 14:51	EEH
o-Xylene	ND	2.0	0.13	µg/L	1		EPA 624	8/25/16	8/25/16 14:51	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.2	70-130		8/25/16 14:51
Toluene-d8	98.9	70-130		8/25/16 14:51
4-Bromofluorobenzene	98.1	70-130		8/25/16 14:51

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Project Location: S. Otselic, NY | Sample Description: | Work Order: 16H1084

Date Received: 8/22/2016

Field Sample #: EFF 46HZ | Sampled: 8/18/2016 06:50

Sample ID: 16H1084-03

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	ND	1.0	0.12	µg/L	1		EPA 624	8/25/16	8/25/16 13:57	EEH
Bromodichloromethane	ND	2.0	0.30	µg/L	1		EPA 624	8/25/16	8/25/16 13:57	EEH
Bromoform	ND	2.0	0.21	µg/L	1		EPA 624	8/25/16	8/25/16 13:57	EEH
Bromomethane	ND	2.0	0.94	µg/L	1		EPA 624	8/25/16	8/25/16 13:57	EEH
Carbon Tetrachloride	ND	2.0	0.25	µg/L	1		EPA 624	8/25/16	8/25/16 13:57	EEH
Chlorobenzene	ND	2.0	0.16	µg/L	1		EPA 624	8/25/16	8/25/16 13:57	EEH
Chlorodibromomethane	ND	2.0	0.10	µg/L	1		EPA 624	8/25/16	8/25/16 13:57	EEH
Chloroethane	ND	2.0	0.28	µg/L	1		EPA 624	8/25/16	8/25/16 13:57	EEH
2-Chloroethyl Vinyl Ether	ND	10	2.2	µg/L	1		EPA 624	8/25/16	8/25/16 13:57	EEH
Chloroform	ND	2.0	0.22	µg/L	1		EPA 624	8/25/16	8/25/16 13:57	EEH
Chloromethane	ND	2.0	0.55	µg/L	1		EPA 624	8/25/16	8/25/16 13:57	EEH
1,2-Dichlorobenzene	ND	2.0	0.17	µg/L	1		EPA 624	8/25/16	8/25/16 13:57	EEH
1,3-Dichlorobenzene	ND	2.0	0.17	µg/L	1		EPA 624	8/25/16	8/25/16 13:57	EEH
1,4-Dichlorobenzene	ND	2.0	0.15	µg/L	1		EPA 624	8/25/16	8/25/16 13:57	EEH
1,2-Dichloroethane	ND	2.0	0.19	µg/L	1		EPA 624	8/25/16	8/25/16 13:57	EEH
1,1-Dichloroethane	ND	2.0	0.16	µg/L	1		EPA 624	8/25/16	8/25/16 13:57	EEH
1,1-Dichloroethylene	ND	2.0	0.21	µg/L	1		EPA 624	8/25/16	8/25/16 13:57	EEH
trans-1,2-Dichloroethylene	ND	2.0	0.15	µg/L	1		EPA 624	8/25/16	8/25/16 13:57	EEH
1,2-Dichloropropane	ND	2.0	0.13	µg/L	1		EPA 624	8/25/16	8/25/16 13:57	EEH
cis-1,3-Dichloropropene	ND	2.0	0.12	µg/L	1		EPA 624	8/25/16	8/25/16 13:57	EEH
trans-1,3-Dichloropropene	ND	2.0	0.11	µg/L	1		EPA 624	8/25/16	8/25/16 13:57	EEH
Ethylbenzene	ND	2.0	0.13	µg/L	1		EPA 624	8/25/16	8/25/16 13:57	EEH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.090	µg/L	1		EPA 624	8/25/16	8/25/16 13:57	EEH
Methylene Chloride	ND	5.0	3.2	µg/L	1		EPA 624	8/25/16	8/25/16 13:57	EEH
1,1,2,2-Tetrachloroethane	ND	2.0	0.16	µg/L	1		EPA 624	8/25/16	8/25/16 13:57	EEH
Tetrachloroethylene	ND	2.0	0.27	µg/L	1		EPA 624	8/25/16	8/25/16 13:57	EEH
Toluene	ND	1.0	0.17	µg/L	1		EPA 624	8/25/16	8/25/16 13:57	EEH
1,1,1-Trichloroethane	ND	2.0	0.13	µg/L	1		EPA 624	8/25/16	8/25/16 13:57	EEH
1,1,2-Trichloroethane	ND	2.0	0.24	µg/L	1		EPA 624	8/25/16	8/25/16 13:57	EEH
Trichloroethylene	ND	2.0	0.20	µg/L	1		EPA 624	8/25/16	8/25/16 13:57	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		EPA 624	8/25/16	8/25/16 13:57	EEH
Vinyl Chloride	ND	2.0	0.13	µg/L	1		EPA 624	8/25/16	8/25/16 13:57	EEH
m+p Xylene	ND	2.0	0.26	µg/L	1		EPA 624	8/25/16	8/25/16 13:57	EEH
o-Xylene	ND	2.0	0.13	µg/L	1		EPA 624	8/25/16	8/25/16 13:57	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.8	70-130		8/25/16 13:57
Toluene-d8	99.9	70-130		8/25/16 13:57
4-Bromofluorobenzene	96.5	70-130		8/25/16 13:57

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Project Location: S. Otselic, NY | Sample Description: | Work Order: 16H1084

Date Received: 8/22/2016

Field Sample #: Trip Blank | Sampled: 8/18/2016 00:00

Sample ID: 16H1084-04

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	0.19	1.0	0.12	µg/L	1	J	EPA 624	8/25/16	8/25/16 13:31	EEH
Bromodichloromethane	ND	2.0	0.30	µg/L	1		EPA 624	8/25/16	8/25/16 13:31	EEH
Bromoform	ND	2.0	0.21	µg/L	1		EPA 624	8/25/16	8/25/16 13:31	EEH
Bromomethane	ND	2.0	0.94	µg/L	1		EPA 624	8/25/16	8/25/16 13:31	EEH
Carbon Tetrachloride	ND	2.0	0.25	µg/L	1		EPA 624	8/25/16	8/25/16 13:31	EEH
Chlorobenzene	ND	2.0	0.16	µg/L	1		EPA 624	8/25/16	8/25/16 13:31	EEH
Chlorodibromomethane	ND	2.0	0.10	µg/L	1		EPA 624	8/25/16	8/25/16 13:31	EEH
Chloroethane	ND	2.0	0.28	µg/L	1		EPA 624	8/25/16	8/25/16 13:31	EEH
2-Chloroethyl Vinyl Ether	ND	10	2.2	µg/L	1		EPA 624	8/25/16	8/25/16 13:31	EEH
Chloroform	ND	2.0	0.22	µg/L	1		EPA 624	8/25/16	8/25/16 13:31	EEH
Chloromethane	ND	2.0	0.55	µg/L	1		EPA 624	8/25/16	8/25/16 13:31	EEH
1,2-Dichlorobenzene	ND	2.0	0.17	µg/L	1		EPA 624	8/25/16	8/25/16 13:31	EEH
1,3-Dichlorobenzene	ND	2.0	0.17	µg/L	1		EPA 624	8/25/16	8/25/16 13:31	EEH
1,4-Dichlorobenzene	ND	2.0	0.15	µg/L	1		EPA 624	8/25/16	8/25/16 13:31	EEH
1,2-Dichloroethane	ND	2.0	0.19	µg/L	1		EPA 624	8/25/16	8/25/16 13:31	EEH
1,1-Dichloroethane	ND	2.0	0.16	µg/L	1		EPA 624	8/25/16	8/25/16 13:31	EEH
1,1-Dichloroethylene	ND	2.0	0.21	µg/L	1		EPA 624	8/25/16	8/25/16 13:31	EEH
trans-1,2-Dichloroethylene	ND	2.0	0.15	µg/L	1		EPA 624	8/25/16	8/25/16 13:31	EEH
1,2-Dichloropropane	ND	2.0	0.13	µg/L	1		EPA 624	8/25/16	8/25/16 13:31	EEH
cis-1,3-Dichloropropene	ND	2.0	0.12	µg/L	1		EPA 624	8/25/16	8/25/16 13:31	EEH
trans-1,3-Dichloropropene	ND	2.0	0.11	µg/L	1		EPA 624	8/25/16	8/25/16 13:31	EEH
Ethylbenzene	ND	2.0	0.13	µg/L	1		EPA 624	8/25/16	8/25/16 13:31	EEH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.090	µg/L	1		EPA 624	8/25/16	8/25/16 13:31	EEH
Methylene Chloride	ND	5.0	3.2	µg/L	1		EPA 624	8/25/16	8/25/16 13:31	EEH
1,1,2,2-Tetrachloroethane	ND	2.0	0.16	µg/L	1		EPA 624	8/25/16	8/25/16 13:31	EEH
Tetrachloroethylene	ND	2.0	0.27	µg/L	1		EPA 624	8/25/16	8/25/16 13:31	EEH
Toluene	0.64	1.0	0.17	µg/L	1	J	EPA 624	8/25/16	8/25/16 13:31	EEH
1,1,1-Trichloroethane	ND	2.0	0.13	µg/L	1		EPA 624	8/25/16	8/25/16 13:31	EEH
1,1,2-Trichloroethane	ND	2.0	0.24	µg/L	1		EPA 624	8/25/16	8/25/16 13:31	EEH
Trichloroethylene	ND	2.0	0.20	µg/L	1		EPA 624	8/25/16	8/25/16 13:31	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		EPA 624	8/25/16	8/25/16 13:31	EEH
Vinyl Chloride	ND	2.0	0.13	µg/L	1		EPA 624	8/25/16	8/25/16 13:31	EEH
m+p Xylene	0.39	2.0	0.26	µg/L	1	J	EPA 624	8/25/16	8/25/16 13:31	EEH
o-Xylene	0.17	2.0	0.13	µg/L	1	J	EPA 624	8/25/16	8/25/16 13:31	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	100	70-130		8/25/16 13:31
Toluene-d8	101	70-130		8/25/16 13:31
4-Bromofluorobenzene	97.1	70-130		8/25/16 13:31

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Sample Extraction Data

Prep Method: SW-846 5030B-EPA 624

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
16H1084-01 [RW-1]	B156937	5	5.00	08/25/16
16H1084-02 [RW-2]	B156937	5	5.00	08/25/16
16H1084-03 [EFF 46HZ]	B156937	5	5.00	08/25/16
16H1084-04 [Trip Blank]	B156937	5	5.00	08/25/16

con-test® ANALYTICAL LABORATORY
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 B156937 - SW-846 5030B										
Blank (B156937-BLK1)				Prepared: 08/24/16 Analyzed: 08/25/16						
Benzene	ND	1.0	µg/L							
Bromodichloromethane	ND	2.0	µg/L							
Bromoform	ND	2.0	µg/L							
Bromomethane	ND	2.0	µg/L							
Carbon Tetrachloride	ND	2.0	µg/L							
Chlorobenzene	ND	2.0	µg/L							
Chlorodibromomethane	ND	2.0	µg/L							
Chloroethane	ND	2.0	µg/L							
2-Chloroethyl Vinyl Ether	ND	10	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
1,2-Dichlorobenzene	ND	2.0	µg/L							
1,3-Dichlorobenzene	ND	2.0	µg/L							
1,4-Dichlorobenzene	ND	2.0	µg/L							
1,2-Dichloroethane	ND	2.0	µg/L							
1,1-Dichloroethane	ND	2.0	µg/L							
1,1-Dichloroethylene	ND	2.0	µg/L							
trans-1,2-Dichloroethylene	ND	2.0	µg/L							
1,2-Dichloropropane	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	2.0	µg/L							
trans-1,3-Dichloropropene	ND	2.0	µg/L							
Ethylbenzene	ND	2.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L							
Tetrachloroethylene	ND	2.0	µg/L							
Toluene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	2.0	µg/L							
1,1,2-Trichloroethane	ND	2.0	µg/L							
Trichloroethylene	ND	2.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	2.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	*24.8*		µg/L	25.0		99.3	70-130			
Surrogate: Toluene-d8	*24.8*		µg/L	25.0		99.1	70-130			
Surrogate: 4-Bromofluorobenzene	*24.0*		µg/L	25.0		96.2	70-130			
LCS (B156937-BS1)				Prepared: 08/24/16 Analyzed: 08/25/16						
Benzene	9.61	1.0	µg/L	10.0		96.1	37-151			
Bromodichloromethane	8.73	2.0	µg/L	10.0		87.3	35-155			
Bromoform	7.09	2.0	µg/L	10.0		70.9	45-169			
Bromomethane	8.78	2.0	µg/L	10.0		87.8	20-242			
Carbon Tetrachloride	7.68	2.0	µg/L	10.0		76.8	70-140			
Chlorobenzene	9.73	2.0	µg/L	10.0		97.3	37-160			
Chlorodibromomethane	8.61	2.0	µg/L	10.0		86.1	53-149			
Chloroethane	8.35	2.0	µg/L	10.0		83.5	70-130			
2-Chloroethyl Vinyl Ether	105	10	µg/L	100		105	10-305			
Chloroform	9.70	2.0	µg/L	10.0		97.0	51-138			
Chloromethane	7.31	2.0	µg/L	10.0		73.1	20-273			
1,2-Dichlorobenzene	9.61	2.0	µg/L	10.0		96.1	18-190			
1,3-Dichlorobenzene	9.45	2.0	µg/L	10.0		94.5	59-156			

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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 B156937 - SW-846 5030B										
LCS (B156937-BS1)				Prepared: 08/24/16 Analyzed: 08/25/16						
1,4-Dichlorobenzene	9.48	2.0	µg/L	10.0		94.8	18-190			
1,2-Dichloroethane	8.45	2.0	µg/L	10.0		84.5	49-155			
1,1-Dichloroethane	9.63	2.0	µg/L	10.0		96.3	59-155			
1,1-Dichloroethylene	8.63	2.0	µg/L	10.0		86.3	20-234			
trans-1,2-Dichloroethylene	8.70	2.0	µg/L	10.0		87.0	54-156			
1,2-Dichloropropane	9.49	2.0	µg/L	10.0		94.9	20-210			
cis-1,3-Dichloropropene	8.87	2.0	µg/L	10.0		88.7	20-227			
trans-1,3-Dichloropropene	8.71	2.0	µg/L	10.0		87.1	17-183			
Ethylbenzene	9.42	2.0	µg/L	10.0		94.2	37-162			
Methyl tert-Butyl Ether (MTBE)	9.73	2.0	µg/L	10.0		97.3	70-130			
Methylene Chloride	9.91	5.0	µg/L	10.0		99.1	50-221			
1,1,2,2-Tetrachloroethane	10.2	2.0	µg/L	10.0		102	46-157			
Tetrachloroethylene	8.50	2.0	µg/L	10.0		85.0	64-148			
Toluene	9.12	1.0	µg/L	10.0		91.2	47-150			
1,1,1-Trichloroethane	8.66	2.0	µg/L	10.0		86.6	52-162			
1,1,2-Trichloroethane	10.2	2.0	µg/L	10.0		102	52-150			
Trichloroethylene	9.46	2.0	µg/L	10.0		94.6	71-157			
Trichlorofluoromethane (Freon 11)	7.72	2.0	µg/L	10.0		77.2	17-181			
Vinyl Chloride	5.78	2.0	µg/L	10.0		57.8	20-251			
m+p Xylene	18.0	2.0	µg/L	20.0		90.1	70-130			
o-Xylene	9.24	2.0	µg/L	10.0		92.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	*24.6*		µg/L	25.0		98.2	70-130			
Surrogate: Toluene-d8	*25.0*		µg/L	25.0		99.9	70-130			
Surrogate: 4-Bromofluorobenzene	*24.1*		µg/L	25.0		96.3	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
DL	Method Detection Limit
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).

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA 624 in Water	
Benzene	CT,MA,NH,NY,RI,NC,ME,VA
Bromodichloromethane	CT,MA,NH,NY,RI,NC,ME,VA
Bromoform	CT,MA,NH,NY,RI,NC,ME,VA
Bromomethane	CT,MA,NH,NY,RI,NC,ME,VA
Carbon Tetrachloride	CT,MA,NH,NY,RI,NC,ME,VA
Chlorobenzene	CT,MA,NH,NY,RI,NC,ME,VA
Chlorodibromomethane	CT,MA,NH,NY,RI,NC,ME,VA
Chloroethane	CT,MA,NH,NY,RI,NC,ME,VA
2-Chloroethyl Vinyl Ether	CT,MA,NH,NY,RI,NC,ME,VA
Chloroform	CT,MA,NH,NY,RI,NC,ME,VA
Chloromethane	CT,MA,NH,NY,RI,NC,ME,VA
1,2-Dichlorobenzene	CT,MA,NH,NY,RI,NC,ME,VA
1,3-Dichlorobenzene	CT,MA,NH,NY,RI,NC,ME,VA
1,4-Dichlorobenzene	CT,MA,NH,NY,RI,NC,ME,VA
1,2-Dichloroethane	CT,MA,NH,NY,RI,NC,ME,VA
1,1-Dichloroethane	CT,MA,NH,NY,RI,NC,ME,VA
1,1-Dichloroethylene	CT,MA,NH,NY,RI,NC,ME,VA
trans-1,2-Dichloroethylene	CT,MA,NH,NY,RI,NC,ME,VA
1,2-Dichloropropane	CT,MA,NH,NY,RI,NC,ME,VA
cis-1,3-Dichloropropene	CT,MA,NH,NY,RI,NC,ME,VA
trans-1,3-Dichloropropene	CT,MA,NH,NY,RI,NC,ME,VA
Ethylbenzene	CT,MA,NH,NY,RI,NC,ME,VA
Methyl tert-Butyl Ether (MTBE)	NY,NC
Methylene Chloride	CT,MA,NH,NY,RI,NC,ME,VA
1,1,2,2-Tetrachloroethane	CT,MA,NH,NY,RI,NC,ME,VA
Tetrachloroethylene	CT,MA,NH,NY,RI,NC,ME,VA
Toluene	CT,MA,NH,NY,RI,NC,ME,VA
1,1,1-Trichloroethane	CT,MA,NH,NY,RI,NC,ME,VA
1,1,2-Trichloroethane	CT,MA,NH,NY,RI,NC,ME,VA
Trichloroethylene	CT,MA,NH,NY,RI,NC,ME,VA
Trichlorofluoromethane (Freon 11)	CT,MA,NH,NY,RI,NC,ME,VA
Vinyl Chloride	CT,MA,NH,NY,RI,NC,ME,VA
m+p Xylene	CT,MA,NH,NY,RI,NC,VA
o-Xylene	CT,MA,NH,NY,RI,NC,VA

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	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2017
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2017
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2017
RI	Rhode Island Department of Health	LAO00112	12/30/2016
NC	North Carolina Div. of Water Quality	652	12/31/2016
NJ	New Jersey DEP	MA007 NELAP	06/30/2017
FL	Florida Department of Health	E871027 NELAP	06/30/2017
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2017
ME	State of Maine	2011028	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2016
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2016

CHAIN OF CUSTODY RECORD

NEW YORK STATE

16H1084

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

Company Name: ArcaDis
Address: 855 Route 146, STE 210
Clifton Park NY 12065
Attention: J. Wyckoff
Project Location: S. Otselic, NY
Sampled By: L. Whalen

Telephone: 518-250-7300
Project # 00266406.0000
Client PO#

DATA DELIVERY (check all that apply)
○ FAX ● EMAIL ○ WEBSITE
Fax #
Email:
Format: PDF ○ EXCEL ○ GIS ○
○ OTHER
○ "Enhanced Data Package"

○ Project Proposal Provided? (for billing purposes)

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	624	# of Containers	** Preservation	***Container Code
01	RW-1	8/18/16	0640		X	GW	m	X			
02	RW-2		0645		X		m	X			
03	EFF 46HZ		0650		X		L	X			
04	Trip Blank		–		X		–	X			

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ Lab to Filter

***Cont. Code:**
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other

****Preservation**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other

***Matrix Code:**
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other

Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:	Relinquished by:	Date/Time:
L. Whalen	8/19/16 0900		
Received by: (signature)	Date/Time:	Received by:	Date/Time:
	8/22/16 1149		
Relinquished by: (signature)	Date/Time:	Relinquished by:	Date/Time:
Received by: (signature)	Date/Time:	Received by:	Date/Time:

Turnaround †
☐ 5-Day
☐ 7 Day
■ 10-Day or ___
RUSH †
24 hr ○ 48 hr ○
72 hr ○ 4 day ○
† Require lab approval

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

Deliverables
○ ASP-A ○ Equis (1 file) ○ Other:
● ASP-B ● Equis (4 file)

TURNAROUND TIME (business days) STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED. PLEASE BE CAREFUL TO NOT CONTAMINATE THIS DOCUMENT

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39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.contestlabs.com

con-test® ANALYTICAL LABORATORY

Sample Receipt Checklist

CLIENT NAME: Arcadis **RECEIVED BY:** EB **DATE:** 8/22/16

1) **Was the chain(s) of custody relinquished and signed?** Yes ✓ No ____ No COC Incl.

