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New York State Department of Environmental Conservation

Site Number 7-09-009

Gladding Cordage Site Quarterly Report

Fourth Quarter 2013

June 2014

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Project Geologist

Gladding Cordage Site
Quarterly Report

Fourth Quarter 2013

Site Number 7-09-009

Prepared for:
New York State Department of
Environmental Conservation

Prepared by:
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Our Ref
00266406.0000

Date:
June 2014

Malcolm Pirnie, Inc. was acquired by ARCADIS in June 2009.

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1. Introduction

The New York State Department of Environmental Conservation (NYSDEC) has issued a Work Assignment (# D007618-9) to Malcolm Pirnie, Inc. (Malcolm Pirnie) for Operation, Maintenance, and Monitoring at the Gladding Cordage Site in New York State (Site # 7-09-009). This Quarterly Report has been prepared in accordance with the NYSDEC-approved Work Plan to summarize 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, NYSDEC provided a training session to Malcolm Pirnie personnel on the operation and maintenance (O&M) of the groundwater treatment plant at the Gladding Cordage Site. Since then, Malcolm Pirnie 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

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. Following the installation of the VFD, effluent samples were collected at various blower motor frequencies (speeds) including 40 HZ, 50 HZ, and 60 HZ. The analyte1,1,1-trichloroethane (1,1,1-TCA) was detected at 6 µg/l in the 40 HZ effluent sample but was not detected in the 50 HZ and 60 HZ samples. Following the completion of the January 9, 2008 sampling event the VFD was set to 50 HZ. Additional sampling was conducted in February 2008 to optimize the treatment system blower speed. Based on the results, the VFD setting was reduced to 42 HZ beginning in March 2008. The VFD setting is evaluated on a monthly basis. The current VFD setting (46 HZ) has been maintained since September 2010.

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 various system inputs and outputs on a daily basis. If input and/or output

device signals exceed defined operating parameters, an alarm condition is set and the corresponding alarm information is sent via facsimile to the system user (i.e. Malcolm Pirnie).

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 geothermal heat exchanger 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.

During the December 20, 2013 site inspection, it was observed that the heat exchanger was not emitting sufficient heat to maintain the treatment plant building temperature. The heat pump system was inspected and found that groundwater was not flowing through the heat exchanger while the system was operating. The cause of the restriction was not determined during the December site visit and will be evaluated during the next (first quarter 2014) inspection. The existing electric unit heater was subsequently turned on to maintain the temperature of the treatment plant building.

3.2 Treatment Plant Operation

As shown on PLC facsimile reports (Appendix A), the Gladding Cordage groundwater treatment system operated for a total of 13 days in October 2013. It was shut down on October 1st due to an AC failure and restarted on October 9. It was shut down again on October 14 due to an air stripper blower VFD failure and restarted on October 28. In November 2013, the groundwater treatment system operated without interruption. In December 2013, the groundwater treatment system operated for only 20 days due to several power interruptions.

The average monthly flow rates and total flow volumes for the fourth quarter 2013 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 were consistent and the average quarterly flows were 21.4 gpm and 21.6 gpm, respectively. Based on the total flow values, approximately 3.7 million gallons of water were treated between October and December, 2013.

3.2.1 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 for analysis of volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 624. Analytical Reporting Forms are provided in Appendix B.

3.2.1.1 Influent Sample Results

Table 3-2 and Table 3-3 summarize the previous year of 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. Tables 3-2 and 3-3, and Figure 3-1 show that the concentrations of 1,1,1-TCA in the samples from recovery well RW-1 ranged from 39 micrograms per liter (µg/L) (May, 2013) to 53 µg/L (October, 2013). The concentrations of 1,1,1-TCA in the samples from RW-2 ranged from 28 µg/L (January, 2013) to 58 µg/L (July, 2013). These results exceed the corresponding NYSDEC Class GA Standard of 5 µg/L; however, Figure 3-1 shows that the concentrations in the samples from these wells are consistent with previous results.

As shown in Tables 3-2 and 3-3, 1,1-dichloroethene (1,1-DCE) was detected in the December samples from recovery wells RW-1 and RW-2, and 1,1-dichloroethane (1,1-DCA) was detected in the October sample from recovery well RW-1. However, these concentrations were less than the applicable NYSDEC Class GA Standard of 5 µg/L. Tables 3-2 and 3-3 show that the 1,1-DCE and 1,1-DCA concentrations in the fourth quarter 2013 samples from RW-1 and RW-2 are consistent with previous results.

3.2.1.2 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 fourth quarter 2013 effluent samples. Based on influent sample concentrations and total flow volumes from the Gladding Cordage treatment system, approximately 1.3 pounds of VOCs were removed by the treatment system during the fourth quarter, 2013.

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 collected using passive diffusion bags (PDBs). On July 24, 2007, NYSDEC and Malcolm Pirnie 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.

Based on the current five-quarter sampling interval, the next groundwater monitoring event is scheduled to occur during the first quarter 2015.

Figure 4-1 shows the location of the groundwater monitoring wells. Passive diffusion bags were placed in groundwater monitoring wells on October 15, 2013 in accordance with the Generally Acceptable Procedures (GAP) for PDB Samplers (Appendix C). Samples were collected from the PDBs on October 29, 2013 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 is required at this time.

4.2 Water Level Survey

Prior to collecting samples, water levels were measured to the nearest hundredth of a foot and recorded on a groundwater level data form (Appendix D). 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 1204.01 feet (ft) above mean sea level (amsl) to 1205.42 ft amsl; groundwater elevations in monitoring wells screened in the intermediate groundwater monitoring zone ranged from 1202.99 ft amsl to 1204.58 ft amsl; and groundwater elevations in monitoring wells screened in the deep groundwater monitoring zone ranged from 1203.66 ft amsl to 1204.42 ft amsl.

As shown in the groundwater elevation data presented in Table 4-1 (monitoring wells) and Table 4-2 (recovery wells), monitoring well clusters TW-5, TW-6, TW-7, TW-9 and TW-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 surfaces map are provided on Figure 4-2, Figure 4-3, and Figure 4-4, respectfully. As shown on Figure 4-2, the direction of groundwater flow in the shallow groundwater monitoring zone is generally to the south, toward the Otselic River. As shown on Figures 4-3 and Figure 4-4, groundwater extraction from recovery wells RW-1 and RW-2 has created a cone of depression, with groundwater flows in the immediate source 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 above the NYSDEC Class GA Standards in these wells during the 2009 groundwater monitoring event.

Groundwater samples were collected from the monitoring well network using PDBs as requested by NYSDEC and in accordance with the procedure presented in Appendix C. Groundwater monitoring wells sampled during the 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 collected during the groundwater monitoring event 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 B.

4.4 Groundwater Sampling Results

Groundwater sampling results from the fourth quarter 2013 sampling event are summarized in Table 4-3. Figure 4-5 shows the distribution of 1,1,1-TCA concentrations in shallow, intermediate and deep wells, respectively. As shown in Figure 4-5, the highest concentrations of 1,1,1- TCA are present in the deep wells, specifically TW-5D and TW–14D.

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 (7.9 µg/L), TW-7S (12 µg/L) and TW-14S (10 µg/L) exceeded the NYSDEC Class GA Standard of 5 µg/L.

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 fourth quarter 2013 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-3I (6.1 µg/L), TW-4I (23 µg/L), and TW-15 (9.4 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 (1.9 µg/L) exceeded the NYSDEC Class GA Standard (1 µg/L).

The sample TW-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 are slightly higher in the TW-15 (9.1 µg/L) sample than in the duplicate (5.1 µg/L), however the concentrations in both samples generally correlate well.

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 samples collected from deep monitoring wells TW-5D (39 µg/L), TW-7D (5.9 µg/L), TW-14D (56 µg/L). Table 4-3 shows that these concentrations are consistent with previous sample results from these wells, with the exception of monitoring well TW-7D. Monitoring well TW-7D exceeded the NYSDEC Class GA Standard of 5 µg/L for the first time in two years. It should be noted however, that the concentration of 1,1,1-TCA was in the historical range for this well.

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

5. Recommendations

No recommendations are suggested at this time.

6. Summary

The Gladding Cordage groundwater treatment system was shut down for a total of 18 days in October 2013 due to power failure. In November 2013, the groundwater treatment system operated without interruption. In December 2013, the groundwater treatment system was down for 11 days due to power failures. The geothermal heat pump was found to not be operating in December and will be fully evaluated during the next operating period. The existing electric unit heater will be used to maintain the temperature of the treatment plant. The average total flow through the treatment system is 43 GPM. No VOCs were detected in the fourth quarter 2013 effluent samples. Based on monthly influent and effluent sampling, 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 1.3 pounds of VOCs were removed by the treatment system during the fourth quarter 2013.

Groundwater samples were collected from 21 of the 26 groundwater monitoring wells at the Gladding Cordage site in 2013. The concentrations of VOCs in samples collected from the shallow, intermediate, and deep groundwater monitoring zones were generally consistent with results from the 2012 monitoring event. Groundwater samples collected from three shallow, five intermediate, and three deep groundwater monitoring wells contained concentrations of VOCs greater than the applicable NYSDEC Class GA Standards. The maximum concentration of total VOCs (61.1 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.

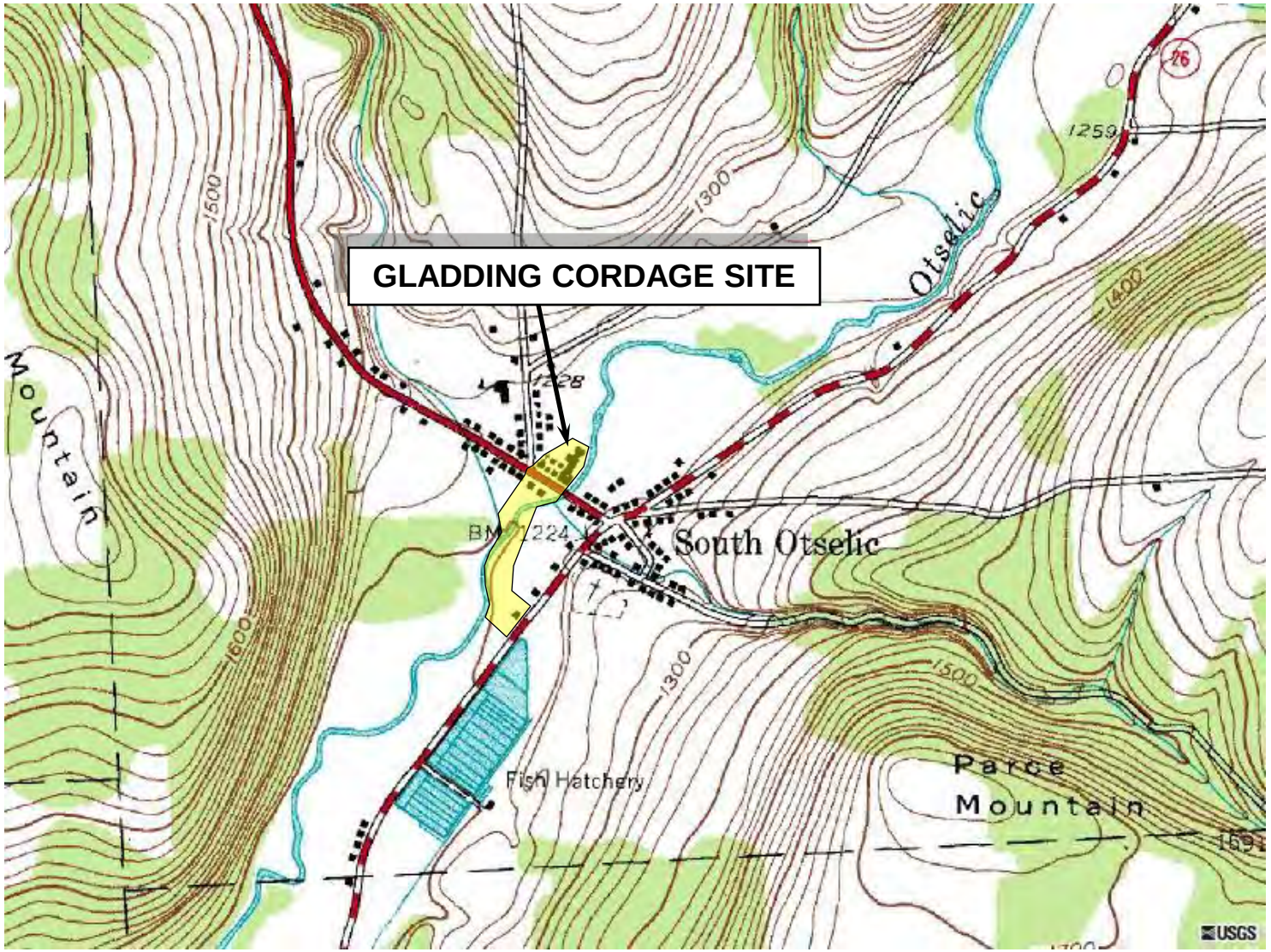
The next monitoring event is scheduled for first quarter 2015.

7. References

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

Malcolm Pirnie, 2011, Periodic Review Report, Gladding Cordage Site, Site 7-09-009, July 2011.

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



SCALE IN FEET

0 500 1000 2000

SOURCE: U.S.G.S 7.5 MIN. SOUTH OTSELIC QUAD, 1988

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NYSDEC STANDBY CONTRACT NO. D007618-9
GLADDING CORDAGE – SITE NUMBER 7-09-009
SOUTH OTSELIC, NEW YORK

SITE LOCATION

FIGURE 2-1

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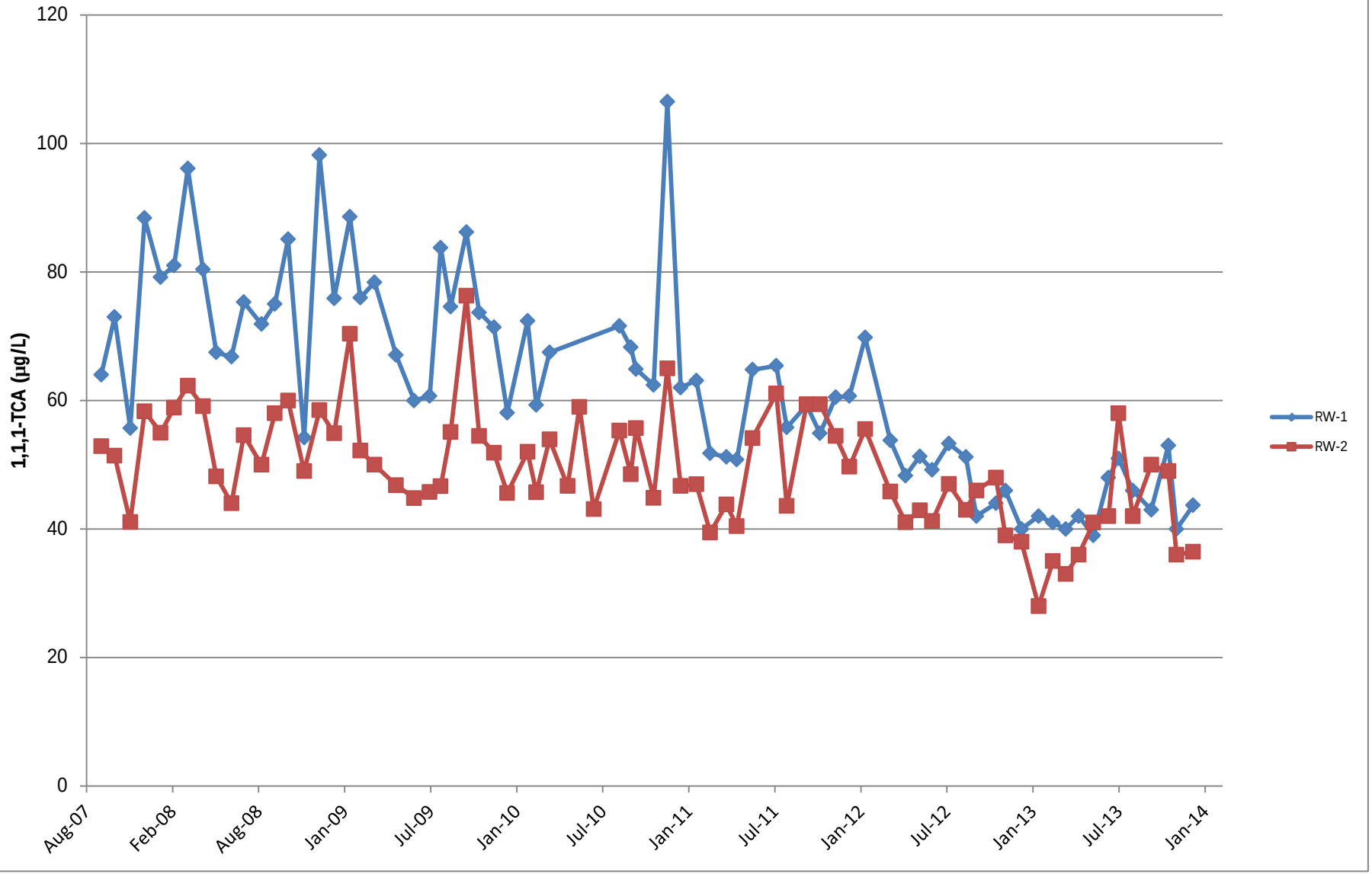
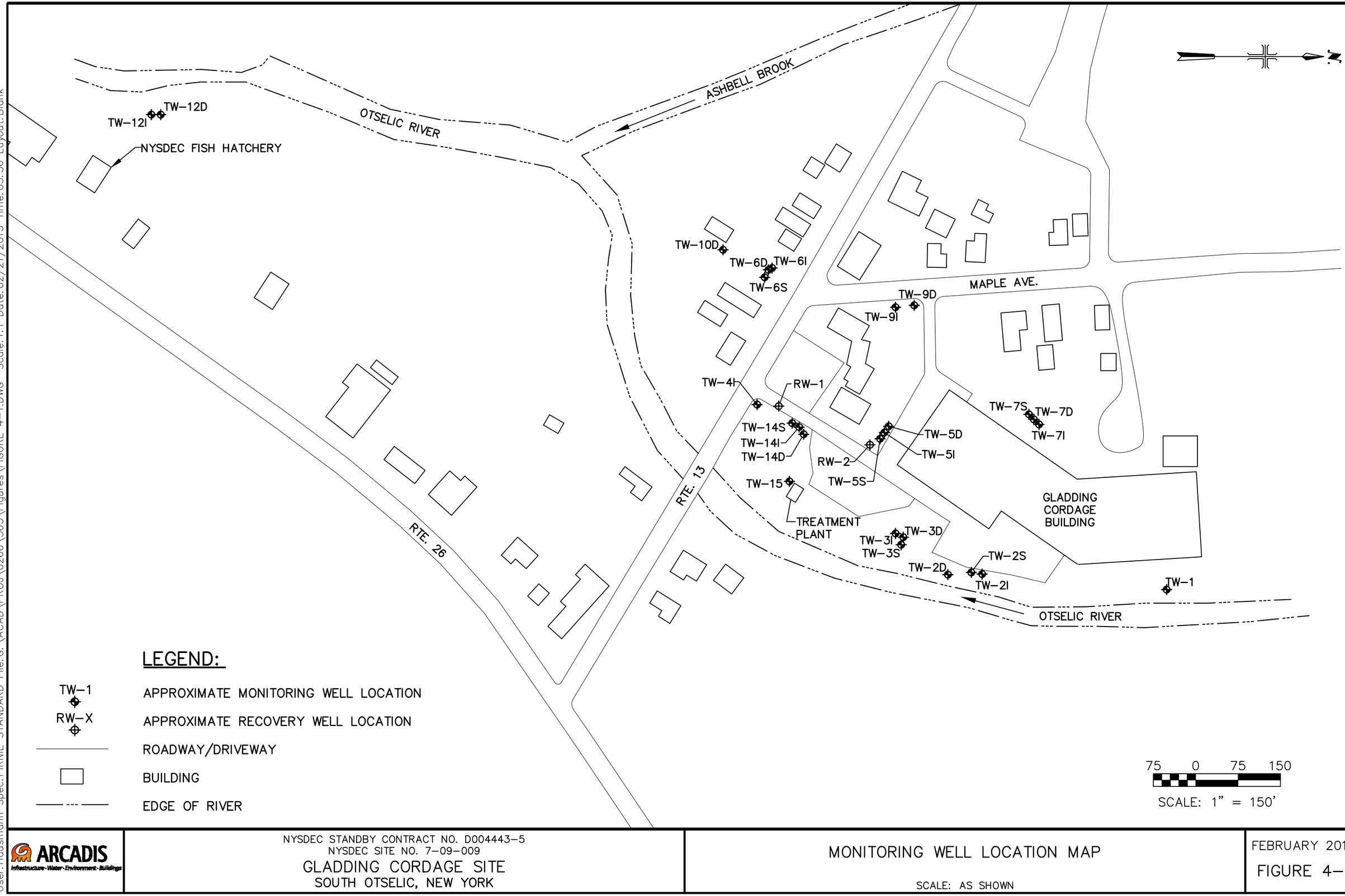
Figure 3-1
Treatment System Influent Sample Concentrations (1,1,1-TCA)
Gladding Cordage Site
NYSDEC Site Number 7-09-009





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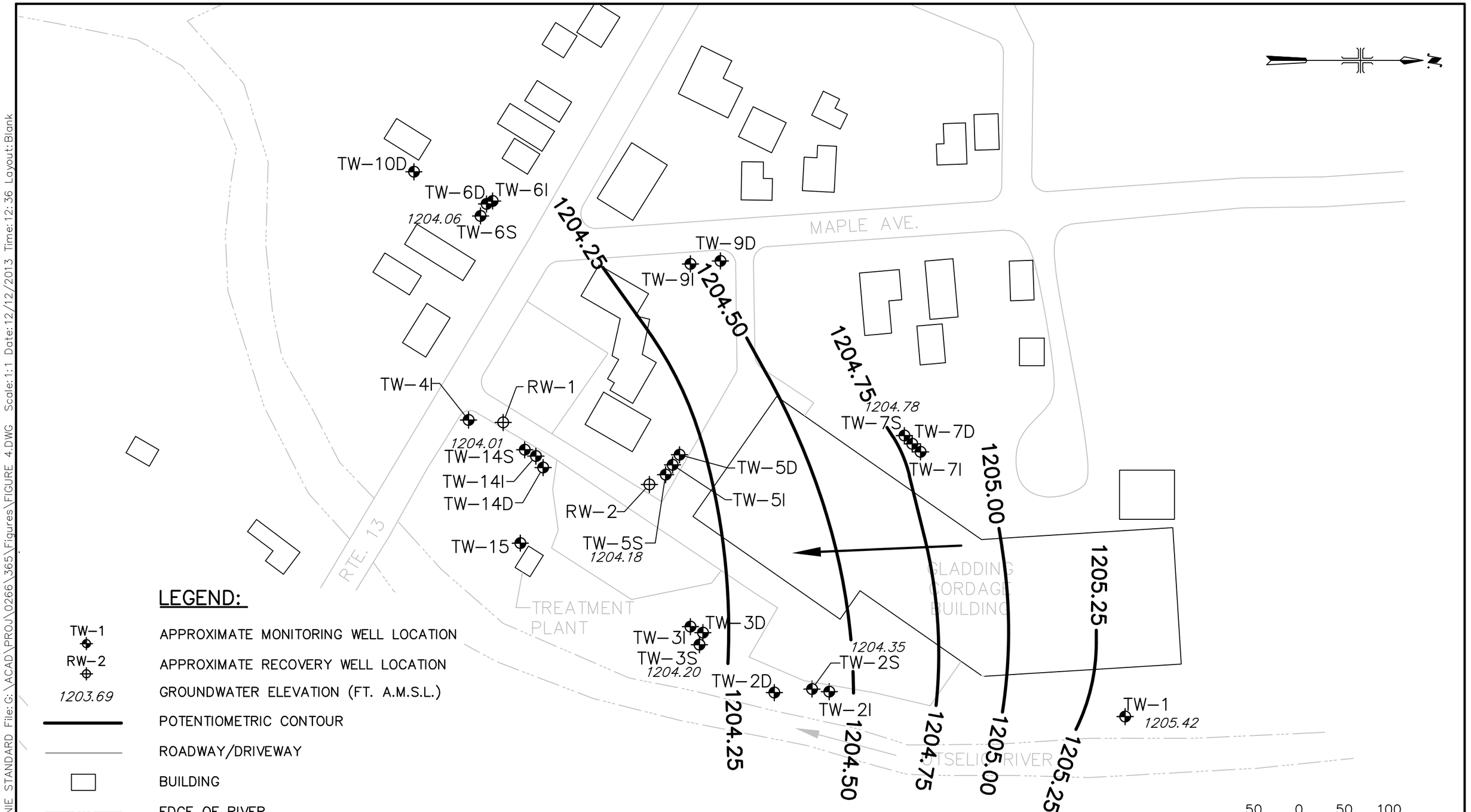
NYSDEC STANDBY CONTRACT NO. D004443-5
NYSDEC SITE NO. 7-09-009
GLADDING CORDAGE SITE
SOUTH OTSELIC, NEW YORK

MONITORING WELL LOCATION MAP

SCALE: AS SHOWN

FEBRUARY 2013
FIGURE 4-1



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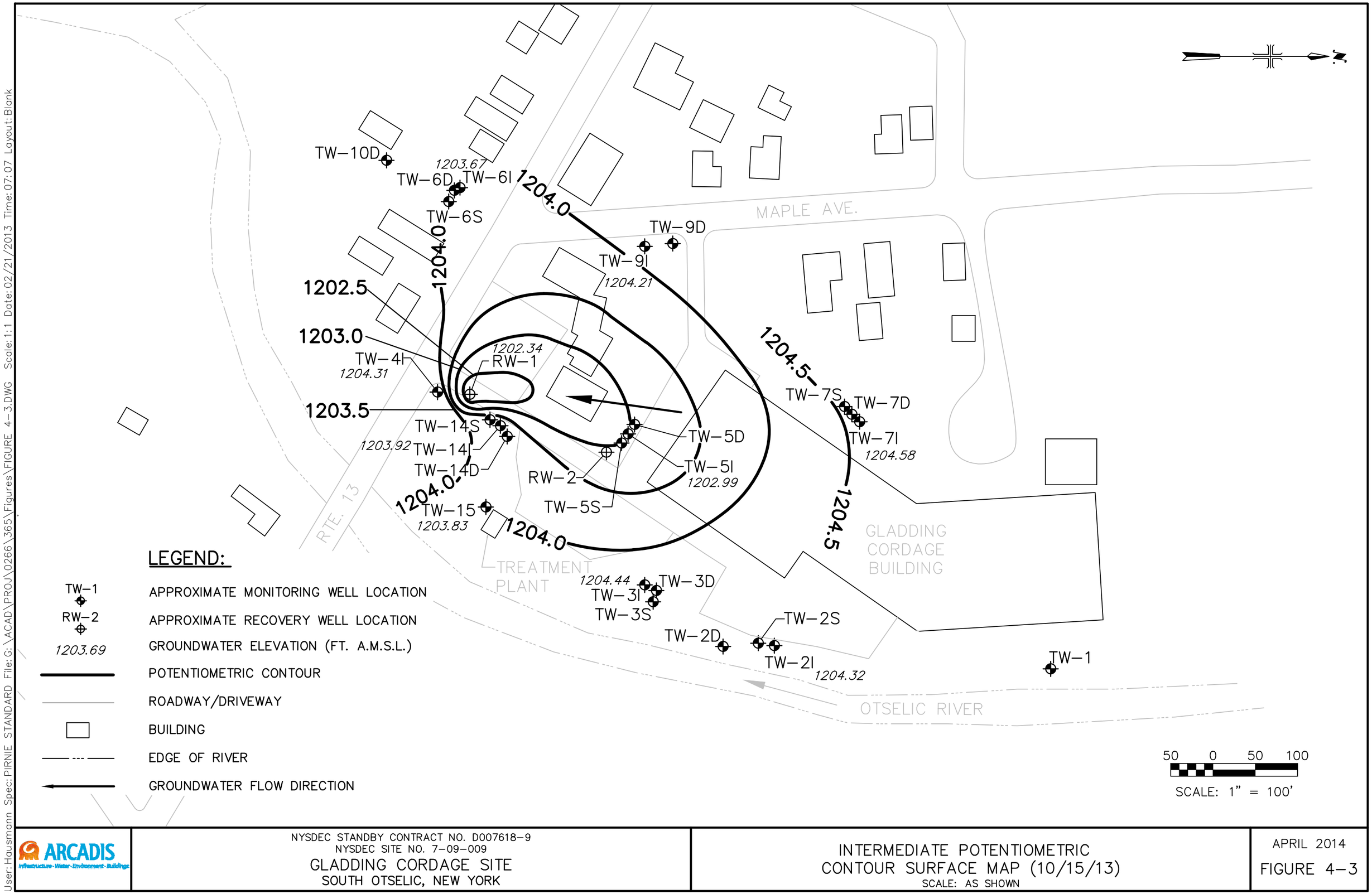
NYSDEC STANDBY CONTRACT NO. D007618-9
NYSDEC SITE NO. 7-09-009
GLADDING CORDAGE SITE
SOUTH OTSELIC, NEW YORK