2) **Does the chain agree with the samples?** Yes ✓ No ____
If not, explain:

3) **Are all the samples in good condition?** Yes ✓ No ____
If not, explain:

4) **How were the samples received:**
On Ice ✓ melted Direct from Sampling ____ Ambient ____ In Cooler(s) ✓

Were the samples received in Temperature Compliance of (2-6°C)? Yes ____ No ✓ N/A ____

Temperature °C by Temp blank ____ Temperature °C by Temp gun 24.1

5) **Are there Dissolved samples for the lab to filter?** Yes ____ No ✓
Who was notified ____ Date ____ Time ____

6) **Are there any RUSH or SHORT HOLDING TIME samples?** Yes ____ No ✓
Who was notified ____ Date ____ Time ____

7) **Location where samples are stored:** Log In

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: ____

8) **Do all samples have the proper Acid pH:** Yes ____ No ____ N/A ✓

9) **Do all samples have the proper Base pH:** Yes ____ No ____ N/A ✓

10) **Was the PC notified of any discrepancies with the CoC vs the samples:** Yes ____ N/A ✓

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		16 oz amber	
500 mL Amber		8 oz amber/clear jar	
250 mL Amber (8oz amber)		4 oz amber/clear jar	
1 Liter Plastic		2 oz amber/clear jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		SOC Kit	
40 mL Vial - type listed below	11	Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

40 mL vials: # HCl ____ # Methanol ____ **Time and Date Frozen:**
Bisulfate ____ # DI Water ____
Thiosulfate ____ Unpreserved ____

Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)

Any False statement will be brought to the attention of Client

Question	Answer (True/False) T/F/NA	Comment
1) The cooler's custody seal, if present, is intact.	T	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	F	Melted Ice
4) Cooler Temperature is acceptable.	F	
5) Cooler Temperature is recorded.	T	24.1 with gun
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) There are no discrepancies between the sample IDs on the container and the COC.	T	
10) Samples are received within Holding Time.	T	
11) Sample containers have legible labels.	T	
12) Containers are not broken or leaking.	T	
13) Air Cassettes are not broken/open.	N/A	
14) Sample collection date/times are provided.	T	
15) Appropriate sample containers are used.	T	
16) Proper collection media used.	T	
17) No headspace sample bottles are completely filled.	T	
18) There is sufficient volume for all requsted analyses, including any requested MS/MSDs.	T	
19) Trip blanks provided if applicable.	T	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	T	
21) Samples do not require splitting or compositing.	T	

Who notified of False statements? **Date/Time:**

Doc #277 Rev. 4 August 2013 **Log-In Technician Initials:** EB **Date/Time:** 8/22/16 1149

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

September 22, 2016

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

Project Location: S. Otselic, NY
Client Job Number:
Project Number: 00266406.0000
Laboratory Work Order Number: 16I0718

Enclosed are results of analyses for samples received by the laboratory on September 19, 2016. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Aaron L. Benoit
Project Manager

Table of Contents

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

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

REPORT DATE: 9/22/2016

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 00266406.0000

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 16I0718

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

PROJECT LOCATION: S. Otselic, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
RW-1	16I0718-01	Ground Water		EPA 624	
RW-2	16I0718-02	Ground Water		EPA 624	
EFF 46 HZ	16I0718-03	Ground Water		EPA 624	
Trip Blank	16I0718-04	Trip Blank Water		EPA 624	

con-test® ANALYTICAL LABORATORY
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CASE NARRATIVE SUMMARY

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

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

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: S. Otselic, NY | Sample Description: | Work Order: 16I0718

Date Received: 9/19/2016

Field Sample #: RW-1 | Sampled: 9/16/2016 08:00

Sample ID: 16I0718-01

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	ND	1.0	0.12	µg/L	1		EPA 624	9/20/16	9/21/16 20:47	EEH
Bromodichloromethane	ND	2.0	0.30	µg/L	1		EPA 624	9/20/16	9/21/16 20:47	EEH
Bromoform	ND	2.0	0.21	µg/L	1		EPA 624	9/20/16	9/21/16 20:47	EEH
Bromomethane	ND	2.0	0.94	µg/L	1		EPA 624	9/20/16	9/21/16 20:47	EEH
Carbon Tetrachloride	ND	2.0	0.25	µg/L	1		EPA 624	9/20/16	9/21/16 20:47	EEH
Chlorobenzene	ND	2.0	0.16	µg/L	1		EPA 624	9/20/16	9/21/16 20:47	EEH
Chlorodibromomethane	ND	2.0	0.10	µg/L	1		EPA 624	9/20/16	9/21/16 20:47	EEH
Chloroethane	ND	2.0	0.28	µg/L	1		EPA 624	9/20/16	9/21/16 20:47	EEH
2-Chloroethyl Vinyl Ether	ND	10	2.2	µg/L	1		EPA 624	9/20/16	9/21/16 20:47	EEH
Chloroform	ND	2.0	0.22	µg/L	1		EPA 624	9/20/16	9/21/16 20:47	EEH
Chloromethane	ND	2.0	0.55	µg/L	1		EPA 624	9/20/16	9/21/16 20:47	EEH
1,2-Dichlorobenzene	ND	2.0	0.17	µg/L	1		EPA 624	9/20/16	9/21/16 20:47	EEH
1,3-Dichlorobenzene	ND	2.0	0.17	µg/L	1		EPA 624	9/20/16	9/21/16 20:47	EEH
1,4-Dichlorobenzene	ND	2.0	0.15	µg/L	1		EPA 624	9/20/16	9/21/16 20:47	EEH
1,2-Dichloroethane	ND	2.0	0.19	µg/L	1		EPA 624	9/20/16	9/21/16 20:47	EEH
1,1-Dichloroethane	1.6	2.0	0.16	µg/L	1	J	EPA 624	9/20/16	9/21/16 20:47	EEH
1,1-Dichloroethylene	0.75	2.0	0.21	µg/L	1	J	EPA 624	9/20/16	9/21/16 20:47	EEH
trans-1,2-Dichloroethylene	ND	2.0	0.15	µg/L	1		EPA 624	9/20/16	9/21/16 20:47	EEH
1,2-Dichloropropane	ND	2.0	0.13	µg/L	1		EPA 624	9/20/16	9/21/16 20:47	EEH
cis-1,3-Dichloropropene	ND	2.0	0.12	µg/L	1		EPA 624	9/20/16	9/21/16 20:47	EEH
trans-1,3-Dichloropropene	ND	2.0	0.11	µg/L	1		EPA 624	9/20/16	9/21/16 20:47	EEH
Ethylbenzene	ND	2.0	0.13	µg/L	1		EPA 624	9/20/16	9/21/16 20:47	EEH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.090	µg/L	1		EPA 624	9/20/16	9/21/16 20:47	EEH
Methylene Chloride	ND	5.0	3.2	µg/L	1		EPA 624	9/20/16	9/21/16 20:47	EEH
1,1,2,2-Tetrachloroethane	ND	2.0	0.16	µg/L	1		EPA 624	9/20/16	9/21/16 20:47	EEH
Tetrachloroethylene	ND	2.0	0.27	µg/L	1		EPA 624	9/20/16	9/21/16 20:47	EEH
Toluene	ND	1.0	0.17	µg/L	1		EPA 624	9/20/16	9/21/16 20:47	EEH
1,1,1-Trichloroethane	36	2.0	0.13	µg/L	1		EPA 624	9/20/16	9/21/16 20:47	EEH
1,1,2-Trichloroethane	ND	2.0	0.24	µg/L	1		EPA 624	9/20/16	9/21/16 20:47	EEH
Trichloroethylene	ND	2.0	0.20	µg/L	1		EPA 624	9/20/16	9/21/16 20:47	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		EPA 624	9/20/16	9/21/16 20:47	EEH
Vinyl Chloride	ND	2.0	0.13	µg/L	1		EPA 624	9/20/16	9/21/16 20:47	EEH
m+p Xylene	ND	2.0	0.26	µg/L	1		EPA 624	9/20/16	9/21/16 20:47	EEH
o-Xylene	ND	2.0	0.13	µg/L	1		EPA 624	9/20/16	9/21/16 20:47	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	90.4	70-130		9/21/16 20:47
Toluene-d8	98.2	70-130		9/21/16 20:47
4-Bromofluorobenzene	99.1	70-130		9/21/16 20:47

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: S. Otselic, NY | Sample Description: | Work Order: 16I0718

Date Received: 9/19/2016

Field Sample #: RW-2 | Sampled: 9/16/2016 08:05

Sample ID: 16I0718-02

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	ND	1.0	0.12	µg/L	1		EPA 624	9/20/16	9/21/16 21:13	EEH
Bromodichloromethane	ND	2.0	0.30	µg/L	1		EPA 624	9/20/16	9/21/16 21:13	EEH
Bromoform	ND	2.0	0.21	µg/L	1		EPA 624	9/20/16	9/21/16 21:13	EEH
Bromomethane	ND	2.0	0.94	µg/L	1		EPA 624	9/20/16	9/21/16 21:13	EEH
Carbon Tetrachloride	ND	2.0	0.25	µg/L	1		EPA 624	9/20/16	9/21/16 21:13	EEH
Chlorobenzene	ND	2.0	0.16	µg/L	1		EPA 624	9/20/16	9/21/16 21:13	EEH
Chlorodibromomethane	ND	2.0	0.10	µg/L	1		EPA 624	9/20/16	9/21/16 21:13	EEH
Chloroethane	ND	2.0	0.28	µg/L	1		EPA 624	9/20/16	9/21/16 21:13	EEH
2-Chloroethyl Vinyl Ether	ND	10	2.2	µg/L	1		EPA 624	9/20/16	9/21/16 21:13	EEH
Chloroform	ND	2.0	0.22	µg/L	1		EPA 624	9/20/16	9/21/16 21:13	EEH
Chloromethane	ND	2.0	0.55	µg/L	1		EPA 624	9/20/16	9/21/16 21:13	EEH
1,2-Dichlorobenzene	ND	2.0	0.17	µg/L	1		EPA 624	9/20/16	9/21/16 21:13	EEH
1,3-Dichlorobenzene	ND	2.0	0.17	µg/L	1		EPA 624	9/20/16	9/21/16 21:13	EEH
1,4-Dichlorobenzene	ND	2.0	0.15	µg/L	1		EPA 624	9/20/16	9/21/16 21:13	EEH
1,2-Dichloroethane	ND	2.0	0.19	µg/L	1		EPA 624	9/20/16	9/21/16 21:13	EEH
1,1-Dichloroethane	0.77	2.0	0.16	µg/L	1	J	EPA 624	9/20/16	9/21/16 21:13	EEH
1,1-Dichloroethylene	0.82	2.0	0.21	µg/L	1	J	EPA 624	9/20/16	9/21/16 21:13	EEH
trans-1,2-Dichloroethylene	ND	2.0	0.15	µg/L	1		EPA 624	9/20/16	9/21/16 21:13	EEH
1,2-Dichloropropane	ND	2.0	0.13	µg/L	1		EPA 624	9/20/16	9/21/16 21:13	EEH
cis-1,3-Dichloropropene	ND	2.0	0.12	µg/L	1		EPA 624	9/20/16	9/21/16 21:13	EEH
trans-1,3-Dichloropropene	ND	2.0	0.11	µg/L	1		EPA 624	9/20/16	9/21/16 21:13	EEH
Ethylbenzene	ND	2.0	0.13	µg/L	1		EPA 624	9/20/16	9/21/16 21:13	EEH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.090	µg/L	1		EPA 624	9/20/16	9/21/16 21:13	EEH
Methylene Chloride	ND	5.0	3.2	µg/L	1		EPA 624	9/20/16	9/21/16 21:13	EEH
1,1,2,2-Tetrachloroethane	ND	2.0	0.16	µg/L	1		EPA 624	9/20/16	9/21/16 21:13	EEH
Tetrachloroethylene	ND	2.0	0.27	µg/L	1		EPA 624	9/20/16	9/21/16 21:13	EEH
Toluene	ND	1.0	0.17	µg/L	1		EPA 624	9/20/16	9/21/16 21:13	EEH
1,1,1-Trichloroethane	35	2.0	0.13	µg/L	1		EPA 624	9/20/16	9/21/16 21:13	EEH
1,1,2-Trichloroethane	ND	2.0	0.24	µg/L	1		EPA 624	9/20/16	9/21/16 21:13	EEH
Trichloroethylene	ND	2.0	0.20	µg/L	1		EPA 624	9/20/16	9/21/16 21:13	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		EPA 624	9/20/16	9/21/16 21:13	EEH
Vinyl Chloride	ND	2.0	0.13	µg/L	1		EPA 624	9/20/16	9/21/16 21:13	EEH
m+p Xylene	ND	2.0	0.26	µg/L	1		EPA 624	9/20/16	9/21/16 21:13	EEH
o-Xylene	ND	2.0	0.13	µg/L	1		EPA 624	9/20/16	9/21/16 21:13	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	89.6	70-130		9/21/16 21:13
Toluene-d8	98.8	70-130		9/21/16 21:13
4-Bromofluorobenzene	99.6	70-130		9/21/16 21:13

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Project Location: S. Otselic, NY | Sample Description: | Work Order: 16I0718

Date Received: 9/19/2016

Field Sample #: EFF 46 HZ | Sampled: 9/16/2016 08:10

Sample ID: 16I0718-03

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	ND	1.0	0.12	µg/L	1		EPA 624	9/20/16	9/21/16 20:20	EEH
Bromodichloromethane	ND	2.0	0.30	µg/L	1		EPA 624	9/20/16	9/21/16 20:20	EEH
Bromoform	ND	2.0	0.21	µg/L	1		EPA 624	9/20/16	9/21/16 20:20	EEH
Bromomethane	ND	2.0	0.94	µg/L	1		EPA 624	9/20/16	9/21/16 20:20	EEH
Carbon Tetrachloride	ND	2.0	0.25	µg/L	1		EPA 624	9/20/16	9/21/16 20:20	EEH
Chlorobenzene	ND	2.0	0.16	µg/L	1		EPA 624	9/20/16	9/21/16 20:20	EEH
Chlorodibromomethane	ND	2.0	0.10	µg/L	1		EPA 624	9/20/16	9/21/16 20:20	EEH
Chloroethane	ND	2.0	0.28	µg/L	1		EPA 624	9/20/16	9/21/16 20:20	EEH
2-Chloroethyl Vinyl Ether	ND	10	2.2	µg/L	1		EPA 624	9/20/16	9/21/16 20:20	EEH
Chloroform	ND	2.0	0.22	µg/L	1		EPA 624	9/20/16	9/21/16 20:20	EEH
Chloromethane	ND	2.0	0.55	µg/L	1		EPA 624	9/20/16	9/21/16 20:20	EEH
1,2-Dichlorobenzene	ND	2.0	0.17	µg/L	1		EPA 624	9/20/16	9/21/16 20:20	EEH
1,3-Dichlorobenzene	ND	2.0	0.17	µg/L	1		EPA 624	9/20/16	9/21/16 20:20	EEH
1,4-Dichlorobenzene	ND	2.0	0.15	µg/L	1		EPA 624	9/20/16	9/21/16 20:20	EEH
1,2-Dichloroethane	ND	2.0	0.19	µg/L	1		EPA 624	9/20/16	9/21/16 20:20	EEH
1,1-Dichloroethane	ND	2.0	0.16	µg/L	1		EPA 624	9/20/16	9/21/16 20:20	EEH
1,1-Dichloroethylene	ND	2.0	0.21	µg/L	1		EPA 624	9/20/16	9/21/16 20:20	EEH
trans-1,2-Dichloroethylene	ND	2.0	0.15	µg/L	1		EPA 624	9/20/16	9/21/16 20:20	EEH
1,2-Dichloropropane	ND	2.0	0.13	µg/L	1		EPA 624	9/20/16	9/21/16 20:20	EEH
cis-1,3-Dichloropropene	ND	2.0	0.12	µg/L	1		EPA 624	9/20/16	9/21/16 20:20	EEH
trans-1,3-Dichloropropene	ND	2.0	0.11	µg/L	1		EPA 624	9/20/16	9/21/16 20:20	EEH
Ethylbenzene	ND	2.0	0.13	µg/L	1		EPA 624	9/20/16	9/21/16 20:20	EEH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.090	µg/L	1		EPA 624	9/20/16	9/21/16 20:20	EEH
Methylene Chloride	ND	5.0	3.2	µg/L	1		EPA 624	9/20/16	9/21/16 20:20	EEH
1,1,2,2-Tetrachloroethane	ND	2.0	0.16	µg/L	1		EPA 624	9/20/16	9/21/16 20:20	EEH
Tetrachloroethylene	ND	2.0	0.27	µg/L	1		EPA 624	9/20/16	9/21/16 20:20	EEH
Toluene	ND	1.0	0.17	µg/L	1		EPA 624	9/20/16	9/21/16 20:20	EEH
1,1,1-Trichloroethane	ND	2.0	0.13	µg/L	1		EPA 624	9/20/16	9/21/16 20:20	EEH
1,1,2-Trichloroethane	ND	2.0	0.24	µg/L	1		EPA 624	9/20/16	9/21/16 20:20	EEH
Trichloroethylene	ND	2.0	0.20	µg/L	1		EPA 624	9/20/16	9/21/16 20:20	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		EPA 624	9/20/16	9/21/16 20:20	EEH
Vinyl Chloride	ND	2.0	0.13	µg/L	1		EPA 624	9/20/16	9/21/16 20:20	EEH
m+p Xylene	ND	2.0	0.26	µg/L	1		EPA 624	9/20/16	9/21/16 20:20	EEH
o-Xylene	ND	2.0	0.13	µg/L	1		EPA 624	9/20/16	9/21/16 20:20	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	90.8	70-130		9/21/16 20:20
Toluene-d8	99.4	70-130		9/21/16 20:20
4-Bromofluorobenzene	98.1	70-130		9/21/16 20:20

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Project Location: S. Otselic, NY | Sample Description: | Work Order: 16I0718

Date Received: 9/19/2016

Field Sample #: Trip Blank | Sampled: 9/16/2016 00:00

Sample ID: 16I0718-04

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	0.25	1.0	0.12	µg/L	1	J	EPA 624	9/20/16	9/21/16 19:54	EEH
Bromodichloromethane	ND	2.0	0.30	µg/L	1		EPA 624	9/20/16	9/21/16 19:54	EEH
Bromoform	ND	2.0	0.21	µg/L	1		EPA 624	9/20/16	9/21/16 19:54	EEH
Bromomethane	ND	2.0	0.94	µg/L	1		EPA 624	9/20/16	9/21/16 19:54	EEH
Carbon Tetrachloride	ND	2.0	0.25	µg/L	1		EPA 624	9/20/16	9/21/16 19:54	EEH
Chlorobenzene	ND	2.0	0.16	µg/L	1		EPA 624	9/20/16	9/21/16 19:54	EEH
Chlorodibromomethane	ND	2.0	0.10	µg/L	1		EPA 624	9/20/16	9/21/16 19:54	EEH
Chloroethane	ND	2.0	0.28	µg/L	1		EPA 624	9/20/16	9/21/16 19:54	EEH
2-Chloroethyl Vinyl Ether	ND	10	2.2	µg/L	1		EPA 624	9/20/16	9/21/16 19:54	EEH
Chloroform	ND	2.0	0.22	µg/L	1		EPA 624	9/20/16	9/21/16 19:54	EEH
Chloromethane	ND	2.0	0.55	µg/L	1		EPA 624	9/20/16	9/21/16 19:54	EEH
1,2-Dichlorobenzene	ND	2.0	0.17	µg/L	1		EPA 624	9/20/16	9/21/16 19:54	EEH
1,3-Dichlorobenzene	ND	2.0	0.17	µg/L	1		EPA 624	9/20/16	9/21/16 19:54	EEH
1,4-Dichlorobenzene	ND	2.0	0.15	µg/L	1		EPA 624	9/20/16	9/21/16 19:54	EEH
1,2-Dichloroethane	ND	2.0	0.19	µg/L	1		EPA 624	9/20/16	9/21/16 19:54	EEH
1,1-Dichloroethane	ND	2.0	0.16	µg/L	1		EPA 624	9/20/16	9/21/16 19:54	EEH
1,1-Dichloroethylene	ND	2.0	0.21	µg/L	1		EPA 624	9/20/16	9/21/16 19:54	EEH
trans-1,2-Dichloroethylene	ND	2.0	0.15	µg/L	1		EPA 624	9/20/16	9/21/16 19:54	EEH
1,2-Dichloropropane	ND	2.0	0.13	µg/L	1		EPA 624	9/20/16	9/21/16 19:54	EEH
cis-1,3-Dichloropropene	ND	2.0	0.12	µg/L	1		EPA 624	9/20/16	9/21/16 19:54	EEH
trans-1,3-Dichloropropene	ND	2.0	0.11	µg/L	1		EPA 624	9/20/16	9/21/16 19:54	EEH
Ethylbenzene	ND	2.0	0.13	µg/L	1		EPA 624	9/20/16	9/21/16 19:54	EEH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.090	µg/L	1		EPA 624	9/20/16	9/21/16 19:54	EEH
Methylene Chloride	ND	5.0	3.2	µg/L	1		EPA 624	9/20/16	9/21/16 19:54	EEH
1,1,2,2-Tetrachloroethane	ND	2.0	0.16	µg/L	1		EPA 624	9/20/16	9/21/16 19:54	EEH
Tetrachloroethylene	ND	2.0	0.27	µg/L	1		EPA 624	9/20/16	9/21/16 19:54	EEH
Toluene	0.62	1.0	0.17	µg/L	1	J	EPA 624	9/20/16	9/21/16 19:54	EEH
1,1,1-Trichloroethane	ND	2.0	0.13	µg/L	1		EPA 624	9/20/16	9/21/16 19:54	EEH
1,1,2-Trichloroethane	ND	2.0	0.24	µg/L	1		EPA 624	9/20/16	9/21/16 19:54	EEH
Trichloroethylene	ND	2.0	0.20	µg/L	1		EPA 624	9/20/16	9/21/16 19:54	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		EPA 624	9/20/16	9/21/16 19:54	EEH
Vinyl Chloride	ND	2.0	0.13	µg/L	1		EPA 624	9/20/16	9/21/16 19:54	EEH
m+p Xylene	0.42	2.0	0.26	µg/L	1	J	EPA 624	9/20/16	9/21/16 19:54	EEH
o-Xylene	0.17	2.0	0.13	µg/L	1	J	EPA 624	9/20/16	9/21/16 19:54	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	90.2	70-130		9/21/16 19:54
Toluene-d8	99.2	70-130		9/21/16 19:54
4-Bromofluorobenzene	104	70-130		9/21/16 19:54

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Sample Extraction Data

Prep Method: SW-846 5030B-EPA 624

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
16I0718-01 [RW-1]	B158689	5	5.00	09/20/16
16I0718-02 [RW-2]	B158689	5	5.00	09/20/16
16I0718-03 [EFF 46 HZ]	B158689	5	5.00	09/20/16
16I0718-04 [Trip Blank]	B158689	5	5.00	09/20/16

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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 B158689 - SW-846 5030B										
Blank (B158689-BLK1)				Prepared: 09/20/16 Analyzed: 09/21/16						
Benzene	ND	1.0	µg/L							
Bromodichloromethane	ND	2.0	µg/L							
Bromoform	ND	2.0	µg/L							
Bromomethane	ND	2.0	µg/L							
Carbon Tetrachloride	ND	2.0	µg/L							
Chlorobenzene	ND	2.0	µg/L							
Chlorodibromomethane	ND	2.0	µg/L							
Chloroethane	ND	2.0	µg/L							
2-Chloroethyl Vinyl Ether	ND	10	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
1,2-Dichlorobenzene	ND	2.0	µg/L							
1,3-Dichlorobenzene	ND	2.0	µg/L							
1,4-Dichlorobenzene	ND	2.0	µg/L							
1,2-Dichloroethane	ND	2.0	µg/L							
1,1-Dichloroethane	ND	2.0	µg/L							
1,1-Dichloroethylene	ND	2.0	µg/L							
trans-1,2-Dichloroethylene	ND	2.0	µg/L							
1,2-Dichloropropane	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	2.0	µg/L							
trans-1,3-Dichloropropene	ND	2.0	µg/L							
Ethylbenzene	ND	2.0	µg/L							
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L							
Tetrachloroethylene	ND	2.0	µg/L							
Toluene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	2.0	µg/L							
1,1,2-Trichloroethane	ND	2.0	µg/L							
Trichloroethylene	ND	2.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	2.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	*23.1*		µg/L	25.0		92.2	70-130			
Surrogate: Toluene-d8	*25.0*		µg/L	25.0		100	70-130			
Surrogate: 4-Bromofluorobenzene	*25.4*		µg/L	25.0		102	70-130			
LCS (B158689-BS1)				Prepared: 09/20/16 Analyzed: 09/21/16						
Benzene	10.1	1.0	µg/L	10.0		101	37-151			
Bromodichloromethane	9.85	2.0	µg/L	10.0		98.5	35-155			
Bromoform	9.53	2.0	µg/L	10.0		95.3	45-169			
Bromomethane	12.0	2.0	µg/L	10.0		120	20-242			
Carbon Tetrachloride	9.54	2.0	µg/L	10.0		95.4	70-140			
Chlorobenzene	10.5	2.0	µg/L	10.0		105	37-160			
Chlorodibromomethane	9.21	2.0	µg/L	10.0		92.1	53-149			
Chloroethane	9.37	2.0	µg/L	10.0		93.7	70-130			
2-Chloroethyl Vinyl Ether	90.6	10	µg/L	100		90.6	10-305			
Chloroform	10.0	2.0	µg/L	10.0		100	51-138			
Chloromethane	10.4	2.0	µg/L	10.0		104	20-273			
1,2-Dichlorobenzene	10.0	2.0	µg/L	10.0		100	18-190			
1,3-Dichlorobenzene	10.1	2.0	µg/L	10.0		101	59-156			

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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 B158689 - SW-846 5030B										
LCS (B158689-BS1)				Prepared: 09/20/16 Analyzed: 09/21/16						
1,4-Dichlorobenzene	9.75	2.0	µg/L	10.0		97.5	18-190			
1,2-Dichloroethane	8.91	2.0	µg/L	10.0		89.1	49-155			
1,1-Dichloroethane	10.2	2.0	µg/L	10.0		102	59-155			
1,1-Dichloroethylene	9.54	2.0	µg/L	10.0		95.4	20-234			
trans-1,2-Dichloroethylene	10.2	2.0	µg/L	10.0		102	54-156			
1,2-Dichloropropane	9.95	2.0	µg/L	10.0		99.5	20-210			
cis-1,3-Dichloropropene	9.65	2.0	µg/L	10.0		96.5	20-227			
trans-1,3-Dichloropropene	10.6	2.0	µg/L	10.0		106	17-183			
Ethylbenzene	10.5	2.0	µg/L	10.0		105	37-162			
Methyl tert-Butyl Ether (MTBE)	9.95	2.0	µg/L	10.0		99.5	70-130			
Methylene Chloride	8.92	5.0	µg/L	10.0		89.2	50-221			
1,1,2,2-Tetrachloroethane	10.4	2.0	µg/L	10.0		104	46-157			
Tetrachloroethylene	10.2	2.0	µg/L	10.0		102	64-148			
Toluene	10.2	1.0	µg/L	10.0		102	47-150			
1,1,1-Trichloroethane	9.86	2.0	µg/L	10.0		98.6	52-162			
1,1,2-Trichloroethane	10.1	2.0	µg/L	10.0		101	52-150			
Trichloroethylene	10.5	2.0	µg/L	10.0		105	71-157			
Trichlorofluoromethane (Freon 11)	9.37	2.0	µg/L	10.0		93.7	17-181			
Vinyl Chloride	8.03	2.0	µg/L	10.0		80.3	20-251			
m+p Xylene	20.9	2.0	µg/L	20.0		105	70-130			
o-Xylene	10.5	2.0	µg/L	10.0		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	*23.6*		µg/L	25.0		94.3	70-130			
Surrogate: Toluene-d8	*25.0*		µg/L	25.0		99.8	70-130			
Surrogate: 4-Bromofluorobenzene	*25.0*		µg/L	25.0		99.8	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
DL	Method Detection Limit
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).

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA 624 in Water	
Benzene	CT,MA,NH,NY,RI,NC,ME,VA
Bromodichloromethane	CT,MA,NH,NY,RI,NC,ME,VA
Bromoform	CT,MA,NH,NY,RI,NC,ME,VA
Bromomethane	CT,MA,NH,NY,RI,NC,ME,VA
Carbon Tetrachloride	CT,MA,NH,NY,RI,NC,ME,VA
Chlorobenzene	CT,MA,NH,NY,RI,NC,ME,VA
Chlorodibromomethane	CT,MA,NH,NY,RI,NC,ME,VA
Chloroethane	CT,MA,NH,NY,RI,NC,ME,VA
2-Chloroethyl Vinyl Ether	CT,MA,NH,NY,RI,NC,ME,VA
Chloroform	CT,MA,NH,NY,RI,NC,ME,VA
Chloromethane	CT,MA,NH,NY,RI,NC,ME,VA
1,2-Dichlorobenzene	CT,MA,NH,NY,RI,NC,ME,VA
1,3-Dichlorobenzene	CT,MA,NH,NY,RI,NC,ME,VA
1,4-Dichlorobenzene	CT,MA,NH,NY,RI,NC,ME,VA
1,2-Dichloroethane	CT,MA,NH,NY,RI,NC,ME,VA
1,1-Dichloroethane	CT,MA,NH,NY,RI,NC,ME,VA
1,1-Dichloroethylene	CT,MA,NH,NY,RI,NC,ME,VA
trans-1,2-Dichloroethylene	CT,MA,NH,NY,RI,NC,ME,VA
1,2-Dichloropropane	CT,MA,NH,NY,RI,NC,ME,VA
cis-1,3-Dichloropropene	CT,MA,NH,NY,RI,NC,ME,VA
trans-1,3-Dichloropropene	CT,MA,NH,NY,RI,NC,ME,VA
Ethylbenzene	CT,MA,NH,NY,RI,NC,ME,VA
Methyl tert-Butyl Ether (MTBE)	NY,NC
Methylene Chloride	CT,MA,NH,NY,RI,NC,ME,VA
1,1,2,2-Tetrachloroethane	CT,MA,NH,NY,RI,NC,ME,VA
Tetrachloroethylene	CT,MA,NH,NY,RI,NC,ME,VA
Toluene	CT,MA,NH,NY,RI,NC,ME,VA
1,1,1-Trichloroethane	CT,MA,NH,NY,RI,NC,ME,VA
1,1,2-Trichloroethane	CT,MA,NH,NY,RI,NC,ME,VA
Trichloroethylene	CT,MA,NH,NY,RI,NC,ME,VA
Trichlorofluoromethane (Freon 11)	CT,MA,NH,NY,RI,NC,ME,VA
Vinyl Chloride	CT,MA,NH,NY,RI,NC,ME,VA
m+p Xylene	CT,MA,NH,NY,RI,NC,VA
o-Xylene	CT,MA,NH,NY,RI,NC,VA

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	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2017
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2017
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2017
RI	Rhode Island Department of Health	LAO00112	12/30/2016
NC	North Carolina Div. of Water Quality	652	12/31/2016
NJ	New Jersey DEP	MA007 NELAP	06/30/2017
FL	Florida Department of Health	E871027 NELAP	06/30/2017
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2017
ME	State of Maine	2011028	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2016
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

NEW YORK STATE

39 Spruce Street
East longmeadow, MA 01028

16I0718

Company Name: Arcadis
Address: 855 Route 146, STE 210
Clifton Park NY, 12065
Attention: J. Wyckoff
Project Location: S. Otselic, NY
Sampled By: L. Whalen

Telephone: 518-250-7300
Project # 00266406.0000
Client PO#

DATA DELIVERY (check all that apply)
○ FAX ● EMAIL ○ WEBSITE
Fax #
Email:
Format: PDF ● EXCEL ● GIS ○
○ OTHER
○ "Enhanced Data Package"

○ Project Proposal Provided? (for billing purposes)

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	624									# of Containers
								H									** Preservation
								V									***Container Code
01	RW-1	9/16/16	0800		X	GW	m	X									
02	RW-2	"	0805		X	"	m	X									
03	EFF 46 HZ		0810		X		L	X									
04	Trip Blank		-		X		-	X									

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ Lab to Filter

***Cont. Code:**
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other

****Preservation**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other

***Matrix Code:**
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other

Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:	Relinquished by:	Date/Time:
L. Whalen	9/16/16 1030		
Received by: (signature)	Date/Time:	Received by:	Date/Time:
29.3	9/19/16 8:53		
Relinquished by: (signature)	Date/Time:	Relinquished by:	Date/Time:
Received by: (signature)	Date/Time:	Received by:	Date/Time:

Turnaround †
☐ 5-Day
☐ 7 Day
☑ 10-Day or ___
RUSH †
24 hr ○ 48 hr ○
72 hr ○ 4 day ○
† Require lab approval

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

Deliverables
○ ASP-A ○ Equis (1 file) ○ Other:
● ASP-B ● Equis (4 file)

TURNAROUND TIME (business days) STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED. PLEASE BE CAREFUL TO NOT CONTAMINATE THIS DOCUMENT

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39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.contestlabs.com

con-test® ANALYTICAL LABORATORY

Sample Receipt Checklist

CLIENT NAME: Arcadis **RECEIVED BY:** PB **DATE:** 9.19.16

1) **Was the chain(s) of custody relinquished and signed?** **Yes** ✓ **No** ____ **No COC Incl.**
2) **Does the chain agree with the samples?** **Yes** ✓ **No** ____
If not, explain:
3) **Are all the samples in good condition?** **Yes** ✓ **No** ____
If not, explain:
4) **How were the samples received:**

On Ice ____ Direct from Sampling ____ Ambient ____ In Cooler(s) ✓ *See comments below

Were the samples received in Temperature Compliance of (2-6°C)? **Yes** ____ **No** ✓ **N/A** ____

Temperature °C by Temp blank ____ Temperature °C by Temp gun 29.3

5) **Are there Dissolved samples for the lab to filter?** **Yes** ____ **No** ✓
Who was notified ____ Date ____ Time ____
6) **Are there any RUSH or SHORT HOLDING TIME samples?** **Yes** ____ **No** ✓
Who was notified ____ Date ____ Time ____

7) **Location where samples are stored:** Logm

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: ____

8) **Do all samples have the proper Acid pH:** **Yes** ____ **No** ____ **N/A** ✓
9) **Do all samples have the proper Base pH:** **Yes** ____ **No** ____ **N/A** ✓
10) **Was the PC notified of any discrepancies with the CoC vs the samples:** **Yes** ____ **N/A** ✓

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		16 oz amber	
500 mL Amber		8 oz amber/clear jar	
250 mL Amber (8oz amber)		4 oz amber/clear jar	
1 Liter Plastic		2 oz amber/clear jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		SOC Kit	
40 mL Vial - type listed below	11	Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

Samples were recieved in a cooler with melted Ice, very warm. Looks like we were supposed to recieve these on Saturday 9/17 but did not get delivered until Monday 9.19.16

40 mL vials: # HCl 11 # Methanol ____ **Time and Date Frozen:**
Bisulfate ____ # DI Water ____
Thiosulfate ____ Unpreserved ____

Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)

Any False statement will be brought to the attention of Client

Question	Answer (True/False) T/F/NA	Comment
1) The cooler's custody seal, if present, is intact.	NA	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	*	melted Ice
4) Cooler Temperature is acceptable.	F	29.3
5) Cooler Temperature is recorded.	T	
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) There are no discrepancies between the sample IDs on the container and the COC.	T	
10) Samples are received within Holding Time.	T	
11) Sample containers have legible labels.	T	
12) Containers are not broken or leaking.	T	
13) Air Cassettes are not broken/open.	NA	
14) Sample collection date/times are provided.	T	
15) Appropriate sample containers are used.	T	
16) Proper collection media used.	T	
17) No headspace sample bottles are completely filled.	T	
18) There is sufficient volume for all requsted analyses, including any requested MS/MSDs.	T	
19) Trip blanks provided if applicable.	T	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	T	
21) Samples do not require splitting or compositing.	T	

Who notified of False statements? **Date/Time:**

Doc #277 Rev. 4 August 2013 **Log-In Technician Initials:** PB **Date/Time:** 9.19.16 8:53

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

October 7, 2016

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

Project Location: Gladding Cordage
Client Job Number:
Project Number: 00266406.0000
Laboratory Work Order Number: 16I1373

Enclosed are results of analyses for samples received by the laboratory on October 1, 2016. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Aaron L. Benoit
Project Manager

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Table of Contents (continued)

con-test® ANALYTICAL LABORATORY
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: 10/7/2016

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 00266406.0000

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 16I1373

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

PROJECT LOCATION: Gladding Cordage

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
TW-3S-20160930	16I1373-01	Ground Water		SW-846 8260C	
TW-3I-20160930	16I1373-02	Ground Water		SW-846 8260C	
TW-3D-20160930	16I1373-03	Ground Water		SW-846 8260C	
TW-15-20160930	16I1373-04	Ground Water		SW-846 8260C	
TW-14S-20160930	16I1373-05	Ground Water		SW-846 8260C	
TW-14I-20160930	16I1373-06	Ground Water		SW-846 8260C	
TW-14D-20160930	16I1373-07	Ground Water		SW-846 8260C	
TW-4I-20160930	16I1373-08	Ground Water		SW-846 8260C	
TW-5S-20160930	16I1373-09	Ground Water		SW-846 8260C	
TW-5I-20160930	16I1373-10	Ground Water		SW-846 8260C	
TW-5D-20160930	16I1373-11	Ground Water		SW-846 8260C	
TW-7S-20160930	16I1373-12	Ground Water		SW-846 8260C	
TW-7I-20160930	16I1373-13	Ground Water		SW-846 8260C	
TW-7D-20160930	16I1373-14	Ground Water		SW-846 8260C	
TW-9I-20160930	16I1373-15	Ground Water		SW-846 8260C	
TW-9D-20160930	16I1373-16	Ground Water		SW-846 8260C	
TW-6S-20160930	16I1373-17	Ground Water		SW-846 8260C	
TW-6I-20160930	16I1373-18	Ground Water		SW-846 8260C	
TW-6D-20160930	16I1373-19	Ground Water		SW-846 8260C	
TW-12I-20160930	16I1373-20	Ground Water		SW-846 8260C	
TW-12D-20160930	16I1373-21	Ground Water		SW-846 8260C	
DUP-1-20160930	16I1373-22	Ground Water		SW-846 8260C	
TB-20160930	16I1373-23	Trip Blank Water		SW-846 8260C	

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CASE NARRATIVE SUMMARY

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

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

SW-846 8260C

Qualifications:

L-02

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

Analyte & Samples(s) Qualified:

Isopropylbenzene (Cumene)
B159977-BS1, B159977-BSD1

Methyl Acetate
B159800-BS1, B159800-BSD1, B159977-BS1, B159977-BSD1

L-04

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

Analyte & Samples(s) Qualified:

Dichlorodifluoromethane (Freon 1
16I1373-01[TW-3S-20160930], 16I1373-02[TW-3I-20160930], 16I1373-03[TW-3D-20160930], 16I1373-04[TW-15-20160930], 16I1373-05[TW-14S-20160930], 16I1373-06[TW-14I-20160930], 16I1373-07[TW-14D-20160930], 16I1373-08[TW-4I-20160930], 16I1373-09[TW-5S-20160930], 16I1373-10[TW-5I-20160930], 16I1373-11[TW-5D-20160930], 16I1373-12[TW-7S-20160930], 16I1373-13[TW-7I-20160930], 16I1373-14[TW-7D-20160930], 16I1373-15[TW-9I-20160930], 16I1373-16[TW-9D-20160930], 16I1373-17[TW-6S-20160930], 16I1373-18[TW-6I-20160930], 16I1373-19[TW-6D-20160930], B159800-BLK1, B159800-BS1, B159800-BSD1

MS-09

Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

Analyte & Samples(s) Qualified:

1,4-Dioxane
16I1373-14[TW-7D-20160930], B159800-MS1, B159800-MSD1

Carbon Disulfide
16I1373-14[TW-7D-20160930], B159800-MS1, B159800-MSD1

Chloromethane
16I1373-14[TW-7D-20160930], B159800-MS1, B159800-MSD1

Dichlorodifluoromethane (Freon 1
16I1373-14[TW-7D-20160930], B159800-MS1, B159800-MSD1

Vinyl Chloride
16I1373-14[TW-7D-20160930], B159800-MS1, B159800-MSD1

MS-24

Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.