SHALLOW POTENTIOMETRIC CONTOUR SURFACE MAP (10/15/13)
SCALE: AS SHOWN

APRIL 2014
FIGURE 4-2



User: Hausmann Spec: PIRNIE STANDARD File: G:\ACAD\PROJ\0266\365\Figures\FIGURE 4-3.DWG Scale: 1:1 Date: 02/21/2013 Time: 07:07 Layout: Blank

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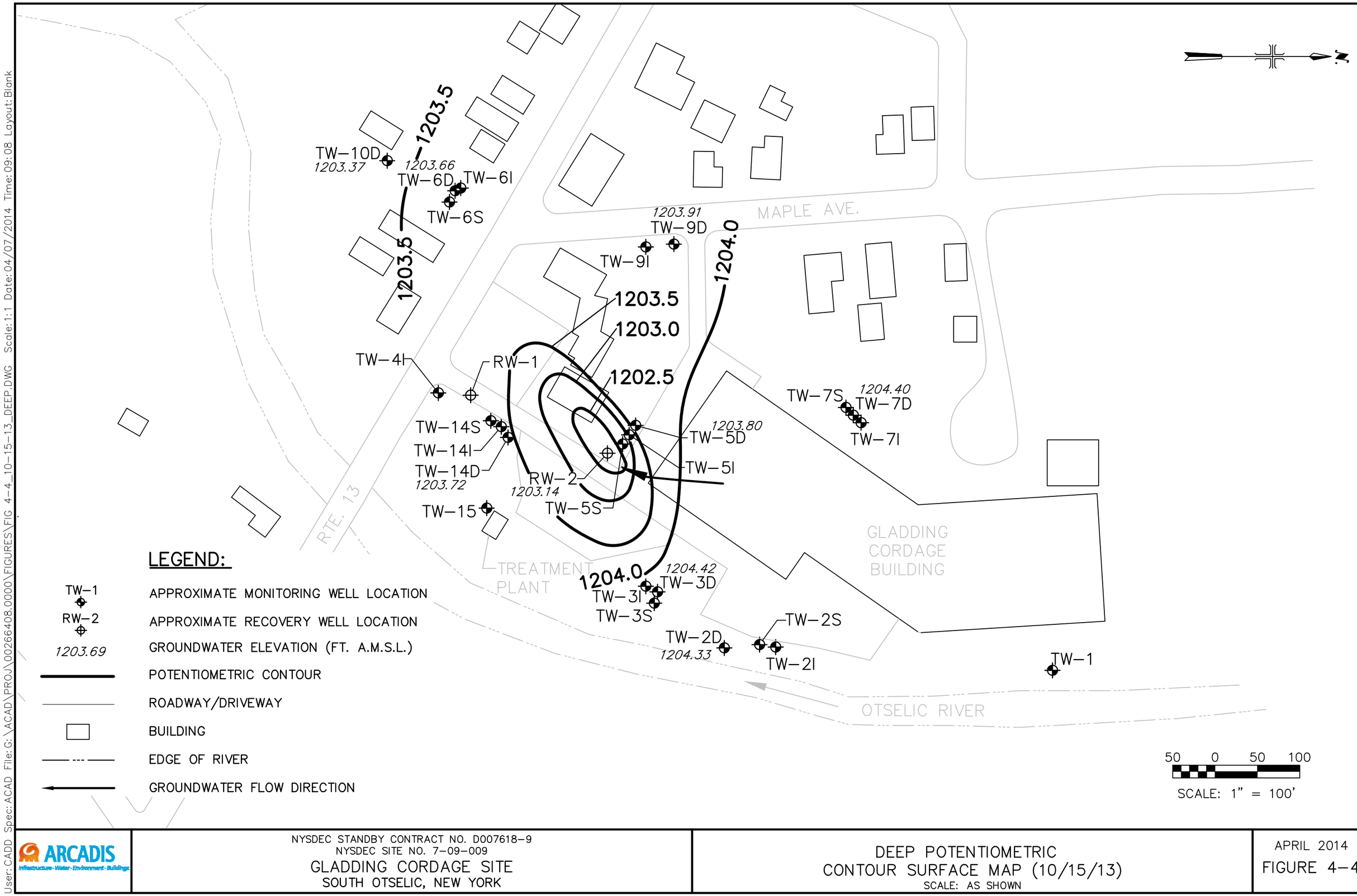
NYSDEC STANDBY CONTRACT NO. D007618–9
NYSDEC SITE NO. 7–09–009
GLADDING CORDAGE SITE
SOUTH OTSELIC, NEW YORK

INTERMEDIATE POTENTIOMETRIC
CONTOUR SURFACE MAP (10/15/13)
SCALE: AS SHOWN

APRIL 2014
FIGURE 4–3



LEGEND:

- TW–1 — APPROXIMATE MONITORING WELL LOCATION
- RW–2 — APPROXIMATE RECOVERY WELL LOCATION
- 1203.69 — GROUNDWATER ELEVATION (FT. A.M.S.L.)
- POTENTIOMETRIC CONTOUR
- ROADWAY/DRIVEWAY
- BUILDING
- EDGE OF RIVER
- GROUNDWATER FLOW DIRECTION

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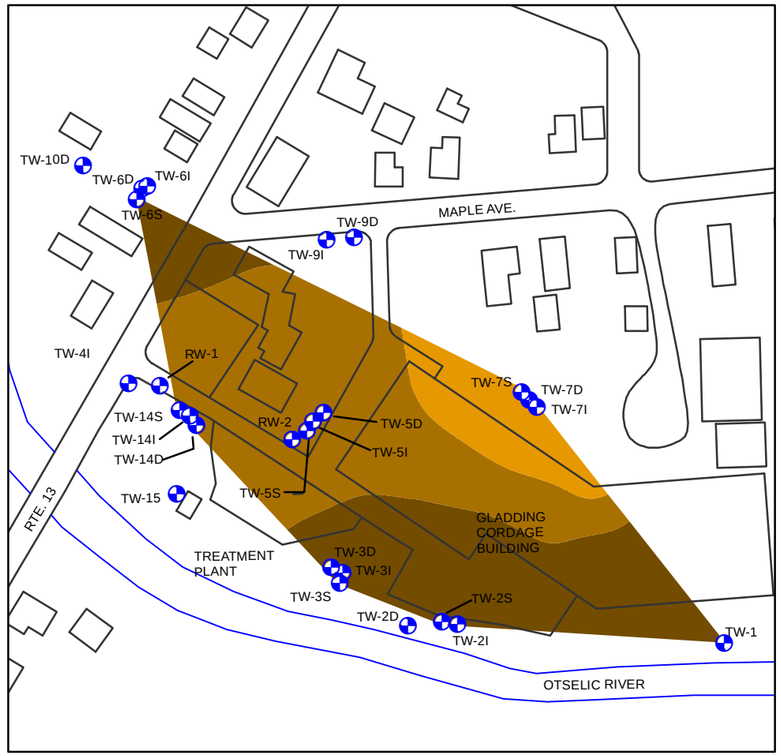
NYSDEC STANDBY CONTRACT NO. D007618–9
NYSDEC SITE NO. 7–09–009
GLADDING CORDAGE SITE
SOUTH OTSELIC, NEW YORK

DEEP POTENTIOMETRIC
CONTOUR SURFACE MAP (10/15/13)
SCALE: AS SHOWN

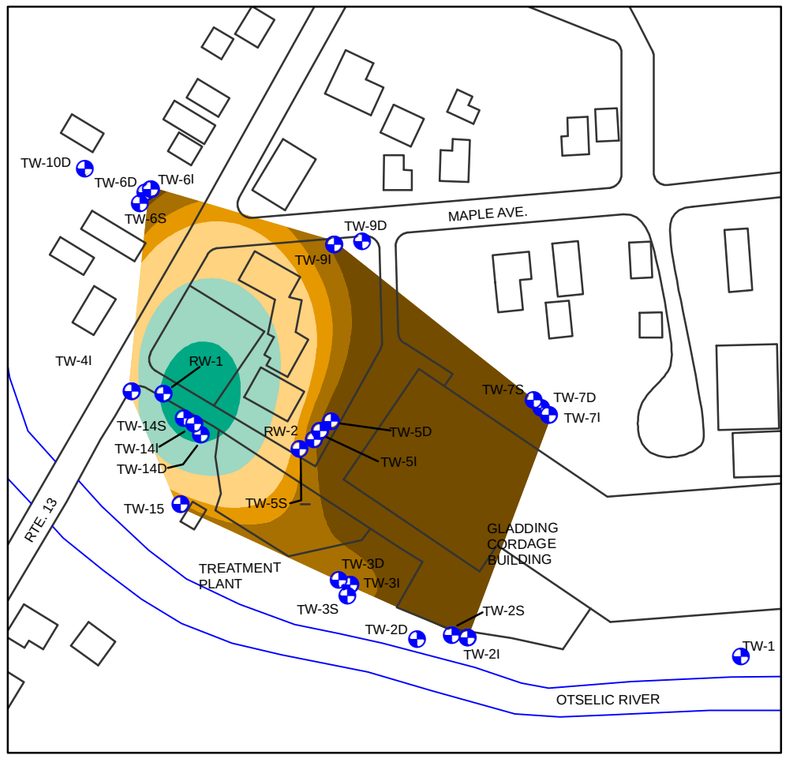
APRIL 2014
FIGURE 4–4

N

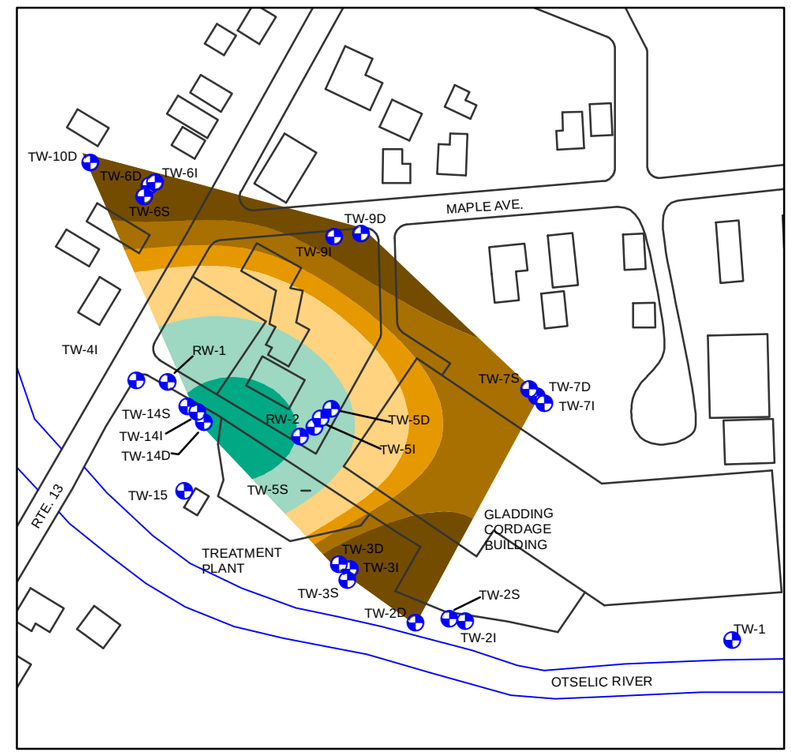
SHALLOW



INTERMEDIATE



DEEP



0 100 200 400 600 800 Feet

Legend

1,1,1-Trichloroethane Concentrations (ug/L)

- 0 - 5
- 5 - 10
- 10 - 15
- 15 - 30
- 30 - 50
- 50 - 59

GLADDING CORDAGE SITE NUMBER 7-09-009
SOUTH OTSELIC, NEW YORK

REMEDIAL INVESTIGATION

GROUNDWATER 1,1,1-TRICHLOROETHANE CONCENTRATIONS

OCTOBER 29, 2013

ARCADIS

FIGURE **4-5**

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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)
August-07	8 (1)	100%	100%	100%	38	24	-		437,760 (3)	276,480 (3)	714,240	
September-07	30	100%	100%	100%	38	25	-		1,641,600 (3)	1,080,000 (3)	2,721,600	3,435,840
October-07	20	65%	100%	100%	38.2	25.7	2,276,270		1,100,160 (3)	740,160 (3)	1,840,320	
November-07	30	100%	67%	100%	39.9	24.9 (2)	3,235,110		958,840 (4)	1,075,680 (3)	2,034,520	6,172,646
December-07	31	100%	39%	100%	31.8	24.9 (2)	4,421,380		1,186,270 (4)	1,111,536 (3)	2,297,806	
January-08	31	100%	100%	100%	31.8	24.9 (2)	5,278,000		856,620 (4)	1,111,536 (3)	1,968,156	
February-08	26	90%	69%	88%	32	24.9 (2)	6,457,610		1,179,610 (4)	820,385 (3)	1,999,995	5,503,499
March-08	23	74%	100%	100%	32.9	24.9 (2)	7,168,270		710,660 (4)	824,688 (3)	1,535,348	
April-08	30	100%	100%	100%	30.8	24.9 (2)	8,219,790		1,051,520 (4)	1,075,680 (3)	2,127,200	
May-08	31	100%	100%	100%	31.3	24.9 (2)	9,458,370		1,238,580 (4)	1,111,536 (3)	2,350,116	6,846,908
June-08	27	90%	100%	100%	30.5	24.9 (2)	10,859,850		1,401,480 (4)	968,112 (3)	2,369,592	
July-08	28	90%	68%	100%	30.1	24.9 (2)	11,889,440		1,029,590 (4)	1,003,968 (3)	2,033,558	
August-08	28	90%	100%	100%	30	24.9 (2)	12,832,500		943,060 (4)	1,003,968 (3)	1,947,028	6,201,456
September-08	30	100%	100%	100%	29.8	24.9 (2)	13,977,690		1,145,190 (4)	1,075,680 (3)	2,220,870	
October-08	31	100%	100%	100%	30	24.9 (2)	15,190,100		1,212,410 (4)	1,111,536 (3)	2,323,946	
November-08	30	100%	100%	100%	31.7	24.9 (2)	16,722,470		1,532,370 (4)	1,075,680 (3)	2,608,050	7,494,552
December-08	31	100%	100%	100%	31.3	24.9 (2)	18,173,490		1,451,020 (4)	1,111,536 (3)	2,562,556	
Total Flow 2007									**5,324,630**	**4,283,856**	**9,608,486**	
Total Flow 2008									**13,752,110**	**12,294,305**	**26,046,415**	

Notes:
1 - System started on 8/23/07.
2 - Flow meter inoperative. Flow based on average flow from August, September, and October 2008.
3 - Calculated based on percentage of system on-time, flow rate, and percentage of recovery well on-time.
4 - Calculated from totalizer values.
gpm - Gallons per minute

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-09	31	100%	100%	100%	31.3	24.9 (2)	19,566,200		1,392,710 (4)	1,111,536 (3)	2,504,246	
February-09	28	100%	100%	100%	30.8	24.9 (2)	20,929,320		1,363,120 (4)	1,003,968 (3)	2,367,088	6,931,910
March-09	31	100%	100%	100%	30.8	24.9 (2)	21,878,360		949,040 (4)	1,111,536 (3)	2,060,576	
April-09	30	100%	100%	100%	31.2	24.9 (2)	23,159,480		1,281,120 (4)	1,075,680 (3)	2,356,800	
May-09	31	100%	100%	100%	31.5	24.9 (2)	25,128,390		1,968,910 (4)	1,111,536 (3)	3,080,446	8,217,156
June-09	30	100%	100%	100%	31.1	24.9 (2)	26,832,620		1,704,230 (4)	1,075,680 (3)	2,779,910	
July-09	28	90%	100%	100%	30.4	24.9 (2)	27,568,640		736,020 (4)	1,003,968 (3)	1,739,988	
August-09	29	94%	100%	100%	30.6	24.9 (2)	28,551,120		982,480 (4)	1,039,824 (3)	2,022,304	5,833,432
September-09	30	100%	100%	100%	30.3	24.9 (2)	29,546,580		995,460 (4)	1,075,680 (3)	2,071,140	
October-09	20	65%	100%	100%	34.1	24.9 (2)	30,909,620		1,363,040 (4)	717,120 (3)	2,080,160	
November-09	29	97%	100%	100%	31.7	24.9 (2)	31,775,760		866,140 (4)	1,039,824 (3)	1,905,964	6,228,096
December-09	27	87%	100%	100%	33.7	24.9 (2)	33,049,620		1,273,860 (4)	968,112 (3)	2,241,972	
January-10	31	100%	100%	100%	29.2	24.9 (2)	34,376,810		1,327,190 (4)	1,111,536 (3)	2,438,726	
February-10	28	100%	100%	100%	34.8	24.9 (2)	36,406,400		2,029,590 (4)	1,003,968 (3)	3,033,558	7,478,090
March-10	31	100%	100%	100%	33	24.9 (2)	37,300,670		894,270 (4)	1,111,536 (3)	2,005,806	
April-10	26	87%	100%	100%	35.2	24.9 (2)	38,443,930		1,143,260 (4)	932,256 (3)	2,075,516	
May-10	28	90%	36%	100%	35.2	24.9 (2)	38,734,170		290,240 (4)	1,003,968 (3)	1,294,208	3,981,724
June-10	17	57%	0%	100%	0	25 (2)	38,734,170		0 (4)	612,000 (3)	612,000	
July-10	18	58%	0%	100%	0	24.9 (2)	NA		0 (3)	645,408 (3)	645,408	
August-10	23	74%	0%	100%	0	24.9 (2)	NA		0 (3)	824,688 (3)	824,688	4,034,736
September-10	30	100%	100%	100%	34.5 (2)	24.9 (2)	NA		1,488,960 (3)	1,075,680 (3)	2,564,640	
October-10	31	100%	100%	90%	33.4 (2)	24.9 (2)	NA		1,489,302 (3)	1,000,382 (3)	2,489,684	
November-10	30	100%	100%	100%	33.4 (2)	24.9 (2)	NA		1,441,260 (3)	1,075,680 (3)	2,516,940	7,271,870
December-10	27	87%	100%	100%	33.4 (2)	24.9 (2)	NA		1,297,134 (3)	968,112 (3)	2,265,246	
Total Flow 2009									**14,876,130**	**12,334,464**	**27,210,594**	
Total Flow 2010									**11,401,206**	**11,365,214**	**22,766,420**	

Notes:
1 - System started on 8/23/07.
2 - Flow meter inoperative. Flow based on previous average flows or from manual tests.
3 - Calculated based on percentage of system on-time, flow rate, and percentage of recovery well on-time.
4 - Calculated from totalizer values.
gpm - Gallons per minute

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-11	31	100%	100%	100%	33.4 (2)	24.9 (2)			1,489,302 (3)	1,111,536 (3)	2,600,838	
February-11	20	71%	100%	100%	33.4 (2)	24.9 (2)			960,840 (3)	717,120 (3)	1,677,960	6,292,350
March-11	24	77%	100%	100%	33.4 (2)	24.9 (2)			1,153,008 (3)	860,544 (3)	2,013,552	
April-11	27	90%	100%	100%	33.36 (2)	24.9 (2)			1,297,134 (3)	968,112 (3)	2,265,246	
May-11	28	90%	100%	100%	33.36 (2)	24.9 (2)			1,345,176 (3)	1,003,968 (3)	2,349,144	6,544,044
June-11	23	77%	100%	100%	33.36 (2)	24.9 (2)			1,104,966 (3)	824,688 (3)	1,929,654	
July-11	6	19%	100%	100%	33.4 (2)	24.9 (2)			288,576 (3)	215,136 (3)	503,712	
August-11	31	100%	100%	100%	33.4 (2)	24.9 (2)			1,490,976 (3)	1,111,536 (3)	2,602,512	5,592,514
September-11	30	100%	100%	97%	33.4 (2)	24.9 (2)			1,442,880 (3)	1,043,410 (3)	2,486,290	
October-11	28	90%	100%	54%	33.4 (2)	24.9 (2)			1,346,688 (3)	542,143 (3)	1,888,831	
November-11	30	100%	100%	100%	33.4 (2)	24.9 (2)			1,442,880 (3)	1,075,680 (3)	2,518,560	7,009,903
December-11	31	100%	100%	100%	33.4 (2)	24.9 (2)			1,490,976 (3)	1,111,536 (3)	2,602,512	
January-12	30	97%	100%	100%	22.7 (6)	18.0 (6)			980,640 (3)	777,600 (3)	1,758,240	
February-12	0 (5)	0%	0%	0%	0	0	0	0	0	0	0	2,311,830
March-12	10	32%	100%	100%	22.7	18.0	308,309	245,281	308,309 (4)	245,281 (4)	553,590	
April-12	30	100%	100%	100%	22.2	18.2	1,274,180	1,027,406	965,871 (4)	782,125 (4)	1,747,996	
May-12	26	84%	100%	100%	22.8	20.3	2,156,600	1,773,905	882,420 (4)	746,499 (4)	1,628,919	5,130,889
June-12	26	87%	100%	100%	23.6	19.9	3,100,285	2,584,194	943,685 (4)	810,289 (4)	1,753,974	
July-12	20	65%	100%	100%	23.8	19.7	3,770,411	3,157,520	670,126 (4)	573,326 (4)	1,243,452	
August-12	31	100%	100%	100%	23.7	19.4	5,092,016	4,262,219	1,321,605 (4)	1,104,699 (4)	2,426,304	5,540,244
September-12	30	100%	100%	100%	23.5	20.1	6,104,443	5,120,280	1,012,427 (4)	858,061 (4)	1,870,488	
October-12	16	52%	100%	100%	23.4	20.3	6,676,877	5,607,870	572,434 (4)	487,590 (4)	1,060,024	
November-12	30	100%	100%	100%	23.6	19.6	7,769,986	6,536,938	1,093,109 (4)	929,068 (4)	2,022,177	3,956,859
December-12	17	55%	100%	100%	24.3	19.7	8,250,333	6,931,249	480,347 (3)	394,311 (3)	874,658	
Total Flow 2011									**14,853,402**	**10,585,408**	**25,438,810**	
Total Flow 2012									**9,230,973**	**7,708,849**	**16,939,822**	

Notes:
1 - System started on 8/23/07.
2 - Flow meter inoperative. Flow based on previous average flows or from manual tests.
3 - Calculated based on percentage of system on-time, flow rate, and percentage of recovery well on-time.
4 - Calculated from totalizer values.
5 - System shut down for repairs.
6 - Flow based on March 2012 PLC data.
gpm - Gallons per minute

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-13	26	84%	100%	100%	23.1	19.5	9,140,834	7,699,661	890,501	768,412	1,658,913	
February-13	28	100%	100%	100%	22.7	19.4	10,078,542	8,496,541	937,708	796,880	1,734,588	5,239,914
March-13	31	100%	100%	100%	23.2	19.6	11,077,204	9,344,292	998,662	847,751	1,846,413	
April-13	27	90%	100%	100%	23.4	19.7	11,750,528	9,913,754	673,324	569,462	1,242,786	
May-13	30	97%	100%	100%	24.2	19.4	12,984,742	10,944,208	1,234,214	1,030,454	2,264,668	5,371,547
June-13	31	100%	100%	100%	23.2	19.6	14,002,162	11,790,881	1,017,420	846,673	1,864,093	
July-13	26	84%	100%	100%	23.8	19.3	14,893,234	12,513,473	891,072	722,592	1,613,664	
August-13	19	61%	100%	100%	22.9	19.4	15,519,778	13,044,257	626,544	530,784	1,157,328	4,241,225
September-13	20	67%	100%	100%	21.7	19.7	16,291,084	13,743,184	771,306	698,927	1,470,233	
October-13	13	42%	100%	100%	21.3	20.0	16,558,269	14,001,381	267,185	258,197	525,382	
November-13	30	100%	100%	100%	21.6	22.6	17,493,334	14,962,574	935,065	961,193	1,896,258	3,722,666
December-13	20	65%	100%	100%	21.3	22.3	18,132,181	15,624,753	638,847	662,179	1,301,026	
Total Flow 2013									**9,881,848**	**8,693,504**	**18,575,352**	

Notes:
1 - System started on 8/23/07.
2 - Flow meter inoperative. Flow based on previous average flows or from manual tests.
3 - Calculated based on percentage of system on-time, flow rate, and percentage of recovery well on-time.
4 - Calculated from totalizer values.
5 - System shut down for repairs.
6 - Flow based on March 2012 PLC data.
gpm - Gallons per minute

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

Sample ID Sampling Date Matrix Units	NYSDEC Class GA Standard ug/L	RW-1 12/24/2012 WATER ug/L	RW-1 1/29/2013 WATER ug/L	RW-1 2/28/2013 WATER ug/L	RW-1 3/27/2013 WATER ug/L	RW-1 4/23/2013 WATER ug/L	RW-1 5/24/2013 WATER ug/L	RW-1 6/25/2013 WATER ug/L	RW-1 7/16/2013 WATER ug/L	RW-1 8/15/2013 WATER ug/L	RW-1 9/23/2013 WATER ug/L	RW-1 10/29/2013 WATER ug/L	RW-1 11/15/2013 WATER ug/L	RW-1 12/20/2013 WATER ug/L
VOCs														
1,1,1-Trichloroethane	5	**40**	**42**	**41**	**40**	**42**	**39**	**48**	**51**	**46**	**43**	**53**	**40**	**42**
1,1,2,2-Tetrachloroethane	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,1,2-Trichloroethane	1	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,1-Dichloroethane	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	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	1.7
1,2-Dichlorobenzene	3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichloroethane	0.6	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichloropropane	1	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,3-Dichlorobenzene	3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,4-Dichlorobenzene	3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2-Chloroethyl Vinyl Ether		10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Benzene	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Bromoform	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Bromomethane	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	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	2.0 U
Chlorobenzene	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloroethane	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloroform	7	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloromethane		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
cis-1,3-Dichloropropene	0.4	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Dibromochloromethane	50	2.0 U	2.0	2.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Ethyl Benzene	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
m/p-Xylenes	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methyl tert-butyl Ether		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methylene Chloride	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
o-Xylene		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Tetrachloroethene	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Toluene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
trans-1,3-Dichloropropene	0.4	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	5.0 U	5.0 U	2.0 U	5.0 U	5.0 U
Trichloroethene	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Trichlorofluoromethane	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Vinyl Chloride	2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total VOCs		40.0	42.0	41.0	40.0	42.0	39.0	48.0	51.0	46.0	43.0	53.0	40.0	43.7

- Concentration exceeds corresponding NYSDEC Class GA Standard.

U - Not detected at the indicated concentration

J - Estimated concentration.