Analyte & Samples(s) Qualified:

Acetone
B159800-MS1

Bromomethane
B159800-MS1

V-05

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

1,4-Dioxane
16I1373-20[TW-12I-20160930], 16I1373-21[TW-12D-20160930], 16I1373-22[DUP-1-20160930], 16I1373-23[TB-20160930], B159977-BLK1, B159977-BS1, B159977-BSD1, S012246-CCV1

Methyl Acetate
16I1373-20[TW-12I-20160930], 16I1373-21[TW-12D-20160930], 16I1373-22[DUP-1-20160930], 16I1373-23[TB-20160930], B159977-BLK1, B159977-BS1, B159977-BSD1, S012246-CCV1

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

V-20

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

Analyte & Samples(s) Qualified:

Bromomethane
B159800-BS1, B159800-BSD1, S012238-CCV1, S012246-CCV1

Dichlorodifluoromethane (Freon 1
B159800-BS1, B159800-BSD1, S012238-CCV1

Isopropylbenzene (Cumene)
B159800-BS1, B159800-BSD1, S012238-CCV1, S012246-CCV1

Naphthalene
B159800-BS1, B159800-BSD1, S012238-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

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Gladding Cordage | Sample Description: | Work Order: 16I1373

Date Received: 10/1/2016

Field Sample #: TW-3S-20160930 | Sampled: 9/30/2016 07:15

Sample ID: 16I1373-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
Chlorodibromomethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1	L-04	SW-846 8260C	10/4/16	10/4/16 18:29	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Gladding Cordage | Sample Description: | Work Order: 16I1373

Date Received: 10/1/2016

Field Sample #: TW-3S-20160930 | Sampled: 9/30/2016 07:15

Sample ID: 16I1373-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
1,1,1-Trichloroethane	2.1	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:29	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	97.7	70-130		10/4/16 18:29
Toluene-d8	102	70-130		10/4/16 18:29
4-Bromofluorobenzene	101	70-130		10/4/16 18:29

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Gladding Cordage | Sample Description: | Work Order: 16I1373

Date Received: 10/1/2016

Field Sample #: TW-3I-20160930 | Sampled: 9/30/2016 07:20

Sample ID: 16I1373-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
Chlorodibromomethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1	L-04	SW-846 8260C	10/4/16	10/4/16 18:55	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Gladding Cordage | Sample Description: | Work Order: 16I1373

Date Received: 10/1/2016

Field Sample #: TW-3I-20160930 | Sampled: 9/30/2016 07:20

Sample ID: 16I1373-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
1,1,1-Trichloroethane	4.7	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 18:55	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.2	70-130		10/4/16 18:55
Toluene-d8	99.1	70-130		10/4/16 18:55
4-Bromofluorobenzene	98.5	70-130		10/4/16 18:55

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Gladding Cordage | Sample Description: | Work Order: 16I1373

Date Received: 10/1/2016

Field Sample #: TW-3D-20160930 | Sampled: 9/30/2016 07:25

Sample ID: 16I1373-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
Chlorodibromomethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1	L-04	SW-846 8260C	10/4/16	10/4/16 19:22	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Gladding Cordage | Sample Description: | Work Order: 16I1373

Date Received: 10/1/2016

Field Sample #: TW-3D-20160930 | Sampled: 9/30/2016 07:25

Sample ID: 16I1373-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:22	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	100	70-130		10/4/16 19:22
Toluene-d8	100	70-130		10/4/16 19:22
4-Bromofluorobenzene	100	70-130		10/4/16 19:22

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Gladding Cordage | Sample Description: | Work Order: 16I1373

Date Received: 10/1/2016

Field Sample #: TW-15-20160930 | Sampled: 9/30/2016 07:30

Sample ID: 16I1373-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
Benzene	1.3	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
Chlorodibromomethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1	L-04	SW-846 8260C	10/4/16	10/4/16 19:49	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Gladding Cordage | Sample Description: | Work Order: 16I1373

Date Received: 10/1/2016

Field Sample #: TW-15-20160930 | Sampled: 9/30/2016 07:30

Sample ID: 16I1373-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
1,1,1-Trichloroethane	14	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 19:49	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	97.8	70-130		10/4/16 19:49
Toluene-d8	99.2	70-130		10/4/16 19:49
4-Bromofluorobenzene	102	70-130		10/4/16 19:49

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Gladding Cordage | Sample Description: | Work Order: 16I1373

Date Received: 10/1/2016

Field Sample #: TW-14S-20160930 | Sampled: 9/30/2016 07:35

Sample ID: 16I1373-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
Chlorodibromomethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1	L-04	SW-846 8260C	10/4/16	10/4/16 20:15	EEH
1,1-Dichloroethane	5.3	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Gladding Cordage | Sample Description: | Work Order: 16I1373

Date Received: 10/1/2016

Field Sample #: TW-14S-20160930 | Sampled: 9/30/2016 07:35

Sample ID: 16I1373-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
1,1,1-Trichloroethane	50	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:15	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	96.6	70-130		10/4/16 20:15
Toluene-d8	99.6	70-130		10/4/16 20:15
4-Bromofluorobenzene	101	70-130		10/4/16 20:15

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Gladding Cordage | Sample Description: | Work Order: 16I1373

Date Received: 10/1/2016

Field Sample #: TW-14I-20160930 | Sampled: 9/30/2016 07:40

Sample ID: 16I1373-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
Chlorodibromomethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1	L-04	SW-846 8260C	10/4/16	10/4/16 20:42	EEH
1,1-Dichloroethane	2.4	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
1,1-Dichloroethylene	1.3	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Gladding Cordage | Sample Description: | Work Order: 16I1373

Date Received: 10/1/2016

Field Sample #: TW-14I-20160930 | Sampled: 9/30/2016 07:40

Sample ID: 16I1373-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
1,1,1-Trichloroethane	65	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 20:42	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	96.5	70-130		10/4/16 20:42
Toluene-d8	100	70-130		10/4/16 20:42
4-Bromofluorobenzene	98.4	70-130		10/4/16 20:42

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Gladding Cordage | Sample Description: | Work Order: 16I1373

Date Received: 10/1/2016

Field Sample #: TW-14D-20160930 | Sampled: 9/30/2016 07:45

Sample ID: 16I1373-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
Chlorodibromomethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1	L-04	SW-846 8260C	10/4/16	10/4/16 21:09	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Gladding Cordage | Sample Description: | Work Order: 16I1373

Date Received: 10/1/2016

Field Sample #: TW-14D-20160930 | Sampled: 9/30/2016 07:45

Sample ID: 16I1373-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
1,1,1-Trichloroethane	6.5	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:09	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.4	70-130		10/4/16 21:09
Toluene-d8	101	70-130		10/4/16 21:09
4-Bromofluorobenzene	101	70-130		10/4/16 21:09

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Gladding Cordage | Sample Description: | Work Order: 16I1373

Date Received: 10/1/2016

Field Sample #: TW-4I-20160930 | Sampled: 9/30/2016 07:50

Sample ID: 16I1373-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
Chlorodibromomethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1	L-04	SW-846 8260C	10/4/16	10/4/16 21:36	EEH
1,1-Dichloroethane	4.6	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Gladding Cordage | Sample Description: | Work Order: 16I1373

Date Received: 10/1/2016

Field Sample #: TW-4I-20160930 | Sampled: 9/30/2016 07:50

Sample ID: 16I1373-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
1,1,1-Trichloroethane	20	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 21:36	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	97.5	70-130		10/4/16 21:36
Toluene-d8	99.8	70-130		10/4/16 21:36
4-Bromofluorobenzene	101	70-130		10/4/16 21:36

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Gladding Cordage | Sample Description: | Work Order: 16I1373

Date Received: 10/1/2016

Field Sample #: TW-5S-20160930 | Sampled: 9/30/2016 07:55

Sample ID: 16I1373-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
Chlorodibromomethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1	L-04	SW-846 8260C	10/4/16	10/4/16 22:03	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Gladding Cordage | Sample Description: | Work Order: 16I1373

Date Received: 10/1/2016

Field Sample #: TW-5S-20160930 | Sampled: 9/30/2016 07:55

Sample ID: 16I1373-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
1,1,1-Trichloroethane	7.1	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:03	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	97.9	70-130		10/4/16 22:03
Toluene-d8	99.4	70-130		10/4/16 22:03
4-Bromofluorobenzene	99.8	70-130		10/4/16 22:03

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Gladding Cordage | Sample Description: | Work Order: 16I1373

Date Received: 10/1/2016

Field Sample #: TW-5I-20160930 | Sampled: 9/30/2016 08:00

Sample ID: 16I1373-10

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
Benzene	1.2	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
Chlorodibromomethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1	L-04	SW-846 8260C	10/4/16	10/4/16 22:30	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Gladding Cordage | Sample Description: | Work Order: 16I1373

Date Received: 10/1/2016

Field Sample #: TW-5I-20160930 | Sampled: 9/30/2016 08:00

Sample ID: 16I1373-10

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
1,1,1-Trichloroethane	3.2	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:30	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	96.8	70-130		10/4/16 22:30
Toluene-d8	99.1	70-130		10/4/16 22:30
4-Bromofluorobenzene	98.8	70-130		10/4/16 22:30

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Gladding Cordage | Sample Description: | Work Order: 16I1373

Date Received: 10/1/2016

Field Sample #: TW-5D-20160930 | Sampled: 9/30/2016 08:05

Sample ID: 16I1373-11

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
Chlorodibromomethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1	L-04	SW-846 8260C	10/4/16	10/4/16 22:56	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Gladding Cordage | Sample Description: | Work Order: 16I1373

Date Received: 10/1/2016

Field Sample #: TW-5D-20160930 | Sampled: 9/30/2016 08:05

Sample ID: 16I1373-11

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
1,1,1-Trichloroethane	18	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 22:56	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.0	70-130		10/4/16 22:56
Toluene-d8	99.5	70-130		10/4/16 22:56
4-Bromofluorobenzene	98.3	70-130		10/4/16 22:56

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Gladding Cordage | Sample Description: | Work Order: 16I1373

Date Received: 10/1/2016

Field Sample #: TW-7S-20160930 | Sampled: 9/30/2016 08:10

Sample ID: 16I1373-12

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
Chlorodibromomethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1	L-04	SW-846 8260C	10/4/16	10/4/16 23:23	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Gladding Cordage | Sample Description: | Work Order: 16I1373

Date Received: 10/1/2016

Field Sample #: TW-7S-20160930 | Sampled: 9/30/2016 08:10

Sample ID: 16I1373-12

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
1,1,1-Trichloroethane	6.6	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:23	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.5	70-130		10/4/16 23:23
Toluene-d8	101	70-130		10/4/16 23:23
4-Bromofluorobenzene	98.9	70-130		10/4/16 23:23

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Gladding Cordage | Sample Description: | Work Order: 16I1373

Date Received: 10/1/2016

Field Sample #: TW-7I-20160930 | Sampled: 9/30/2016 08:15

Sample ID: 16I1373-13

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
Chlorodibromomethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1	L-04	SW-846 8260C	10/4/16	10/4/16 23:50	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Gladding Cordage | Sample Description: | Work Order: 16I1373

Date Received: 10/1/2016

Field Sample #: TW-7I-20160930 | Sampled: 9/30/2016 08:15

Sample ID: 16I1373-13

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
1,1,1-Trichloroethane	1.1	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/4/16 23:50	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	97.6	70-130		10/4/16 23:50
Toluene-d8	101	70-130		10/4/16 23:50
4-Bromofluorobenzene	99.3	70-130		10/4/16 23:50

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Gladding Cordage | Sample Description: | Work Order: 16I1373

Date Received: 10/1/2016

Field Sample #: TW-7D-20160930 | Sampled: 9/30/2016 08:20

Sample ID: 16I1373-14

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
Carbon Disulfide	ND	4.0	µg/L	1	MS-09	SW-846 8260C	10/4/16	10/5/16 0:17	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
Chlorodibromomethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
Chloromethane	ND	2.0	µg/L	1	MS-09	SW-846 8260C	10/4/16	10/5/16 0:17	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1	L-04, MS-09	SW-846 8260C	10/4/16	10/5/16 0:17	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Gladding Cordage | Sample Description: | Work Order: 16I1373

Date Received: 10/1/2016

Field Sample #: TW-7D-20160930 | Sampled: 9/30/2016 08:20

Sample ID: 16I1373-14

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
1,4-Dioxane	ND	50	µg/L	1	MS-09	SW-846 8260C	10/4/16	10/5/16 0:17	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
1,1,1-Trichloroethane	1.1	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
Vinyl Chloride	ND	2.0	µg/L	1	MS-09	SW-846 8260C	10/4/16	10/5/16 0:17	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:17	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.6	70-130		10/5/16 0:17
Toluene-d8	99.7	70-130		10/5/16 0:17
4-Bromofluorobenzene	101	70-130		10/5/16 0:17

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Gladding Cordage | Sample Description: | Work Order: 16I1373

Date Received: 10/1/2016

Field Sample #: TW-9I-20160930 | Sampled: 9/30/2016 08:25

Sample ID: 16I1373-15

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
Chlorodibromomethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1	L-04	SW-846 8260C	10/4/16	10/5/16 0:44	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Gladding Cordage | Sample Description: | Work Order: 16I1373

Date Received: 10/1/2016

Field Sample #: TW-9I-20160930 | Sampled: 9/30/2016 08:25

Sample ID: 16I1373-15

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 0:44	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.2	70-130		10/5/16 0:44
Toluene-d8	98.8	70-130		10/5/16 0:44
4-Bromofluorobenzene	98.1	70-130		10/5/16 0:44

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Gladding Cordage | Sample Description: | Work Order: 16I1373

Date Received: 10/1/2016

Field Sample #: TW-9D-20160930 | Sampled: 9/30/2016 08:30

Sample ID: 16I1373-16

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
Chlorodibromomethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1	L-04	SW-846 8260C	10/4/16	10/5/16 1:10	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Gladding Cordage | Sample Description: | Work Order: 16I1373

Date Received: 10/1/2016

Field Sample #: TW-9D-20160930 | Sampled: 9/30/2016 08:30

Sample ID: 16I1373-16

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
1,1,1-Trichloroethane	3.3	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:10	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	95.7	70-130		10/5/16	1:10
Toluene-d8	101	70-130		10/5/16	1:10
4-Bromofluorobenzene	98.2	70-130		10/5/16	1:10

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Gladding Cordage | Sample Description: | Work Order: 16I1373

Date Received: 10/1/2016

Field Sample #: TW-6S-20160930 | Sampled: 9/30/2016 08:35

Sample ID: 16I1373-17

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
Chlorodibromomethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
Chloroform	3.0	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1	L-04	SW-846 8260C	10/4/16	10/5/16 1:37	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Gladding Cordage | Sample Description: | Work Order: 16I1373

Date Received: 10/1/2016

Field Sample #: TW-6S-20160930 | Sampled: 9/30/2016 08:35

Sample ID: 16I1373-17

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 1:37	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	97.2	70-130		10/5/16 1:37	
Toluene-d8	98.8	70-130		10/5/16 1:37	
4-Bromofluorobenzene	98.2	70-130		10/5/16 1:37	

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Gladding Cordage | Sample Description: | Work Order: 16I1373

Date Received: 10/1/2016

Field Sample #: TW-6I-20160930 | Sampled: 9/30/2016 08:40

Sample ID: 16I1373-18

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
Benzene	2.5	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
Chlorodibromomethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1	L-04	SW-846 8260C	10/4/16	10/5/16 2:04	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Gladding Cordage | Sample Description: | Work Order: 16I1373

Date Received: 10/1/2016

Field Sample #: TW-6I-20160930 | Sampled: 9/30/2016 08:40

Sample ID: 16I1373-18

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:04	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	97.7	70-130		10/5/16 2:04
Toluene-d8	98.9	70-130		10/5/16 2:04
4-Bromofluorobenzene	100	70-130		10/5/16 2:04

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Gladding Cordage | Sample Description: | Work Order: 16I1373

Date Received: 10/1/2016

Field Sample #: TW-6D-20160930 | Sampled: 9/30/2016 08:45

Sample ID: 16I1373-19

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
Chlorodibromomethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1	L-04	SW-846 8260C	10/4/16	10/5/16 2:31	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Gladding Cordage | Sample Description: | Work Order: 16I1373

Date Received: 10/1/2016

Field Sample #: TW-6D-20160930 | Sampled: 9/30/2016 08:45

Sample ID: 16I1373-19

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
1,4-Dioxane	ND	50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
Methyl Acetate	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	10/4/16	10/5/16 2:31	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	98.2	70-130		10/5/16 2:31
Toluene-d8	99.7	70-130		10/5/16 2:31
4-Bromofluorobenzene	97.8	70-130		10/5/16 2:31

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Gladding Cordage | Sample Description: | Work Order: 16I1373

Date Received: 10/1/2016

Field Sample #: TW-12I-20160930 | Sampled: 9/30/2016 08:50

Sample ID: 16I1373-20

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
Chlorodibromomethane	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Gladding Cordage | Sample Description: | Work Order: 16I1373

Date Received: 10/1/2016

Field Sample #: TW-12I-20160930 | Sampled: 9/30/2016 08:50

Sample ID: 16I1373-20

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
1,4-Dioxane	ND	50	µg/L	1	V-05	SW-846 8260C	10/6/16	10/6/16 12:49	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
Methyl Acetate	ND	1.0	µg/L	1	V-05	SW-846 8260C	10/6/16	10/6/16 12:49	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 12:49	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.4	70-130		10/6/16 12:49
Toluene-d8	100	70-130		10/6/16 12:49
4-Bromofluorobenzene	100	70-130		10/6/16 12:49

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Gladding Cordage | Sample Description: | Work Order: 16I1373

Date Received: 10/1/2016

Field Sample #: TW-12D-20160930 | Sampled: 9/30/2016 08:55

Sample ID: 16I1373-21

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
Chlorodibromomethane	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Gladding Cordage | Sample Description: | Work Order: 16I1373

Date Received: 10/1/2016

Field Sample #: TW-12D-20160930 | Sampled: 9/30/2016 08:55

Sample ID: 16I1373-21

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
1,4-Dioxane	ND	50	µg/L	1	V-05	SW-846 8260C	10/6/16	10/6/16 13:16	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
Methyl Acetate	ND	1.0	µg/L	1	V-05	SW-846 8260C	10/6/16	10/6/16 13:16	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:16	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	97.2	70-130		10/6/16 13:16
Toluene-d8	101	70-130		10/6/16 13:16
4-Bromofluorobenzene	100	70-130		10/6/16 13:16

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Gladding Cordage | Sample Description: | Work Order: 16I1373

Date Received: 10/1/2016

Field Sample #: DUP-1-20160930 | Sampled: 9/30/2016 00:00

Sample ID: 16I1373-22

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
Benzene	1.3	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
Chlorodibromomethane	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Gladding Cordage | Sample Description: | Work Order: 16I1373

Date Received: 10/1/2016

Field Sample #: DUP-1-20160930 | Sampled: 9/30/2016 00:00

Sample ID: 16I1373-22

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
1,4-Dioxane	ND	50	µg/L	1	V-05	SW-846 8260C	10/6/16	10/6/16 13:42	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
Methyl Acetate	ND	1.0	µg/L	1	V-05	SW-846 8260C	10/6/16	10/6/16 13:42	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
1,1,1-Trichloroethane	14	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 13:42	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	97.9	70-130		10/6/16 13:42
Toluene-d8	99.4	70-130		10/6/16 13:42
4-Bromofluorobenzene	98.7	70-130		10/6/16 13:42

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Gladding Cordage | Sample Description: | Work Order: 16I1373

Date Received: 10/1/2016

Field Sample #: TB-20160930 | Sampled: 9/30/2016 00:00

Sample ID: 16I1373-23

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	50	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
Acrylonitrile	ND	5.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
Benzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
Bromobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
Bromochloromethane	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
Bromodichloromethane	ND	0.50	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
Bromoform	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
Bromomethane	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
2-Butanone (MEK)	ND	20	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
tert-Butyl Alcohol (TBA)	ND	20	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
n-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
sec-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
tert-Butylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
Carbon Disulfide	ND	4.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
Carbon Tetrachloride	ND	5.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
Chlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
Chlorodibromomethane	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
Chloroethane	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
Chloroform	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
Chloromethane	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
2-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
4-Chlorotoluene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
1,2-Dibromoethane (EDB)	ND	0.50	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
Dibromomethane	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
1,2-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
1,3-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
1,4-Dichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
1,1-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
1,2-Dichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
1,1-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
cis-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
trans-1,2-Dichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
1,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
1,3-Dichloropropane	ND	0.50	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
2,2-Dichloropropane	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
1,1-Dichloropropene	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
cis-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
trans-1,3-Dichloropropene	ND	0.50	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
Diethyl Ether	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Gladding Cordage | Sample Description: | Work Order: 16I1373

Date Received: 10/1/2016

Field Sample #: TB-20160930 | Sampled: 9/30/2016 00:00

Sample ID: 16I1373-23

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.50	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
1,4-Dioxane	ND	50	µg/L	1	V-05	SW-846 8260C	10/6/16	10/6/16 9:41	EEH
Ethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
Hexachlorobutadiene	ND	0.60	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
2-Hexanone (MBK)	ND	10	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
Isopropylbenzene (Cumene)	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
Methyl Acetate	ND	1.0	µg/L	1	V-05	SW-846 8260C	10/6/16	10/6/16 9:41	EEH
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
Methyl Cyclohexane	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
Methylene Chloride	ND	5.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
Naphthalene	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
n-Propylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
Styrene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
Tetrachloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
Tetrahydrofuran	ND	10	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
Toluene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
1,2,3-Trichlorobenzene	ND	5.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
1,2,4-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
1,3,5-Trichlorobenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
1,1,1-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
1,1,2-Trichloroethane	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
Trichloroethylene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
1,2,3-Trichloropropane	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
1,2,4-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
1,3,5-Trimethylbenzene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
Vinyl Chloride	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
m+p Xylene	ND	2.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH
o-Xylene	ND	1.0	µg/L	1		SW-846 8260C	10/6/16	10/6/16 9:41	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	99.3	70-130		10/6/16 9:41
Toluene-d8	99.7	70-130		10/6/16 9:41
4-Bromofluorobenzene	98.3	70-130		10/6/16 9:41

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
16I1373-01 [TW-3S-20160930]	B159800	5	5.00	10/04/16
16I1373-02 [TW-3I-20160930]	B159800	5	5.00	10/04/16
16I1373-03 [TW-3D-20160930]	B159800	5	5.00	10/04/16
16I1373-04 [TW-15-20160930]	B159800	5	5.00	10/04/16
16I1373-05 [TW-14S-20160930]	B159800	5	5.00	10/04/16
16I1373-06 [TW-14I-20160930]	B159800	5	5.00	10/04/16
16I1373-07 [TW-14D-20160930]	B159800	5	5.00	10/04/16
16I1373-08 [TW-4I-20160930]	B159800	5	5.00	10/04/16
16I1373-09 [TW-5S-20160930]	B159800	5	5.00	10/04/16
16I1373-10 [TW-5I-20160930]	B159800	5	5.00	10/04/16
16I1373-11 [TW-5D-20160930]	B159800	5	5.00	10/04/16
16I1373-12 [TW-7S-20160930]	B159800	5	5.00	10/04/16
16I1373-13 [TW-7I-20160930]	B159800	5	5.00	10/04/16
16I1373-14 [TW-7D-20160930]	B159800	5	5.00	10/04/16
16I1373-15 [TW-9I-20160930]	B159800	5	5.00	10/04/16
16I1373-16 [TW-9D-20160930]	B159800	5	5.00	10/04/16
16I1373-17 [TW-6S-20160930]	B159800	5	5.00	10/04/16
16I1373-18 [TW-6I-20160930]	B159800	5	5.00	10/04/16
16I1373-19 [TW-6D-20160930]	B159800	5	5.00	10/04/16

Prep Method: SW-846 5030B-SW-846 8260C

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
16I1373-20 [TW-12I-20160930]	B159977	5	5.00	10/06/16
16I1373-21 [TW-12D-20160930]	B159977	5	5.00	10/06/16
16I1373-22 [DUP-1-20160930]	B159977	5	5.00	10/06/16
16I1373-23 [TB-20160930]	B159977	5	5.00	10/06/16

con-test® ANALYTICAL LABORATORY
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 B159800 - SW-846 5030B										
Blank (B159800-BLK1)				Prepared & Analyzed: 10/04/16						
Acetone	ND	50	µg/L							
Acrylonitrile	ND	5.0	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L							
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	4.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	2.0	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							L-04
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							
1,1-Dichloropropene	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							

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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 B159800 - SW-846 5030B											
Blank (B159800-BLK1)				Prepared & Analyzed: 10/04/16							
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L								
Methyl Cyclohexane	ND	1.0	µg/L								
Methylene Chloride	ND	5.0	µg/L								
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L								
Naphthalene	ND	2.0	µg/L								
n-Propylbenzene	ND	1.0	µg/L								
Styrene	ND	1.0	µg/L								
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L								
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L								
Tetrachloroethylene	ND	1.0	µg/L								
Tetrahydrofuran	ND	10	µg/L								
Toluene	ND	1.0	µg/L								
1,2,3-Trichlorobenzene	ND	5.0	µg/L								
1,2,4-Trichlorobenzene	ND	1.0	µg/L								
1,3,5-Trichlorobenzene	ND	1.0	µg/L								
1,1,1-Trichloroethane	ND	1.0	µg/L								
1,1,2-Trichloroethane	ND	1.0	µg/L								
Trichloroethylene	ND	1.0	µg/L								
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L								
1,2,3-Trichloropropane	ND	2.0	µg/L								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L								
1,2,4-Trimethylbenzene	ND	1.0	µg/L								
1,3,5-Trimethylbenzene	ND	1.0	µg/L								
Vinyl Chloride	ND	2.0	µg/L								
m+p Xylene	ND	2.0	µg/L								
o-Xylene	ND	1.0	µg/L								
Surrogate: 1,2-Dichloroethane-d4	*24.5*		µg/L	25.0		98.0	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				
LCS (B159800-BS1)				Prepared & Analyzed: 10/04/16							
Acetone	75.2	50	µg/L	100		75.2	70-160				†
Acrylonitrile	8.06	5.0	µg/L	10.0		80.6	70-130				
tert-Amyl Methyl Ether (TAME)	8.50	0.50	µg/L	10.0		85.0	70-130				
Benzene	9.72	1.0	µg/L	10.0		97.2	70-130				
Bromobenzene	10.2	1.0	µg/L	10.0		102	70-130				
Bromochloromethane	10.7	1.0	µg/L	10.0		107	70-130				
Bromodichloromethane	9.83	0.50	µg/L	10.0		98.3	70-130				
Bromoform	9.29	1.0	µg/L	10.0		92.9	70-130				
Bromomethane	6.04	2.0	µg/L	10.0		60.4	40-160			V-20	†
2-Butanone (MEK)	88.5	20	µg/L	100		88.5	40-160				†
tert-Butyl Alcohol (TBA)	75.4	20	µg/L	100		75.4	40-160				†
n-Butylbenzene	11.0	1.0	µg/L	10.0		110	70-130				
sec-Butylbenzene	10.6	1.0	µg/L	10.0		106	70-130				
tert-Butylbenzene	10.3	1.0	µg/L	10.0		103	70-130				
tert-Butyl Ethyl Ether (TBEE)	9.11	0.50	µg/L	10.0		91.1	70-130				
Carbon Disulfide	8.09	4.0	µg/L	10.0		80.9	70-130				
Carbon Tetrachloride	9.60	5.0	µg/L	10.0		96.0	70-130				
Chlorobenzene	10.4	1.0	µg/L	10.0		104	70-130				
Chlorodibromomethane	8.91	2.0	µg/L	10.0		89.1	70-130				
Chloroethane	8.09	2.0	µg/L	10.0		80.9	70-130				
Chloroform	10.0	2.0	µg/L	10.0		100	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 B159800 - SW-846 5030B												
LCS (B159800-BS1)				Prepared & Analyzed: 10/04/16								
Chloromethane	4.07	2.0	µg/L	10.0		40.7		40-160				†
2-Chlorotoluene	10.0	1.0	µg/L	10.0		100		70-130				
4-Chlorotoluene	10.4	1.0	µg/L	10.0		104		70-130				
1,2-Dibromo-3-chloropropane (DBCP)	10.2	5.0	µg/L	10.0		102		70-130				
1,2-Dibromoethane (EDB)	9.89	0.50	µg/L	10.0		98.9		70-130				
Dibromomethane	9.68	1.0	µg/L	10.0		96.8		70-130				
1,2-Dichlorobenzene	10.2	1.0	µg/L	10.0		102		70-130				
1,3-Dichlorobenzene	10.4	1.0	µg/L	10.0		104		70-130				
1,4-Dichlorobenzene	9.92	1.0	µg/L	10.0		99.2		70-130				
trans-1,4-Dichloro-2-butene	8.40	2.0	µg/L	10.0		84.0		70-130				
Dichlorodifluoromethane (Freon 12)	3.23	2.0	µg/L	10.0		**32.3**	*	40-160			L-04, V-20	†
1,1-Dichloroethane	10.1	1.0	µg/L	10.0		101		70-130				
1,2-Dichloroethane	9.39	1.0	µg/L	10.0		93.9		70-130				
1,1-Dichloroethylene	8.86	1.0	µg/L	10.0		88.6		70-130				
cis-1,2-Dichloroethylene	9.92	1.0	µg/L	10.0		99.2		70-130				
trans-1,2-Dichloroethylene	9.69	1.0	µg/L	10.0		96.9		70-130				
1,2-Dichloropropane	9.65	1.0	µg/L	10.0		96.5		70-130				
1,3-Dichloropropane	9.51	0.50	µg/L	10.0		95.1		70-130				
2,2-Dichloropropane	9.40	1.0	µg/L	10.0		94.0		40-130				†
1,1-Dichloropropene	9.98	2.0	µg/L	10.0		99.8		70-130				
cis-1,3-Dichloropropene	8.76	0.50	µg/L	10.0		87.6		70-130				
trans-1,3-Dichloropropene	10.3	0.50	µg/L	10.0		103		70-130				
Diethyl Ether	8.14	2.0	µg/L	10.0		81.4		70-130				
Diisopropyl Ether (DIPE)	8.79	0.50	µg/L	10.0		87.9		70-130				
1,4-Dioxane	60.4	50	µg/L	100		60.4		40-130				†
Ethylbenzene	10.1	1.0	µg/L	10.0		101		70-130				
Hexachlorobutadiene	11.1	0.60	µg/L	10.0		111		70-130				
2-Hexanone (MBK)	84.0	10	µg/L	100		84.0		70-160				†
Isopropylbenzene (Cumene)	12.3	1.0	µg/L	10.0		123		70-130			V-20	
p-Isopropyltoluene (p-Cymene)	10.2	1.0	µg/L	10.0		102		70-130				
Methyl Acetate	13.6	1.0	µg/L	10.0		**136**	*	70-130			L-02	
Methyl tert-Butyl Ether (MTBE)	8.46	1.0	µg/L	10.0		84.6		70-130				
Methyl Cyclohexane	9.52	1.0	µg/L	10.0		95.2		70-130				
Methylene Chloride	9.14	5.0	µg/L	10.0		91.4		70-130				
4-Methyl-2-pentanone (MIBK)	89.8	10	µg/L	100		89.8		70-160				†
Naphthalene	10.7	2.0	µg/L	10.0		107		40-130			V-20	†
n-Propylbenzene	10.6	1.0	µg/L	10.0		106		70-130				
Styrene	10.4	1.0	µg/L	10.0		104		70-130				
1,1,1,2-Tetrachloroethane	9.77	1.0	µg/L	10.0		97.7		70-130				
1,1,2,2-Tetrachloroethane	10.2	0.50	µg/L	10.0		102		70-130				
Tetrachloroethylene	10.4	1.0	µg/L	10.0		104		70-130				
Tetrahydrofuran	10.8	10	µg/L	10.0		108		70-130				
Toluene	10.0	1.0	µg/L	10.0		100		70-130				
1,2,3-Trichlorobenzene	10.3	5.0	µg/L	10.0		103		70-130				
1,2,4-Trichlorobenzene	10.0	1.0	µg/L	10.0		100		70-130				
1,3,5-Trichlorobenzene	9.51	1.0	µg/L	10.0		95.1		70-130				
1,1,1-Trichloroethane	9.46	1.0	µg/L	10.0		94.6		70-130				
1,1,2-Trichloroethane	10.1	1.0	µg/L	10.0		101		70-130				
Trichloroethylene	10.2	1.0	µg/L	10.0		102		70-130				
Trichlorofluoromethane (Freon 11)	8.74	2.0	µg/L	10.0		87.4		70-130				
1,2,3-Trichloropropane	9.85	2.0	µg/L	10.0		98.5		70-130				

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QUALITY CONTROL

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B159800 - SW-846 5030B												
LCS (B159800-BS1)				Prepared & Analyzed: 10/04/16								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.49	1.0	µg/L	10.0		84.9		70-130				
1,2,4-Trimethylbenzene	10.2	1.0	µg/L	10.0		102		70-130				
1,3,5-Trimethylbenzene	10.5	1.0	µg/L	10.0		105		70-130				
Vinyl Chloride	6.36	2.0	µg/L	10.0		63.6		40-160				†
m+p Xylene	20.4	2.0	µg/L	20.0		102		70-130				
o-Xylene	10.1	1.0	µg/L	10.0		101		70-130				
Surrogate: 1,2-Dichloroethane-d4	*24.9*		µg/L	25.0		99.4		70-130				
Surrogate: Toluene-d8	*24.9*		µg/L	25.0		99.5		70-130				
Surrogate: 4-Bromofluorobenzene	*25.2*		µg/L	25.0		101		70-130				
LCS Dup (B159800-BSD1)				Prepared & Analyzed: 10/04/16								
Acetone	75.0	50	µg/L	100		75.0		70-160	0.253	25		†
Acrylonitrile	8.18	5.0	µg/L	10.0		81.8		70-130	1.48	25		
tert-Amyl Methyl Ether (TAME)	8.42	0.50	µg/L	10.0		84.2		70-130	0.946	25		
Benzene	9.82	1.0	µg/L	10.0		98.2		70-130	1.02	25		
Bromobenzene	10.2	1.0	µg/L	10.0		102		70-130	0.0980	25		
Bromochloromethane	10.8	1.0	µg/L	10.0		108		70-130	1.03	25		
Bromodichloromethane	9.81	0.50	µg/L	10.0		98.1		70-130	0.204	25		
Bromoform	9.60	1.0	µg/L	10.0		96.0		70-130	3.28	25		
Bromomethane	6.52	2.0	µg/L	10.0		65.2		40-160	7.64	25	V-20	†
2-Butanone (MEK)	88.9	20	µg/L	100		88.9		40-160	0.406	25		†
tert-Butyl Alcohol (TBA)	77.2	20	µg/L	100		77.2		40-160	2.28	25		†
n-Butylbenzene	10.9	1.0	µg/L	10.0		109		70-130	0.547	25		
sec-Butylbenzene	10.6	1.0	µg/L	10.0		106		70-130	0.284	25		
tert-Butylbenzene	10.4	1.0	µg/L	10.0		104		70-130	0.290	25		
tert-Butyl Ethyl Ether (TBEE)	8.96	0.50	µg/L	10.0		89.6		70-130	1.66	25		
Carbon Disulfide	8.19	4.0	µg/L	10.0		81.9		70-130	1.23	25		
Carbon Tetrachloride	9.41	5.0	µg/L	10.0		94.1		70-130	2.00	25		
Chlorobenzene	10.2	1.0	µg/L	10.0		102		70-130	1.26	25		
Chlorodibromomethane	8.97	2.0	µg/L	10.0		89.7		70-130	0.671	25		
Chloroethane	7.64	2.0	µg/L	10.0		76.4		70-130	5.72	25		
Chloroform	9.75	2.0	µg/L	10.0		97.5		70-130	2.93	25		
Chloromethane	4.24	2.0	µg/L	10.0		42.4		40-160	4.09	25		†
2-Chlorotoluene	10.4	1.0	µg/L	10.0		104		70-130	3.62	25		
4-Chlorotoluene	10.4	1.0	µg/L	10.0		104		70-130	0.0959	25		
1,2-Dibromo-3-chloropropane (DBCP)	10.1	5.0	µg/L	10.0		101		70-130	0.890	25		
1,2-Dibromoethane (EDB)	10.2	0.50	µg/L	10.0		102		70-130	3.38	25		
Dibromomethane	10.2	1.0	µg/L	10.0		102		70-130	4.94	25		
1,2-Dichlorobenzene	10.4	1.0	µg/L	10.0		104		70-130	2.24	25		
1,3-Dichlorobenzene	10.6	1.0	µg/L	10.0		106		70-130	2.00	25		
1,4-Dichlorobenzene	10.1	1.0	µg/L	10.0		101		70-130	2.00	25		
trans-1,4-Dichloro-2-butene	8.44	2.0	µg/L	10.0		84.4		70-130	0.475	25		
Dichlorodifluoromethane (Freon 12)	3.20	2.0	µg/L	10.0		**32.0**	*	40-160	0.933	25	L-04, V-20	†
1,1-Dichloroethane	10.0	1.0	µg/L	10.0		100		70-130	0.398	25		
1,2-Dichloroethane	9.41	1.0	µg/L	10.0		94.1		70-130	0.213	25		
1,1-Dichloroethylene	9.00	1.0	µg/L	10.0		90.0		70-130	1.57	25		
cis-1,2-Dichloroethylene	9.78	1.0	µg/L	10.0		97.8		70-130	1.42	25		
trans-1,2-Dichloroethylene	9.70	1.0	µg/L	10.0		97.0		70-130	0.103	25		
1,2-Dichloropropane	9.66	1.0	µg/L	10.0		96.6		70-130	0.104	25		
1,3-Dichloropropane	9.85	0.50	µg/L	10.0		98.5		70-130	3.51	25		
2,2-Dichloropropane	9.26	1.0	µg/L	10.0		92.6		40-130	1.50	25		†
1,1-Dichloropropene	9.84	2.0	µg/L	10.0		98.4		70-130	1.41	25		