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

Sample ID Sampling Date Matrix Units	NYSDEC Class GA Standard ug/L	RW-2 12/24/2012 WATER ug/L	RW-2 1/29/2013 WATER ug/L	RW-2 2/28/2013 WATER ug/L	RW-2 3/27/2013 WATER ug/L	RW-2 4/23/2013 WATER ug/L	RW-2 5/24/2013 WATER ug/L	RW-2 6/25/2013 WATER ug/L	RW-2 7/16/2013 WATER ug/L	RW-2 8/15/2013 WATER ug/L	RW-2 9/23/2013 WATER ug/L	RW-2 10/29/2013 WATER ug/L	RW-2 11/15/2013 WATER ug/L	RW-2 12/20/2013 WATER ug/L
VOCs														
1,1,1-Trichloroethane	5	**38**	**28**	**35**	**33**	**36**	**41**	**42**	**58**	**42**	**50**	**49**	**36**	**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	2.0 U
1,1,2-Trichloroethane	1	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,1-Dichloroethane	5	2.0 U	2.0 U	2.0 U	2.0 U	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
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	0.69
1,2-Dichlorobenzene	3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichloroethane	0.6	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,2-Dichloropropane	1	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,3-Dichlorobenzene	3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,4-Dichlorobenzene	3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
2-Chloroethyl Vinyl Ether		10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Benzene	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Bromoform	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Bromomethane	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	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	2.0 U
Chlorobenzene	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloroethane	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloroform	7	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloromethane		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
cis-1,3-Dichloropropene	0.4	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Dibromochloromethane	50	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Ethyl Benzene	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
m/p-Xylenes	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methyl tert-butyl Ether		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methylene Chloride	5	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
o-Xylene		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Tetrachloroethene	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Toluene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
trans-1,3-Dichloropropene	0.4	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	5.0 U	5.0 U	2.0 U	5.0 U	5.0 U
Trichloroethene	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Trichlorofluoromethane	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Vinyl Chloride	2	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Total VOCs		38.0	28.0	35.0	33.0	36.0	41.0	42.0	58.0	42.0	50.0	49.0	36.0	36.5

- Concentration exceeds corresponding NYSDEC Class GA Standard.

U - Not detected at the indicated concentration

J - Estimated concentration.

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

Sample ID Sampling Date Matrix Units	NYSDEC GA Standard ug/L	EFF(46HZ) 12/24/2012 WATER ug/L	EFF(46HZ) 1/29/2013 WATER ug/L	EFF(46HZ) 2/28/2013 WATER ug/L	EFF(46HZ) 3/27/2013 WATER ug/L	EFF(46HZ) 4/23/2013 WATER ug/L	EFF(46HZ) 5/24/2013 WATER ug/L	EFF(46HZ) 6/25/2013 WATER ug/L
VOCs								
1,1,1-Trichloroethane	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
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
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
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
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
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
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
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
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
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-Chloroethyl Vinyl Ether		10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Benzene	1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	50	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
Bromomethane	5	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
Chlorobenzene	5	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
Chloroform	7	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Chloromethane		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
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
Dibromochloromethane	50	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
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
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
Methylene Chloride	5	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
Tetrachloroethene	5	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
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
trans-1,3-Dichloropropene	0.4	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Trichloroethene	5	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
Vinyl Chloride	2	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 3-4
SUMMARY OF GROUNDWATER TREATMENT SYSTEM VOCS (EFFLUENT)
GLADDING CORDAGE
SOUTH OTSELIC, NEW YORK
NYSDEC Site No. 7-09-009

Sample ID Sampling Date Matrix Units	NYSDEC GA Standard ug/L	EFF(46HZ) 7/16/2013 WATER ug/L	EFF(46HZ) 8/15/2013 WATER ug/L	EFF(46HZ) 9/23/2013 WATER ug/L	EFF(46HZ) 10/29/2013 WATER ug/L	EFF(46HZ) 11/15/2013 WATER ug/L	EFF(46HZ) 12/20/2013 WATER ug/L
VOCs							
1,1,1-Trichloroethane	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
1,1,2,2-Tetrachloroethane	5	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
1,1-Dichloroethane	5	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
1,2-Dichlorobenzene	3	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
1,2-Dichloropropane	1	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
1,4-Dichlorobenzene	3	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	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Benzene	1	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
Bromoform	50	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
Carbon Tetrachloride	5	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
Chloroethane	5	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
Chloromethane		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
cis-1,3-Dichloropropene	0.4	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Dibromochloromethane	50	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
m/p-Xylenes	5	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
Methylene Chloride	5	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
Tetrachloroethene	5	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
trans-1,2-Dichloroethene	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
trans-1,3-Dichloropropene	0.4	2.0 U	5.0 U	5.0 U	2.0 U	5.0 U	5.0 U
Trichloroethene	5	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
Vinyl Chloride	2	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	
			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
TW-2S	Shallow	1212.57 [4]	8.48	1204.09	8.84	1203.73	8.22	1204.35
TW-2I	Intermediate	1212.16 [4]	8.07	1204.09	8.51	1203.65	7.84	1204.32
TW-2D	Deep	1212.26 [4]	8.24	1204.02	8.48	1203.78	7.93	1204.33
TW-3S	Shallow	1213.60	9.74	1203.86	9.91	1203.69	9.40	1204.20
TW-3I	Intermediate	1213.19	9.10	1204.09	9.5	1203.69	8.75	1204.44
TW-3D	Deep	1213.47	9.38	1204.09	9.75	1203.72	9.05	1204.42
TW-4I	Intermediate	1209.96 [2]	6.75	1203.21	7.16	1202.80	5.65	1204.31
TW-5S	Shallow	1211.78	7.93	1203.85	8.38	1203.40	7.60	1204.18
TW-5I	Intermediate	1211.89	8.29	1203.60	8.76	1203.13	8.90	1202.99
TW-5D	Deep	1212.55	9.11	1203.44	9.63	1202.92	8.75	1203.80
TW-6S	Shallow	1210.08 [5]	6.38	1203.70	6.62	1203.46	6.02	1204.06
TW-6I	Intermediate	1210.61 [5]	7.26	1203.35	7.74	1202.87	6.94	1203.67
TW-6D	Deep	1210.36 [5]	7.01	1203.35	7.49	1202.87	6.70	1203.66
TW-7S	Shallow	1213.48	8.83	1204.65	8.5	1204.98	8.70	1204.78
TW-7I	Intermediate	1213.60	9.33	1204.27	9.85	1203.75	9.02	1204.58
TW-7D	Deep	1213.25	9.05	1204.20	9.68	1203.57	8.85	1204.40
TW-9I	Intermediate	1213.75 [4]	9.80	1203.95	10.58	1203.17	9.54	1204.21
TW-9D	Deep	1213.84 [4]	10.11	1203.73	10.78	1203.06	9.93	1203.91
TW-10D	Deep	1209.58 [5]	6.45	1203.13	6.94	1202.64	6.21	1203.37
TW-12I	Intermediate	-	-	-	7.88	-	7.10	-
TW-12D	Deep	-	-	-	7.9	-	7.13	-
TW-14S	Shallow	1210.05 [2]	6.46	1203.59	6.79	1203.26	6.04	1204.01
TW-14I	Intermediate	1210.17 [2]	6.95	1203.22	7.29	1202.88	6.25	1203.92
TW-14D	Deep	1209.98 [2]	6.64	1203.34	7.05	1202.93	6.26	1203.72
TW-15	Intermediate	1212.94 [2]	9.94	1203.00	9.72	1203.22	9.11	1203.83

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	
				Pumping Level (ft above transducer)	Elevation (ft amsl)
RW-1	1209.30	40	1169.30	33.04	1202.34
RW-2	1212.20	65	1147.20	54.94	1202.14

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-3I 9/6/2007 WATER ug/L	TW-3I 10/17/2008 WATER ug/L	TW-3I 6/25/2009 WATER ug/L	TW-3I 3/23/2010 WATER ug/L
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	**9.1**	**6.7**	0.4 U	1 U
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	0.38 U	1 U	0.36 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	0.42 U	1 U	0.47 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		1.1 U	5 U	1.3 U	5 U
Acetone	50	10	11	9.5	19	2.3 U	5 U	13	14	**64**	12		2.3 U	5 U	16	13
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	0.39 U	1 U	0.32 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	0.83 U	1 U	0.66 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	0.33 U	1 U	0.34 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	0.34 U	1 U	0.54 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		0.29 U	1 U	0.35 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	0.48 U	1 U	0.27 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	0.36 U	1 U	0.37 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	0.46 U	1 U	0.28 U	1 U

Notes

- Concentration exceeds corresponding NYSDEC Class GA Standard.

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

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

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

D - Sample dilluted

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

Blank space indicates sample not analyzed for that compund

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 6/21/2011 WATER ug/L	TW-3I 7/24/2012 WATER ug/L	TW-3I 10/29/2013 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-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
VOCs																
1,1,1-Trichloroethane	5	1 U	**5**	**6.1**	0.32 U	1.3	1.4	1 U	1 U	1.2	2 U	**6.6**	1.1	0.4 U	**23**	**33**
1,1-Dichloroethane	*	1 U	0.5 U	2 U	0.38 U	1 U	0.36 U	1 U	1 U	0.5 U	2 U	0.38 U	3.8	3.8	2.5	**5.3**
1,1-Dichloroethene	5	1 U	0.5 U	2 U	0.42 U	1 U	0.47 U	1 U	1 U	0.5 U	2 U	0.42 U	1 U	0.47 U	1 U	1.6
2-Butanone	50	5 U	2.6 J		1.1 U	5 U	1.3 U	5 U	5 U	2.7 J		1.1 U	5 U	1.3 U	5 U	5 U
Acetone	50	6	14		2.3 U	5 U	11	13	9.5	17		2.3 U	5 U	16	18	20
Benzene	1	1 U	0.5 U	1 U	0.39 U	1 U	0.32 U	0.76 J	1.9	0.67 J	1 U	0.39 U	1 U	0.32 U	1 U	1 U
Chloroethane	5	1 U	0.5 U	2 U	0.83 U	1 U	0.66 U	1 U	1 U	0.5 U	2 U	0.83 U	1 U	0.66 U	1 U	2.5
Chloroform	7	1 U	0.5 U	2 U	0.33 U	1 U	0.34 U	1 U	1 U	0.5 U	2 U	0.33 U	1 U	0.34 U	1 U	1 U
Chloromethane		1 U	0.5 U	2 U	0.34 U	1 U	0.54 U	1 U	1 U	0.5 U	2 U	0.34 U	1 U	0.54 U	1 U	1 U
cis-1,2-Dichloroethene	5	1 U	0.5 U		0.29 U	1 U	0.35 U	1 U	1 U	0.5 U		0.29 U	1 U	0.35 U	1 U	1 U
Tetrachloroethene	5	1 U	0.5 U	2 U	0.48 U	1 U	0.27 U	1 U	1 U	0.5 U	2 U	0.48 U	1 U	0.27 U	1 U	1 U
Toluene	5	1 U	0.5 U	1 U	0.36 U	1 U	0.37 U	1 U	1 U	0.5 U	1 U	0.36 U	1 U	0.37 U	1 U	1 U
Trichloroethene	5	1 U	0.5 U	2 U	0.46 U	1 U	0.28 U	1 U	1 U	0.5 U	2 U	0.46 U	1 U	0.28 U	1 U	1 U

Notes

- Concentration exceeds corresponding NYSDEC Class GA Standard.

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

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

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

D - Sample dilluted

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

Blank space indicates sample not analyzed for that compund

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

Sample ID Sampling Date Matrix Units	NYSDEC Class GA Standard ug/L	TW-4I 7/24/2012 WATER ug/L	TW-4I 10/29/2013 WATER ug/L	TW-5S 9/6/2007 WATER ug/L	TW-5S 10/17/2008 WATER ug/L	TW-5S 6/25/2009 WATER ug/L	TW-5S 3/23/2010 WATER ug/L	TW-5S 6/21/2011 WATER ug/L	TW-5S 7/24/2012 WATER ug/L	TW-5S 10/29/2013 WATER ug/L	TW-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
VOCs																
1,1,1-Trichloroethane	5	**28**	**23**	0.32 U	**11**	**13**	**7.4**	**7.9**	**11**	**7.9**	4.8 J	**8.8**	**90**	**8.6**	**5.5**	4.3
1,1-Dichloroethane	*	4.4	4.4	0.38 U	1 U	0.48 J	1 U	1 U	0.5 U	2 U	0.38 U	1	3.5	2.3	1.7	0.5 U
1,1-Dichloroethene	5	0.5 U	2 U	0.42 U	1 U	0.47 U	1 U	1 U	0.5 U	2 U	0.42 U	1 U	0.47 U	1 U	1 U	0.5 U
2-Butanone	50	2.2 J		1.1 U	5 U	1.3 U	5 U	5 U	2.7 J		1.1 U	5 U	1.3 U	5 U	5 U	2.3 J
Acetone	50	15		2.3 U	5 U	9.2	18	5 U	14		2.3 U	5 U	13	15	18	14
Benzene	1	0.5 U	1 U	0.39 U	1 U	0.32 U	1 U	1 U	0.5 U	1 U	**6.2**	**3.5**	0.32 U	**32**	1 U	**4.8**
Chloroethane	5	2.8	2.3	0.83 U	1 U	0.66 U	1 U	1 U	0.5 U	2 U	0.83 U	1 U	0.66 U	1 U	1 U	0.5 U
Chloroform	7	0.5 U	2 U	0.33 U	1 U	0.34 U	1 U	1 U	0.5 U	2 U	0.33 U	1 U	0.34 U	1 U	1 U	0.5 U
Chloromethane		0.5 U	2 U	0.34 U	1 U	0.54 U	1 U	1 U	0.5 U	2 U	0.34 U	1 U	0.54 U	1 U	1 U	0.43 J
cis-1,2-Dichloroethene	5	0.5 U		0.29 U	1 U	0.35 U	1 U	1 U	0.5 U		0.29 U	1 U	0.35 U	1 U	1 U	0.5 U
Tetrachloroethene	5	0.5 U	2 U	0.48 U	1 U	0.27 U	1 U	1 U	0.5 U	2 U	0.48 U	1 U	0.27 U	1 U	1 U	0.5 U
Toluene	5	0.5 U	1 U	0.36 U	1 U	0.37 U	1 U	1 U	0.5 U	1 U	0.36 U	1 U	0.37 U	0.63 J	1 U	0.44 J
Trichloroethene	5	0.5 U	2 U	0.46 U	1 U	0.28 U	1 U	1 U	0.5 U	2 U	0.46 U	1 U	0.28 U	1 U	1 U	0.5 U

Notes

- Concentration exceeds corresponding NYSDEC Class GA Standard.

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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-5I 10/29/2013 WATER ug/L	TW-5D 9/6/2007 WATER ug/L	TW-5D 10/17/2008 WATER ug/L	TW-5D 6/25/2009 WATER ug/L	TW-5D 3/23/2010 WATER ug/L	TW-5D 6/21/2011 WATER ug/L	TW-5D 7/24/2012 WATER ug/L	TW-5D 10/29/2013 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
VOCs																
1,1,1-Trichloroethane	5	4.1	**41**	**28**	**32**	**28**	**25**	**28**	**39**	0.32 U	0.53 J	0.4 U	1 U	1 U	0.5 U	2 U
1,1-Dichloroethane	*	2 U	0.38 U	1 U	0.36 U	1 U	1 U	0.5 U	2 U	0.38 U	1 U	0.36 U	1 U	1 U	0.5 U	2 U
1,1-Dichloroethene	5	2 U	0.42 U	1 U	0.47 U	1 U	1.3	0.5 U	2 U	0.42 U	1 U	0.47 U	1 U	1 U	0.5 U	2 U
2-Butanone	50		1.1 U	5 U	1.3 U	5 U	5 U	2.1 J		1.1 U	5 U	1.3 U	5 U	5 U	2.3 J	
Acetone	50		2.3 U	5 U	20	17	41	14		2.3 U	5 U	11	15	17	12	
Benzene	1	**1.9**	0.39 U	1 U	0.32 U	1 U	1 U	0.5 U	1 U	0.39 U	1 U	0.32 U	1 U	1 U	0.5 U	1 U
Chloroethane	5	2 U	0.83 U	1 U	0.66 U	1 U	1 U	0.5 U	2 U	0.83 U	1 U	0.66 U	1 U	1 U	0.5 U	2 U
Chloroform	7	2 U	0.33 U	1 U	0.34 U	1 U	1 U	0.5 U	2 U	0.33 U	1.6	1	1.1	1.2	4.7	8.6
Chloromethane		2 U	0.34 U	1 U	0.54 U	1 U	1 U	0.5 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		0.29 U	1 U	0.35 U	1 U	1 U	0.5 U		0.29 U	1 U	0.35 U	1 U	1 U	0.5 U	
Tetrachloroethene	5	2 U	0.48 U	1 U	0.27 U	1 U	1 U	0.5 U	2 U	0.48 U	1 U	0.27 U	1 U	1 U	0.5 U	2 U
Toluene	5	1 U	0.36 U	1 U	0.37 U	1 U	1 U	0.5 U	1 U	0.36 U	1 U	0.37 U	1 U	1 U	0.5 U	1 U
Trichloroethene	5	2 U	0.46 U	1 U	0.28 U	1 U	1 U	0.5 U	2 U	0.46 U	1 U	0.28 U	1 U	1 U	0.5 U	2 U

Notes

- Concentration exceeds corresponding NYSDEC Class GA Standard.

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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-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-6D 9/6/2007 WATER ug/L	TW-6D 10/17/2008 WATER ug/L	TW-6D 6/25/2009 WATER ug/L	TW-6D 3/23/2010 WATER ug/L	TW-6D 6/21/2011 WATER ug/L	TW-6D 7/24/2012 WATER ug/L	TW-6D 10/29/2013 WATER ug/L
VOCs															
1,1,1-Trichloroethane	5	0.32 U	1.3	0.4 U	1 U	1 U	3.2	2.2	0.32 U	1 U	0.4 U	1 U	1 U	0.5 U	2 U
1,1-Dichloroethane	*	0.38 U	1 U	0.36 U	1 U	1 U	0.5 U	2 U	0.38 U	1 U	0.36 U	1 U	1 U	0.5 U	2 U
1,1-Dichloroethene	5	0.42 U	1 U	0.47 U	1 U	1 U	0.5 U	2 U	0.42 U	1 U	0.47 U	1 U	1 U	0.5 U	2 U
2-Butanone	50	1.1 U	5 U	1.3 U	5 U	5 U	2.1 J		1.1 U	5 U	1.3 U	5 U	5 U	1.9 J	
Acetone	50	2.3 U	4.4 J	11	18	14	16		2.3 U	5 U	21	9.5	16	13	
Benzene	1	0.39 U	1 U	0.32 U	0.99 J	1.1	0.5 U	1 U	0.39 U	1 U	1	1 U	1 U	0.5 U	1 U
Chloroethane	5	0.83 U	1 U	0.66 U	1 U	1 U	0.5 U	2 U	0.83 U	1 U	0.66 U	1 U	1 U	0.5 U	2 U
Chloroform	7	0.33 U	1 U	0.34 U	1 U	1 U	0.5 U	2 U	0.33 U	1 U	0.34 U	1 U	1 U	0.5 U	2 U
Chloromethane		0.34 U	1 U	0.54 U	1 U	1 U	0.5 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	0.29 U	4.1	0.35 U	1 U	1 U	0.5 U		0.29 U	1 U	0.35 U	1 U	1 U	0.5 U	
Tetrachloroethene	5	0.48 U	2.4	0.27 U	1 U	1 U	0.5 U	2 U	0.48 U	1 U	0.27 U	1 U	1 U	0.5 U	2 U
Toluene	5	0.36 U	1 U	0.37 U	1 U	1 U	0.5 U	1 U	0.36 U	1 U	0.37 U	1 U	1 U	0.5 U	1 U
Trichloroethene	5	0.46 U	1.2	0.28 U	1 U	1 U	0.5 U	2 U	0.46 U	1 U	0.28 U	1 U	1 U	0.5 U	2 U

Notes

- Concentration exceeds corresponding NYSDEC Class GA Standard.

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D - Sample diluted

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

Blank space indicates sample not analyzed for that compund

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-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	TW-7I 10/29/2013 WATER ug/L	TW-7D 9/6/2007 WATER ug/L
VOCs																
1,1,1-Trichloroethane	5	**8.2**	**18**	**7.8**	**6.8**	5	**11**	**12**	0.32 U	1.5	0.4 U	2.2	0.69 J	1.6	2 U	**21**
1,1-Dichloroethane	*	0.38 U	1 U	0.36 U	1 U	1 U	0.5 U	2 U	0.38 U	1 U	0.36 U	1 U	1 U	0.5 U	2 U	0.38 U
1,1-Dichloroethene	5	0.42 U	1 U	0.47 U	1 U	1 U	0.5 U	2 U	0.42 U	1 U	0.47 U	1 U	1 U	0.5 U	2 U	4.8 J
2-Butanone	50	1.1 U	5 U	1.3 U	5 U	5 U	2.9 J		1.1 U	5 U	1.3 U	5 U	5 U	1.8 J		1.1 U
Acetone	50	2.3 U	3.3 J	22	12	19	15		2.3 U	5 U	15	17	21	11		2.3 U
Benzene	1	0.39 U	1 U	0.32 U	1 U	1 U	0.5 U	1 U	0.39 U	1 U	0.32 U	1 U	1 U	0.5 U	1 U	0.39 U
Carbon Tetrachloride	5	1.1 U	2.6	0.62 U	1 U	1 U	0.5 U	2 U	1.1 U	1 U	0.62 U	1 U	1 U	0.5 U	2 U	1.1 U
Chloroethane	5	0.83 U	1 U	0.66 U	1 U	1 U	0.5 U	2 U	0.83 U	1 U	0.66 U	1 U	1 U	0.5 U	2 U	0.83 U
Chloroform	7	0.33 U	1 U	0.34 U	1 U	1 U	0.5 U	2 U	0.33 U	1 U	0.34 U	1 U	1 U	0.5 U	2 U	0.33 U
Chloromethane		0.34 U	1 U	0.54 U	1 U	1 U	0.5 U	2 U	0.34 U	1 U	0.54 U	1 U	1 U	0.5 U	2 U	0.34 U
cis-1,2-Dichloroethene	5	0.29 U	1 U	0.35 U	1 U	1 U	0.5 U		0.29 U	1 U	0.35 U	1 U	1 U	0.5 U		0.29 U
Tetrachloroethene	5	0.48 U	1 U	0.27 U	1 U	1 U	0.5 U	2 U	0.48 U	1 U	0.27 U	1 U	1 U	0.5 U	2 U	0.48 U
Toluene	5	0.36 U	1 U	0.37 U	1 U	1 U	0.5 U	1 U	0.36 U	1 U	0.37 U	1 U	1 U	0.5 U	1 U	0.36 U
Trichloroethene	5	0.46 U	1 U	0.28 U	1 U	1 U	0.5 U	2 U	0.46 U	1 U	0.28 U	1 U	1 U	0.5 U	2 U	0.46 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.

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-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-9I 6/25/2009 WATER ug/L	TW-9I 3/23/2010 WATER ug/L	TW-9I 6/21/2011 WATER ug/L	TW-9I 7/24/2012 WATER ug/L	TW-9I 10/29/2013 WATER ug/L	TW-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
VOCs																
1,1,1-Trichloroethane	5	3.8	**9.1**	**5.2**	4.5	4.4	**5.9**	**5.5**	4.3	4.2	4.2	4	0.4 U	1 U	1 U	0.5 U
1,1-Dichloroethane	*	1 U	0.36 U	1 U	1 U	0.5 U	2 U	0.36 U	1 U	1 U	0.5 U	2 U	0.36 U	1 U	1 U	0.5 U
1,1-Dichloroethene	5	1 U	0.47 U	1 U	1 U	0.5 U	2 U	0.47 U	1 U	1 U	0.5 U	2 U	0.47 U	1 U	1 U	0.5 U
2-Butanone	50	5 U	1.3 U	5 U	5 U	2.4 J		1.3 U	5 U	5 U	2.6 J		1.3 U	5 U	5 U	1.9 J
Acetone	50	5 U	17	18	14	13		17	14	19	16		9.1	13	3.6 J	14
Benzene	1	1 U	0.32 U	1 U	1 U	0.5 U	1 U	0.32 U	1 U	1 U	0.5 U	1 U	0.32 U	1 U	1 U	0.5 U
Carbon Tetrachloride	5	1 U	0.62 U	1 U	1 U	0.5 U	2 U	0.62 U	1 U	1 U	0.5 U	2 U	0.62 U	1 U	1 U	0.5 U
Chloroethane	5	1 U	0.66 U	1 U	1 U	0.5 U	2 U	0.66 U	1 U	1 U	0.5 U	2 U	0.66 U	1 U	1 U	0.5 U
Chloroform	7	1 U	0.34 U	1 U	1 U	0.5 U	2 U	0.34 U	1 U	1 U	0.5 U	2 U	0.34 U	1 U	1 U	0.5 U
Chloromethane		1 U	0.54 U	1 U	1 U	0.5 U	2 U	0.54 U	1 U	1 U	0.41 J	2 U	0.54 U	1 U	1 U	0.4 J
cis-1,2-Dichloroethene	5	1 U	0.35 U	1 U	1 U	0.5 U		0.35 U	1 U	1 U	0.5 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	0.27 U	1 U	1 U	0.5 U	2 U	0.27 U	1 U	1 U	0.5 U
Toluene	5	1 U	0.37 U	1 U	1 U	0.5 U	1 U	0.37 U	1 U	1 U	0.5 U	1 U	0.37 U	1 U	1 U	0.5 U
Trichloroethene	5	1 U	0.28 U	1 U	1 U	0.5 U	2 U	0.28 U	1 U	1 U	0.5 U	2 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.

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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-9D 10/29/2013 WATER ug/L	TW-10D 6/25/2009 WATER ug/L	TW-12I 9/6/2007 WATER ug/L	TW-12I 10/17/2008 WATER ug/L	TW-12I 6/25/2009 WATER ug/L	TW-12I 3/23/2010 WATER ug/L	TW-12I 6/21/2011 WATER ug/L	TW-12I 7/24/2012 WATER ug/L	TW-12I 10/29/2013 WATER ug/L	TW-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
VOCs																
1,1,1-Trichloroethane	5	2 U	0.53 J	0.32 U	1 U	0.4 U	1 U	1 U	0.5 U	2 U	0.32 U	0.4 U	1 U	1 U	0.5 U	2 U
1,1-Dichloroethane	*	2 U	0.36 U	0.38 U	1 U	0.36 U	1 U	1 U	0.5 U	2 U	0.38 U	0.36 U	1 U	1 U	0.5 U	2 U
1,1-Dichloroethene	5	2 U	0.47 U	0.42 U	1 U	0.47 U	1 U	1 U	0.5 U	2 U	0.42 U	0.47 U	1 U	1 U	0.5 U	2 U
2-Butanone	50		1.3 U	1.1 U	5 U	1.3 U	5 U	5 U	1.8 J		1.1 U	1.3 U	5 U	5 U	2.8 J	
Acetone	50		19	2.3 U	5 U	10	21	13	12		2.3 U	14	13	11	18	
Benzene	1	1 U	0.32 U	0.39 U	1 U	0.32 U	1 U	1 U	0.5 U	1 U	0.39 U	0.32 U	1 U	1 U	0.5 U	1 U
Carbon Tetrachloride	5	2 U	0.62 U	1.1 U	1 U	0.62 U	1 U	1 U	0.5 U	2 U	1.1 U	0.62 U	1 U	1 U	0.5 U	2 U
Chloroethane	5	2 U	0.66 U	0.83 U	1 U	0.66 U	1 U	1 U	0.5 U	2 U	0.83 U	0.66 U	1 U	1 U	0.5 U	2 U
Chloroform	7	2 U	0.34 U	0.33 U	1 U	0.34 U	1 U	1 U	0.5 U	2 U	0.33 U	0.34 U	1 U	1 U	0.5 U	2 U
Chloromethane		2 U	0.54 U	0.34 U	1 U	0.54 U	1 U	1 U	0.43 J	2 U	0.34 U	0.54 U	1 U	1 U	0.5 U	2 U
cis-1,2-Dichloroethene	5		0.35 U	0.29 U	1 U	0.35 U	1 U	1 U	0.5 U		0.29 U	0.35 U	1 U	1 U	0.5 U	
Tetrachloroethene	5	2 U	0.27 U	0.48 U	1 U	0.27 U	1 U	1 U	0.5 U	2 U	0.48 U	0.27 U	1 U	1 U	0.5 U	2 U
Toluene	5	1 U	0.37 U	0.36 U	1 U	0.37 U	1 U	1 U	0.5 U	1 U	0.36 U	0.37 U	1 U	1 U	0.5 U	1 U
Trichloroethene	5	2 U	0.28 U	0.46 U	1 U	0.28 U	1 U	1 U	0.5 U	2 U	0.46 U	0.28 U	1 U	1 U	0.5 U	2 U

Notes

- Concentration exceeds corresponding NYSDEC Class GA Standard.