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B159800 - SW-846 5030B												
LCS Dup (B159800-BSD1)				Prepared & Analyzed: 10/04/16								
cis-1,3-Dichloropropene	8.65	0.50	µg/L	10.0		86.5		70-130	1.26	25		
trans-1,3-Dichloropropene	10.4	0.50	µg/L	10.0		104		70-130	0.676	25		
Diethyl Ether	8.22	2.0	µg/L	10.0		82.2		70-130	0.978	25		
Diisopropyl Ether (DIPE)	8.85	0.50	µg/L	10.0		88.5		70-130	0.680	25		
1,4-Dioxane	67.2	50	µg/L	100		67.2		40-130	10.8	50		† ‡
Ethylbenzene	9.93	1.0	µg/L	10.0		99.3		70-130	1.30	25		
Hexachlorobutadiene	11.3	0.60	µg/L	10.0		113		70-130	1.78	25		
2-Hexanone (MBK)	84.2	10	µg/L	100		84.2		70-160	0.333	25		†
Isopropylbenzene (Cumene)	12.3	1.0	µg/L	10.0		123		70-130	0.244	25	V-20	
p-Isopropyltoluene (p-Cymene)	10.4	1.0	µg/L	10.0		104		70-130	1.26	25		
Methyl Acetate	13.7	1.0	µg/L	10.0		**137**	*	70-130	0.660	25	L-02	
Methyl tert-Butyl Ether (MTBE)	8.48	1.0	µg/L	10.0		84.8		70-130	0.236	25		
Methyl Cyclohexane	9.34	1.0	µg/L	10.0		93.4		70-130	1.91	25		
Methylene Chloride	9.13	5.0	µg/L	10.0		91.3		70-130	0.109	25		
4-Methyl-2-pentanone (MIBK)	90.6	10	µg/L	100		90.6		70-160	0.909	25		†
Naphthalene	11.0	2.0	µg/L	10.0		110		40-130	2.31	25	V-20	†
n-Propylbenzene	10.2	1.0	µg/L	10.0		102		70-130	2.98	25		
Styrene	10.3	1.0	µg/L	10.0		103		70-130	1.45	25		
1,1,1,2-Tetrachloroethane	9.99	1.0	µg/L	10.0		99.9		70-130	2.23	25		
1,1,2,2-Tetrachloroethane	10.4	0.50	µg/L	10.0		104		70-130	1.07	25		
Tetrachloroethylene	10.2	1.0	µg/L	10.0		102		70-130	1.36	25		
Tetrahydrofuran	10.0	10	µg/L	10.0		100		70-130	7.48	25		
Toluene	9.87	1.0	µg/L	10.0		98.7		70-130	1.71	25		
1,2,3-Trichlorobenzene	10.2	5.0	µg/L	10.0		102		70-130	0.978	25		
1,2,4-Trichlorobenzene	10.3	1.0	µg/L	10.0		103		70-130	2.76	25		
1,3,5-Trichlorobenzene	9.28	1.0	µg/L	10.0		92.8		70-130	2.45	25		
1,1,1-Trichloroethane	9.56	1.0	µg/L	10.0		95.6		70-130	1.05	25		
1,1,2-Trichloroethane	10.2	1.0	µg/L	10.0		102		70-130	0.887	25		
Trichloroethylene	9.92	1.0	µg/L	10.0		99.2		70-130	2.59	25		
Trichlorofluoromethane (Freon 11)	8.69	2.0	µg/L	10.0		86.9		70-130	0.574	25		
1,2,3-Trichloropropane	9.92	2.0	µg/L	10.0		99.2		70-130	0.708	25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.55	1.0	µg/L	10.0		85.5		70-130	0.704	25		
1,2,4-Trimethylbenzene	10.3	1.0	µg/L	10.0		103		70-130	1.17	25		
1,3,5-Trimethylbenzene	10.4	1.0	µg/L	10.0		104		70-130	0.765	25		
Vinyl Chloride	6.20	2.0	µg/L	10.0		62.0		40-160	2.55	25		†
m+p Xylene	20.0	2.0	µg/L	20.0		100		70-130	2.08	25		
o-Xylene	10.1	1.0	µg/L	10.0		101		70-130	0.298	25		
Surrogate: 1,2-Dichloroethane-d4	*24.9*		µg/L	25.0		99.5		70-130				
Surrogate: Toluene-d8	*25.1*		µg/L	25.0		100		70-130				
Surrogate: 4-Bromofluorobenzene	*24.9*		µg/L	25.0		99.6		70-130				
Matrix Spike (B159800-MS1)	**Source: 16I1373-14**			Prepared: 10/04/16 Analyzed: 10/05/16								
Acetone	75.1	50	µg/L	100	8.66	**66.4**	*	70-130			MS-24	
Acrylonitrile	7.28	5.0	µg/L	10.0	ND	72.8		70-130				
tert-Amyl Methyl Ether (TAME)	7.72	0.50	µg/L	10.0	ND	77.2		70-130				
Benzene	9.94	1.0	µg/L	10.0	0.930	90.1		70-130				
Bromobenzene	9.29	1.0	µg/L	10.0	ND	92.9		70-130				
Bromochloromethane	10.2	1.0	µg/L	10.0	ND	102		70-130				
Bromodichloromethane	8.55	0.50	µg/L	10.0	ND	85.5		70-130				
Bromoform	8.54	1.0	µg/L	10.0	ND	85.4		70-130				
Bromomethane	6.13	2.0	µg/L	10.0	ND	**61.3**	*	70-130			MS-24	
2-Butanone (MEK)	79.0	20	µg/L	100	ND	79.0		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 B159800 - SW-846 5030B											
Matrix Spike (B159800-MS1)	**Source: 16I1373-14**			Prepared: 10/04/16 Analyzed: 10/05/16							
tert-Butyl Alcohol (TBA)	70.6	20	µg/L	100	ND	70.6		70-130			
n-Butylbenzene	9.86	1.0	µg/L	10.0	ND	98.6		70-130			
sec-Butylbenzene	9.80	1.0	µg/L	10.0	ND	98.0		70-130			
tert-Butylbenzene	9.44	1.0	µg/L	10.0	ND	94.4		70-130			
tert-Butyl Ethyl Ether (TBEE)	8.03	0.50	µg/L	10.0	ND	80.3		70-130			
Carbon Disulfide	5.47	4.0	µg/L	10.0	ND	**54.7**	*	70-130			MS-09
Carbon Tetrachloride	8.50	5.0	µg/L	10.0	ND	85.0		70-130			
Chlorobenzene	9.17	1.0	µg/L	10.0	ND	91.7		70-130			
Chlorodibromomethane	7.89	2.0	µg/L	10.0	ND	78.9		70-130			
Chloroethane	7.00	2.0	µg/L	10.0	ND	70.0		70-130			
Chloroform	8.95	2.0	µg/L	10.0	ND	89.5		70-130			
Chloromethane	3.88	2.0	µg/L	10.0	ND	**38.8**	*	70-130			MS-09
2-Chlorotoluene	9.60	1.0	µg/L	10.0	ND	96.0		70-130			
4-Chlorotoluene	9.40	1.0	µg/L	10.0	ND	94.0		70-130			
1,2-Dibromo-3-chloropropane (DBCP)	8.46	5.0	µg/L	10.0	ND	84.6		70-130			
1,2-Dibromoethane (EDB)	9.21	0.50	µg/L	10.0	ND	92.1		70-130			
Dibromomethane	9.12	1.0	µg/L	10.0	ND	91.2		70-130			
1,2-Dichlorobenzene	9.10	1.0	µg/L	10.0	ND	91.0		70-130			
1,3-Dichlorobenzene	9.18	1.0	µg/L	10.0	ND	91.8		70-130			
1,4-Dichlorobenzene	8.99	1.0	µg/L	10.0	ND	89.9		70-130			
trans-1,4-Dichloro-2-butene	7.96	2.0	µg/L	10.0	ND	79.6		70-130			
Dichlorodifluoromethane (Freon 12)	2.95	2.0	µg/L	10.0	ND	**29.5**	*	70-130			MS-09
1,1-Dichloroethane	9.02	1.0	µg/L	10.0	ND	90.2		70-130			
1,2-Dichloroethane	8.68	1.0	µg/L	10.0	ND	86.8		70-130			
1,1-Dichloroethylene	8.38	1.0	µg/L	10.0	ND	83.8		70-130			
cis-1,2-Dichloroethylene	8.86	1.0	µg/L	10.0	ND	88.6		70-130			
trans-1,2-Dichloroethylene	9.00	1.0	µg/L	10.0	ND	90.0		70-130			
1,2-Dichloropropane	8.67	1.0	µg/L	10.0	ND	86.7		70-130			
1,3-Dichloropropane	8.82	0.50	µg/L	10.0	ND	88.2		70-130			
2,2-Dichloropropane	7.48	1.0	µg/L	10.0	ND	74.8		70-130			
1,1-Dichloropropene	9.16	2.0	µg/L	10.0	ND	91.6		70-130			
cis-1,3-Dichloropropene	7.43	0.50	µg/L	10.0	ND	74.3		70-130			
trans-1,3-Dichloropropene	8.71	0.50	µg/L	10.0	ND	87.1		70-130			
Diethyl Ether	7.52	2.0	µg/L	10.0	ND	75.2		70-130			
Diisopropyl Ether (DIPE)	7.97	0.50	µg/L	10.0	ND	79.7		70-130			
1,4-Dioxane	56.8	50	µg/L	100	ND	**56.8**	*	70-130			MS-09
Ethylbenzene	9.33	1.0	µg/L	10.0	ND	93.3		70-130			
Hexachlorobutadiene	9.48	0.60	µg/L	10.0	ND	94.8		70-130			
2-Hexanone (MBK)	76.6	10	µg/L	100	ND	76.6		70-130			
Isopropylbenzene (Cumene)	11.4	1.0	µg/L	10.0	ND	114		70-130			
p-Isopropyltoluene (p-Cymene)	9.44	1.0	µg/L	10.0	ND	94.4		70-130			
Methyl Acetate	10.5	1.0	µg/L	10.0	ND	105		70-130			
Methyl tert-Butyl Ether (MTBE)	7.69	1.0	µg/L	10.0	ND	76.9		70-130			
Methyl Cyclohexane	8.65	1.0	µg/L	10.0	ND	86.5		70-130			
Methylene Chloride	8.05	5.0	µg/L	10.0	ND	80.5		70-130			
4-Methyl-2-pentanone (MIBK)	81.9	10	µg/L	100	ND	81.9		70-130			
Naphthalene	8.78	2.0	µg/L	10.0	ND	87.8		70-130			
n-Propylbenzene	9.65	1.0	µg/L	10.0	ND	96.5		70-130			
Styrene	9.22	1.0	µg/L	10.0	ND	92.2		70-130			
1,1,1,2-Tetrachloroethane	8.84	1.0	µg/L	10.0	ND	88.4		70-130			
1,1,2,2-Tetrachloroethane	9.21	0.50	µg/L	10.0	ND	92.1		70-130			
Tetrachloroethylene	9.50	1.0	µg/L	10.0	ND	95.0		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 B159800 - SW-846 5030B											
Matrix Spike (B159800-MS1)	**Source: 16I1373-14**			Prepared: 10/04/16 Analyzed: 10/05/16							
Tetrahydrofuran	9.06	10	µg/L	10.0	ND	90.6		70-130			
Toluene	9.27	1.0	µg/L	10.0	ND	92.7		70-130			
1,2,3-Trichlorobenzene	8.23	5.0	µg/L	10.0	ND	82.3		70-130			
1,2,4-Trichlorobenzene	8.19	1.0	µg/L	10.0	ND	81.9		70-130			
1,3,5-Trichlorobenzene	8.24	1.0	µg/L	10.0	ND	82.4		70-130			
1,1,1-Trichloroethane	9.78	1.0	µg/L	10.0	1.10	86.8		70-130			
1,1,2-Trichloroethane	9.69	1.0	µg/L	10.0	ND	96.9		70-130			
Trichloroethylene	9.37	1.0	µg/L	10.0	ND	93.7		70-130			
Trichlorofluoromethane (Freon 11)	8.21	2.0	µg/L	10.0	ND	82.1		70-130			
1,2,3-Trichloropropane	8.99	2.0	µg/L	10.0	ND	89.9		70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	7.34	1.0	µg/L	10.0	ND	73.4		70-130			
1,2,4-Trimethylbenzene	9.24	1.0	µg/L	10.0	ND	92.4		70-130			
1,3,5-Trimethylbenzene	9.68	1.0	µg/L	10.0	ND	96.8		70-130			
Vinyl Chloride	5.90	2.0	µg/L	10.0	ND	**59.0**	*	70-130			MS-09
m+p Xylene	18.6	2.0	µg/L	20.0	ND	93.0		70-130			
o-Xylene	9.30	1.0	µg/L	10.0	ND	93.0		70-130			
Surrogate: 1,2-Dichloroethane-d4	*24.8*		µg/L	25.0		99.3		70-130			
Surrogate: Toluene-d8	*25.1*		µg/L	25.0		100		70-130			
Surrogate: 4-Bromofluorobenzene	*24.9*		µg/L	25.0		99.8		70-130			
Matrix Spike Dup (B159800-MSD1)	**Source: 16I1373-14**			Prepared: 10/04/16 Analyzed: 10/05/16							
Acetone	89.3	50	µg/L	100	8.66	80.6		70-130	17.3	30	
Acrylonitrile	8.33	5.0	µg/L	10.0	ND	83.3		70-130	13.5	30	
tert-Amyl Methyl Ether (TAME)	8.55	0.50	µg/L	10.0	ND	85.5		70-130	10.2	30	
Benzene	11.4	1.0	µg/L	10.0	0.930	105		70-130	14.0	30	
Bromobenzene	10.4	1.0	µg/L	10.0	ND	104		70-130	11.0	30	
Bromochloromethane	11.4	1.0	µg/L	10.0	ND	114		70-130	11.1	30	
Bromodichloromethane	9.85	0.50	µg/L	10.0	ND	98.5		70-130	14.1	30	
Bromoform	9.37	1.0	µg/L	10.0	ND	93.7		70-130	9.27	30	
Bromomethane	7.39	2.0	µg/L	10.0	ND	73.9		70-130	18.6	30	
2-Butanone (MEK)	88.9	20	µg/L	100	ND	88.9		70-130	11.9	30	
tert-Butyl Alcohol (TBA)	82.5	20	µg/L	100	ND	82.5		70-130	15.6	30	
n-Butylbenzene	11.3	1.0	µg/L	10.0	ND	113		70-130	13.8	30	
sec-Butylbenzene	11.1	1.0	µg/L	10.0	ND	111		70-130	12.7	30	
tert-Butylbenzene	10.7	1.0	µg/L	10.0	ND	107		70-130	12.9	30	
tert-Butyl Ethyl Ether (TBEE)	9.23	0.50	µg/L	10.0	ND	92.3		70-130	13.9	30	
Carbon Disulfide	6.81	4.0	µg/L	10.0	ND	**68.1**	*	70-130	21.8	30	MS-09
Carbon Tetrachloride	10.0	5.0	µg/L	10.0	ND	100		70-130	16.7	30	
Chlorobenzene	10.5	1.0	µg/L	10.0	ND	105		70-130	13.5	30	
Chlorodibromomethane	9.13	2.0	µg/L	10.0	ND	91.3		70-130	14.6	30	
Chloroethane	7.96	2.0	µg/L	10.0	ND	79.6		70-130	12.8	30	
Chloroform	10.0	2.0	µg/L	10.0	ND	100		70-130	11.5	30	
Chloromethane	5.03	2.0	µg/L	10.0	ND	**50.3**	*	70-130	25.8	30	MS-09
2-Chlorotoluene	10.3	1.0	µg/L	10.0	ND	103		70-130	7.23	30	
4-Chlorotoluene	10.7	1.0	µg/L	10.0	ND	107		70-130	13.0	30	
1,2-Dibromo-3-chloropropane (DBCP)	10.1	5.0	µg/L	10.0	ND	101		70-130	17.6	30	
1,2-Dibromoethane (EDB)	10.2	0.50	µg/L	10.0	ND	102		70-130	10.1	30	
Dibromomethane	10.2	1.0	µg/L	10.0	ND	102		70-130	11.2	30	
1,2-Dichlorobenzene	10.3	1.0	µg/L	10.0	ND	103		70-130	12.1	30	
1,3-Dichlorobenzene	10.5	1.0	µg/L	10.0	ND	105		70-130	13.0	30	
1,4-Dichlorobenzene	10.1	1.0	µg/L	10.0	ND	101		70-130	11.4	30	
trans-1,4-Dichloro-2-butene	8.26	2.0	µg/L	10.0	ND	82.6		70-130	3.70	30	

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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 B159800 - SW-846 5030B											
Matrix Spike Dup (B159800-MSD1)	**Source: 16I1373-14**			Prepared: 10/04/16 Analyzed: 10/05/16							
Dichlorodifluoromethane (Freon 12)	3.34	2.0	µg/L	10.0	ND	**33.4**	*	70-130	12.4	30	MS-09
1,1-Dichloroethane	10.3	1.0	µg/L	10.0	ND	103		70-130	13.6	30	
1,2-Dichloroethane	9.69	1.0	µg/L	10.0	ND	96.9		70-130	11.0	30	
1,1-Dichloroethylene	9.53	1.0	µg/L	10.0	ND	95.3		70-130	12.8	30	
cis-1,2-Dichloroethylene	10.0	1.0	µg/L	10.0	ND	100		70-130	12.4	30	
trans-1,2-Dichloroethylene	10.0	1.0	µg/L	10.0	ND	100		70-130	10.9	30	
1,2-Dichloropropane	9.59	1.0	µg/L	10.0	ND	95.9		70-130	10.1	30	
1,3-Dichloropropane	9.98	0.50	µg/L	10.0	ND	99.8		70-130	12.3	30	
2,2-Dichloropropane	8.81	1.0	µg/L	10.0	ND	88.1		70-130	16.3	30	
1,1-Dichloropropene	10.6	2.0	µg/L	10.0	ND	106		70-130	14.2	30	
cis-1,3-Dichloropropene	8.67	0.50	µg/L	10.0	ND	86.7		70-130	15.4	30	
trans-1,3-Dichloropropene	10.1	0.50	µg/L	10.0	ND	101		70-130	15.2	30	
Diethyl Ether	8.27	2.0	µg/L	10.0	ND	82.7		70-130	9.50	30	
Diisopropyl Ether (DIPE)	8.86	0.50	µg/L	10.0	ND	88.6		70-130	10.6	30	
1,4-Dioxane	64.7	50	µg/L	100	ND	**64.7**	*	70-130	13.0	30	MS-09
Ethylbenzene	10.5	1.0	µg/L	10.0	ND	105		70-130	12.1	30	
Hexachlorobutadiene	11.3	0.60	µg/L	10.0	ND	113		70-130	17.8	30	
2-Hexanone (MBK)	87.6	10	µg/L	100	ND	87.6		70-130	13.4	30	
Isopropylbenzene (Cumene)	12.9	1.0	µg/L	10.0	ND	129		70-130	12.0	30	
p-Isopropyltoluene (p-Cymene)	10.6	1.0	µg/L	10.0	ND	106		70-130	11.9	30	
Methyl Acetate	12.5	1.0	µg/L	10.0	ND	125		70-130	17.6	30	
Methyl tert-Butyl Ether (MTBE)	8.69	1.0	µg/L	10.0	ND	86.9		70-130	12.2	30	
Methyl Cyclohexane	9.92	1.0	µg/L	10.0	ND	99.2		70-130	13.7	30	
Methylene Chloride	9.07	5.0	µg/L	10.0	ND	90.7		70-130	11.9	30	
4-Methyl-2-pentanone (MIBK)	93.2	10	µg/L	100	ND	93.2		70-130	12.9	30	
Naphthalene	10.3	2.0	µg/L	10.0	ND	103		70-130	16.2	30	
n-Propylbenzene	11.0	1.0	µg/L	10.0	ND	110		70-130	12.7	30	
Styrene	10.6	1.0	µg/L	10.0	ND	106		70-130	14.0	30	
1,1,1,2-Tetrachloroethane	9.97	1.0	µg/L	10.0	ND	99.7		70-130	12.0	30	
1,1,2,2-Tetrachloroethane	10.4	0.50	µg/L	10.0	ND	104		70-130	12.5	30	
Tetrachloroethylene	10.5	1.0	µg/L	10.0	ND	105		70-130	10.4	30	
Tetrahydrofuran	9.35	10	µg/L	10.0	ND	93.5		70-130	3.15	30	
Toluene	10.4	1.0	µg/L	10.0	ND	104		70-130	11.2	30	
1,2,3-Trichlorobenzene	10.0	5.0	µg/L	10.0	ND	100		70-130	19.4	30	
1,2,4-Trichlorobenzene	10.1	1.0	µg/L	10.0	ND	101		70-130	20.9	30	
1,3,5-Trichlorobenzene	9.69	1.0	µg/L	10.0	ND	96.9		70-130	16.2	30	
1,1,1-Trichloroethane	11.1	1.0	µg/L	10.0	1.10	100		70-130	12.6	30	
1,1,2-Trichloroethane	10.3	1.0	µg/L	10.0	ND	103		70-130	6.20	30	
Trichloroethylene	10.6	1.0	µg/L	10.0	ND	106		70-130	12.0	30	
Trichlorofluoromethane (Freon 11)	9.34	2.0	µg/L	10.0	ND	93.4		70-130	12.9	30	
1,2,3-Trichloropropane	10.1	2.0	µg/L	10.0	ND	101		70-130	12.0	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.52	1.0	µg/L	10.0	ND	85.2		70-130	14.9	30	
1,2,4-Trimethylbenzene	10.4	1.0	µg/L	10.0	ND	104		70-130	11.5	30	
1,3,5-Trimethylbenzene	10.9	1.0	µg/L	10.0	ND	109		70-130	11.7	30	
Vinyl Chloride	6.79	2.0	µg/L	10.0	ND	**67.9**	*	70-130	14.0	30	MS-09
m+p Xylene	21.1	2.0	µg/L	20.0	ND	105		70-130	12.6	20	
o-Xylene	10.5	1.0	µg/L	10.0	ND	105		70-130	12.0	30	
Surrogate: 1,2-Dichloroethane-d4	*24.9*		µg/L	25.0		99.6		70-130			
Surrogate: Toluene-d8	*25.1*		µg/L	25.0		100		70-130			
Surrogate: 4-Bromofluorobenzene	*25.0*		µg/L	25.0		100		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 B159977 - SW-846 5030B										
Blank (B159977-BLK1)				Prepared & Analyzed: 10/06/16						
Acetone	ND	50	µg/L							
Acrylonitrile	ND	5.0	µg/L							
tert-Amyl Methyl Ether (TAME)	ND	0.50	µg/L							
Benzene	ND	1.0	µg/L							
Bromobenzene	ND	1.0	µg/L							
Bromochloromethane	ND	1.0	µg/L							
Bromodichloromethane	ND	0.50	µg/L							
Bromoform	ND	1.0	µg/L							
Bromomethane	ND	2.0	µg/L							
2-Butanone (MEK)	ND	20	µg/L							
tert-Butyl Alcohol (TBA)	ND	20	µg/L							
n-Butylbenzene	ND	1.0	µg/L							
sec-Butylbenzene	ND	1.0	µg/L							
tert-Butylbenzene	ND	1.0	µg/L							
tert-Butyl Ethyl Ether (TBEE)	ND	0.50	µg/L							
Carbon Disulfide	ND	4.0	µg/L							
Carbon Tetrachloride	ND	5.0	µg/L							
Chlorobenzene	ND	1.0	µg/L							
Chlorodibromomethane	ND	2.0	µg/L							
Chloroethane	ND	2.0	µg/L							
Chloroform	ND	2.0	µg/L							
Chloromethane	ND	2.0	µg/L							
2-Chlorotoluene	ND	1.0	µg/L							
4-Chlorotoluene	ND	1.0	µg/L							
1,2-Dibromo-3-chloropropane (DBCP)	ND	5.0	µg/L							
1,2-Dibromoethane (EDB)	ND	0.50	µg/L							
Dibromomethane	ND	1.0	µg/L							
1,2-Dichlorobenzene	ND	1.0	µg/L							
1,3-Dichlorobenzene	ND	1.0	µg/L							
1,4-Dichlorobenzene	ND	1.0	µg/L							
trans-1,4-Dichloro-2-butene	ND	2.0	µg/L							
Dichlorodifluoromethane (Freon 12)	ND	2.0	µg/L							
1,1-Dichloroethane	ND	1.0	µg/L							
1,2-Dichloroethane	ND	1.0	µg/L							
1,1-Dichloroethylene	ND	1.0	µg/L							
cis-1,2-Dichloroethylene	ND	1.0	µg/L							
trans-1,2-Dichloroethylene	ND	1.0	µg/L							
1,2-Dichloropropane	ND	1.0	µg/L							
1,3-Dichloropropane	ND	0.50	µg/L							
2,2-Dichloropropane	ND	1.0	µg/L							
1,1-Dichloropropene	ND	2.0	µg/L							
cis-1,3-Dichloropropene	ND	0.50	µg/L							
trans-1,3-Dichloropropene	ND	0.50	µg/L							
Diethyl Ether	ND	2.0	µg/L							
Diisopropyl Ether (DIPE)	ND	0.50	µg/L							
1,4-Dioxane	ND	50	µg/L							V-05
Ethylbenzene	ND	1.0	µg/L							
Hexachlorobutadiene	ND	0.60	µg/L							
2-Hexanone (MBK)	ND	10	µg/L							
Isopropylbenzene (Cumene)	ND	1.0	µg/L							
p-Isopropyltoluene (p-Cymene)	ND	1.0	µg/L							
Methyl Acetate	ND	1.0	µg/L							V-05