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

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

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

D - Sample dilluted

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

Blank space indicates sample not analyzed for that compound

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

Sample ID Sampling Date Matrix Units	NYSDEC Class GA Standard ug/L	TW-14S 9/6/2007 WATER 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-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	TW-14D 9/6/2007 WATER ug/L
VOCs																
1,1,1-Trichloroethane	5	0.32 U	**68**	0.4 U	**16**	**12**	**21**	**10**	**39**	**95**	**83**	**82**	**87**	**76**	**59**	**42**
1,1-Dichloroethane	*	0.38 U	**5.8**	1.2	0.64 J	0.55 J	0.95 J	2 U	0.38 U	2.8	3.2	3.2	3.5	2.6	2.1	0.38 U
1,1-Dichloroethene	5	0.42 U	1 U	0.47 U	1 U	0.67 J	0.5 U	2 U	3.7 J	1.5	0.47 U	2.1	4.4	1.4	2 U	**7.2**
2-Butanone	50	1.1 U	5 U	1.3 U	5 U	5 U	2 J		1.1 U	5 U	1.3 U	5 U	5 U	2.2 J		1.1 U
Acetone	50	2.3 U	5 U	14	16	18	14		2.3 U	5 U	13	17	20	16		2.3 U
Benzene	1	0.39 U	1 U	0.32 U	1 U	1 U	0.5 U	1 U	0.39 U	1 U	0.32 U	1 U	1 U	0.5 U	1 U	0.39 U
Carbon Tetrachloride	5	1.1 U	1 U	0.62 U	1 U	1 U	0.5 U	2 U	1.1 U	1 U	0.62 U	1 U	1 U	0.5 U	2 U	1.1 U
Chloroethane	5	0.83 U	1 U	0.66 U	1 U	1 U	0.5 U	2 U	0.83 U	1 U	0.66 U	1 U	1 U	0.5 U	2 U	0.83 U
Chloroform	7	0.33 U	1 U	0.34 U	1 U	1 U	0.5 U	2 U	0.33 U	1 U	0.34 U	1 U	1 U	0.5 U	2 U	0.33 U
Chloromethane		0.34 U	1 U	0.54 U	1 U	1 U	0.5 U	2 U	0.34 U	1 U	0.54 U	1 U	1 U	0.5 U	2 U	0.34 U
cis-1,2-Dichloroethene	5	0.29 U	1 U	0.35 U	1 U	1 U	0.5 U		0.29 U	1 U	0.35 U	1 U	1 U	0.5 U		0.29 U
Tetrachloroethene	5	0.48 U	1 U	0.27 U	1 U	1 U	0.5 U	2 U	0.48 U	1 U	0.27 U	1 U	1 U	0.5 U	2 U	0.48 U
Toluene	5	0.36 U	1 U	0.37 U	1 U	1 U	0.5 U	1 U	0.36 U	1 U	0.37 U	1 U	1 U	0.5 U	1 U	0.36 U
Trichloroethene	5	0.46 U	1 U	0.28 U	1 U	1 U	0.5 U	2 U	0.46 U	1 U	0.28 U	1 U	1 U	0.5 U	2 U	0.46 U

Notes

- Concentration exceeds corresponding NYSDEC Class GA Standard.

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

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

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

D - Sample diluted

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

Blank space indicates sample not analyzed for that compound

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

Sample ID Sampling Date Matrix Units	NYSDEC Class GA Standard ug/L	TW-14D 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-15 9/6/2007 WATER ug/L	TW-15 10/17/2008 WATER ug/L	TW-15 6/25/2009 WATER ug/L	TW-15 3/23/2010 WATER ug/L	TW-15 6/21/2011 WATER ug/L	TW-15 7/24/2012 WATER ug/L	TW-15 10/29/2013 WATER ug/L	TW-X 10/29/2013 WATER ug/L
VOCs															
1,1,1-Trichloroethane	5	**18**	0.4 U	**9.1**	**12**	**11**	**56**	**17**	**84 D**	**95**	**97**	**89**	**85**	**9.4**	**5.1**
1,1-Dichloroethane	*	1 U	0.36 U	1 U	1 U	0.5 U	2 U	0.38 U	3.3	3.4	4.1	3.8	3.4	2 U	2 U
1,1-Dichloroethene	5	1 U	0.47 U	1 U	0.67 J	0.5 U	2 U	4.6 J	2	1.8	2.7	**5.9**	2	2 U	2 U
2-Butanone	50	5 U	1.3 U	5 U	5 U	2.2 J		1.1 U	5 U	1.3 U	5 U	5 U	2.9 J		
Acetone	50	5 U	15	18	25	17		2.3 U	5 U	9.7	15	35	17		
Benzene	1	1 U	0.32 U	1 U	1 U	0.5 U	1 U	0.39 U	1 U	0.32 U	1 U	1 U	0.5 U	1 U	1 U
Carbon Tetrachloride	5	1 U	0.62 U	1 U	1 U	0.5 U	2 U	1.1 U	1 U	0.62 U	1 U	1 U	0.5 U	2 U	2 U
Chloroethane	5	1 U	0.66 U	1 U	1 U	0.5 U	2 U	0.83 U	1 U	0.66 U	1 U	1 U	0.5 U	2 U	2 U
Chloroform	7	1 U	0.34 U	1 U	1 U	0.5 U	2 U	0.33 U	1 U	0.34 U	1 U	1 U	0.5 U	2 U	2 U
Chloromethane		1 U	0.54 U	1 U	1 U	0.5 U	2 U	0.34 U	1 U	0.54 U	1 U	1 U	0.48 J	2 U	2 U
cis-1,2-Dichloroethene	5	1 U	0.35 U	1 U	1 U	0.5 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	0.48 U	1 U	0.27 U	1 U	1 U	0.5 U	2 U	2 U
Toluene	5	1 U	0.37 U	1 U	1 U	0.5 U	1 U	0.36 U	1 U	0.37 U	1 U	1 U	0.5 U	1 U	1 U
Trichloroethene	5	1 U	0.28 U	1 U	1 U	0.5 U	2 U	0.46 U	1 U	0.28 U	1 U	1 U	0.5 U	2 U	2 U

Notes

- Concentration exceeds corresponding NYSDEC Class GA Standard.

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

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

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

D - Sample dilluted

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

Blank space indicates sample not analyzed for that compound

ARCADIS
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Appendix A

ProControl Daily 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 10/01/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P36 : LAST SHUTDOWN @ 15:49:38 ON 09/11/2013 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 21.3	GPM	TOTAL FLOW is	16321879	GAL				
W2_FLO is 20.0	GPM	TOTAL FLOW is	13771688	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	231216	GAL				
HP_PRS is 1.3	PSI	LIMITS are	L: -2.0	PSI	H: 20.0	PSI		
HP_AMP is 0.08	AMP	LIMITS are	L: 0.00	AMP	H:	AMP		
W1_AMP is 4.50	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP		
W2_AMP is 4.40	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP		
W1_LVL is 32.77	FT	LIMITS are	L: 8.00	FT	H: 28.00	FT		
W2_LVL is 54.94	FT	LIMITS are	L: 9.00	FT	H: 52.00	FT		
W1_PRS is 4.1	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI		
W2_PRS is 4.3	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI		
INTEMP is 57.8	DEG	LIMITS are	L: 42.0	DEG	H: 130.0	DEG		

Analog Outputs:

ASBSPD 0.0 PCT MAN

ALARM Fax Report

EOS Research Ltd. — ProControl Series II+

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:51:14 ON 10/01/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P19 : LAST SHUTDOWN @ 15:49:38 ON 09/11/2013 BY ASBVFD
FAX REPORT INITIATED BY PROCESS 18

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:

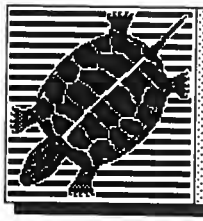
W1_GO is OFF	W2_GO is OFF	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is ON
W2_ALM is ON	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is 0.0	GPM	TOTAL FLOW is	16322959	GAL				
W2_FLO is 0.0	GPM	TOTAL FLOW is	13772687	GAL				
ASBPRS is 0.3	IWC	LIMITS are	L: 5.0	IWC	H: 30.0	IWC		
HP_FLO is 0.00	GPM	TOTAL FLOW is	231226	GAL				
HP_PRS is 1.0	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 34.22	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 0.0	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI		
W2_PRS is 0.0	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI		
INTEMP is 57.9	DEG	LIMITS are	L: 42.0	DEG	H: 130.0	DEG		

Analog Outputs:

ASBSPD 0.0 PCT MAN



ALARM Fax Report

EOS Research Ltd. — ProControl Series II+

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:58:00 ON 10/01/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

SHUTD P02 : LAST SHUTDOWN @ 15:49:38 ON 09/11/2013 BY ASBVFD
FAX REPORT INITIATED BY PROCESS 19

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 ON
W2_ALM is ON	ASBALM is OFF	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	16322959	GAL			
W2_FLO is 0.0	GPM	TOTAL FLOW is	13772687	GAL			
ASBPRS is 0.1	IWC	LIMITS are	L: 5.0	IWC	H: 30.0		IWC
HP_FLO is 0.00	GPM	TOTAL FLOW is	231226	GAL			
HP_PRS is 0.9	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 34.48	FT	LIMITS are	L: 8.00	FT	H: 28.00		FT
W2_LVL is 55.89	FT	LIMITS are	L: 9.00	FT	H: 52.00		FT
W1_PRS is 0.0	PSI	LIMITS are	L: 0.5	PSI	H: 100.0		PSI
W2_PRS is 0.0	PSI	LIMITS are	L: 0.5	PSI	H: 100.0		PSI
INTEMP is 57.5	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 10/02/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 07:01:15 ON 10/01/2013 BY ACFAIL

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 ON
W2_ALM is ON	ASBALM is OFF	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	16322959	GAL				
W2_FLO is 0.0	GPM	TOTAL FLOW is	13772687	GAL				
ASBPRS is 0.1	IWC	LIMITS are	L: 5.0	IWC	H: 30.0	IWC		
HP_FLO is 0.00	GPM	TOTAL FLOW is	231226	GAL				
HP_PRS is 1.3	PSI	LIMITS are	L: -2.0	PSI	H: 20.0	PSI		
HP_AMP is 0.10	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 34.22	FT	LIMITS are	L: 8.00	FT	H: 28.00	FT		
W2_LVL is 55.89	FT	LIMITS are	L: 9.00	FT	H: 52.00	FT		
W1_PRS is 0.0	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI		
W2_PRS is 0.0	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI		
INTEMP is 57.6	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 10/03/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 07:01:15 ON 10/01/2013 BY ACFAIL

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:

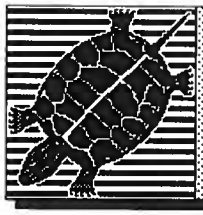
W1_GO is OFF	W2_GO is OFF	ASB_GO is OFF	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is ON
W2_ALM is ON	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is OFF	

Analog Inputs:

W1_FLO is 0.0	GPM	TOTAL FLOW is	16322959	GAL				
W2_FLO is 0.0	GPM	TOTAL FLOW is	13772687	GAL				
ASBPRS is 0.1	IWC	LIMITS are	L: 5.0	IWC	H: 30.0	IWC
HP_FLO is 0.00	GPM	TOTAL FLOW is	231226	GAL				
HP_PRS is 1.2	PSI	LIMITS are	L: -2.0	PSI	H: 20.0	PSI
HP_AMP is 0.09	AMP	LIMITS are	L: 0.00	AMP	H:	AMP
W1_AMP is 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 34.40	FT	LIMITS are	L: 8.00	FT	H: 28.00	FT
W2_LVL is 55.89	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 56.4	DEG	LIMITS are	L: 42.0	DEG	H: 130.0	DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

EOS Research Ltd.

Fax Report

To:

From:

THE MALCOLM PIRNIE SYSTEM IN SENECA FALLS NY @ 07:00:00 ON 10/03/2013
SER NO 9507 : SETUP VER 1 : ROM 2.1996 : MODEL B1

System Status:

AUTO P05 : NO PREVIOUS SHUTDOWN

Discrete Inputs:

RESET is OFF MSEH is OFF FLRSMP is OFF VFDFLT is OFF
VFDRUN is ON

Discrete Outputs:

SSDBLR is ON MSHLA is OFF FSHLA is OFF VFDFLT is OFF

Analog Inputs:

SSDVAC is 3.35	IHG	LIMITS are	L: 0.00	IHG	H: 30.00	IHG
EFFFLO is 295	CFM	LIMITS are	L: 0	CFM	H: 730	CFM
EFFTMP is 110	DF	LIMITS are	L: 32	DF	H: 212	DF
SSDFRQ is 50.0	HZ	LIMITS are	L: 0.0	HZ	H: 60.0	HZ

ProControl Series II+

EOS Research Ltd.

Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 10/04/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 07:01:15 ON 10/01/2013 BY ACFAIL

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 ON
W2_ALM is ON	ASBALM is OFF	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	16322959	GAL				
W2_FLO is 0.0	GPM	TOTAL FLOW is	13772687	GAL				
ASBPRS is 0.1	IWC	LIMITS are	L: 5.0	IWC	H: 30.0	IWC
HP_FLO is 0.00	GPM	TOTAL FLOW is	231226	GAL				
HP_PRS is 1.3	PSI	LIMITS are	L: -2.0	PSI	H: 20.0	PSI
HP_AMP is 0.10	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 34.31	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 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 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 10/05/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 07:01:15 ON 10/01/2013 BY ACFAIL

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:

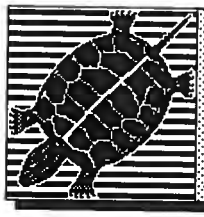
W1_GO is OFF	W2_GO is OFF	ASB_GO is OFF	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is ON
W2_ALM is ON	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is OFF	

Analog Inputs:

W1_FLO is 0.0	GPM	TOTAL FLOW is	16322959	GAL			
W2_FLO is 0.0	GPM	TOTAL FLOW is	13772687	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	231226	GAL			
HP_PRS is 1.3	PSI	LIMITS are	L: -2.0	PSI	H: 20.0		PSI
HP_AMP is 1.00	AMP	LIMITS are	L: 0.00	AMP	H:		AMP
W1_AMP is 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 34.54	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 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 66.2	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 10/06/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 07:01:15 ON 10/01/2013 BY ACFAIL

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 ON
W2_ALM is ON	ASBALM is OFF	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	16322959	GAL				
W2_FLO is 0.0	GPM	TOTAL FLOW is	13772687	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	231226	GAL				
HP_PRS is 1.2	PSI	LIMITS are	L: -2.0	PSI	H:	20.0	PSI	
HP_AMP is 1.00	AMP	LIMITS are	L: 0.00	AMP	H:	.....	AMP	
W1_AMP is 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 34.52	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 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 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 10/07/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 07:01:15 ON 10/01/2013 BY ACFAIL

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:

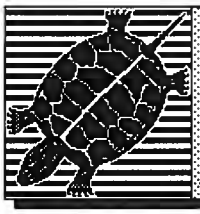
W1_GO is OFF	W2_GO is OFF	ASB_GO is OFF	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is ON
W2_ALM is ON	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is OFF	

Analog Inputs:

W1_FLO is 0.0	GPM	TOTAL FLOW is	16322959	GAL				
W2_FLO is 0.0	GPM	TOTAL FLOW is	13772687	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	231226	GAL				
HP_PRS is 1.3	PSI	LIMITS are	L: -2.0	PSI	H:	20.0	PSI	
HP_AMP is 1.00	AMP	LIMITS are	L: 0.00	AMP	H:	.....	AMP	
W1_AMP is 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 34.33	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 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 69.0	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 10/08/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 07:01:15 ON 10/01/2013 BY ACFAIL

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 ON
W2_ALM is ON	ASBALM is OFF	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	16322959	GAL				
W2_FLO is 0.0	GPM	TOTAL FLOW is	13772687	GAL				
ASBPRS is 0.1	IWC	LIMITS are	L: 5.0	IWC	H:	30.0	IWC	
HP_FLO is 0.00	GPM	TOTAL FLOW is	231226	GAL				
HP_PRS is 1.3	PSI	LIMITS are	L: -2.0	PSI	H:	20.0	PSI	
HP_AMP is 0.10	AMP	LIMITS are	L: 0.00	AMP	H:	.....	AMP	
W1_AMP is 0.01	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W2_AMP is 0.00	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W1_LVL is 35.71	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 59.5	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 10/09/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 07:01:15 ON 10/01/2013 BY ACFAIL

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 ON
W2_ALM is ON	ASBALM is OFF	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	16322959	GAL				
W2_FLO is 0.0	GPM	TOTAL FLOW is	13772687	GAL				
ASBPRS is 0.1	IWC	LIMITS are	L: 5.0	IWC	H: 30.0	IWC
HP_FLO is 0.00	GPM	TOTAL FLOW is	231226	GAL				
HP_PRS is 1.2	PSI	LIMITS are	L: -2.0	PSI	H: 20.0	PSI
HP_AMP is 0.98	AMP	LIMITS are	L: 0.00	AMP	H:	AMP
W1_AMP is 0.01	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP
W2_AMP is 0.00	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP
W1_LVL is 35.25	FT	LIMITS are	L: 8.00	FT	H: 28.00	FT
W2_LVL is 56.48	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 54.9	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:

From:

THE MALCOLM PIRNIE SYSTEM IN SENECA FALLS NY @ 07:00:00 ON 10/10/2013
SER NO 9507 : SETUP VER 1 : ROM 2.1996 : MODEL B1

System Status:

AUTO P05 : NO PREVIOUS SHUTDOWN

Discrete Inputs:

RESET is OFF MSEH is OFF FLRSMP is OFF VFDFLT is OFF
VFDRUN is ON

Discrete Outputs:

SSDBLR is ON MSHLA is OFF FSHLA is OFF VFDFLT is OFF

Analog Inputs:

SSDVAC is 3.24	IHG	LIMITS are	L: 0.00	IHG	H: 30.00	IHG
EFFFLO is 296	CFM	LIMITS are	L: 0	CFM	H: 730	CFM
EFFTMP is 111	DF	LIMITS are	L: 32	DF	H: 212	DF
SSDFRQ is 50.0	HZ	LIMITS are	L: 0.0	HZ	H: 60.0	HZ

ProControl Series II+

EOS Research Ltd.

Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 10/29/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 12:44:45 ON 10/14/2013 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 21.6	GPM	TOTAL FLOW is	16495843	GAL				
W2_FLO is 20.8	GPM	TOTAL FLOW is	13939047	GAL				
ASBPRS is 10.8	IWC	LIMITS are	L: 5.0	IWC	H: 30.0	IWC		
HP_FLO is 2.27	GPM	TOTAL FLOW is	232176	GAL				
HP_PRS is 7.8	PSI	LIMITS are	L: -2.0	PSI	H: 20.0	PSI		
HP_AMP is 4.62	AMP	LIMITS are	L: 0.00	AMP	H:	AMP		
W1_AMP is 4.44	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP		
W2_AMP is 4.41	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP		
W1_LVL is 32.98	FT	LIMITS are	L: 8.00	FT	H: 28.00	FT		
W2_LVL is 55.01	FT	LIMITS are	L: 9.00	FT	H: 52.00	FT		
W1_PRS is 4.2	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI		
W2_PRS is 4.6	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI		
INTEMP is 52.4	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 10/30/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P08 : LAST SHUTDOWN @ 12:44:45 ON 10/14/2013 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 21.4	GPM	TOTAL FLOW is	16527115	GAL				
W2_FLO is 22.3	GPM	TOTAL FLOW is	13969332	GAL				
ASBPRS is 10.7	IWC	LIMITS are	L: 5.0	IWC	H:	30.0	IWC	
HP_FLO is 2.26	GPM	TOTAL FLOW is	232540	GAL				
HP_PRS is 7.9	PSI	LIMITS are	L: -2.0	PSI	H:	20.0	PSI	
HP_AMP is 4.69	AMP	LIMITS are	L: 0.00	AMP	H:	.....	AMP	
W1_AMP is 4.44	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W2_AMP is 4.48	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W1_LVL is 32.88	FT	LIMITS are	L: 8.00	FT	H:	28.00	FT	
W2_LVL is 54.90	FT	LIMITS are	L: 9.00	FT	H:	52.00	FT	
W1_PRS is 4.3	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
W2_PRS is 4.7	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
INTEMP is 55.5	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 10/31/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P08 : LAST SHUTDOWN @ 12:44:45 ON 10/14/2013 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 21.5	GPM	TOTAL FLOW is	16558269	GAL				
W2_FLO is 22.1	GPM	TOTAL FLOW is	14001381	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	232798	GAL				
HP_PRS is 1.7	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 4.49	AMP	LIMITS are	L: 0.00	AMP	H:	10.00		AMP
W2_AMP is 4.51	AMP	LIMITS are	L: 0.00	AMP	H:	10.00		AMP
W1_LVL is 32.78	FT	LIMITS are	L: 8.00	FT	H:	28.00		FT
W2_LVL is 54.84	FT	LIMITS are	L: 9.00	FT	H:	52.00		FT
W1_PRS is 4.3	PSI	LIMITS are	L: 0.5	PSI	H:	100.0		PSI
W2_PRS is 4.7	PSI	LIMITS are	L: 0.5	PSI	H:	100.0		PSI
INTEMP is 53.6	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 11/01/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P08 : LAST SHUTDOWN @ 12:44:45 ON 10/14/2013 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 21.6	GPM	TOTAL FLOW is	16589416	GAL				
W2_FLO is 22.6	GPM	TOTAL FLOW is	14033402	GAL				
ASBPRS is 10.0	IWC	LIMITS are	L: 5.0	IWC	H: 30.0	IWC		
HP_FLO is 0.00	GPM	TOTAL FLOW is	232916	GAL				
HP_PRS is 1.5	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 4.54	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP		
W2_AMP is 4.58	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP		
W1_LVL is 32.98	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 4.2	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI		
W2_PRS is 4.5	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI		
INTEMP is 60.8	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 11/02/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P08 : LAST SHUTDOWN @ 12:44:45 ON 10/14/2013 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:

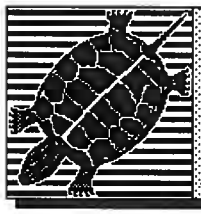
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is 21.7	GPM	TOTAL FLOW is	16620663	GAL				
W2_FLO is 21.8	GPM	TOTAL FLOW is	14065494	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	233013	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 4.51	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 33.38	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 4.1	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI
W2_PRS is 4.5	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI
INTEMP is 55.6	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 11/03/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P08 : LAST SHUTDOWN @ 12:44:45 ON 10/14/2013 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 21.2	GPM	TOTAL FLOW is	16651931	GAL				
W2_FLO is 22.2	GPM	TOTAL FLOW is	14097482	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	233245	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 4.53	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 33.70	FT	LIMITS are	L: 8.00	FT	H:	28.00	FT	
W2_LVL is 55.58	FT	LIMITS are	L: 9.00	FT	H:	52.00	FT	
W1_PRS is 4.2	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
W2_PRS is 4.6	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
INTEMP is 53.7	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 11/04/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P08 : LAST SHUTDOWN @ 12:44:45 ON 10/14/2013 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 21.6	GPM	TOTAL FLOW is	16683266	GAL				
W2_FLO is 21.8	GPM	TOTAL FLOW is	14129552	GAL				
ASBPRS is 10.9	IWC	LIMITS are	L: 5.0	IWC	H: 30.0	IWC		
HP_FLO is 0.00	GPM	TOTAL FLOW is	233758	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 4.56	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 33.60	FT	LIMITS are	L: 8.00	FT	H: 28.00	FT		
W2_LVL is 55.41	FT	LIMITS are	L: 9.00	FT	H: 52.00	FT		
W1_PRS is 4.2	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI		
W2_PRS is 4.6	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI		
INTEMP is 49.6	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 11/05/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P08 : LAST SHUTDOWN @ 12:44:45 ON 10/14/2013 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:

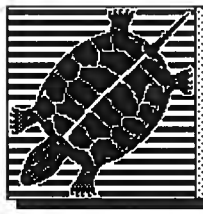
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is 21.8	GPM	TOTAL FLOW is	16714587	GAL				
W2_FLO is 22.5	GPM	TOTAL FLOW is	14161719	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	234199	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 4.47	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP		
W2_AMP is 4.49	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP		
W1_LVL is 33.50	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 4.2	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI		
W2_PRS is 4.7	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI		
INTEMP is 52.7	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 11/06/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P08 : LAST SHUTDOWN @ 12:44:45 ON 10/14/2013 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:

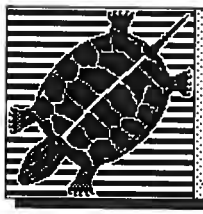
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is 21.7	GPM	TOTAL FLOW is	16745806	GAL				
W2_FLO is 22.5	GPM	TOTAL FLOW is	14193842	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	234442	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 4.50	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP		
W2_AMP is 4.51	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP		
W1_LVL is 33.19	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 4.3	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI		
W2_PRS is 4.6	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI		
INTEMP is 56.0	DEG	LIMITS are	L: 42.0	DEG	H: 130.0	DEG		

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

EOS Research Ltd.

Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 11/07/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P08 : LAST SHUTDOWN @ 12:44:45 ON 10/14/2013 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 21.3	GPM	TOTAL FLOW is	16776917	GAL				
W2_FLO is 22.6	GPM	TOTAL FLOW is	14225914	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	234558	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 4.51	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP
W2_AMP is 4.53	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP
W1_LVL is 32.66	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 4.6	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI
INTEMP is 59.2	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 11/08/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P08 : LAST SHUTDOWN @ 12:44:45 ON 10/14/2013 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:

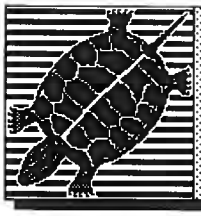
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is 21.7	GPM	TOTAL FLOW is	16808183	GAL				
W2_FLO is 22.3	GPM	TOTAL FLOW is	14258037	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	234850	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 4.44	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W2_AMP is 4.46	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W1_LVL is 33.26	FT	LIMITS are	L: 8.00	FT	H:	28.00	FT	
W2_LVL is 55.58	FT	LIMITS are	L: 9.00	FT	H:	52.00	FT	
W1_PRS is 4.2	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
W2_PRS is 4.7	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
INTEMP is 53.4	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 11/09/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P08 : LAST SHUTDOWN @ 12:44:45 ON 10/14/2013 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:

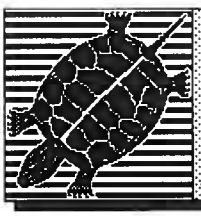
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is 21.9	GPM	TOTAL FLOW is	16839442	GAL				
W2_FLO is 21.9	GPM	TOTAL FLOW is	14290119	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	235251	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 4.43	AMP	LIMITS are	L: 0.00	AMP	H:	10.00		AMP
W2_AMP is 4.46	AMP	LIMITS are	L: 0.00	AMP	H:	10.00		AMP
W1_LVL is 33.50	FT	LIMITS are	L: 8.00	FT	H:	28.00		FT
W2_LVL is 55.45	FT	LIMITS are	L: 9.00	FT	H:	52.00		FT
W1_PRS is 4.3	PSI	LIMITS are	L: 0.5	PSI	H:	100.0		PSI
W2_PRS is 4.7	PSI	LIMITS are	L: 0.5	PSI	H:	100.0		PSI
INTEMP is 53.3	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 11/10/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P08 : LAST SHUTDOWN @ 12:44:45 ON 10/14/2013 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:

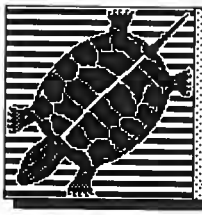
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is 21.2	GPM	TOTAL FLOW is	16870641	GAL				
W2_FLO is 21.9	GPM	TOTAL FLOW is	14322200	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	235575	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 4.47	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W2_AMP is 4.50	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W1_LVL is 33.06	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 4.6	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
INTEMP is 55.0	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 11/11/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P08 : LAST SHUTDOWN @ 12:44:45 ON 10/14/2013 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:

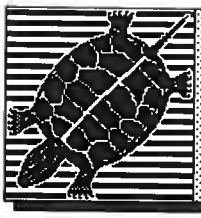
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is 21.5	GPM	TOTAL FLOW is	16901833	GAL				
W2_FLO is 22.3	GPM	TOTAL FLOW is	14354257	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	235916	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 4.51	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W2_AMP is 4.53	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W1_LVL is 33.48	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 4.6	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
INTEMP is 53.4	DEG	LIMITS are	L: 42.0	DEG	H:	130.0	DEG	

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

EOS Research Ltd. — Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 11/12/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P08 : LAST SHUTDOWN @ 12:44:45 ON 10/14/2013 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:

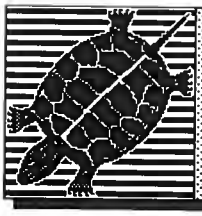
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is 22.2	GPM	TOTAL FLOW is	16933056	GAL				
W2_FLO is 22.4	GPM	TOTAL FLOW is	14386310	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	236335	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 4.40	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W2_AMP is 4.45	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W1_LVL is 33.53	FT	LIMITS are	L: 8.00	FT	H:	28.00	FT	
W2_LVL is 55.41	FT	LIMITS are	L: 9.00	FT	H:	52.00	FT	
W1_PRS is 4.2	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
W2_PRS is 4.7	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
INTEMP is 51.3	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 11/13/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P08 : LAST SHUTDOWN @ 12:44:45 ON 10/14/2013 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 21.7	GPM	TOTAL FLOW is	16964333	GAL				
W2_FLO is 22.1	GPM	TOTAL FLOW is	14418345	GAL				
ASBPRS is 11.0	IWC	LIMITS are	L: 5.0	IWC	H:	30.0	IWC	
HP_FLO is 0.00	GPM	TOTAL FLOW is	236972	GAL				
HP_PRS is 1.6	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 4.45	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W2_AMP is 4.46	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W1_LVL is 33.79	FT	LIMITS are	L: 8.00	FT	H:	28.00	FT	
W2_LVL is 55.36	FT	LIMITS are	L: 9.00	FT	H:	52.00	FT	
W1_PRS is 4.4	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
W2_PRS is 4.7	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
INTEMP is 52.4	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 11/14/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P08 : LAST SHUTDOWN @ 12:44:45 ON 10/14/2013 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 21.7	GPM	TOTAL FLOW is	16995581	GAL				
W2_FLO is 22.2	GPM	TOTAL FLOW is	14450361	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	237616	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 4.41	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W2_AMP is 4.44	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W1_LVL is 33.53	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 4.3	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
W2_PRS is 4.7	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
INTEMP is 50.0	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 11/15/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P08 : LAST SHUTDOWN @ 12:44:45 ON 10/14/2013 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 21.7	GPM	TOTAL FLOW is	17026761	GAL				
W2_FLO is 22.0	GPM	TOTAL FLOW is	14482351	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	238122	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 4.47	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W2_AMP is 4.50	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W1_LVL is 33.58	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 4.3	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
W2_PRS is 4.7	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
INTEMP is 50.6	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 11/16/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P08 : LAST SHUTDOWN @ 12:44:45 ON 10/14/2013 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:

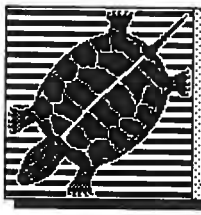
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is 21.6	GPM	TOTAL FLOW is	17057930	GAL				
W2_FLO is 22.3	GPM	TOTAL FLOW is	14514344	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	238538	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 4.47	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W2_AMP is 4.51	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W1_LVL is 33.66	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 4.3	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
W2_PRS is 4.7	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
INTEMP is 52.7	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 11/17/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P08 : LAST SHUTDOWN @ 12:44:45 ON 10/14/2013 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:

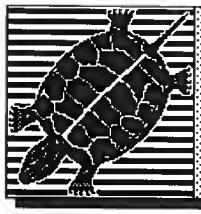
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is 21.7	GPM	TOTAL FLOW is	17089073	GAL				
W2_FLO is 22.2	GPM	TOTAL FLOW is	14546321	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	238837	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 4.50	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 33.55	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 4.3	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI		
W2_PRS is 4.7	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI		
INTEMP is 55.9	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 11/18/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P08 : LAST SHUTDOWN @ 12:44:45 ON 10/14/2013 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:

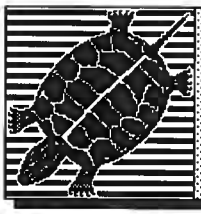
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is 21.5	GPM	TOTAL FLOW is	17120119	GAL				
W2_FLO is 22.0	GPM	TOTAL FLOW is	14578302	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	238978	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 4.44	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP
W2_AMP is 4.48	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP
W1_LVL is 32.99	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 4.2	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI
W2_PRS is 4.6	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI
INTEMP is 57.4	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 11/19/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P08 : LAST SHUTDOWN @ 12:44:45 ON 10/14/2013 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:

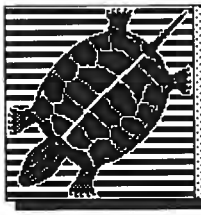
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is 21.9	GPM	TOTAL FLOW is	17151215	GAL				
W2_FLO is 22.1	GPM	TOTAL FLOW is	14610272	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	239250	GAL				
HP_PRS is 1.6	PSI	LIMITS are	L: -2.0	PSI	H: 20.0	PSI		
HP_AMP is 0.04	AMP	LIMITS are	L: 0.00	AMP	H:	AMP		
W1_AMP is 4.39	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP		
W2_AMP is 4.44	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP		
W1_LVL is 33.47	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 4.3	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI		
W2_PRS is 4.7	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI		
INTEMP is 52.7	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 11/20/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P08 : LAST SHUTDOWN @ 12:44:45 ON 10/14/2013 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 21.7	GPM	TOTAL FLOW is	17182391	GAL				
W2_FLO is 22.0	GPM	TOTAL FLOW is	14642264	GAL				
ASBPRS is 11.1	IWC	LIMITS are	L: 5.0	IWC	H:	30.0	IWC	
HP_FLO is 0.00	GPM	TOTAL FLOW is	239800	GAL				
HP_PRS is 1.5	PSI	LIMITS are	L: -2.0	PSI	H:	20.0	PSI	
HP_AMP is 0.04	AMP	LIMITS are	L: 0.00	AMP	H:	.....	AMP	
W1_AMP is 4.36	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W2_AMP is 4.40	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W1_LVL is 34.05	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 4.7	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
INTEMP is 50.5	DEG	LIMITS are	L: 42.0	DEG	H:	130.0	DEG	

Analog Outputs:

ASBSPD 0.0 PCT MAN

ProControl Series II+

EOS Research Ltd — Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 11/21/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P08 : LAST SHUTDOWN @ 12:44:45 ON 10/14/2013 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 21.6	GPM	TOTAL FLOW is	17213516	GAL				
W2_FLO is 22.7	GPM	TOTAL FLOW is	14674250	GAL				
ASBPRS is 11.1	IWC	LIMITS are	L: 5.0	IWC	H:	30.0	IWC	
HP_FLO is 0.00	GPM	TOTAL FLOW is	240394	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 4.39	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W2_AMP is 4.44	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W1_LVL is 34.05	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 4.2	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
W2_PRS is 4.7	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
INTEMP is 49.5	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 11/22/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P08 : LAST SHUTDOWN @ 12:44:45 ON 10/14/2013 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:

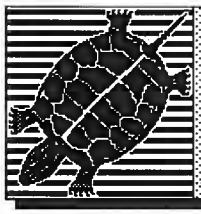
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is 21.3	GPM	TOTAL FLOW is	17244604	GAL				
W2_FLO is 22.2	GPM	TOTAL FLOW is	14706218	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	240835	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 4.41	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W2_AMP is 4.43	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W1_LVL is 33.68	FT	LIMITS are	L: 8.00	FT	H:	28.00	FT	
W2_LVL is 55.11	FT	LIMITS are	L: 9.00	FT	H:	52.00	FT	
W1_PRS is 4.2	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
W2_PRS is 4.6	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
INTEMP is 54.2	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 11/23/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P08 : LAST SHUTDOWN @ 12:44:45 ON 10/14/2013 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 21.7	GPM	TOTAL FLOW is	17275676	GAL				
W2_FLO is 22.0	GPM	TOTAL FLOW is	14738190	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	241195	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 4.53	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 33.65	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 4.3	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
W2_PRS is 4.6	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
INTEMP is 51.1	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:

From:

THE MALCOLM PIRNIE SYSTEM IN SENECA FALLS NY @ 07:00:00 ON 11/23/2013
SER NO 9507 : SETUP VER 1 : ROM 2.1996 : MODEL B1

System Status:

AUTO P05 : NO PREVIOUS SHUTDOWN

Discrete Inputs:

RESET is OFF MSEH is OFF FLRSMP is OFF VFDFLT is OFF
VFDRUN is ON

Discrete Outputs:

SSDBLR is ON MSHLA is OFF FSHLA is OFF VFDFLT is OFF

Analog Inputs:

SSDVAC is 3.28	IHG	LIMITS are	L: 0.00	IHG	H: 30.00	IHG
EFFFLO is 289	CFM	LIMITS are	L: 0	CFM	H: 730	CFM
EFFTMP is 109	DF	LIMITS are	L: 32	DF	H: 212	DF
SSDFRQ is 50.0	HZ	LIMITS are	L: 0.0	HZ	H: 60.0	HZ

ProControl Series II+

EOS Research Ltd.

Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 11/24/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P08 : LAST SHUTDOWN @ 12:44:45 ON 10/14/2013 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 21.6	GPM	TOTAL FLOW is	17306796	GAL				
W2_FLO is 22.0	GPM	TOTAL FLOW is	14770177	GAL				
ASBPRS is 11.0	IWC	LIMITS are	L: 5.0	IWC	H:	30.0	IWC	
HP_FLO is 0.00	GPM	TOTAL FLOW is	241954	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 4.52	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 33.64	FT	LIMITS are	L: 8.00	FT	H:	28.00	FT	
W2_LVL is 55.17	FT	LIMITS are	L: 9.00	FT	H:	52.00	FT	
W1_PRS is 4.3	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
W2_PRS is 4.7	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
INTEMP is 50.3	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:

From:

THE MALCOLM PIRNIE SYSTEM IN SENECA FALLS NY @ 07:00:00 ON 11/24/2013
SER NO 9507 : SETUP VER 1 : ROM 2.1996 : MODEL B1

System Status:

AUTO P05 : NO PREVIOUS SHUTDOWN

Discrete Inputs:

RESET is OFF MSEH is OFF FLRSMP is OFF VFDFLT is OFF
VFDRUN is ON

Discrete Outputs:

SSDBLR is ON MSHLA is OFF FSHLA is OFF VFDFLT is OFF

Analog Inputs:

SSDVAC is 3.31	IHG	LIMITS are	L: 0.00	IHG	H: 30.00	IHG
EFFFLO is 292	CFM	LIMITS are	L: 0	CFM	H: 730	CFM
EFFTMP is 100	DF	LIMITS are	L: 32	DF	H: 212	DF
SSDFRQ is 50.0	HZ	LIMITS are	L: 0.0	HZ	H: 60.0	HZ

ProControl Series II+

EOS Research Ltd. — Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 11/25/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P08 : LAST SHUTDOWN @ 12:44:45 ON 10/14/2013 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 21.2	GPM	TOTAL FLOW is	17337900	GAL				
W2_FLO is 22.3	GPM	TOTAL FLOW is	14802178	GAL				
ASBPRS is 11.1	IWC	LIMITS are	L: 5.0	IWC	H: 30.0	IWC
HP_FLO is 0.00	GPM	TOTAL FLOW is	242881	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 4.46	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP
W2_AMP is 4.50	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP
W1_LVL is 33.89	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 4.3	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI
W2_PRS is 4.8	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI
INTEMP is 51.2	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:

From:

THE MALCOLM PIRNIE SYSTEM IN SENECA FALLS NY @ 07:00:00 ON 11/25/2013
SER NO 9507 : SETUP VER 1 : ROM 2.1996 : MODEL B1

System Status:

AUTO P05 : NO PREVIOUS SHUTDOWN

Discrete Inputs:

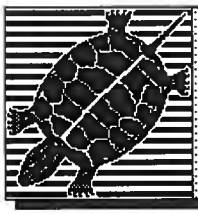
RESET is OFF MSEH is OFF FLRSMP is OFF VFDFLT is OFF
VFDRUN is ON

Discrete Outputs:

SSDBLR is ON MSHLA is OFF FSHLA is OFF VFDFLT is OFF

Analog Inputs:

SSDVAC is 3.10	IHG	LIMITS are	L: 0.00	IHG	H: 30.00	IHG
EFFFLO is 295	CFM	LIMITS are	L: 0	CFM	H: 730	CFM
EFFTMP is 101	DF	LIMITS are	L: 32	DF	H: 212	DF
SSDFRQ is 49.9	HZ	LIMITS are	L: 0.0	HZ	H: 60.0	HZ



ProControl Series II+

EOS Research Ltd.

Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 11/26/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P08 : LAST SHUTDOWN @ 12:44:45 ON 10/14/2013 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	21.7	GPM	TOTAL FLOW is	17368911	GAL			
W2_FLO is	22.5	GPM	TOTAL FLOW is	14834161	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	243583	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	4.44	AMP	LIMITS are	L: 0.00	AMP	H: 10.00		AMP
W2_AMP is	4.48	AMP	LIMITS are	L: 0.00	AMP	H: 10.00		AMP
W1_LVL is	33.75	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	4.4	PSI	LIMITS are	L: 0.5	PSI	H: 100.0		PSI
W2_PRS is	4.7	PSI	LIMITS are	L: 0.5	PSI	H: 100.0		PSI
INTEMP is	50.5	DEG	LIMITS are	L: 42.0	DEG	H: 130.0		DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN

ProControl Series II+

ECOS Research Ltd. — Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 11/27/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P08 : LAST SHUTDOWN @ 12:44:45 ON 10/14/2013 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 21.8	GPM	TOTAL FLOW is	17399900	GAL				
W2_FLO is 22.2	GPM	TOTAL FLOW is	14866117	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	244115	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 4.49	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP		
W2_AMP is 4.51	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP		
W1_LVL is 33.92	FT	LIMITS are	L: 8.00	FT	H: 28.00	FT		
W2_LVL is 56.02	FT	LIMITS are	L: 9.00	FT	H: 52.00	FT		
W1_PRS is 4.4	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI		
W2_PRS is 4.8	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI		
INTEMP is 52.1	DEG	LIMITS are	L: 42.0	DEG	H: 130.0	DEG		

Analog Outputs:

ASBSPD 0.0 PCT MAN

ProControl Series II+

EOS Research Ltd.

Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 11/28/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P08 : LAST SHUTDOWN @ 12:44:45 ON 10/14/2013 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 21.7	GPM	TOTAL FLOW is	17431113	GAL				
W2_FLO is 22.0	GPM	TOTAL FLOW is	14898279	GAL				
ASBPRS is 10.9	IWC	LIMITS are	L: 5.0	IWC	H: 30.0	IWC		
HP_FLO is 0.00	GPM	TOTAL FLOW is	244776	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 4.52	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 34.88	FT	LIMITS are	L: 8.00	FT	H: 28.00	FT		
W2_LVL is 56.40	FT	LIMITS are	L: 9.00	FT	H: 52.00	FT		
W1_PRS is 4.3	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI		
W2_PRS is 4.8	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI		
INTEMP is 48.2	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 11/29/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P08 : LAST SHUTDOWN @ 12:44:45 ON 10/14/2013 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 21.2	GPM	TOTAL FLOW is	17462253	GAL				
W2_FLO is 21.9	GPM	TOTAL FLOW is	14930425	GAL				
ASBPRS is 11.1	IWC	LIMITS are	L: 5.0	IWC	H: 30.0	IWC
HP_FLO is 0.00	GPM	TOTAL FLOW is	245605	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 4.51	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 35.04	FT	LIMITS are	L: 8.00	FT	H: 28.00	FT
W2_LVL is 56.04	FT	LIMITS are	L: 9.00	FT	H: 52.00	FT
W1_PRS is 4.4	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI
W2_PRS is 4.8	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI
INTEMP is 48.3	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 11/30/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P08 : LAST SHUTDOWN @ 12:44:45 ON 10/14/2013 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:

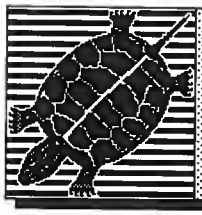
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is 21.3	GPM	TOTAL FLOW is	17493334	GAL				
W2_FLO is 22.2	GPM	TOTAL FLOW is	14962574	GAL				
ASBPRS is 11.5	IWC	LIMITS are	L: 5.0	IWC	H: 30.0	IWC
HP_FLO is 2.26	GPM	TOTAL FLOW is	246581	GAL				
HP_PRS is 7.8	PSI	LIMITS are	L: -2.0	PSI	H: 20.0	PSI
HP_AMP is 4.54	AMP	LIMITS are	L: 0.00	AMP	H:	AMP
W1_AMP is 4.44	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP
W2_AMP is 4.49	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP
W1_LVL is 34.74	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 4.5	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI
W2_PRS is 4.8	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI
INTEMP is 48.4	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 12/01/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P08 : LAST SHUTDOWN @ 12:44:45 ON 10/14/2013 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:

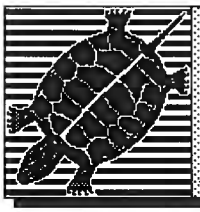
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is 21.3	GPM	TOTAL FLOW is	17524378	GAL				
W2_FLO is 22.3	GPM	TOTAL FLOW is	14994727	GAL				
ASBPRS is 10.9	IWC	LIMITS are	L: 5.0	IWC	H:	30.0	IWC	
HP_FLO is 0.00	GPM	TOTAL FLOW is	247405	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 4.50	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 34.25	FT	LIMITS are	L: 8.00	FT	H:	28.00	FT	
W2_LVL is 55.72	FT	LIMITS are	L: 9.00	FT	H:	52.00	FT	
W1_PRS is 4.4	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
W2_PRS is 4.8	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
INTEMP is 49.7	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 12/02/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P08 : LAST SHUTDOWN @ 12:44:45 ON 10/14/2013 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:

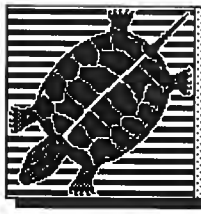
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is 21.3	GPM	TOTAL FLOW is	17555368	GAL				
W2_FLO is 22.1	GPM	TOTAL FLOW is	15026821	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	247944	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 4.49	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W2_AMP is 4.55	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W1_LVL is 33.87	FT	LIMITS are	L: 8.00	FT	H:	28.00	FT	
W2_LVL is 55.62	FT	LIMITS are	L: 9.00	FT	H:	52.00	FT	
W1_PRS is 4.4	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
W2_PRS is 4.8	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
INTEMP is 51.8	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 12/03/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P08 : LAST SHUTDOWN @ 12:44:45 ON 10/14/2013 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 21.5	GPM	TOTAL FLOW is	17586343	GAL				
W2_FLO is 22.1	GPM	TOTAL FLOW is	15058898	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	248441	GAL				
HP_PRS is 1.6	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 4.50	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 33.85	FT	LIMITS are	L: 8.00	FT	H:	28.00	FT	
W2_LVL is 55.58	FT	LIMITS are	L: 9.00	FT	H:	52.00	FT	
W1_PRS is 4.3	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
W2_PRS is 4.7	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
INTEMP is 52.8	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 12/04/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P08 : LAST SHUTDOWN @ 12:44:45 ON 10/14/2013 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:

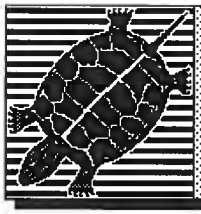
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is 21.1	GPM	TOTAL FLOW is	17617300	GAL				
W2_FLO is 21.9	GPM	TOTAL FLOW is	15090975	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	248984	GAL				
HP_PRS is 1.5	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 4.53	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 33.96	FT	LIMITS are	L: 8.00	FT	H:	28.00	FT	
W2_LVL is 55.49	FT	LIMITS are	L: 9.00	FT	H:	52.00	FT	
W1_PRS is 4.3	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
W2_PRS is 4.7	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
INTEMP is 53.0	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 12/20/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P26 : LAST SHUTDOWN @ 12:44:45 ON 10/14/2013 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:

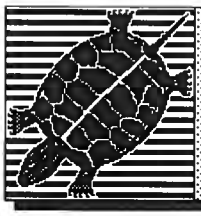
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is 21.3	GPM	TOTAL FLOW is	18112290	GAL				
W2_FLO is 22.1	GPM	TOTAL FLOW is	15604077	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	249783	GAL				
HP_PRS is 1.3	PSI	LIMITS are	L: -2.0	PSI	H: 20.0	PSI		
HP_AMP is 2.99	AMP	LIMITS are	L: 0.00	AMP	H:	AMP		
W1_AMP is 4.47	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP		
W2_AMP is 4.52	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP		
W1_LVL is 33.99	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 4.4	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI		
W2_PRS is 4.9	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI		
INTEMP is 52.8	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 12/22/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 21:49:45 ON 12/20/2013 BY ACFAIL

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:

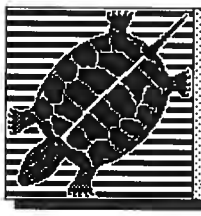
W1_GO is OFF	W2_GO is OFF	ASB_GO is OFF	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is ON
W2_ALM is ON	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is OFF	

Analog Inputs:

W1_FLO is 0.0	GPM	TOTAL FLOW is	18132181	GAL				
W2_FLO is 0.0	GPM	TOTAL FLOW is	15624753	GAL				
ASBPRS is 0.1	IWC	LIMITS are	L: 5.0	IWC	H: 30.0	IWC		
HP_FLO is 0.00	GPM	TOTAL FLOW is	249784	GAL				
HP_PRS is 1.0	PSI	LIMITS are	L: -2.0	PSI	H: 20.0	PSI		
HP_AMP is 0.05	AMP	LIMITS are	L: 0.00	AMP	H:	AMP		
W1_AMP is 0.01	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP		
W2_AMP is 0.00	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP		
W1_LVL is 37.68	FT	LIMITS are	L: 8.00	FT	H: 28.00	FT		
W2_LVL is 58.64	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 58.1	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 12/23/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 21:49:45 ON 12/20/2013 BY ACFAIL

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 ON
W2_ALM is ON	ASBALM is OFF	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	18132181	GAL				
W2_FLO is 0.0	GPM	TOTAL FLOW is	15624753	GAL				
ASBPRS is 0.1	IWC	LIMITS are	L: 5.0	IWC	H: 30.0	IWC		
HP_FLO is 0.00	GPM	TOTAL FLOW is	249784	GAL				
HP_PRS is 0.4	PSI	LIMITS are	L: -2.0	PSI	H: 20.0	PSI		
HP_AMP is 5.19	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 38.13	FT	LIMITS are	L: 8.00	FT	H: 28.00	FT		
W2_LVL is 58.57	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 55.1	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 12/24/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 21:49:45 ON 12/20/2013 BY ACFAIL

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 ON
W2_ALM is ON	ASBALM is OFF	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	18132181	GAL				
W2_FLO is 0.0	GPM	TOTAL FLOW is	15624753	GAL				
ASBPRS is 0.0	IWC	LIMITS are	L: 5.0	IWC	H: 30.0	IWC		
HP_FLO is 0.00	GPM	TOTAL FLOW is	249784	GAL				
HP_PRS is 1.0	PSI	LIMITS are	L: -2.0	PSI	H: 20.0	PSI		
HP_AMP is 0.05	AMP	LIMITS are	L: 0.00	AMP	H:	AMP		
W1_AMP is 0.01	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP		
W2_AMP is 0.00	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP		
W1_LVL is 37.86	FT	LIMITS are	L: 8.00	FT	H: 28.00	FT		
W2_LVL is 57.96	FT	LIMITS are	L: 9.00	FT	H: 52.00	FT		
W1_PRS is 0.0	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI		
W2_PRS is 0.0	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI		
INTEMP is 48.5	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 12/25/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 21:49:45 ON 12/20/2013 BY ACFAIL

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:

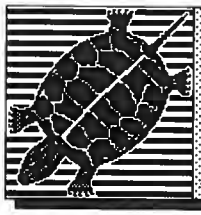
W1_GO is OFF	W2_GO is OFF	ASB_GO is OFF	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is ON
W2_ALM is ON	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is OFF	

Analog Inputs:

W1_FLO is 0.0	GPM	TOTAL FLOW is	18132181	GAL				
W2_FLO is 0.0	GPM	TOTAL FLOW is	15624753	GAL				
ASBPRS is 0.0	IWC	LIMITS are	L: 5.0	IWC	H: 30.0	IWC		
HP_FLO is 0.00	GPM	TOTAL FLOW is	249784	GAL				
HP_PRS is 0.0	PSI	LIMITS are	L: -2.0	PSI	H: 20.0	PSI		
HP_AMP is 5.08	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 37.78	FT	LIMITS are	L: 8.00	FT	H: 28.00	FT		
W2_LVL is 57.52	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 43.2	DEG	LIMITS are	L: 42.0	DEG	H: 130.0	DEG		

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

EOS Research Ltd.

Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 12/26/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 21:49:45 ON 12/20/2013 BY ACFAIL

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:

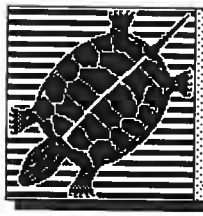
W1_GO is OFF	W2_GO is OFF	ASB_GO is OFF	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is ON
W2_ALM is ON	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is OFF	

Analog Inputs:

W1_FLO is 0.0	GPM	TOTAL FLOW is	18132181	GAL				
W2_FLO is 0.0	GPM	TOTAL FLOW is	15624753	GAL				
ASBPRS is 0.0	IWC	LIMITS are	L: 5.0	IWC	H: 30.0	IWC		
HP_FLO is 0.00	GPM	TOTAL FLOW is	249784	GAL				
HP_PRS is 0.7	PSI	LIMITS are	L: -2.0	PSI	H: 20.0	PSI		
HP_AMP is 0.05	AMP	LIMITS are	L: 0.00	AMP	H:	AMP		
W1_AMP is 0.00	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP		
W2_AMP is 0.00	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP		
W1_LVL is 37.28	FT	LIMITS are	L: 8.00	FT	H: 28.00	FT		
W2_LVL is 57.24	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 45.4	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 12/27/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 21:49:45 ON 12/20/2013 BY ACFAIL

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:

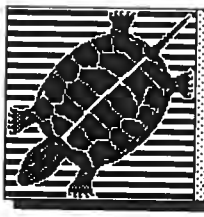
W1_GO is OFF	W2_GO is OFF	ASB_GO is OFF	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is ON
W2_ALM is ON	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is OFF	

Analog Inputs:

W1_FLO is 0.0	GPM	TOTAL FLOW is	18132181	GAL				
W2_FLO is 0.0	GPM	TOTAL FLOW is	15624753	GAL				
ASBPRS is 0.0	IWC	LIMITS are	L: 5.0	IWC	H: 30.0	IWC
HP_FLO is 0.00	GPM	TOTAL FLOW is	249784	GAL				
HP_PRS is 0.7	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 37.20	FT	LIMITS are	L: 8.00	FT	H: 28.00	FT
W2_LVL is 57.10	FT	LIMITS are	L: 9.00	FT	H: 52.00	FT
W1_PRS is 0.0	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI
W2_PRS is 0.0	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI
INTEMP is 45.4	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 12/28/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 21:49:45 ON 12/20/2013 BY ACFAIL

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 ON
W2_ALM is ON	ASBALM is OFF	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	18132181	GAL				
W2_FLO is 0.0	GPM	TOTAL FLOW is	15624753	GAL				
ASBPRS is 0.0	IWC	LIMITS are	L: 5.0	IWC	H: 30.0	IWC
HP_FLO is 0.00	GPM	TOTAL FLOW is	249784	GAL				
HP_PRS is 0.9	PSI	LIMITS are	L: -2.0	PSI	H: 20.0	PSI
HP_AMP is 5.83	AMP	LIMITS are	L: 0.00	AMP	H:	AMP
W1_AMP is 0.00	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP
W2_AMP is 0.00	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP
W1_LVL is 36.90	FT	LIMITS are	L: 8.00	FT	H: 28.00	FT
W2_LVL is 56.89	FT	LIMITS are	L: 9.00	FT	H: 52.00	FT
W1_PRS is 0.0	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI
W2_PRS is 0.0	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI
INTEMP is 44.3	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 12/29/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 21:49:45 ON 12/20/2013 BY ACFAIL

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:

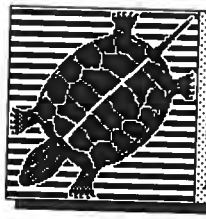
W1_GO is OFF	W2_GO is OFF	ASB_GO is OFF	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is ON
W2_ALM is ON	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is OFF	

Analog Inputs:

W1_FLO is 0.0	GPM	TOTAL FLOW is	18132181	GAL			
W2_FLO is 0.0	GPM	TOTAL FLOW is	15624753	GAL			
ASBPRS is 0.0	IWC	LIMITS are	L: 5.0	IWC	H: 30.0	IWC	
HP_FLO is 0.00	GPM	TOTAL FLOW is	249784	GAL			
HP_PRS is 0.7	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 36.65	FT	LIMITS are	L: 8.00	FT	H: 28.00	FT	
W2_LVL is 56.82	FT	LIMITS are	L: 9.00	FT	H: 52.00	FT	
W1_PRS is 0.0	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI	
W2_PRS is 0.0	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI	
INTEMP is 48.2	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 12/30/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 21:49:45 ON 12/20/2013 BY ACFAIL

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:

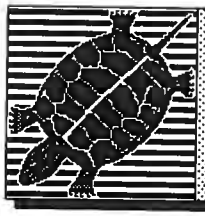
W1_GO is OFF	W2_GO is OFF	ASB_GO is OFF	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is ON
W2_ALM is ON	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is OFF	

Analog Inputs:

W1_FLO is 0.0	GPM	TOTAL FLOW is	18132181	GAL				
W2_FLO is 0.0	GPM	TOTAL FLOW is	15624753	GAL				
ASBPRS is 0.0	IWC	LIMITS are	L: 5.0	IWC	H: 30.0	IWC		
HP_FLO is 0.00	GPM	TOTAL FLOW is	249784	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 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 36.59	FT	LIMITS are	L: 8.00	FT	H: 28.00	FT		
W2_LVL is 56.91	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 49.7	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 12/31/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

MANUAL : LAST SHUTDOWN @ 21:49:45 ON 12/20/2013 BY ACFAIL

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 ON
W2_ALM is ON	ASBALM is OFF	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	18132181	GAL				
W2_FLO is 0.0	GPM	TOTAL FLOW is	15624753	GAL				
ASBPRS is 0.0	IWC	LIMITS are	L: 5.0	IWC	H: 30.0	IWC		
HP_FLO is 0.00	GPM	TOTAL FLOW is	249784	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 36.62	FT	LIMITS are	L: 8.00	FT	H: 28.00	FT		
W2_LVL is 56.63	FT	LIMITS are	L: 9.00	FT	H: 52.00	FT		
W1_PRS is 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 42.1	DEG	LIMITS are	L: 42.0	DEG	H: 130.0	DEG		

Analog Outputs:

ASBSPD 0.0 PCT MAN

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Appendix B

O&M Checklists and System Operation Logs

Gladding Cordage
South Otselic, New York
NYSDEC Site #709009

Date	10/29/2013
Inspector	J.Wyckoff
Time	12:16

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

Recovery Wells	**RW-1**	**RW-2**
Flow Rate (GPM)	21.5	20.8
Total Flow (Gallons)		
Water Level (Feet Above Probe)	33.04	54.94
Probe Depth (Feet BTOC)	40.00	65.00

Air Stripper			
Blower VFD Setting (Hertz)	46	Intake/Exhaust Piping OK? (Y/N)	Y
System Pressure (inches water)	10.5	Water Leaks (Y/N)	N
Influent/Effluent Piping OK? (Y/N)	Y	Water Temperature (°F)	50

Heat Exchanger			
Heat (On/Off)	ON	Building Temperature (°F)	53
Heat Exchanger Flow (GPM)	2.3	Heat Exchanger Pressure (PSI)	7.9

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

Notes:

System restarted remotely on 10/28/13 due to AC failure.

Collect MW samples today.

Gladding Cordage
South Otselic, New York
NYSDEC Site #709009

Date	11/15/2013
Inspector	J.Wyckoff
Time	16:30

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

Recovery Wells	**RW-1**	**RW-2**
Flow Rate (GPM)	21.5	22.5
Total Flow (Gallons)		
Water Level (Feet Above Probe)	33.54	55.30
Probe Depth (Feet BTOC)	40.00	65.00

Air Stripper			
Blower VFD Setting (Hertz)	40	Intake/Exhaust Piping OK? (Y/N)	Y
System Pressure (inches water)	10.7	Water Leaks (Y/N)	N
Influent/Effluent Piping OK? (Y/N)	Y	Water Temperature (°F)	50

Heat Exchanger			
Heat (On/Off)	OFF	Building Temperature (°F)	56
Heat Exchanger Flow (GPM)	0.0	Heat Exchanger Pressure (PSI)	1.4

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

Notes:

Gladding Cordage
South Otselic, New York
NYSDEC Site #709009

Date	12/20/2013
Inspector	J.Wyckoff
Time	9:45

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

Recovery Wells	**RW-1**	**RW-2**
Flow Rate (GPM)	21.4	22.5
Total Flow (Gallons)		
Water Level (Feet Above Probe)	33.94	55.22
Probe Depth (Feet BTOC)	40.00	65.00

Air Stripper			
Blower VFD Setting (Hertz)	46	Intake/Exhaust Piping OK? (Y/N)	Y
System Pressure (inches water)	10.6	Water Leaks (Y/N)	N
Influent/Effluent Piping OK? (Y/N)	Y	Water Temperature (°F)	50

Heat Exchanger			
Heat (On/Off)	ON	Building Temperature (°F)	54.6
Heat Exchanger Flow (GPM)	0.0	Heat Exchanger Pressure (PSI)	8.5

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

Notes:

~8" snow cover

HP OP on --> Circ. On --> HP Press 8.5 Flow = 0

No Heat.

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Appendix C

Generally Acceptable Procedure 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

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Appendix D

Analytical Reporting Forms

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

November 11, 2013

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: 13J1242

Enclosed are results of analyses for samples received by the laboratory on October 31, 2013. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Aaron L. Benoit
Project Manager

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: 11/11/2013

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 00266406.0000

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 13J1242

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	13J1242-01	Ground Water		EPA 624	
TW-3I	13J1242-02	Ground Water		EPA 624	
TW-3D	13J1242-03	Ground Water		EPA 624	
TW-5S	13J1242-04	Ground Water		EPA 624	
TW-5I	13J1242-05	Ground Water		EPA 624	
TW-5D	13J1242-06	Ground Water		EPA 624	
TW-7S	13J1242-07	Ground Water		EPA 624	
TW-7I	13J1242-08	Ground Water		EPA 624	
TW-7D	13J1242-09	Ground Water		EPA 624	
TW-9I	13J1242-10	Ground Water		EPA 624	
TW-9D	13J1242-11	Ground Water		EPA 624	
TW-6S	13J1242-12	Ground Water		EPA 624	
TW-6I	13J1242-13	Ground Water		EPA 624	
TW-6D	13J1242-14	Ground Water		EPA 624	
TW-4I	13J1242-15	Ground Water		EPA 624	
TW-14S	13J1242-16	Ground Water		EPA 624	
TW-14I	13J1242-17	Ground Water		EPA 624	
TW-14D	13J1242-18	Ground Water		EPA 624	
TW-15	13J1242-19	Ground Water		EPA 624	
TW-X	13J1242-20	Ground Water		EPA 624	
RW-1	13J1242-21	Ground Water		EPA 624	
RW-2	13J1242-22	Ground Water		EPA 624	
EFF46HZ	13J1242-23	Ground Water		EPA 624	
TW-12I	13J1242-24	Ground Water		EPA 624	
TW-12D	13J1242-25	Ground Water		EPA 624	
Trip Blank	13J1242-26	Trip Blank Water		EPA 624	
FB	13J1242-27	Field Blank		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.

EPA 624

Qualifications:

Poor spike recovery may be indicative of sample matrix interferences. Unfortified sample is suspect.

Analyte & Samples(s) Qualified:

2-Chloroethyl Vinyl Ether

B084174-MS1, B084393-MS1

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

Analyte & Samples(s) Qualified:

1,1,1-Trichloroethane, Carbon Tetrachloride

B084174-MS1

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.

Daren J. Damboragian
Laboratory 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: 13J1242

Date Received: 10/31/2013

Field Sample #: TW-3S | Sampled: 10/29/2013 09:45

Sample ID: 13J1242-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	1.0	µg/L	1		EPA 624	11/4/13	11/5/13 21:30	LBD
Bromodichloromethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 21:30	LBD
Bromoform	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 21:30	LBD
Bromomethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 21:30	LBD
Carbon Tetrachloride	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 21:30	LBD
Chlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 21:30	LBD
Chlorodibromomethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 21:30	LBD
Chloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 21:30	LBD
2-Chloroethyl Vinyl Ether	ND	10	µg/L	1		EPA 624	11/4/13	11/5/13 21:30	LBD
Chloroform	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 21:30	LBD
Chloromethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 21:30	LBD
1,2-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 21:30	LBD
1,3-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 21:30	LBD
1,4-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 21:30	LBD
1,2-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 21:30	LBD
1,1-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 21:30	LBD
1,1-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 21:30	LBD
trans-1,2-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 21:30	LBD
1,2-Dichloropropane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 21:30	LBD
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 21:30	LBD
trans-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 21:30	LBD
Ethylbenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 21:30	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 21:30	LBD
Methylene Chloride	ND	5.0	µg/L	1		EPA 624	11/4/13	11/5/13 21:30	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 21:30	LBD
Tetrachloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 21:30	LBD
Toluene	ND	1.0	µg/L	1		EPA 624	11/4/13	11/5/13 21:30	LBD
1,1,1-Trichloroethane	2.9	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 21:30	LBD
1,1,2-Trichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 21:30	LBD
Trichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 21:30	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 21:30	LBD
Vinyl Chloride	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 21:30	LBD
m+p Xylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 21:30	LBD
o-Xylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 21:30	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	106	70-130		11/5/13 21:30
Toluene-d8	97.8	70-130		11/5/13 21:30
4-Bromofluorobenzene	96.3	70-130		11/5/13 21:30

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Project Location: Gladding Cordage | Sample Description: | Work Order: 13J1242

Date Received: 10/31/2013

Field Sample #: TW-3I | Sampled: 10/29/2013 09:50

Sample ID: 13J1242-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	1.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:01	LBD
Bromodichloromethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:01	LBD
Bromoform	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:01	LBD
Bromomethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:01	LBD
Carbon Tetrachloride	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:01	LBD
Chlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:01	LBD
Chlorodibromomethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:01	LBD
Chloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:01	LBD
2-Chloroethyl Vinyl Ether	ND	10	µg/L	1		EPA 624	11/4/13	11/5/13 22:01	LBD
Chloroform	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:01	LBD
Chloromethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:01	LBD
1,2-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:01	LBD
1,3-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:01	LBD
1,4-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:01	LBD
1,2-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:01	LBD
1,1-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:01	LBD
1,1-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:01	LBD
trans-1,2-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:01	LBD
1,2-Dichloropropane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:01	LBD
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:01	LBD
trans-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:01	LBD
Ethylbenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:01	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:01	LBD
Methylene Chloride	ND	5.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:01	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:01	LBD
Tetrachloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:01	LBD
Toluene	ND	1.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:01	LBD
1,1,1-Trichloroethane	6.1	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:01	LBD
1,1,2-Trichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:01	LBD
Trichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:01	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:01	LBD
Vinyl Chloride	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:01	LBD
m+p Xylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:01	LBD
o-Xylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:01	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	106	70-130		11/5/13 22:01
Toluene-d8	98.9	70-130		11/5/13 22:01
4-Bromofluorobenzene	97.6	70-130		11/5/13 22:01

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Project Location: Gladding Cordage | Sample Description: | Work Order: 13J1242

Date Received: 10/31/2013

Field Sample #: TW-3D | Sampled: 10/29/2013 09:55

Sample ID: 13J1242-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	1.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:31	LBD
Bromodichloromethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:31	LBD
Bromoform	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:31	LBD
Bromomethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:31	LBD
Carbon Tetrachloride	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:31	LBD
Chlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:31	LBD
Chlorodibromomethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:31	LBD
Chloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:31	LBD
2-Chloroethyl Vinyl Ether	ND	10	µg/L	1		EPA 624	11/4/13	11/5/13 22:31	LBD
Chloroform	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:31	LBD
Chloromethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:31	LBD
1,2-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:31	LBD
1,3-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:31	LBD
1,4-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:31	LBD
1,2-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:31	LBD
1,1-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:31	LBD
1,1-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:31	LBD
trans-1,2-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:31	LBD
1,2-Dichloropropane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:31	LBD
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:31	LBD
trans-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:31	LBD
Ethylbenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:31	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:31	LBD
Methylene Chloride	ND	5.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:31	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:31	LBD
Tetrachloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:31	LBD
Toluene	ND	1.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:31	LBD
1,1,1-Trichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:31	LBD
1,1,2-Trichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:31	LBD
Trichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:31	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:31	LBD
Vinyl Chloride	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:31	LBD
m+p Xylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:31	LBD
o-Xylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 22:31	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	107	70-130		11/5/13 22:31
Toluene-d8	97.9	70-130		11/5/13 22:31
4-Bromofluorobenzene	96.9	70-130		11/5/13 22:31

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Project Location: Gladding Cordage | Sample Description: | Work Order: 13J1242

Date Received: 10/31/2013

Field Sample #: TW-5S | Sampled: 10/29/2013 10:10

Sample ID: 13J1242-04

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	1.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:02	LBD
Bromodichloromethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:02	LBD
Bromoform	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:02	LBD
Bromomethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:02	LBD
Carbon Tetrachloride	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:02	LBD
Chlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:02	LBD
Chlorodibromomethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:02	LBD
Chloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:02	LBD
2-Chloroethyl Vinyl Ether	ND	10	µg/L	1		EPA 624	11/4/13	11/5/13 23:02	LBD
Chloroform	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:02	LBD
Chloromethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:02	LBD
1,2-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:02	LBD
1,3-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:02	LBD
1,4-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:02	LBD
1,2-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:02	LBD
1,1-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:02	LBD
1,1-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:02	LBD
trans-1,2-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:02	LBD
1,2-Dichloropropane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:02	LBD
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:02	LBD
trans-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:02	LBD
Ethylbenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:02	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:02	LBD
Methylene Chloride	ND	5.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:02	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:02	LBD
Tetrachloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:02	LBD
Toluene	ND	1.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:02	LBD
1,1,1-Trichloroethane	7.9	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:02	LBD
1,1,2-Trichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:02	LBD
Trichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:02	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:02	LBD
Vinyl Chloride	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:02	LBD
m+p Xylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:02	LBD
o-Xylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:02	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	105	70-130		11/5/13 23:02
Toluene-d8	98.8	70-130		11/5/13 23:02
4-Bromofluorobenzene	95.3	70-130		11/5/13 23:02

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: 13J1242

Date Received: 10/31/2013

Field Sample #: TW-5I | Sampled: 10/29/2013 10:15

Sample ID: 13J1242-05

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	1.9	1.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:32	LBD
Bromodichloromethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:32	LBD
Bromoform	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:32	LBD
Bromomethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:32	LBD
Carbon Tetrachloride	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:32	LBD
Chlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:32	LBD
Chlorodibromomethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:32	LBD
Chloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:32	LBD
2-Chloroethyl Vinyl Ether	ND	10	µg/L	1		EPA 624	11/4/13	11/5/13 23:32	LBD
Chloroform	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:32	LBD
Chloromethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:32	LBD
1,2-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:32	LBD
1,3-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:32	LBD
1,4-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:32	LBD
1,2-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:32	LBD
1,1-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:32	LBD
1,1-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:32	LBD
trans-1,2-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:32	LBD
1,2-Dichloropropane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:32	LBD
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:32	LBD
trans-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:32	LBD
Ethylbenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:32	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:32	LBD
Methylene Chloride	ND	5.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:32	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:32	LBD
Tetrachloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:32	LBD
Toluene	ND	1.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:32	LBD
1,1,1-Trichloroethane	4.1	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:32	LBD
1,1,2-Trichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:32	LBD
Trichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:32	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:32	LBD
Vinyl Chloride	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:32	LBD
m+p Xylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:32	LBD
o-Xylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 23:32	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	107	70-130		11/5/13 23:32
Toluene-d8	97.7	70-130		11/5/13 23:32
4-Bromofluorobenzene	95.1	70-130		11/5/13 23:32

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: 13J1242

Date Received: 10/31/2013

Field Sample #: TW-5D | Sampled: 10/29/2013 10:20

Sample ID: 13J1242-06

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	1.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:03	LBD
Bromodichloromethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:03	LBD
Bromoform	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:03	LBD
Bromomethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:03	LBD
Carbon Tetrachloride	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:03	LBD
Chlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:03	LBD
Chlorodibromomethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:03	LBD
Chloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:03	LBD
2-Chloroethyl Vinyl Ether	ND	10	µg/L	1		EPA 624	11/4/13	11/6/13 0:03	LBD
Chloroform	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:03	LBD
Chloromethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:03	LBD
1,2-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:03	LBD
1,3-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:03	LBD
1,4-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:03	LBD
1,2-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:03	LBD
1,1-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:03	LBD
1,1-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:03	LBD
trans-1,2-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:03	LBD
1,2-Dichloropropane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:03	LBD
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:03	LBD
trans-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:03	LBD
Ethylbenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:03	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:03	LBD
Methylene Chloride	ND	5.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:03	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:03	LBD
Tetrachloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:03	LBD
Toluene	ND	1.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:03	LBD
1,1,1-Trichloroethane	39	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:03	LBD
1,1,2-Trichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:03	LBD
Trichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:03	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:03	LBD
Vinyl Chloride	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:03	LBD
m+p Xylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:03	LBD
o-Xylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:03	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	107	70-130		11/6/13	0:03
Toluene-d8	97.3	70-130		11/6/13	0:03
4-Bromofluorobenzene	95.8	70-130		11/6/13	0:03

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: 13J1242

Date Received: 10/31/2013

Field Sample #: TW-7S | Sampled: 10/29/2013 10:30

Sample ID: 13J1242-07

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	1.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:33	LBD
Bromodichloromethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:33	LBD
Bromoform	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:33	LBD
Bromomethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:33	LBD
Carbon Tetrachloride	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:33	LBD
Chlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:33	LBD
Chlorodibromomethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:33	LBD
Chloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:33	LBD
2-Chloroethyl Vinyl Ether	ND	10	µg/L	1		EPA 624	11/4/13	11/6/13 0:33	LBD
Chloroform	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:33	LBD
Chloromethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:33	LBD
1,2-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:33	LBD
1,3-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:33	LBD
1,4-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:33	LBD
1,2-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:33	LBD
1,1-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:33	LBD
1,1-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:33	LBD
trans-1,2-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:33	LBD
1,2-Dichloropropane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:33	LBD
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:33	LBD
trans-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:33	LBD
Ethylbenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:33	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:33	LBD
Methylene Chloride	ND	5.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:33	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:33	LBD
Tetrachloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:33	LBD
Toluene	ND	1.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:33	LBD
1,1,1-Trichloroethane	12	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:33	LBD
1,1,2-Trichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:33	LBD
Trichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:33	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:33	LBD
Vinyl Chloride	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:33	LBD
m+p Xylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:33	LBD
o-Xylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 0:33	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	105	70-130		11/6/13	0:33
Toluene-d8	96.8	70-130		11/6/13	0:33
4-Bromofluorobenzene	96.9	70-130		11/6/13	0:33

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: 13J1242

Date Received: 10/31/2013

Field Sample #: TW-7I | Sampled: 10/29/2013 10:35

Sample ID: 13J1242-08

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	1.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:04	LBD
Bromodichloromethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:04	LBD
Bromoform	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:04	LBD
Bromomethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:04	LBD
Carbon Tetrachloride	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:04	LBD
Chlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:04	LBD
Chlorodibromomethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:04	LBD
Chloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:04	LBD
2-Chloroethyl Vinyl Ether	ND	10	µg/L	1		EPA 624	11/4/13	11/6/13 1:04	LBD
Chloroform	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:04	LBD
Chloromethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:04	LBD
1,2-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:04	LBD
1,3-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:04	LBD
1,4-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:04	LBD
1,2-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:04	LBD
1,1-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:04	LBD
1,1-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:04	LBD
trans-1,2-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:04	LBD
1,2-Dichloropropane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:04	LBD
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:04	LBD
trans-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:04	LBD
Ethylbenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:04	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:04	LBD
Methylene Chloride	ND	5.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:04	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:04	LBD
Tetrachloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:04	LBD
Toluene	ND	1.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:04	LBD
1,1,1-Trichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:04	LBD
1,1,2-Trichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:04	LBD
Trichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:04	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:04	LBD
Vinyl Chloride	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:04	LBD
m+p Xylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:04	LBD
o-Xylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:04	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	109	70-130		11/6/13	1:04
Toluene-d8	97.9	70-130		11/6/13	1:04
4-Bromofluorobenzene	95.4	70-130		11/6/13	1:04

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: 13J1242

Date Received: 10/31/2013

Field Sample #: TW-7D | Sampled: 10/29/2013 10:40

Sample ID: 13J1242-09

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	1.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:34	LBD
Bromodichloromethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:34	LBD
Bromoform	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:34	LBD
Bromomethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:34	LBD
Carbon Tetrachloride	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:34	LBD
Chlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:34	LBD
Chlorodibromomethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:34	LBD
Chloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:34	LBD
2-Chloroethyl Vinyl Ether	ND	10	µg/L	1		EPA 624	11/4/13	11/6/13 1:34	LBD
Chloroform	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:34	LBD
Chloromethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:34	LBD
1,2-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:34	LBD
1,3-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:34	LBD
1,4-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:34	LBD
1,2-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:34	LBD
1,1-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:34	LBD
1,1-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:34	LBD
trans-1,2-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:34	LBD
1,2-Dichloropropane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:34	LBD
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:34	LBD
trans-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:34	LBD
Ethylbenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:34	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:34	LBD
Methylene Chloride	ND	5.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:34	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:34	LBD
Tetrachloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:34	LBD
Toluene	ND	1.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:34	LBD
1,1,1-Trichloroethane	5.9	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:34	LBD
1,1,2-Trichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:34	LBD
Trichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:34	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:34	LBD
Vinyl Chloride	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:34	LBD
m+p Xylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:34	LBD
o-Xylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 1:34	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	108	70-130		11/6/13 1:34
Toluene-d8	97.2	70-130		11/6/13 1:34
4-Bromofluorobenzene	94.6	70-130		11/6/13 1:34

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: 13J1242

Date Received: 10/31/2013

Field Sample #: TW-9I | Sampled: 10/29/2013 10:45

Sample ID: 13J1242-10

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	1.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:05	LBD
Bromodichloromethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:05	LBD
Bromoform	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:05	LBD
Bromomethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:05	LBD
Carbon Tetrachloride	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:05	LBD
Chlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:05	LBD
Chlorodibromomethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:05	LBD
Chloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:05	LBD
2-Chloroethyl Vinyl Ether	ND	10	µg/L	1		EPA 624	11/4/13	11/6/13 2:05	LBD
Chloroform	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:05	LBD
Chloromethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:05	LBD
1,2-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:05	LBD
1,3-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:05	LBD
1,4-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:05	LBD
1,2-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:05	LBD
1,1-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:05	LBD
1,1-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:05	LBD
trans-1,2-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:05	LBD
1,2-Dichloropropane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:05	LBD
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:05	LBD
trans-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:05	LBD
Ethylbenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:05	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:05	LBD
Methylene Chloride	ND	5.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:05	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:05	LBD
Tetrachloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:05	LBD
Toluene	ND	1.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:05	LBD
1,1,1-Trichloroethane	4.0	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:05	LBD
1,1,2-Trichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:05	LBD
Trichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:05	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:05	LBD
Vinyl Chloride	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:05	LBD
m+p Xylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:05	LBD
o-Xylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:05	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	109	70-130		11/6/13 2:05
Toluene-d8	97.8	70-130		11/6/13 2:05
4-Bromofluorobenzene	95.4	70-130		11/6/13 2:05

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: 13J1242

Date Received: 10/31/2013

Field Sample #: TW-9D | Sampled: 10/29/2013 10:50

Sample ID: 13J1242-11

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	1.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:35	LBD
Bromodichloromethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:35	LBD
Bromoform	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:35	LBD
Bromomethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:35	LBD
Carbon Tetrachloride	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:35	LBD
Chlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:35	LBD
Chlorodibromomethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:35	LBD
Chloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:35	LBD
2-Chloroethyl Vinyl Ether	ND	10	µg/L	1		EPA 624	11/4/13	11/6/13 2:35	LBD
Chloroform	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:35	LBD
Chloromethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:35	LBD
1,2-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:35	LBD
1,3-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:35	LBD
1,4-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:35	LBD
1,2-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:35	LBD
1,1-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:35	LBD
1,1-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:35	LBD
trans-1,2-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:35	LBD
1,2-Dichloropropane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:35	LBD
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:35	LBD
trans-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:35	LBD
Ethylbenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:35	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:35	LBD
Methylene Chloride	ND	5.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:35	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:35	LBD
Tetrachloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:35	LBD
Toluene	ND	1.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:35	LBD
1,1,1-Trichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:35	LBD
1,1,2-Trichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:35	LBD
Trichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:35	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:35	LBD
Vinyl Chloride	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:35	LBD
m+p Xylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:35	LBD
o-Xylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 2:35	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	111	70-130		11/6/13 2:35
Toluene-d8	97.3	70-130		11/6/13 2:35
4-Bromofluorobenzene	92.9	70-130		11/6/13 2:35

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: 13J1242

Date Received: 10/31/2013

Field Sample #: TW-6S | Sampled: 10/29/2013 11:05

Sample ID: 13J1242-12

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	1.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:06	LBD
Bromodichloromethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:06	LBD
Bromoform	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:06	LBD
Bromomethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:06	LBD
Carbon Tetrachloride	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:06	LBD
Chlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:06	LBD
Chlorodibromomethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:06	LBD
Chloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:06	LBD
2-Chloroethyl Vinyl Ether	ND	10	µg/L	1		EPA 624	11/4/13	11/6/13 3:06	LBD
Chloroform	8.6	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:06	LBD
Chloromethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:06	LBD
1,2-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:06	LBD
1,3-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:06	LBD
1,4-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:06	LBD
1,2-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:06	LBD
1,1-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:06	LBD
1,1-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:06	LBD
trans-1,2-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:06	LBD
1,2-Dichloropropane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:06	LBD
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:06	LBD
trans-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:06	LBD
Ethylbenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:06	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:06	LBD
Methylene Chloride	ND	5.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:06	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:06	LBD
Tetrachloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:06	LBD
Toluene	ND	1.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:06	LBD
1,1,1-Trichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:06	LBD
1,1,2-Trichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:06	LBD
Trichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:06	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:06	LBD
Vinyl Chloride	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:06	LBD
m+p Xylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:06	LBD
o-Xylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:06	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	108	70-130		11/6/13 3:06
Toluene-d8	96.6	70-130		11/6/13 3:06
4-Bromofluorobenzene	96.2	70-130		11/6/13 3:06