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B159977 - SW-846 5030B										
Blank (B159977-BLK1)				Prepared & Analyzed: 10/06/16						
Methyl tert-Butyl Ether (MTBE)	ND	1.0	µg/L							
Methyl Cyclohexane	ND	1.0	µg/L							
Methylene Chloride	ND	5.0	µg/L							
4-Methyl-2-pentanone (MIBK)	ND	10	µg/L							
Naphthalene	ND	2.0	µg/L							
n-Propylbenzene	ND	1.0	µg/L							
Styrene	ND	1.0	µg/L							
1,1,1,2-Tetrachloroethane	ND	1.0	µg/L							
1,1,2,2-Tetrachloroethane	ND	0.50	µg/L							
Tetrachloroethylene	ND	1.0	µg/L							
Tetrahydrofuran	ND	10	µg/L							
Toluene	ND	1.0	µg/L							
1,2,3-Trichlorobenzene	ND	5.0	µg/L							
1,2,4-Trichlorobenzene	ND	1.0	µg/L							
1,3,5-Trichlorobenzene	ND	1.0	µg/L							
1,1,1-Trichloroethane	ND	1.0	µg/L							
1,1,2-Trichloroethane	ND	1.0	µg/L							
Trichloroethylene	ND	1.0	µg/L							
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L							
1,2,3-Trichloropropane	ND	2.0	µg/L							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	1.0	µg/L							
1,2,4-Trimethylbenzene	ND	1.0	µg/L							
1,3,5-Trimethylbenzene	ND	1.0	µg/L							
Vinyl Chloride	ND	2.0	µg/L							
m+p Xylene	ND	2.0	µg/L							
o-Xylene	ND	1.0	µg/L							
Surrogate: 1,2-Dichloroethane-d4	*24.7*		µg/L	25.0		98.6	70-130			
Surrogate: Toluene-d8	*24.9*		µg/L	25.0		99.5	70-130			
Surrogate: 4-Bromofluorobenzene	*24.7*		µg/L	25.0		98.7	70-130			
LCS (B159977-BS1)				Prepared & Analyzed: 10/06/16						
Acetone	87.2	50	µg/L	100		87.2	70-160			†
Acrylonitrile	8.92	5.0	µg/L	10.0		89.2	70-130			
tert-Amyl Methyl Ether (TAME)	9.71	0.50	µg/L	10.0		97.1	70-130			
Benzene	11.2	1.0	µg/L	10.0		112	70-130			
Bromobenzene	11.6	1.0	µg/L	10.0		116	70-130			
Bromochloromethane	12.8	1.0	µg/L	10.0		128	70-130			
Bromodichloromethane	11.5	0.50	µg/L	10.0		115	70-130			
Bromoform	9.88	1.0	µg/L	10.0		98.8	70-130			
Bromomethane	7.50	2.0	µg/L	10.0		75.0	40-160			†
2-Butanone (MEK)	103	20	µg/L	100		103	40-160			†
tert-Butyl Alcohol (TBA)	82.9	20	µg/L	100		82.9	40-160			†
n-Butylbenzene	12.4	1.0	µg/L	10.0		124	70-130			
sec-Butylbenzene	12.0	1.0	µg/L	10.0		120	70-130			
tert-Butylbenzene	11.7	1.0	µg/L	10.0		117	70-130			
tert-Butyl Ethyl Ether (TBEE)	10.5	0.50	µg/L	10.0		105	70-130			
Carbon Disulfide	9.39	4.0	µg/L	10.0		93.9	70-130			
Carbon Tetrachloride	10.8	5.0	µg/L	10.0		108	70-130			
Chlorobenzene	11.2	1.0	µg/L	10.0		112	70-130			
Chlorodibromomethane	10.4	2.0	µg/L	10.0		104	70-130			
Chloroethane	10.4	2.0	µg/L	10.0		104	70-130			
Chloroform	11.3	2.0	µg/L	10.0		113	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 B159977 - SW-846 5030B												
LCS (B159977-BS1)				Prepared & Analyzed: 10/06/16								
Chloromethane	6.59	2.0	µg/L	10.0		65.9		40-160				†
2-Chlorotoluene	11.4	1.0	µg/L	10.0		114		70-130				
4-Chlorotoluene	11.7	1.0	µg/L	10.0		117		70-130				
1,2-Dibromo-3-chloropropane (DBCP)	10.7	5.0	µg/L	10.0		107		70-130				
1,2-Dibromoethane (EDB)	11.9	0.50	µg/L	10.0		119		70-130				
Dibromomethane	11.6	1.0	µg/L	10.0		116		70-130				
1,2-Dichlorobenzene	11.4	1.0	µg/L	10.0		114		70-130				
1,3-Dichlorobenzene	11.6	1.0	µg/L	10.0		116		70-130				
1,4-Dichlorobenzene	10.9	1.0	µg/L	10.0		109		70-130				
trans-1,4-Dichloro-2-butene	9.40	2.0	µg/L	10.0		94.0		70-130				
Dichlorodifluoromethane (Freon 12)	8.80	2.0	µg/L	10.0		88.0		40-160				†
1,1-Dichloroethane	12.0	1.0	µg/L	10.0		120		70-130				
1,2-Dichloroethane	11.1	1.0	µg/L	10.0		111		70-130				
1,1-Dichloroethylene	10.8	1.0	µg/L	10.0		108		70-130				
cis-1,2-Dichloroethylene	11.4	1.0	µg/L	10.0		114		70-130				
trans-1,2-Dichloroethylene	11.6	1.0	µg/L	10.0		116		70-130				
1,2-Dichloropropane	11.4	1.0	µg/L	10.0		114		70-130				
1,3-Dichloropropane	11.3	0.50	µg/L	10.0		113		70-130				
2,2-Dichloropropane	10.9	1.0	µg/L	10.0		109		40-130				†
1,1-Dichloropropene	11.5	2.0	µg/L	10.0		115		70-130				
cis-1,3-Dichloropropene	10.2	0.50	µg/L	10.0		102		70-130				
trans-1,3-Dichloropropene	11.9	0.50	µg/L	10.0		119		70-130				
Diethyl Ether	10.1	2.0	µg/L	10.0		101		70-130				
Diisopropyl Ether (DIPE)	10.3	0.50	µg/L	10.0		103		70-130				
1,4-Dioxane	59.6	50	µg/L	100		59.6		40-130			V-05	†
Ethylbenzene	11.5	1.0	µg/L	10.0		115		70-130				
Hexachlorobutadiene	12.1	0.60	µg/L	10.0		121		70-130				
2-Hexanone (MBK)	98.5	10	µg/L	100		98.5		70-160				†
Isopropylbenzene (Cumene)	13.6	1.0	µg/L	10.0		**136**	*	70-130			L-02	
p-Isopropyltoluene (p-Cymene)	11.6	1.0	µg/L	10.0		116		70-130				
Methyl Acetate	15.4	1.0	µg/L	10.0		**154**	*	70-130			L-02, V-05	
Methyl tert-Butyl Ether (MTBE)	9.70	1.0	µg/L	10.0		97.0		70-130				
Methyl Cyclohexane	11.4	1.0	µg/L	10.0		114		70-130				
Methylene Chloride	11.0	5.0	µg/L	10.0		110		70-130				
4-Methyl-2-pentanone (MIBK)	106	10	µg/L	100		106		70-160				†
Naphthalene	11.5	2.0	µg/L	10.0		115		40-130				†
n-Propylbenzene	11.8	1.0	µg/L	10.0		118		70-130				
Styrene	11.7	1.0	µg/L	10.0		117		70-130				
1,1,1,2-Tetrachloroethane	11.1	1.0	µg/L	10.0		111		70-130				
1,1,2,2-Tetrachloroethane	11.4	0.50	µg/L	10.0		114		70-130				
Tetrachloroethylene	11.8	1.0	µg/L	10.0		118		70-130				
Tetrahydrofuran	10.4	10	µg/L	10.0		104		70-130				
Toluene	11.5	1.0	µg/L	10.0		115		70-130				
1,2,3-Trichlorobenzene	11.0	5.0	µg/L	10.0		110		70-130				
1,2,4-Trichlorobenzene	11.3	1.0	µg/L	10.0		113		70-130				
1,3,5-Trichlorobenzene	10.6	1.0	µg/L	10.0		106		70-130				
1,1,1-Trichloroethane	10.9	1.0	µg/L	10.0		109		70-130				
1,1,2-Trichloroethane	11.9	1.0	µg/L	10.0		119		70-130				
Trichloroethylene	11.9	1.0	µg/L	10.0		119		70-130				
Trichlorofluoromethane (Freon 11)	11.2	2.0	µg/L	10.0		112		70-130				
1,2,3-Trichloropropane	11.0	2.0	µg/L	10.0		110		70-130				

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B159977 - SW-846 5030B										
LCS (B159977-BS1)				Prepared & Analyzed: 10/06/16						
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	1.0	µg/L	10.0		100	70-130			
1,2,4-Trimethylbenzene	11.4	1.0	µg/L	10.0		114	70-130			
1,3,5-Trimethylbenzene	11.9	1.0	µg/L	10.0		119	70-130			
Vinyl Chloride	10.0	2.0	µg/L	10.0		100	40-160			†
m+p Xylene	23.0	2.0	µg/L	20.0		115	70-130			
o-Xylene	11.3	1.0	µg/L	10.0		113	70-130			
Surrogate: 1,2-Dichloroethane-d4	*25.1*		µg/L	25.0		100	70-130			
Surrogate: Toluene-d8	*25.7*		µg/L	25.0		103	70-130			
Surrogate: 4-Bromofluorobenzene	*25.5*		µg/L	25.0		102	70-130			
LCS Dup (B159977-BSD1)				Prepared & Analyzed: 10/06/16						
Acetone	83.8	50	µg/L	100		83.8	70-160	4.08	25	†
Acrylonitrile	8.66	5.0	µg/L	10.0		86.6	70-130	2.96	25	
tert-Amyl Methyl Ether (TAME)	9.21	0.50	µg/L	10.0		92.1	70-130	5.29	25	
Benzene	10.8	1.0	µg/L	10.0		108	70-130	3.72	25	
Bromobenzene	11.2	1.0	µg/L	10.0		112	70-130	3.78	25	
Bromochloromethane	11.8	1.0	µg/L	10.0		118	70-130	8.28	25	
Bromodichloromethane	10.2	0.50	µg/L	10.0		102	70-130	12.5	25	
Bromoform	9.92	1.0	µg/L	10.0		99.2	70-130	0.404	25	
Bromomethane	8.18	2.0	µg/L	10.0		81.8	40-160	8.67	25	†
2-Butanone (MEK)	103	20	µg/L	100		103	40-160	0.165	25	†
tert-Butyl Alcohol (TBA)	81.4	20	µg/L	100		81.4	40-160	1.81	25	†
n-Butylbenzene	11.9	1.0	µg/L	10.0		119	70-130	4.35	25	
sec-Butylbenzene	11.2	1.0	µg/L	10.0		112	70-130	6.48	25	
tert-Butylbenzene	10.9	1.0	µg/L	10.0		109	70-130	6.46	25	
tert-Butyl Ethyl Ether (TBEE)	9.89	0.50	µg/L	10.0		98.9	70-130	5.89	25	
Carbon Disulfide	9.06	4.0	µg/L	10.0		90.6	70-130	3.58	25	
Carbon Tetrachloride	10.3	5.0	µg/L	10.0		103	70-130	5.12	25	
Chlorobenzene	11.2	1.0	µg/L	10.0		112	70-130	0.267	25	
Chlorodibromomethane	9.69	2.0	µg/L	10.0		96.9	70-130	7.26	25	
Chloroethane	9.49	2.0	µg/L	10.0		94.9	70-130	9.53	25	
Chloroform	10.8	2.0	µg/L	10.0		108	70-130	4.36	25	
Chloromethane	7.22	2.0	µg/L	10.0		72.2	40-160	9.12	25	†
2-Chlorotoluene	11.3	1.0	µg/L	10.0		113	70-130	0.615	25	
4-Chlorotoluene	11.5	1.0	µg/L	10.0		115	70-130	1.81	25	
1,2-Dibromo-3-chloropropane (DBCP)	10.8	5.0	µg/L	10.0		108	70-130	1.39	25	
1,2-Dibromoethane (EDB)	11.1	0.50	µg/L	10.0		111	70-130	6.97	25	
Dibromomethane	11.1	1.0	µg/L	10.0		111	70-130	4.68	25	
1,2-Dichlorobenzene	11.2	1.0	µg/L	10.0		112	70-130	1.42	25	
1,3-Dichlorobenzene	11.2	1.0	µg/L	10.0		112	70-130	3.50	25	
1,4-Dichlorobenzene	10.7	1.0	µg/L	10.0		107	70-130	2.32	25	
trans-1,4-Dichloro-2-butene	9.39	2.0	µg/L	10.0		93.9	70-130	0.106	25	
Dichlorodifluoromethane (Freon 12)	7.90	2.0	µg/L	10.0		79.0	40-160	10.8	25	†
1,1-Dichloroethane	11.1	1.0	µg/L	10.0		111	70-130	7.20	25	
1,2-Dichloroethane	10.6	1.0	µg/L	10.0		106	70-130	4.33	25	
1,1-Dichloroethylene	10.4	1.0	µg/L	10.0		104	70-130	3.67	25	
cis-1,2-Dichloroethylene	10.9	1.0	µg/L	10.0		109	70-130	4.92	25	
trans-1,2-Dichloroethylene	10.7	1.0	µg/L	10.0		107	70-130	8.14	25	
1,2-Dichloropropane	10.4	1.0	µg/L	10.0		104	70-130	9.02	25	
1,3-Dichloropropane	10.7	0.50	µg/L	10.0		107	70-130	5.82	25	
2,2-Dichloropropane	10.7	1.0	µg/L	10.0		107	40-130	2.32	25	†
1,1-Dichloropropene	11.0	2.0	µg/L	10.0		110	70-130	4.00	25	

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QUALITY CONTROL

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes	
Batch B159977 - SW-846 5030B												
LCS Dup (B159977-BSD1)				Prepared & Analyzed: 10/06/16								
cis-1,3-Dichloropropene	9.60	0.50	µg/L	10.0		96.0		70-130	6.55	25		
trans-1,3-Dichloropropene	11.5	0.50	µg/L	10.0		115		70-130	3.59	25		
Diethyl Ether	9.52	2.0	µg/L	10.0		95.2		70-130	6.21	25		
Diisopropyl Ether (DIPE)	9.90	0.50	µg/L	10.0		99.0		70-130	3.77	25		
1,4-Dioxane	61.1	50	µg/L	100		61.1		40-130	2.53	50	V-05	† ‡
Ethylbenzene	11.0	1.0	µg/L	10.0		110		70-130	4.99	25		
Hexachlorobutadiene	12.3	0.60	µg/L	10.0		123		70-130	2.21	25		
2-Hexanone (MBK)	96.6	10	µg/L	100		96.6		70-160	2.00	25		†
Isopropylbenzene (Cumene)	13.2	1.0	µg/L	10.0		**132**	*	70-130	3.13	25	L-02	
p-Isopropyltoluene (p-Cymene)	11.2	1.0	µg/L	10.0		112		70-130	3.52	25		
Methyl Acetate	16.2	1.0	µg/L	10.0		**162**	*	70-130	4.81	25	L-02, V-05	
Methyl tert-Butyl Ether (MTBE)	9.34	1.0	µg/L	10.0		93.4		70-130	3.78	25		
Methyl Cyclohexane	10.4	1.0	µg/L	10.0		104		70-130	8.63	25		
Methylene Chloride	10.6	5.0	µg/L	10.0		106		70-130	3.97	25		
4-Methyl-2-pentanone (MIBK)	101	10	µg/L	100		101		70-160	4.69	25		†
Naphthalene	11.4	2.0	µg/L	10.0		114		40-130	0.349	25		†
n-Propylbenzene	11.5	1.0	µg/L	10.0		115		70-130	2.15	25		
Styrene	11.3	1.0	µg/L	10.0		113		70-130	3.22	25		
1,1,1,2-Tetrachloroethane	10.6	1.0	µg/L	10.0		106		70-130	3.87	25		
1,1,2,2-Tetrachloroethane	11.5	0.50	µg/L	10.0		115		70-130	0.960	25		
Tetrachloroethylene	11.0	1.0	µg/L	10.0		110		70-130	7.80	25		
Tetrahydrofuran	10.2	10	µg/L	10.0		102		70-130	2.33	25		
Toluene	10.8	1.0	µg/L	10.0		108		70-130	6.72	25		
1,2,3-Trichlorobenzene	11.1	5.0	µg/L	10.0		111		70-130	1.36	25		
1,2,4-Trichlorobenzene	11.3	1.0	µg/L	10.0		113		70-130	0.265	25		
1,3,5-Trichlorobenzene	10.7	1.0	µg/L	10.0		107		70-130	0.188	25		
1,1,1-Trichloroethane	10.4	1.0	µg/L	10.0		104		70-130	5.26	25		
1,1,2-Trichloroethane	11.3	1.0	µg/L	10.0		113		70-130	5.25	25		
Trichloroethylene	10.9	1.0	µg/L	10.0		109		70-130	8.88	25		
Trichlorofluoromethane (Freon 11)	10.4	2.0	µg/L	10.0		104		70-130	7.59	25		
1,2,3-Trichloropropane	10.9	2.0	µg/L	10.0		109		70-130	0.274	25		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.61	1.0	µg/L	10.0		96.1		70-130	4.48	25		
1,2,4-Trimethylbenzene	10.8	1.0	µg/L	10.0		108		70-130	4.87	25		
1,3,5-Trimethylbenzene	11.6	1.0	µg/L	10.0		116		70-130	2.65	25		
Vinyl Chloride	9.53	2.0	µg/L	10.0		95.3		40-160	4.91	25		†
m+p Xylene	22.0	2.0	µg/L	20.0		110		70-130	4.49	25		
o-Xylene	10.9	1.0	µg/L	10.0		109		70-130	3.78	25		
Surrogate: 1,2-Dichloroethane-d4	*24.9*		µg/L	25.0		99.5		70-130				
Surrogate: Toluene-d8	*24.9*		µg/L	25.0		99.5		70-130				
Surrogate: 4-Bromofluorobenzene	*25.4*		µg/L	25.0		102		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
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
L-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
MS-09	Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
MS-24	Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
Acetone	CT,NY,ME,NH,VA
Acrylonitrile	CT,NY,ME,NH,VA
tert-Amyl Methyl Ether (TAME)	NY,ME,NH,VA
Benzene	CT,NY,ME,NH,VA
Bromochloromethane	NY,ME,NH,VA
Bromodichloromethane	CT,NY,ME,NH,VA
Bromoform	CT,NY,ME,NH,VA
Bromomethane	CT,NY,ME,NH,VA
2-Butanone (MEK)	CT,NY,ME,NH,VA
tert-Butyl Alcohol (TBA)	NY,ME,NH,VA
n-Butylbenzene	NY,ME,VA
sec-Butylbenzene	NY,ME,VA
tert-Butylbenzene	NY,ME,VA
tert-Butyl Ethyl Ether (TBEE)	NY,ME,NH,VA
Carbon Disulfide	CT,NY,ME,NH,VA
Carbon Tetrachloride	CT,NY,ME,NH,VA
Chlorobenzene	CT,NY,ME,NH,VA
Chlorodibromomethane	CT,NY,ME,NH,VA
Chloroethane	CT,NY,ME,NH,VA
Chloroform	CT,NY,ME,NH,VA
Chloromethane	CT,NY,ME,NH,VA
2-Chlorotoluene	NY,ME,NH,VA
4-Chlorotoluene	NY,ME,NH,VA
Dibromomethane	NY,ME,NH,VA
1,2-Dichlorobenzene	CT,NY,ME,NH,VA
1,3-Dichlorobenzene	CT,NY,ME,NH,VA
1,4-Dichlorobenzene	CT,NY,ME,NH,VA
trans-1,4-Dichloro-2-butene	NY,ME,NH,VA
Dichlorodifluoromethane (Freon 12)	NY,ME,NH,VA
1,1-Dichloroethane	CT,NY,ME,NH,VA
1,2-Dichloroethane	CT,NY,ME,NH,VA
1,1-Dichloroethylene	CT,NY,ME,NH,VA
cis-1,2-Dichloroethylene	NY,ME
trans-1,2-Dichloroethylene	CT,NY,ME,NH,VA
1,2-Dichloropropane	CT,NY,ME,NH,VA
1,3-Dichloropropane	NY,ME,VA
2,2-Dichloropropane	NY,ME,NH,VA
1,1-Dichloropropene	NY,ME,NH,VA
cis-1,3-Dichloropropene	CT,NY,ME,NH,VA
trans-1,3-Dichloropropene	CT,NY,ME,NH,VA
Diisopropyl Ether (DIPE)	NY,ME,NH,VA
Ethylbenzene	CT,NY,ME,NH,VA
Hexachlorobutadiene	CT,NY,ME,NH,VA
2-Hexanone (MBK)	CT,NY,ME,NH,VA
Isopropylbenzene (Cumene)	NY,ME,VA
p-Isopropyltoluene (p-Cymene)	CT,NY,ME,NH,VA
Methyl tert-Butyl Ether (MTBE)	CT,NY,ME,NH,VA