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: 13J1242

Date Received: 10/31/2013

Field Sample #: TW-6I | Sampled: 10/29/2013 11:10

Sample ID: 13J1242-13

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	1.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:37	LBD
Bromodichloromethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:37	LBD
Bromoform	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:37	LBD
Bromomethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:37	LBD
Carbon Tetrachloride	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:37	LBD
Chlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:37	LBD
Chlorodibromomethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:37	LBD
Chloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:37	LBD
2-Chloroethyl Vinyl Ether	ND	10	µg/L	1		EPA 624	11/4/13	11/6/13 3:37	LBD
Chloroform	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:37	LBD
Chloromethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:37	LBD
1,2-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:37	LBD
1,3-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:37	LBD
1,4-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:37	LBD
1,2-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:37	LBD
1,1-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:37	LBD
1,1-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:37	LBD
trans-1,2-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:37	LBD
1,2-Dichloropropane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:37	LBD
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:37	LBD
trans-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:37	LBD
Ethylbenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:37	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:37	LBD
Methylene Chloride	ND	5.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:37	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:37	LBD
Tetrachloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:37	LBD
Toluene	ND	1.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:37	LBD
1,1,1-Trichloroethane	2.2	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:37	LBD
1,1,2-Trichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:37	LBD
Trichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:37	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:37	LBD
Vinyl Chloride	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:37	LBD
m+p Xylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:37	LBD
o-Xylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 3:37	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	109	70-130		11/6/13 3:37
Toluene-d8	97.6	70-130		11/6/13 3:37
4-Bromofluorobenzene	96.1	70-130		11/6/13 3:37

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: 13J1242

Date Received: 10/31/2013

Field Sample #: TW-6D | Sampled: 10/29/2013 11:15

Sample ID: 13J1242-14

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	1.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:07	LBD
Bromodichloromethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:07	LBD
Bromoform	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:07	LBD
Bromomethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:07	LBD
Carbon Tetrachloride	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:07	LBD
Chlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:07	LBD
Chlorodibromomethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:07	LBD
Chloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:07	LBD
2-Chloroethyl Vinyl Ether	ND	10	µg/L	1		EPA 624	11/4/13	11/6/13 4:07	LBD
Chloroform	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:07	LBD
Chloromethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:07	LBD
1,2-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:07	LBD
1,3-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:07	LBD
1,4-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:07	LBD
1,2-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:07	LBD
1,1-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:07	LBD
1,1-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:07	LBD
trans-1,2-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:07	LBD
1,2-Dichloropropane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:07	LBD
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:07	LBD
trans-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:07	LBD
Ethylbenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:07	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:07	LBD
Methylene Chloride	ND	5.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:07	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:07	LBD
Tetrachloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:07	LBD
Toluene	ND	1.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:07	LBD
1,1,1-Trichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:07	LBD
1,1,2-Trichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:07	LBD
Trichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:07	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:07	LBD
Vinyl Chloride	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:07	LBD
m+p Xylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:07	LBD
o-Xylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:07	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	109	70-130		11/6/13 4:07
Toluene-d8	99.1	70-130		11/6/13 4:07
4-Bromofluorobenzene	97.4	70-130		11/6/13 4:07

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: 13J1242

Date Received: 10/31/2013

Field Sample #: TW-4I | Sampled: 10/29/2013 11:20

Sample ID: 13J1242-15

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	1.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:38	LBD
Bromodichloromethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:38	LBD
Bromoform	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:38	LBD
Bromomethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:38	LBD
Carbon Tetrachloride	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:38	LBD
Chlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:38	LBD
Chlorodibromomethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:38	LBD
Chloroethane	2.3	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:38	LBD
2-Chloroethyl Vinyl Ether	ND	10	µg/L	1		EPA 624	11/4/13	11/6/13 4:38	LBD
Chloroform	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:38	LBD
Chloromethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:38	LBD
1,2-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:38	LBD
1,3-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:38	LBD
1,4-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:38	LBD
1,2-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:38	LBD
1,1-Dichloroethane	4.4	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:38	LBD
1,1-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:38	LBD
trans-1,2-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:38	LBD
1,2-Dichloropropane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:38	LBD
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:38	LBD
trans-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:38	LBD
Ethylbenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:38	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:38	LBD
Methylene Chloride	ND	5.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:38	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:38	LBD
Tetrachloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:38	LBD
Toluene	ND	1.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:38	LBD
1,1,1-Trichloroethane	23	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:38	LBD
1,1,2-Trichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:38	LBD
Trichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:38	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:38	LBD
Vinyl Chloride	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:38	LBD
m+p Xylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:38	LBD
o-Xylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 4:38	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	108	70-130		11/6/13 4:38
Toluene-d8	96.9	70-130		11/6/13 4:38
4-Bromofluorobenzene	97.1	70-130		11/6/13 4:38

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: 13J1242

Date Received: 10/31/2013

Field Sample #: TW-14S | Sampled: 10/29/2013 11:30

Sample ID: 13J1242-16

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	1.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:08	LBD
Bromodichloromethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:08	LBD
Bromoform	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:08	LBD
Bromomethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:08	LBD
Carbon Tetrachloride	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:08	LBD
Chlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:08	LBD
Chlorodibromomethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:08	LBD
Chloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:08	LBD
2-Chloroethyl Vinyl Ether	ND	10	µg/L	1		EPA 624	11/4/13	11/6/13 5:08	LBD
Chloroform	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:08	LBD
Chloromethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:08	LBD
1,2-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:08	LBD
1,3-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:08	LBD
1,4-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:08	LBD
1,2-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:08	LBD
1,1-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:08	LBD
1,1-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:08	LBD
trans-1,2-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:08	LBD
1,2-Dichloropropane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:08	LBD
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:08	LBD
trans-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:08	LBD
Ethylbenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:08	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:08	LBD
Methylene Chloride	ND	5.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:08	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:08	LBD
Tetrachloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:08	LBD
Toluene	ND	1.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:08	LBD
1,1,1-Trichloroethane	10	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:08	LBD
1,1,2-Trichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:08	LBD
Trichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:08	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:08	LBD
Vinyl Chloride	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:08	LBD
m+p Xylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:08	LBD
o-Xylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:08	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	111	70-130		11/6/13 5:08
Toluene-d8	97.7	70-130		11/6/13 5:08
4-Bromofluorobenzene	96.0	70-130		11/6/13 5:08

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: 13J1242

Date Received: 10/31/2013

Field Sample #: TW-14I | Sampled: 10/29/2013 11:35

Sample ID: 13J1242-17

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	1.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:39	LBD
Bromodichloromethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:39	LBD
Bromoform	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:39	LBD
Bromomethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:39	LBD
Carbon Tetrachloride	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:39	LBD
Chlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:39	LBD
Chlorodibromomethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:39	LBD
Chloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:39	LBD
2-Chloroethyl Vinyl Ether	ND	10	µg/L	1		EPA 624	11/4/13	11/6/13 5:39	LBD
Chloroform	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:39	LBD
Chloromethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:39	LBD
1,2-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:39	LBD
1,3-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:39	LBD
1,4-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:39	LBD
1,2-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:39	LBD
1,1-Dichloroethane	2.1	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:39	LBD
1,1-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:39	LBD
trans-1,2-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:39	LBD
1,2-Dichloropropane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:39	LBD
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:39	LBD
trans-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:39	LBD
Ethylbenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:39	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:39	LBD
Methylene Chloride	ND	5.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:39	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:39	LBD
Tetrachloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:39	LBD
Toluene	ND	1.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:39	LBD
1,1,1-Trichloroethane	59	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:39	LBD
1,1,2-Trichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:39	LBD
Trichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:39	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:39	LBD
Vinyl Chloride	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:39	LBD
m+p Xylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:39	LBD
o-Xylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 5:39	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	107	70-130		11/6/13 5:39
Toluene-d8	98.4	70-130		11/6/13 5:39
4-Bromofluorobenzene	96.0	70-130		11/6/13 5:39

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: 13J1242

Date Received: 10/31/2013

Field Sample #: TW-14D | Sampled: 10/29/2013 11:40

Sample ID: 13J1242-18

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	1.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:09	LBD
Bromodichloromethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:09	LBD
Bromoform	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:09	LBD
Bromomethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:09	LBD
Carbon Tetrachloride	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:09	LBD
Chlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:09	LBD
Chlorodibromomethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:09	LBD
Chloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:09	LBD
2-Chloroethyl Vinyl Ether	ND	10	µg/L	1		EPA 624	11/4/13	11/6/13 6:09	LBD
Chloroform	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:09	LBD
Chloromethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:09	LBD
1,2-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:09	LBD
1,3-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:09	LBD
1,4-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:09	LBD
1,2-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:09	LBD
1,1-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:09	LBD
1,1-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:09	LBD
trans-1,2-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:09	LBD
1,2-Dichloropropane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:09	LBD
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:09	LBD
trans-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:09	LBD
Ethylbenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:09	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:09	LBD
Methylene Chloride	ND	5.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:09	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:09	LBD
Tetrachloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:09	LBD
Toluene	ND	1.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:09	LBD
1,1,1-Trichloroethane	56	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:09	LBD
1,1,2-Trichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:09	LBD
Trichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:09	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:09	LBD
Vinyl Chloride	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:09	LBD
m+p Xylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:09	LBD
o-Xylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:09	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	107	70-130		11/6/13 6:09
Toluene-d8	96.5	70-130		11/6/13 6:09
4-Bromofluorobenzene	96.3	70-130		11/6/13 6:09

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: 13J1242

Date Received: 10/31/2013

Field Sample #: TW-15 | Sampled: 10/29/2013 11:50

Sample ID: 13J1242-19

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	1.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:40	LBD
Bromodichloromethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:40	LBD
Bromoform	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:40	LBD
Bromomethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:40	LBD
Carbon Tetrachloride	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:40	LBD
Chlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:40	LBD
Chlorodibromomethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:40	LBD
Chloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:40	LBD
2-Chloroethyl Vinyl Ether	ND	10	µg/L	1		EPA 624	11/4/13	11/6/13 6:40	LBD
Chloroform	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:40	LBD
Chloromethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:40	LBD
1,2-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:40	LBD
1,3-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:40	LBD
1,4-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:40	LBD
1,2-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:40	LBD
1,1-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:40	LBD
1,1-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:40	LBD
trans-1,2-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:40	LBD
1,2-Dichloropropane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:40	LBD
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:40	LBD
trans-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:40	LBD
Ethylbenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:40	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:40	LBD
Methylene Chloride	ND	5.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:40	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:40	LBD
Tetrachloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:40	LBD
Toluene	ND	1.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:40	LBD
1,1,1-Trichloroethane	9.4	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:40	LBD
1,1,2-Trichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:40	LBD
Trichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:40	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:40	LBD
Vinyl Chloride	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:40	LBD
m+p Xylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:40	LBD
o-Xylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 6:40	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	109	70-130		11/6/13	6:40
Toluene-d8	97.2	70-130		11/6/13	6:40
4-Bromofluorobenzene	96.0	70-130		11/6/13	6:40

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: 13J1242

Date Received: 10/31/2013

Field Sample #: TW-X | Sampled: 10/29/2013 00:00

Sample ID: 13J1242-20

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	1.0	µg/L	1		EPA 624	11/4/13	11/6/13 7:11	LBD
Bromodichloromethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 7:11	LBD
Bromoform	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 7:11	LBD
Bromomethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 7:11	LBD
Carbon Tetrachloride	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 7:11	LBD
Chlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 7:11	LBD
Chlorodibromomethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 7:11	LBD
Chloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 7:11	LBD
2-Chloroethyl Vinyl Ether	ND	10	µg/L	1		EPA 624	11/4/13	11/6/13 7:11	LBD
Chloroform	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 7:11	LBD
Chloromethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 7:11	LBD
1,2-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 7:11	LBD
1,3-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 7:11	LBD
1,4-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 7:11	LBD
1,2-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 7:11	LBD
1,1-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 7:11	LBD
1,1-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 7:11	LBD
trans-1,2-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 7:11	LBD
1,2-Dichloropropane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 7:11	LBD
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 7:11	LBD
trans-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 7:11	LBD
Ethylbenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 7:11	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 7:11	LBD
Methylene Chloride	ND	5.0	µg/L	1		EPA 624	11/4/13	11/6/13 7:11	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 7:11	LBD
Tetrachloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 7:11	LBD
Toluene	ND	1.0	µg/L	1		EPA 624	11/4/13	11/6/13 7:11	LBD
1,1,1-Trichloroethane	5.1	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 7:11	LBD
1,1,2-Trichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 7:11	LBD
Trichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 7:11	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 7:11	LBD
Vinyl Chloride	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 7:11	LBD
m+p Xylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 7:11	LBD
o-Xylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/6/13 7:11	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	110	70-130		11/6/13 7:11
Toluene-d8	97.8	70-130		11/6/13 7:11
4-Bromofluorobenzene	95.1	70-130		11/6/13 7:11

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: 13J1242

Date Received: 10/31/2013

Field Sample #: RW-1 | Sampled: 10/29/2013 12:00

Sample ID: 13J1242-21

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	1.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:40	LBD
Bromodichloromethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:40	LBD
Bromoform	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:40	LBD
Bromomethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:40	LBD
Carbon Tetrachloride	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:40	LBD
Chlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:40	LBD
Chlorodibromomethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:40	LBD
Chloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:40	LBD
2-Chloroethyl Vinyl Ether	ND	10	µg/L	1		EPA 624	11/4/13	11/4/13 23:40	LBD
Chloroform	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:40	LBD
Chloromethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:40	LBD
1,2-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:40	LBD
1,3-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:40	LBD
1,4-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:40	LBD
1,2-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:40	LBD
1,1-Dichloroethane	2.2	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:40	LBD
1,1-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:40	LBD
trans-1,2-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:40	LBD
1,2-Dichloropropane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:40	LBD
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:40	LBD
trans-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:40	LBD
Ethylbenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:40	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:40	LBD
Methylene Chloride	ND	5.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:40	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:40	LBD
Tetrachloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:40	LBD
Toluene	ND	1.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:40	LBD
1,1,1-Trichloroethane	53	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:40	LBD
1,1,2-Trichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:40	LBD
Trichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:40	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:40	LBD
Vinyl Chloride	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:40	LBD
m+p Xylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:40	LBD
o-Xylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:40	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	104	70-130		11/4/13 23:40
Toluene-d8	97.3	70-130		11/4/13 23:40
4-Bromofluorobenzene	95.4	70-130		11/4/13 23:40

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: 13J1242

Date Received: 10/31/2013

Field Sample #: RW-2 | Sampled: 10/29/2013 12:05

Sample ID: 13J1242-22

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	1.0	µg/L	1		EPA 624	11/4/13	11/5/13 0:11	LBD
Bromodichloromethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 0:11	LBD
Bromoform	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 0:11	LBD
Bromomethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 0:11	LBD
Carbon Tetrachloride	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 0:11	LBD
Chlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 0:11	LBD
Chlorodibromomethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 0:11	LBD
Chloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 0:11	LBD
2-Chloroethyl Vinyl Ether	ND	10	µg/L	1		EPA 624	11/4/13	11/5/13 0:11	LBD
Chloroform	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 0:11	LBD
Chloromethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 0:11	LBD
1,2-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 0:11	LBD
1,3-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 0:11	LBD
1,4-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 0:11	LBD
1,2-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 0:11	LBD
1,1-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 0:11	LBD
1,1-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 0:11	LBD
trans-1,2-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 0:11	LBD
1,2-Dichloropropane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 0:11	LBD
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 0:11	LBD
trans-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 0:11	LBD
Ethylbenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 0:11	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 0:11	LBD
Methylene Chloride	ND	5.0	µg/L	1		EPA 624	11/4/13	11/5/13 0:11	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 0:11	LBD
Tetrachloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 0:11	LBD
Toluene	ND	1.0	µg/L	1		EPA 624	11/4/13	11/5/13 0:11	LBD
1,1,1-Trichloroethane	49	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 0:11	LBD
1,1,2-Trichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 0:11	LBD
Trichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 0:11	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 0:11	LBD
Vinyl Chloride	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 0:11	LBD
m+p Xylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 0:11	LBD
o-Xylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/5/13 0:11	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	100	70-130		11/5/13 0:11
Toluene-d8	98.0	70-130		11/5/13 0:11
4-Bromofluorobenzene	96.9	70-130		11/5/13 0:11

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: 13J1242

Date Received: 10/31/2013

Field Sample #: EFF46HZ | Sampled: 10/29/2013 12:10

Sample ID: 13J1242-23

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	1.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:10	LBD
Bromodichloromethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:10	LBD
Bromoform	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:10	LBD
Bromomethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:10	LBD
Carbon Tetrachloride	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:10	LBD
Chlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:10	LBD
Chlorodibromomethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:10	LBD
Chloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:10	LBD
2-Chloroethyl Vinyl Ether	ND	10	µg/L	1		EPA 624	11/4/13	11/4/13 23:10	LBD
Chloroform	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:10	LBD
Chloromethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:10	LBD
1,2-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:10	LBD
1,3-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:10	LBD
1,4-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:10	LBD
1,2-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:10	LBD
1,1-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:10	LBD
1,1-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:10	LBD
trans-1,2-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:10	LBD
1,2-Dichloropropane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:10	LBD
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:10	LBD
trans-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:10	LBD
Ethylbenzene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:10	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:10	LBD
Methylene Chloride	ND	5.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:10	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:10	LBD
Tetrachloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:10	LBD
Toluene	ND	1.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:10	LBD
1,1,1-Trichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:10	LBD
1,1,2-Trichloroethane	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:10	LBD
Trichloroethylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:10	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:10	LBD
Vinyl Chloride	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:10	LBD
m+p Xylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:10	LBD
o-Xylene	ND	2.0	µg/L	1		EPA 624	11/4/13	11/4/13 23:10	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	97.6	70-130		11/4/13 23:10
Toluene-d8	96.2	70-130		11/4/13 23:10
4-Bromofluorobenzene	95.6	70-130		11/4/13 23:10

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: 13J1242

Date Received: 10/31/2013

Field Sample #: TW-12I | Sampled: 10/29/2013 12:20

Sample ID: 13J1242-24

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	1.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:25	LBD
Bromodichloromethane	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:25	LBD
Bromoform	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:25	LBD
Bromomethane	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:25	LBD
Carbon Tetrachloride	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:25	LBD
Chlorobenzene	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:25	LBD
Chlorodibromomethane	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:25	LBD
Chloroethane	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:25	LBD
2-Chloroethyl Vinyl Ether	ND	10	µg/L	1		EPA 624	11/5/13	11/5/13 15:25	LBD
Chloroform	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:25	LBD
Chloromethane	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:25	LBD
1,2-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:25	LBD
1,3-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:25	LBD
1,4-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:25	LBD
1,2-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:25	LBD
1,1-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:25	LBD
1,1-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:25	LBD
trans-1,2-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:25	LBD
1,2-Dichloropropane	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:25	LBD
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:25	LBD
trans-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:25	LBD
Ethylbenzene	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:25	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:25	LBD
Methylene Chloride	ND	5.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:25	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:25	LBD
Tetrachloroethylene	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:25	LBD
Toluene	ND	1.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:25	LBD
1,1,1-Trichloroethane	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:25	LBD
1,1,2-Trichloroethane	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:25	LBD
Trichloroethylene	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:25	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:25	LBD
Vinyl Chloride	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:25	LBD
m+p Xylene	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:25	LBD
o-Xylene	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:25	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	105	70-130		11/5/13 15:25
Toluene-d8	96.6	70-130		11/5/13 15:25
4-Bromofluorobenzene	95.8	70-130		11/5/13 15:25

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

Project Location: Gladding Cordage | Sample Description: | Work Order: 13J1242

Date Received: 10/31/2013

Field Sample #: TW-12D | Sampled: 10/29/2013 12:25

Sample ID: 13J1242-25

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	1.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:55	LBD
Bromodichloromethane	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:55	LBD
Bromoform	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:55	LBD
Bromomethane	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:55	LBD
Carbon Tetrachloride	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:55	LBD
Chlorobenzene	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:55	LBD
Chlorodibromomethane	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:55	LBD
Chloroethane	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:55	LBD
2-Chloroethyl Vinyl Ether	ND	10	µg/L	1		EPA 624	11/5/13	11/5/13 15:55	LBD
Chloroform	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:55	LBD
Chloromethane	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:55	LBD
1,2-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:55	LBD
1,3-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:55	LBD
1,4-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:55	LBD
1,2-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:55	LBD
1,1-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:55	LBD
1,1-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:55	LBD
trans-1,2-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:55	LBD
1,2-Dichloropropane	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:55	LBD
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:55	LBD
trans-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:55	LBD
Ethylbenzene	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:55	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:55	LBD
Methylene Chloride	ND	5.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:55	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:55	LBD
Tetrachloroethylene	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:55	LBD
Toluene	ND	1.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:55	LBD
1,1,1-Trichloroethane	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:55	LBD
1,1,2-Trichloroethane	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:55	LBD
Trichloroethylene	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:55	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:55	LBD
Vinyl Chloride	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:55	LBD
m+p Xylene	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:55	LBD
o-Xylene	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 15:55	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	105	70-130		11/5/13 15:55
Toluene-d8	97.5	70-130		11/5/13 15:55
4-Bromofluorobenzene	95.3	70-130		11/5/13 15:55

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: 13J1242

Date Received: 10/31/2013

Field Sample #: Trip Blank | Sampled: 10/29/2013 00:00

Sample ID: 13J1242-26

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
Benzene	ND	1.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:24	LBD
Bromodichloromethane	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:24	LBD
Bromoform	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:24	LBD
Bromomethane	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:24	LBD
Carbon Tetrachloride	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:24	LBD
Chlorobenzene	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:24	LBD
Chlorodibromomethane	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:24	LBD
Chloroethane	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:24	LBD
2-Chloroethyl Vinyl Ether	ND	10	µg/L	1		EPA 624	11/5/13	11/5/13 14:24	LBD
Chloroform	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:24	LBD
Chloromethane	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:24	LBD
1,2-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:24	LBD
1,3-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:24	LBD
1,4-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:24	LBD
1,2-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:24	LBD
1,1-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:24	LBD
1,1-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:24	LBD
trans-1,2-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:24	LBD
1,2-Dichloropropane	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:24	LBD
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:24	LBD
trans-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:24	LBD
Ethylbenzene	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:24	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:24	LBD
Methylene Chloride	ND	5.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:24	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:24	LBD
Tetrachloroethylene	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:24	LBD
Toluene	ND	1.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:24	LBD
1,1,1-Trichloroethane	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:24	LBD
1,1,2-Trichloroethane	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:24	LBD
Trichloroethylene	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:24	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:24	LBD
Vinyl Chloride	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:24	LBD
m+p Xylene	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:24	LBD
o-Xylene	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:24	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	106	70-130		11/5/13 14:24
Toluene-d8	96.6	70-130		11/5/13 14:24
4-Bromofluorobenzene	96.4	70-130		11/5/13 14:24

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

Project Location: Gladding Cordage | Sample Description: | Work Order: 13J1242

Date Received: 10/31/2013

Field Sample #: FB | Sampled: 10/29/2013 12:00

Sample ID: 13J1242-27

Sample Matrix: Field Blank

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	1.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:54	LBD
Bromodichloromethane	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:54	LBD
Bromoform	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:54	LBD
Bromomethane	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:54	LBD
Carbon Tetrachloride	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:54	LBD
Chlorobenzene	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:54	LBD
Chlorodibromomethane	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:54	LBD
Chloroethane	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:54	LBD
2-Chloroethyl Vinyl Ether	ND	10	µg/L	1		EPA 624	11/5/13	11/5/13 14:54	LBD
Chloroform	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:54	LBD
Chloromethane	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:54	LBD
1,2-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:54	LBD
1,3-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:54	LBD
1,4-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:54	LBD
1,2-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:54	LBD
1,1-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:54	LBD
1,1-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:54	LBD
trans-1,2-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:54	LBD
1,2-Dichloropropane	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:54	LBD
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:54	LBD
trans-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:54	LBD
Ethylbenzene	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:54	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:54	LBD
Methylene Chloride	ND	5.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:54	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:54	LBD
Tetrachloroethylene	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:54	LBD
Toluene	ND	1.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:54	LBD
1,1,1-Trichloroethane	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:54	LBD
1,1,2-Trichloroethane	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:54	LBD
Trichloroethylene	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:54	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:54	LBD
Vinyl Chloride	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:54	LBD
m+p Xylene	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:54	LBD
o-Xylene	ND	2.0	µg/L	1		EPA 624	11/5/13	11/5/13 14:54	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	106	70-130		11/5/13 14:54
Toluene-d8	97.9	70-130		11/5/13 14:54
4-Bromofluorobenzene	95.3	70-130		11/5/13 14:54

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Sample Extraction Data

Prep Method: SW-846 5030B-EPA 624

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
13J1242-01 [TW-3S]	B084174	5	5.00	11/04/13
13J1242-02 [TW-3I]	B084174	5	5.00	11/04/13
13J1242-03 [TW-3D]	B084174	5	5.00	11/04/13
13J1242-04 [TW-5S]	B084174	5	5.00	11/04/13
13J1242-05 [TW-5I]	B084174	5	5.00	11/04/13
13J1242-06 [TW-5D]	B084174	5	5.00	11/04/13
13J1242-07 [TW-7S]	B084174	5	5.00	11/04/13
13J1242-08 [TW-7I]	B084174	5	5.00	11/04/13
13J1242-09 [TW-7D]	B084174	5	5.00	11/04/13
13J1242-10 [TW-9I]	B084174	5	5.00	11/04/13
13J1242-11 [TW-9D]	B084174	5	5.00	11/04/13
13J1242-12 [TW-6S]	B084174	5	5.00	11/04/13
13J1242-13 [TW-6I]	B084174	5	5.00	11/04/13
13J1242-14 [TW-6D]	B084174	5	5.00	11/04/13
13J1242-15 [TW-4I]	B084174	5	5.00	11/04/13
13J1242-16 [TW-14S]	B084174	5	5.00	11/04/13
13J1242-17 [TW-14I]	B084174	5	5.00	11/04/13
13J1242-18 [TW-14D]	B084174	5	5.00	11/04/13
13J1242-19 [TW-15]	B084174	5	5.00	11/04/13
13J1242-20 [TW-X]	B084174	5	5.00	11/04/13

Prep Method: SW-846 5030B-EPA 624

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
13J1242-21 [RW-1]	B084319	5	5.00	11/04/13
13J1242-22 [RW-2]	B084319	5	5.00	11/04/13
13J1242-23 [EFF46HZ]	B084319	5	5.00	11/04/13

Prep Method: SW-846 5030B-EPA 624

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
13J1242-24 [TW-12I]	B084393	5	5.00	11/05/13
13J1242-25 [TW-12D]	B084393	5	5.00	11/05/13
13J1242-26 [Trip Blank]	B084393	5	5.00	11/05/13
13J1242-27 [FB]	B084393	5	5.00	11/05/13