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8260C in Water	
Methylene Chloride	CT,NY,ME,NH,VA
4-Methyl-2-pentanone (MIBK)	CT,NY,ME,NH,VA
Naphthalene	NY,ME,NH,VA
n-Propylbenzene	CT,NY,ME,NH,VA
Styrene	CT,NY,ME,NH,VA
1,1,1,2-Tetrachloroethane	CT,NY,ME,NH,VA
1,1,2,2-Tetrachloroethane	CT,NY,ME,NH,VA
Tetrachloroethylene	CT,NY,ME,NH,VA
Toluene	CT,NY,ME,NH,VA
1,2,3-Trichlorobenzene	NY,ME,NH,VA
1,2,4-Trichlorobenzene	CT,NY,ME,NH,VA
1,3,5-Trichlorobenzene	ME
1,1,1-Trichloroethane	CT,NY,ME,NH,VA
1,1,2-Trichloroethane	CT,NY,ME,NH,VA
Trichloroethylene	CT,NY,ME,NH,VA
Trichlorofluoromethane (Freon 11)	CT,NY,ME,NH,VA
1,2,3-Trichloropropane	NY,ME,NH,VA
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	NY,VA
1,2,4-Trimethylbenzene	NY,ME,VA
1,3,5-Trimethylbenzene	NY,ME,VA
Vinyl Chloride	CT,NY,ME,NH,VA
m+p Xylene	CT,NY,ME,NH,VA
o-Xylene	CT,NY,ME,NH,VA

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2017
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2017
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2017
RI	Rhode Island Department of Health	LAO00112	12/30/2016
NC	North Carolina Div. of Water Quality	652	12/31/2016
NJ	New Jersey DEP	MA007 NELAP	06/30/2017
FL	Florida Department of Health	E871027 NELAP	06/30/2017
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2017
ME	State of Maine	2011028	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2016
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017

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CHAIN OF CUSTODY RECORD

NEW YORK STATE

39 Spruce Street
East longmeadow, MA 01028

16I1373

Company Name: Arcadis
Address: 855 Route 146, Suite 210
Clifton Park, NY 12065
Attention: Jeremy Wyckoff
Project Location: Gladding Cordage
Sampled By: Bree Maglieri
Telephone: 518-250-7300
Project # 00266406.0000
Client PO#

O Project Proposal Provided? (for billing purposes) 00266406.0000

DATA DELIVERY (check all that apply)
O FAX ● EMAIL O WEBSITE
Fax #
Email: Jeremy.Wyckoff@arcadis.com
Format: PDF ● EXCEL ● GIS O
O OTHER
O "Enhanced Data Package"

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/~~Time~~	Collection ~~Ending~~ Date/Time	Composite	Grab	*Matrix Code	Conc Code	8260 Standard	# of Containers	** Preservation	***Container Code
01	TW-3S-20160930	9/30/16	0715		X	GW	V	X	3	H	V
02	TW-3I-20160930	9/30/16	0720		X	GW	V	X			
03	TW-3D-20160930	9/30/16	0725		X	GW	V	X			
04	TW-15-20160930	9/30/16	0730		X	GW	V	X			
05	TW-14S-20160930	9/30/16	0735		X	GW	V	X			
06	TW-14I-20160930	9/30/16	0740		X	GW	V	X			
07	TW-14D-20160930	9/30/16	0745		X	GW	V	X			
08	TW-4I-20160930	9/30/16	0750		X	GW	V	X			
09	TW-5S-20160930	9/30/16	0755		X	GW	V	X			
10	TW-5I-20160930	9/30/16	0800		X	GW	V	X			

ANALYSIS REQUESTED

Dissolved Metals
O Field Filtered
O Lab to Filter

***Cont. Code:**
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other

****Preservation**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other

Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:	Relinquished by:	Date/Time:
Bree Maglieri	9/30/16 1140		
Received by: (signature)	Date/Time:	Received by:	Date/Time:
	9/30/16 12:10 PM		
Relinquished by: (signature)	Date/Time:	Relinquished by:	Date/Time:
	9/30/16 1600		
Received by: (signature) 4.9°C	Date/Time:	Received by:	Date/Time:
	10/1/16 1100		

Turnaround †
☐ 5-Day
☐ 7 Day
☒ 10-Day or Standard
RUSH † 24 hr O 48 hr O 72 hr O 4 day O
† Require lab approval

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

Deliverables
O ASP-A O Equis (1 file) O Other:
● ASP-B O Equis (4 file)

TURNAROUND TIME (business days) STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED. PLEASE BE CAREFUL TO NOT CONTAMINATE THIS DOCUMENT

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con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
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Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

NEW YORK STATE

16I1373

39 Spruce Street
East longmeadow, MA 01028

Company Name: Arcadis
Address: 855 Route 146, Suite 210
Clifton Park, NY 12065
Attention: Jeremy Wyckoff
Project Location: Gladding Cordage
Sampled By: Bree Quaglieri

Telephone: 518-250-7300
Project # 00266406.0000
Client PO#

DATA DELIVERY (check all that apply)
○ FAX ● EMAIL ○ WEBSITE
Fax #
Email: Jeremy.wyckoff@arcadis.com
Format: PDF ● EXCEL ● GIS ○
○ OTHER
○ "Enhanced Data Package"

○ Project Proposal Provided? (for billing purposes) 00266406.0000

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	8260 Standard	# of Containers	** Preservation	***Container Code
11	TW-5D_20160930	9/30/16	0805		X	GW	V	X	3	H	V
12	TW-7S_20160930	↓	0810		↓	↓	↓	↓			
13	TW-7I_20160930		0815								
14	TW-7D_20160930		0820								
15	TW-9I_20160930		0825								
16	TW-9D_20160930		0830								
17	TW-6S_20160930		0835								
18	TW-6I_20160930		0840								
19	TW-6D_20160930		0845								
20	TW-12I_20160930	↓	0850		↓	↓	↓	↓			

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ Lab to Filter

***Cont. Code:**
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
S=summa can
T=tedlar bag
O=Other

****Preservation**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium bisulfate
X = Na hydroxide
T = Na thiosulfate
O = Other

*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other

Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:	Relinquished by:	Date/Time:
	9/30/16 1140		
Received by: (signature)	Date/Time:	Received by:	Date/Time:
	9-30-16 12:10 PM		
Relinquished by: (signature)	Date/Time:	Relinquished by:	Date/Time:
	9-30-16 1600		
Received by: (signature) 4.9°C	Date/Time:	Received by:	Date/Time:
	10/1/16 0110		

Turnaround †
☐ 5-Day
☐ 7 Day
☑ 10-Day or Standard
RUSH †
24 hr ○ 48 hr ○
72 hr ○ 4 day ○
† Require lab approval

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

Deliverables
○ ASP-A ○ Equis (1 file) ○ Other:
● ASP-B ○ Equis (4 file)

TURNAROUND TIME (business days) STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED. PLEASE BE CAREFUL TO NOT CONTAMINATE THIS DOCUMENT

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NEW YORK STATE

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39 Spruce Street
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Company Name: Arcadis
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Clifton Park, NY 12065
Attention: Jeremy Wyckoff
Project Location: Gladding Cordage
Sampled By: Bree Quegliere

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Client PO#

DATA DELIVERY (check all that apply)
○ FAX ● EMAIL ○ WEBSITE
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Email: Jeremy.wyckoff@arcadis.com
Format: PDF ● EXCEL ● GIS ○
○ OTHER
○ "Enhanced Data Package"

○ Project Proposal Provided? (for billing purposes) 00266406.0000

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	# of Containers	** Preservation	***Container Code
								3	#	V
21	TW-12D-20160930	9/30/16	0855		X	GW	V	X		
22	DUP-1-20160930		—							
14	TW-7D-20160930MS		0820							
14	TW-7D-20160930MSD		0820							
23	TB-20160930	9/30/16	—		X	GW	V	X		
	Temp Blank	—	—		—	—	—			

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ Lab to Filter

***Cont. Code:
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
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**Preservation
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*Matrix Code:
GW= groundwater
WW= wastewater
DW= drinking water
A = air
S = soil/solid
SL = sludge
O = other

Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:	Relinquished by:	Date/Time:
			9-30-16 1600
Received by: (signature)	Date/Time: 9/30/16 1140	Received by:	Date/Time: 10/1/16 1100
Relinquished by: (signature)	Date/Time:	Relinquished by:	Date/Time:
Received by: (signature)	Date/Time: 9-30-16 12:10 PM	Received by:	Date/Time:

Turnaround †
☐ 5-Day
☐ 7 Day
☑ 10-Day or Standard
RUSH
24 hr ○ 48 hr ○
72 hr ○ 4 day ○
† Require lab approval

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

Deliverables
○ ASP-A ○ Equis (1 file) ○ Other:
● ASP-B ○ Equis (4 file)

TURNAROUND TIME (business days) STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED. PLEASE BE CAREFUL TO NOT CONTAMINATE THIS DOCUMENT

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39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.contestlabs.com

con-test® ANALYTICAL LABORATORY

Sample Receipt Checklist

CLIENT NAME: Arcadis **RECEIVED BY:** RLF **DATE:** 10/1/10

1) Was the chain(s) of custody relinquished and signed? Yes X No ____ No COC Incl.

2) Does the chain agree with the samples? Yes X No ____

If not, explain:

3) Are all the samples in good condition? Yes X No ____

If not, explain:

4) How were the samples received:

On Ice X Direct from Sampling ____ Ambient ____ In Cooler(s) X

Were the samples received in Temperature Compliance of (2-6°C)? Yes X No ____ N/A ____

Temperature °C by Temp blank ____ Temperature °C by Temp gun 4.9°C

5) Are there Dissolved samples for the lab to filter? Yes ____ No X

Who was notified ____ Date ____ Time ____

6) Are there any RUSH or SHORT HOLDING TIME samples? Yes ____ No X

Who was notified ____ Date ____ Time ____

7) Location where samples are stored:

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: ____

8) Do all samples have the proper Acid pH: Yes ____ No ____ N/A X

9) Do all samples have the proper Base pH: Yes ____ No ____ N/A X

10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes ____ N/A X

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		16 oz amber	
500 mL Amber		8 oz amber/clear jar	
250 mL Amber (8oz amber)		4 oz amber/clear jar	
1 Liter Plastic		2 oz amber/clear jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		SOC Kit	
40 mL Vial - type listed below	74	Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

40 mL vials: # HCl 74 # Methanol ____

Bisulfate ____ # DI Water ____

Thiosulfate ____ Unpreserved ____

Time and Date Frozen:

Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)

Any False statement will be brought to the attention of Client

Question	Answer (True/False) T/F/NA	Comment
1) The cooler's custody seal, if present, is intact.	NA	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	T	
4) Cooler Temperature is acceptable.	T	
5) Cooler Temperature is recorded.	T	
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) There are no discrepancies between the sample IDs on the container and the COC.	T	
10) Samples are received within Holding Time.	T	
11) Sample containers have legible labels.	T	
12) Containers are not broken or leaking.	T	
13) Air Cassettes are not broken/open.	NA	
14) Sample collection date/times are provided.	T	
15) Appropriate sample containers are used.	T	
16) Proper collection media used.	T	
17) No headspace sample bottles are completely filled.	T	
18) There is sufficient volume for all requsted analyses, including any requested MS/MSDs.	T	
19) Trip blanks provided if applicable.	T	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	T	
21) Samples do not require splitting or compositing.	T	

Who notified of False statements? **Date/Time:**

Doc #277 Rev. 4 August 2013 **Log-In Technician Initials:** **Date/Time:**

RLT 10/1/16

APPENDIX D

Generally Acceptable Procedures for Passive Diffusion Bag Samplers

GENERALLY ACCEPTABLE PROCEDURE

FOR

PASSIVE DIFFUSION BAG SAMPLERS

PURPOSE/APPLICATION

Water-filled passive diffusion bag (PDB) samplers can be an effective, simple and inexpensive alternative to traditional groundwater sampling methods for measuring concentrations of a variety of volatile organic compounds (VOCs) in groundwater.

A typical passive diffusion bag sampler consists of low-density polyethylene lay-flat tube closed at both ends containing deionized water. The samplers operate by chemical diffusion across the semipermeable polyethylene membrane until a chemical equilibrium exists on both sides of the membrane. The samplers may be used individually or in "stacks" (several samplers positioned vertically at target depths) to assess the vertical distribution of VOCs in a well.

ADVANTAGES

- # PDB samplers produce little to no purge water, thus reducing sampling and disposal costs.
- # PDB samplers are relatively inexpensive.
- # PDB samplers are simple to deploy and recover.
- # PDB samplers are dedicated, single use, thus, there is no down-hole equipment to be decontaminated between wells.
- # Sampler deployment and recovery is rapid, making PDB samplers desirable for use where access is a problem or where discretion is necessary (residential communities, business districts, or busy streets).
- # PDB samplers are not affected by turbidity. The pore size of the polyethylene sampler is 10 angstroms or less which prevents sediment from entering the PDB sampler.
- # PDB samplers reduce interference from purge water mixing.
- # PDB samplers typically require less labor compared to traditional purge techniques.

LIMITATIONS

- # PDB samplers are not effective for obtaining representative concentrations of all compounds. Water-filled polyethylene PDB samplers typically do not provide representative concentrations of MTBE (methyl-*tert*-butyl ether), acetone, SVOCs, PCBs, and metals. Factors that limit the ability of compounds to diffuse

through the PDB membrane include molecular size, shape, and any hydrophobic properties of the compounds.

- # PDB samplers typically take about 14 days to reach equilibrium concentrations. This could be a limitation if the goal of the sampling event is to gain a representative sample at a single point in time in an aquifer where VOC concentrations change more rapidly than the samplers equilibrate.
- # In wells containing stratified chemical concentrations, concentrations in a single PDB sampler may not represent the zone with the highest concentration.
- # Because wells sampled with PDB samplers are not purged, information on common field parameters is not obtained.
- # Requires careful placement at known depth for repeatable results.
- # PDB samplers provide only a limited sample volume.
- # PDB samplers are not universally accepted by all regulatory agencies. Consult with regulators before using.

RECOMMENDED EQUIPMENT

- # Polyethylene passive diffusion bags.
- # Deionized water
- # Stainless steel weights
- # Rope/wire with sufficient strength to support the weight and sampler. The rope/wire should be non-elastic (i.e. polyester, nylon, or stainless steel or Teflon coated stainless steel wire).
- # Hooks to secure the rope/wire to the well casing
- # Electronic water level probe
- # Measuring tape
- # Nitrile or Latex protective gloves.

EQUIPMENT DECONTAMINATION

PDB samplers are single-use disposable samplers, thus no decontamination is necessary. To prevent cross-contamination, rope should not be used in more than one well. However, stainless steel weights and coated stainless steel wire can be reused after sufficient decontamination with low phosphate detergent (Alconox or equivalent) and water.

PROCEDURES

Deployment

- # Using the electronic water level probe, measure the depth to water and the total well depth. Compare these measurements with previous measurements from the well and the reported depth of the well screen from the well construction record. This is to check if sediment has accumulated on the bottom of the well and if the well construction records are accurate.

Attach a stainless steel weight to the end of the line. Sufficient weight should be added to overcome the buoyancy of the PDB sampler.
Calculate the distance from the bottom of the well, to the depth where the PDB sampler is to be placed.
At the designated point, secure the PDB sampler to the weighted line using the ring tabs on both ends of the sampler.
Label PDB sampler(s) with well I.D. and depth (if using multiple PDBs in one well).
For relatively short well screens (less than five feet), the center point of the PDB sampler should be suspended at the vertical midpoint of the saturated well-screen length.
For well screens greater than five feet in length, it is suggested to use multiple PDB samplers vertically along the length of the well screen for at least the initial sampling. Multiple samplers are used to determine if contaminant stratification is present and to locate the zone with of highest concentration. The midpoint of each PDB sampler should be positioned at the midpoint of the sample interval.
With PDB sampler(s) attached, lower the weighted line to the bottom of the well. The weighted line should be taut when the PDB sampler(s) is at the target depth(s).
Secure the assembly in place. Attach the weighted line with a hook to the well riser or well cap. The well should be covered to prevent surface water infiltration.
Allow the system to remain undisturbed while the PDB sampler(s) equilibrate (minimum 14 days recommended; 6 months or more allowable if needed).

Sample Recovery

Remove the PDB sampler from the well using the attached line. Avoid exposing the sampler to excessive agitation as it is removed from the well.
Examine the surface of the PDB sampler for tears, algae, iron, or other coatings. If there are tears in the membrane, the sample should be discarded. If the outside of the sampler is coated with any material, it should be noted.
Detach the sampler from the weighted line and remove any excess fluids or materials from the exterior of the bag. This can be accomplished with paper towels.
There are several acceptable methods for transferring water from the PDB sampler to the 40ml volatile organic analysis (VOA) vials:
    - If a discharge device is provided by the PDB sampler supplier, it can be inserted either in place of the fill plug or directly into the bag.
    - If no discharge device is provided, the PDB sampler can be cut at one end using scissors or a sharp probe. The water should then be poured gently from the PDB sampler to the 40 ml VOA vials.
Samples should be preserved according to the analytical method and stored at approximately 4 °C in accordance with standard sampling protocol.
Any unused water from the PDB samplers should be disposed in accordance with local, state, and federal regulations.

PDB Sampler Suppliers

Columbia Analytical Services
Lambertville, NJ
Phone: (609) 397-5326
Fax: (609) 397-5327

EON Product, Inc.
P.O. Box 390246
Snellville, GA 30039
Toll-Free: (800) 474-2490
Fax: (770) 978-8661

REFERENCES

Vroblesky, D.A., 2001, User's Guide for Polyethylene-Based Passive Diffusion Bag Samplers to Obtain Volatile Organic Compound Concentrations in Wells: U.S. Geological Survey Water-Resources Investigation Report 01-4060, p. 1-11.

Naval Facilities Engineering Command, Washington D.C. 20374-5065, 2000, Diffusion Membrane Samplers, A Low-Cost Alternative Groundwater Monitoring Tool for VOCs: NFESC TDS-2085-ENV, p. 1-2.

http://www.clu-in.org/products/newsltrs/gwc/gwc1297.htm

APPENDIX E

Groundwater Level Data Form

GROUNDWATER LEVEL DATA FORM

PROJECT NAME: Gladding Cordage
PROJECT NUMBER: 00266406.0000
DATE: 9/12/2016
NAME: BQ

WELL ID	Date	Time	Headspace VOCs (ppm)	Depth to Water (feet)	Reference Point
TW-1	9/12/2016	--	0.0	7.84	TOC
TW-2S	9/12/2016	--	0.0	8.70	TOC
TW-2I	9/12/2016	--	0.0	8.41	TOC
TW-2D	9/12/2016	--	0.0	8.52	TOC
TW-3S	9/12/2016	--	0.0	10.11	TOC
TW-3I	9/12/2016	--	0.0	9.40	TOC
TW-3D	9/12/2016	--	0.0	9.67	TOC
TW-4I	9/12/2016	--	0.0	7.29	TOC
TW-5S	9/12/2016	--	0.0	8.37	TOC
TW-5I	9/12/2016	--	0.0	8.78	TOC
TW-5D	9/12/2016	--	0.0	9.65	TOC
TW-6S	9/12/2016	--	0.0	7.13	TOC
TW-6I	9/12/2016	--	0.0	7.80	TOC
TW-6D	9/12/2016	--	0.0	7.50	TOC
TW-7S	9/12/2016	--	0.0	9.35	TOC
TW-7I	9/12/2016	--	0.0	9.80	TOC
TW-7D	9/12/2016	--	0.0	9.50	TOC
TW-9I	9/12/2016	--	0.0	10.45	TOC
TW-9D	9/12/2016	--	0.0	10.79	TOC
TW-10D	9/12/2016	--	0.0	6.89	TOC
TW-12I	9/12/2016	--	0.0	7.66	TOC
TW-12D	9/12/2016	--	0.0	7.68	TOC
TW-14S	9/12/2016	--	0.0	6.88	TOC
TW-14I	9/12/2016	--	0.0	7.36	TOC
TW-14D	9/12/2016	--	0.0	7.13	TOC
TW-15	9/12/2016	--	0.0	9.86	TOC

Notes:

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