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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 B084174 - SW-846 5030B										
Blank (B084174-BLK1)				Prepared: 11/04/13 Analyzed: 11/05/13						
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	*26.6*		µg/L	25.0		106	70-130			
Surrogate: Toluene-d8	*24.3*		µg/L	25.0		97.2	70-130			
Surrogate: 4-Bromofluorobenzene	*24.3*		µg/L	25.0		97.2	70-130			
LCS (B084174-BS1)				Prepared: 11/04/13 Analyzed: 11/05/13						
Benzene	11.5	1.0	µg/L	10.0		115	37-151			
Bromodichloromethane	12.8	2.0	µg/L	10.0		128	35-155			
Bromoform	10.7	2.0	µg/L	10.0		107	45-169			
Bromomethane	10.2	2.0	µg/L	10.0		102	20-242			
Carbon Tetrachloride	13.5	2.0	µg/L	10.0		135	70-140			
Chlorobenzene	10.9	2.0	µg/L	10.0		109	37-160			
Chlorodibromomethane	12.8	2.0	µg/L	10.0		128	53-149			
Chloroethane	12.7	2.0	µg/L	10.0		127	70-130			
2-Chloroethyl Vinyl Ether	122	10	µg/L	100		122	10-305			
Chloroform	12.4	2.0	µg/L	10.0		124	51-138			
Chloromethane	11.6	2.0	µg/L	10.0		116	20-273			
1,2-Dichlorobenzene	11.3	2.0	µg/L	10.0		113	18-190			
1,3-Dichlorobenzene	11.8	2.0	µg/L	10.0		118	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 B084174 - SW-846 5030B											
LCS (B084174-BS1)				Prepared: 11/04/13 Analyzed: 11/05/13							
1,4-Dichlorobenzene	11.1	2.0	µg/L	10.0		111		18-190			
1,2-Dichloroethane	12.3	2.0	µg/L	10.0		123		49-155			
1,1-Dichloroethane	12.9	2.0	µg/L	10.0		129		59-155			
1,1-Dichloroethylene	13.7	2.0	µg/L	10.0		137		20-234			
trans-1,2-Dichloroethylene	12.3	2.0	µg/L	10.0		123		54-156			
1,2-Dichloropropane	12.0	2.0	µg/L	10.0		120		20-210			
cis-1,3-Dichloropropene	12.8	2.0	µg/L	10.0		128		20-227			
trans-1,3-Dichloropropene	13.8	2.0	µg/L	10.0		138		17-183			
Ethylbenzene	12.2	2.0	µg/L	10.0		122		37-162			
Methyl tert-Butyl Ether (MTBE)	10.9	2.0	µg/L	10.0		109		70-130			
Methylene Chloride	11.2	5.0	µg/L	10.0		112		50-221			
1,1,2,2-Tetrachloroethane	10.5	2.0	µg/L	10.0		105		46-157			
Tetrachloroethylene	12.8	2.0	µg/L	10.0		128		64-148			
Toluene	11.9	1.0	µg/L	10.0		119		47-150			
1,1,1-Trichloroethane	13.7	2.0	µg/L	10.0		137		52-162			
1,1,2-Trichloroethane	11.6	2.0	µg/L	10.0		116		52-150			
Trichloroethylene	12.4	2.0	µg/L	10.0		124		71-157			
Trichlorofluoromethane (Freon 11)	13.6	2.0	µg/L	10.0		136		17-181			
Vinyl Chloride	12.6	2.0	µg/L	10.0		126		20-251			
m+p Xylene	24.6	2.0	µg/L	20.0		123		70-130			
o-Xylene	12.7	2.0	µg/L	10.0		127		70-130			
Surrogate: 1,2-Dichloroethane-d4	*25.7*		µg/L	25.0		103		70-130			
Surrogate: Toluene-d8	*25.4*		µg/L	25.0		102		70-130			
Surrogate: 4-Bromofluorobenzene	*25.7*		µg/L	25.0		103		70-130			
Matrix Spike (B084174-MS1)	**Source: 13J1242-20**			Prepared: 11/04/13 Analyzed: 11/06/13							
Benzene	11.8	1.0	µg/L	10.0	0.240	116		37-151			
Bromodichloromethane	13.5	2.0	µg/L	10.0	ND	135		35-155			
Bromoform	10.8	2.0	µg/L	10.0	ND	108		45-169			
Bromomethane	13.2	2.0	µg/L	10.0	ND	132		20-242			
Carbon Tetrachloride	14.5	2.0	µg/L	10.0	ND	**145**	*	70-140			MS-11
Chlorobenzene	10.9	2.0	µg/L	10.0	ND	109		37-160			
Chlorodibromomethane	12.8	2.0	µg/L	10.0	ND	128		53-149			
Chloroethane	12.0	2.0	µg/L	10.0	ND	120		70-130			
2-Chloroethyl Vinyl Ether	ND	10	µg/L	100	ND		*	10-305			MS-01
Chloroform	12.6	2.0	µg/L	10.0	ND	126		51-138			
Chloromethane	10.5	2.0	µg/L	10.0	ND	105		20-273			
1,2-Dichlorobenzene	11.2	2.0	µg/L	10.0	ND	112		18-190			
1,3-Dichlorobenzene	11.2	2.0	µg/L	10.0	ND	112		59-156			
1,4-Dichlorobenzene	10.8	2.0	µg/L	10.0	ND	108		18-190			
1,2-Dichloroethane	12.8	2.0	µg/L	10.0	ND	128		49-155			
1,1-Dichloroethane	13.5	2.0	µg/L	10.0	0.610	129		59-155			
1,1-Dichloroethylene	13.2	2.0	µg/L	10.0	ND	132		20-234			
trans-1,2-Dichloroethylene	12.4	2.0	µg/L	10.0	ND	124		54-156			
1,2-Dichloropropane	12.1	2.0	µg/L	10.0	ND	121		20-210			
cis-1,3-Dichloropropene	11.6	2.0	µg/L	10.0	ND	116		20-227			
trans-1,3-Dichloropropene	13.4	2.0	µg/L	10.0	ND	134		17-183			
Ethylbenzene	12.3	2.0	µg/L	10.0	ND	123		37-162			
Methyl tert-Butyl Ether (MTBE)	11.0	2.0	µg/L	10.0	ND	110		70-130			
Methylene Chloride	10.7	5.0	µg/L	10.0	ND	107		50-221			
1,1,2,2-Tetrachloroethane	11.0	2.0	µg/L	10.0	ND	110		46-157			
Tetrachloroethylene	13.2	2.0	µg/L	10.0	ND	132		64-148			

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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 B084174 - SW-846 5030B											
Matrix Spike (B084174-MS1)	**Source: 13J1242-20**			Prepared: 11/04/13 Analyzed: 11/06/13							
Toluene	12.2	1.0	µg/L	10.0	ND	122		47-150			
1,1,1-Trichloroethane	24.0	2.0	µg/L	10.0	5.13	**189**	*	52-162			MS-11
1,1,2-Trichloroethane	12.2	2.0	µg/L	10.0	ND	122		52-150			
Trichloroethylene	13.2	2.0	µg/L	10.0	ND	132		71-157			
Trichlorofluoromethane (Freon 11)	12.9	2.0	µg/L	10.0	ND	129		17-181			
Vinyl Chloride	11.2	2.0	µg/L	10.0	ND	112		20-251			
m+p Xylene	24.8	2.0	µg/L	20.0	ND	124		70-130			
o-Xylene	12.4	2.0	µg/L	10.0	ND	124		70-130			
Surrogate: 1,2-Dichloroethane-d4	*25.8*		µg/L	25.0		103		70-130			
Surrogate: Toluene-d8	*25.3*		µg/L	25.0		101		70-130			
Surrogate: 4-Bromofluorobenzene	*25.6*		µg/L	25.0		103		70-130			
Batch B084319 - SW-846 5030B											
Blank (B084319-BLK1)				Prepared & Analyzed: 11/04/13							
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		88.3		70-130			
Surrogate: Toluene-d8	*24.1*		µg/L	25.0		96.4		70-130			
Surrogate: 4-Bromofluorobenzene	*23.8*		µg/L	25.0		95.4		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 B084319 - SW-846 5030B										
LCS (B084319-BS1)				Prepared & Analyzed: 11/04/13						
Benzene	11.0	1.0	µg/L	10.0		110	37-151			
Bromodichloromethane	11.1	2.0	µg/L	10.0		111	35-155			
Bromoform	10.7	2.0	µg/L	10.0		107	45-169			
Bromomethane	18.6	2.0	µg/L	10.0		186	20-242			
Carbon Tetrachloride	11.4	2.0	µg/L	10.0		114	70-140			
Chlorobenzene	10.8	2.0	µg/L	10.0		108	37-160			
Chlorodibromomethane	11.1	2.0	µg/L	10.0		111	53-149			
Chloroethane	11.8	2.0	µg/L	10.0		118	70-130			
2-Chloroethyl Vinyl Ether	117	10	µg/L	100		117	10-305			
Chloroform	10.4	2.0	µg/L	10.0		104	51-138			
Chloromethane	10.2	2.0	µg/L	10.0		102	20-273			
1,2-Dichlorobenzene	10.7	2.0	µg/L	10.0		107	18-190			
1,3-Dichlorobenzene	11.3	2.0	µg/L	10.0		113	59-156			
1,4-Dichlorobenzene	10.5	2.0	µg/L	10.0		105	18-190			
1,2-Dichloroethane	9.15	2.0	µg/L	10.0		91.5	49-155			
1,1-Dichloroethane	11.4	2.0	µg/L	10.0		114	59-155			
1,1-Dichloroethylene	11.4	2.0	µg/L	10.0		114	20-234			
trans-1,2-Dichloroethylene	10.9	2.0	µg/L	10.0		109	54-156			
1,2-Dichloropropane	11.3	2.0	µg/L	10.0		113	20-210			
cis-1,3-Dichloropropene	12.6	2.0	µg/L	10.0		126	20-227			
trans-1,3-Dichloropropene	13.4	2.0	µg/L	10.0		134	17-183			
Ethylbenzene	11.9	2.0	µg/L	10.0		119	37-162			
Methyl tert-Butyl Ether (MTBE)	10.7	2.0	µg/L	10.0		107	70-130			
Methylene Chloride	10.4	5.0	µg/L	10.0		104	50-221			
1,1,2,2-Tetrachloroethane	10.8	2.0	µg/L	10.0		108	46-157			
Tetrachloroethylene	11.6	2.0	µg/L	10.0		116	64-148			
Toluene	10.8	1.0	µg/L	10.0		108	47-150			
1,1,1-Trichloroethane	11.3	2.0	µg/L	10.0		113	52-162			
1,1,2-Trichloroethane	10.8	2.0	µg/L	10.0		108	52-150			
Trichloroethylene	11.2	2.0	µg/L	10.0		112	71-157			
Trichlorofluoromethane (Freon 11)	9.91	2.0	µg/L	10.0		99.1	17-181			
Vinyl Chloride	10.9	2.0	µg/L	10.0		109	20-251			
m+p Xylene	23.2	2.0	µg/L	20.0		116	70-130			
o-Xylene	11.9	2.0	µg/L	10.0		119	70-130			
Surrogate: 1,2-Dichloroethane-d4	*21.0*		µg/L	25.0		83.9	70-130			
Surrogate: Toluene-d8	*24.3*		µg/L	25.0		97.1	70-130			
Surrogate: 4-Bromofluorobenzene	*25.4*		µg/L	25.0		102	70-130			
Batch B084393 - SW-846 5030B										
Blank (B084393-BLK1)				Prepared: 11/04/13 Analyzed: 11/05/13						
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							

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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 B084393 - SW-846 5030B										
Blank (B084393-BLK1)				Prepared: 11/04/13 Analyzed: 11/05/13						
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	*25.4*		µg/L	25.0		101	70-130			
Surrogate: Toluene-d8	*24.2*		µg/L	25.0		96.7	70-130			
Surrogate: 4-Bromofluorobenzene	*23.7*		µg/L	25.0		94.8	70-130			
LCS (B084393-BS1)				Prepared: 11/04/13 Analyzed: 11/05/13						
Benzene	11.2	1.0	µg/L	10.0		112	37-151			
Bromodichloromethane	11.8	2.0	µg/L	10.0		118	35-155			
Bromoform	9.85	2.0	µg/L	10.0		98.5	45-169			
Bromomethane	13.4	2.0	µg/L	10.0		134	20-242			
Carbon Tetrachloride	12.3	2.0	µg/L	10.0		123	70-140			
Chlorobenzene	10.5	2.0	µg/L	10.0		105	37-160			
Chlorodibromomethane	11.3	2.0	µg/L	10.0		113	53-149			
Chloroethane	11.8	2.0	µg/L	10.0		118	70-130			
2-Chloroethyl Vinyl Ether	117	10	µg/L	100		117	10-305			
Chloroform	11.2	2.0	µg/L	10.0		112	51-138			
Chloromethane	10.3	2.0	µg/L	10.0		103	20-273			
1,2-Dichlorobenzene	11.0	2.0	µg/L	10.0		110	18-190			
1,3-Dichlorobenzene	11.1	2.0	µg/L	10.0		111	59-156			
1,4-Dichlorobenzene	10.5	2.0	µg/L	10.0		105	18-190			
1,2-Dichloroethane	11.3	2.0	µg/L	10.0		113	49-155			
1,1-Dichloroethane	11.0	2.0	µg/L	10.0		110	59-155			
1,1-Dichloroethylene	12.3	2.0	µg/L	10.0		123	20-234			
trans-1,2-Dichloroethylene	10.3	2.0	µg/L	10.0		103	54-156			
1,2-Dichloropropane	11.2	2.0	µg/L	10.0		112	20-210			
cis-1,3-Dichloropropene	11.6	2.0	µg/L	10.0		116	20-227			
trans-1,3-Dichloropropene	12.9	2.0	µg/L	10.0		129	17-183			
Ethylbenzene	12.3	2.0	µg/L	10.0		123	37-162			
Methyl tert-Butyl Ether (MTBE)	10.2	2.0	µg/L	10.0		102	70-130			
Methylene Chloride	9.15	5.0	µg/L	10.0		91.5	50-221			
1,1,2,2-Tetrachloroethane	10.2	2.0	µg/L	10.0		102	46-157			

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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 B084393 - SW-846 5030B											
LCS (B084393-BS1)				Prepared: 11/04/13 Analyzed: 11/05/13							
Tetrachloroethylene	11.7	2.0	µg/L	10.0		117		64-148			
Toluene	11.7	1.0	µg/L	10.0		117		47-150			
1,1,1-Trichloroethane	11.9	2.0	µg/L	10.0		119		52-162			
1,1,2-Trichloroethane	11.1	2.0	µg/L	10.0		111		52-150			
Trichloroethylene	11.5	2.0	µg/L	10.0		115		71-157			
Trichlorofluoromethane (Freon 11)	11.7	2.0	µg/L	10.0		117		17-181			
Vinyl Chloride	10.9	2.0	µg/L	10.0		109		20-251			
m+p Xylene	24.4	2.0	µg/L	20.0		122		70-130			
o-Xylene	12.6	2.0	µg/L	10.0		126		70-130			
Surrogate: 1,2-Dichloroethane-d4	*24.6*		µg/L	25.0		98.2		70-130			
Surrogate: Toluene-d8	*25.3*		µg/L	25.0		101		70-130			
Surrogate: 4-Bromofluorobenzene	*25.2*		µg/L	25.0		101		70-130			
Matrix Spike (B084393-MS1)	**Source: 13J1242-25**			Prepared: 11/04/13 Analyzed: 11/05/13							
Benzene	11.3	1.0	µg/L	10.0	ND	113		37-151			
Bromodichloromethane	12.7	2.0	µg/L	10.0	ND	127		35-155			
Bromoform	10.5	2.0	µg/L	10.0	ND	105		45-169			
Bromomethane	10.2	2.0	µg/L	10.0	ND	102		20-242			
Carbon Tetrachloride	13.6	2.0	µg/L	10.0	ND	136		70-140			
Chlorobenzene	10.9	2.0	µg/L	10.0	ND	109		37-160			
Chlorodibromomethane	12.4	2.0	µg/L	10.0	ND	124		53-149			
Chloroethane	12.5	2.0	µg/L	10.0	ND	125		70-130			
2-Chloroethyl Vinyl Ether	ND	10	µg/L	100	ND		*	10-305			MS-01
Chloroform	12.2	2.0	µg/L	10.0	ND	122		51-138			
Chloromethane	8.62	2.0	µg/L	10.0	ND	86.2		20-273			
1,2-Dichlorobenzene	11.0	2.0	µg/L	10.0	ND	110		18-190			
1,3-Dichlorobenzene	11.5	2.0	µg/L	10.0	ND	115		59-156			
1,4-Dichlorobenzene	11.2	2.0	µg/L	10.0	ND	112		18-190			
1,2-Dichloroethane	11.8	2.0	µg/L	10.0	ND	118		49-155			
1,1-Dichloroethane	12.3	2.0	µg/L	10.0	ND	123		59-155			
1,1-Dichloroethylene	13.0	2.0	µg/L	10.0	ND	130		20-234			
trans-1,2-Dichloroethylene	12.0	2.0	µg/L	10.0	ND	120		54-156			
1,2-Dichloropropane	11.5	2.0	µg/L	10.0	ND	115		20-210			
cis-1,3-Dichloropropene	11.7	2.0	µg/L	10.0	ND	117		20-227			
trans-1,3-Dichloropropene	13.1	2.0	µg/L	10.0	ND	131		17-183			
Ethylbenzene	12.2	2.0	µg/L	10.0	ND	122		37-162			
Methyl tert-Butyl Ether (MTBE)	10.8	2.0	µg/L	10.0	ND	108		70-130			
Methylene Chloride	10.1	5.0	µg/L	10.0	ND	101		50-221			
1,1,2,2-Tetrachloroethane	10.7	2.0	µg/L	10.0	ND	107		46-157			
Tetrachloroethylene	12.8	2.0	µg/L	10.0	ND	128		64-148			
Toluene	11.7	1.0	µg/L	10.0	ND	117		47-150			
1,1,1-Trichloroethane	13.6	2.0	µg/L	10.0	ND	136		52-162			
1,1,2-Trichloroethane	11.5	2.0	µg/L	10.0	ND	115		52-150			
Trichloroethylene	12.5	2.0	µg/L	10.0	ND	125		71-157			
Trichlorofluoromethane (Freon 11)	12.5	2.0	µg/L	10.0	ND	125		17-181			
Vinyl Chloride	10.8	2.0	µg/L	10.0	ND	108		20-251			
m+p Xylene	24.7	2.0	µg/L	20.0	ND	124		70-130			
o-Xylene	12.4	2.0	µg/L	10.0	ND	124		70-130			
Surrogate: 1,2-Dichloroethane-d4	*25.4*		µg/L	25.0		102		70-130			
Surrogate: Toluene-d8	*25.1*		µg/L	25.0		100		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
	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.
MS-01	Poor spike recovery may be indicative of sample matrix interferences. Unfortified sample is suspect.
MS-11	Matrix spike recovery outside of control limits. Possibility of sample matrix effects that lead to a high bias for reported result or non-homogeneous sample aliquots cannot be eliminated.

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

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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	02/1/2014
MA	Massachusetts DEP	M-MA100	06/30/2014
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2014
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2014
RI	Rhode Island Department of Health	LAO00112	12/30/2013
NC	North Carolina Div. of Water Quality	652	12/31/2013
NJ	New Jersey DEP	MA007 NELAP	06/30/2014
FL	Florida Department of Health	E871027 NELAP	06/30/2014
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2014
WA	State of Washington Department of Ecology	C2065	02/23/2014
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2013
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2014

CHAIN OF CUSTODY RECORD

13J1242

Rev 04.05.12

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 RT 146, STE 210
Clifton Park, NY 12065
Attention: Jeremy Wyckoff
Project Location: Gladding Cordage
Sampled By: J. Wyckoff

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

DATA DELIVERY (check all that apply)
○ FAX ◉ EMAIL ○ WEBSITE
Fax #
Email: jeremy.wyckoff@arcadis-us.com
Format: ◉ PDF ◉ EXCEL ○ GIS ◉ OTHER NYSDEC EQuIS
○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

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	TW-3S	10/29/13	0945		X	GW	M	X	3	H	V
02	TW-3I		0950								
03	TW-3D		0955								
04	TW-5S		1010								
05	TW-5I		1015								
06	TW-5D		1020								
07	TW-7S		1030								
08	TW-7I		1035								
09	TW-7D		1040								
10	TW-9I	↓	1045		↓	↓	↓	↓			

ANALYSIS REQUESTED

Dissolved Meta
○ 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 bisulfa
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: 10/29/13 1500
Received by: (signature) Paula	2.0 0945	Date/Time: 10/3/13
Relinquished by: (signature)		Date/Time:
Received by: (signature)		Date/Time:

Turnaround ††
☐ 7-Day
■ 10-Day
☐ Other ____
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
Low level
Other: NYSASP CAT B

Is your project MCP or RCP ?
○ MCP Form Required
○ RCP Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA-LAP, LLC Accredited
WBE/DBE Certified

†† TURNAROUND TIME 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 BY OUR CLIENT.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

CHAIN OF CUSTODY RECORD

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39 Spruce Street
East longmeadow, MA 01028

Rev 04.05.12

Company Name: ARCADIS
Address: 855 Route 146, STE 210
Clifton Park, NY 12065
Attention: Jeremy Wyckoff
Project Location: ~~South~~ Gladding Cordage
Sampled By: J. Wyckoff

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

DATA DELIVERY (check all that apply)
○ FAX ◉ EMAIL ○ WEBSITE
Fax #
Email: jeremy.wyckoff@arcadis-us.com
Format: ◉ PDF ◉ EXCEL ○ GIS
◉ OTHER NYSDEC EQUIS
○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

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	3	H	V	# of Containers
11	TW-9D	10/29/13	1050		X	GW	M	X			
12	TW-6S		1105								
13	TW-6I		1110								
14	TW-6D		1115								
15	TW-4I		1120								
16	TW-14S		1130								
17	TW-14I		1135								
18	TW-14D		1140								
19	TW-15		1150								
20	TW-X	↓	—		↓	↓	↓	↓			

ANALYSIS REQUESTED
634

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:
Jeremy Wyckoff 2.0°	10/29/13 1500
Received by: (signature) Paula	Date/Time: 10/31/13 0945
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Turnaround ††
☐ 7-Day
☑ 10-Day
☐ Other ____
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
Low Level
Other: NYS ASP CAT B

Is your project MCP or RCP ?
○ MCP Form Required
○ RCP Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA-LAP, LLC Accredited
WBE/DBE Certified

Dissolved Meta
○ 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 bisulfa
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 ____

†† TURNAROUND TIME 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 BY OUR CLIENT.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

CHAIN OF CUSTODY RECORD

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Rev 04.05.12

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: AREADIS
Address: 855 RT 146, STE 210
Clifton Park, NY 12065
Attention: Jeremy Wyckoff
Project Location: Gladding Cordage
Sampled By: J. Wyckoff

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

DATA DELIVERY (check all that apply)
FAX EMAIL WEBSITE
Fax #
Email: jeremy.wyckoff@aecom.com
Format: PDF EXCEL GIS
OTHER NYSDEC EQUIS.
"Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
yes _____ proposal date

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
21	RW-1	10/29/13	1200		X		M	X	3	H	V
22	RW-2		1205					X			
23	EFF 46HZ		1210					X			
24	TW-12I		1220					X			
25	TW-12D		1225					X			
26	TRIP Blank	10/24/13	—		—		L	X			
27	FB	10/29/13	1200		X		L	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 bisulfa
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: 10/29/13 1500
Received by: (signature) 2.0°	Date/Time: 10/31/13 0945
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Turnaround ††
☐ 7-Day
☑ 10-Day
☐ Other ____
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
low level,
Other: NYS ASP CAT B.

Is your project MCP or RCP?
○ MCP Form Required
○ RCP Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA-LAP, LLC Accredited
WBE/DBE Certified

†† TURNAROUND TIME 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 BY OUR CLIENT.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

FedEx

803539086824

Ship (P/U) date
Wed 10/30/2013 5:58 pm
CLIFTON PARK, NY US

Delivered
Signed for by: P BLAKE

Actual delivery
Thur 10/31/2013 9:45 am
MA US

Travel History

Date/Time	Activity	Location
- 10/31/2013 - Thursday		
9:45 am	Delivered	MA
7:55 am	On FedEx vehicle for delivery	WINDSOR LOCKS, CT
7:15 am	At local FedEx facility	WINDSOR LOCKS, CT
6:39 am	At destination sort facility	EAST GRANBY, CT
3:35 am	Departed FedEx location	NEWARK, NJ
12:15 am	Arrived at FedEx location	NEWARK, NJ
- 10/30/2013 - Wednesday		
9:00 pm	Left FedEx origin facility	MENANDS, NY
5:58 pm	Picked up	MENANDS, NY

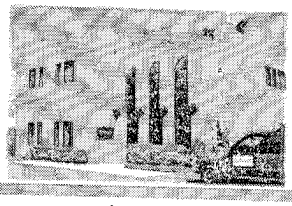
Local Scan Time

Shipment Facts

Tracking number	803539086824	**Service**	FedEx Priority Overnight
Weight	34 lbs	**Delivered To**	Shipping/Receiving
Total pieces	1	**Total shipment weight**	34 lbs / 15.4 kgs
Shipper reference	00266466 0000	**Packaging**	Your Packaging
Special handling section	Deliver Weekday		

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: 10/31/13

1) **Was the chain(s) of custody relinquished and signed?** (Yes) No No CoC Included

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 2.0 Temperature °C by Temp gun _____

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 No (N/A)

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Plastic Bag / Ziploc	
500 mL Plastic		SOC Kit	
250 mL plastic		Non-ConTest Container	
40 mL Vial - type listed below	81	Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

Laboratory Comments:

40 mL vials: # HCl 81 # 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.	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	

Doc #277 Rev. 4 August 2013

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

Log-In Technician Initials: PB **Date/Time:** 10/31/13

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

December 5, 2013

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

Project Location: South Otselic, NY
Client Job Number:
Project Number: 00266406.0000
Laboratory Work Order Number: 13K0780

Enclosed are results of analyses for samples received by the laboratory on November 19, 2013. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Aaron L. Benoit
Project Manager

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: 12/5/2013

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 00266406.0000

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 13K0780

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

PROJECT LOCATION: South Otselic, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
RW-1	13K0780-01	Ground Water		EPA 624	
RW-2	13K0780-02	Ground Water		EPA 624	
Eff 46 HZ	13K0780-03	Ground Water		EPA 624	
Trip Blank	13K0780-04	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.

Michael A. Erickson
Laboratory Director

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

Project Location: South Otselic, NY | Sample Description: | Work Order: 13K0780

Date Received: 11/19/2013

Field Sample #: RW-1 | Sampled: 11/15/2013 16:40

Sample ID: 13K0780-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	1.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:44	LBD
Bromodichloromethane	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:44	LBD
Bromoform	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:44	LBD
Bromomethane	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:44	LBD
Carbon Tetrachloride	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:44	LBD
Chlorobenzene	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:44	LBD
Chlorodibromomethane	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:44	LBD
Chloroethane	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:44	LBD
2-Chloroethyl Vinyl Ether	ND	10	µg/L	1		EPA 624	11/20/13	11/20/13 23:44	LBD
Chloroform	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:44	LBD
Chloromethane	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:44	LBD
1,2-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:44	LBD
1,3-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:44	LBD
1,4-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:44	LBD
1,2-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:44	LBD
1,1-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:44	LBD
1,1-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:44	LBD
trans-1,2-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:44	LBD
1,2-Dichloropropane	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:44	LBD
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:44	LBD
trans-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:44	LBD
Ethylbenzene	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:44	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:44	LBD
Methylene Chloride	ND	5.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:44	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:44	LBD
Tetrachloroethylene	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:44	LBD
Toluene	ND	1.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:44	LBD
1,1,1-Trichloroethane	40	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:44	LBD
1,1,2-Trichloroethane	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:44	LBD
Trichloroethylene	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:44	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:44	LBD
Vinyl Chloride	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:44	LBD
m+p Xylene	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:44	LBD
o-Xylene	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:44	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	91.4	70-130		11/20/13 23:44
Toluene-d8	98.0	70-130		11/20/13 23:44
4-Bromofluorobenzene	96.5	70-130		11/20/13 23:44

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

Project Location: South Otselic, NY | Sample Description: | Work Order: 13K0780

Date Received: 11/19/2013

Field Sample #: RW-2 | Sampled: 11/15/2013 16:45

Sample ID: 13K0780-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	1.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:15	LBD
Bromodichloromethane	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:15	LBD
Bromoform	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:15	LBD
Bromomethane	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:15	LBD
Carbon Tetrachloride	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:15	LBD
Chlorobenzene	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:15	LBD
Chlorodibromomethane	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:15	LBD
Chloroethane	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:15	LBD
2-Chloroethyl Vinyl Ether	ND	10	µg/L	1		EPA 624	11/20/13	11/21/13 0:15	LBD
Chloroform	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:15	LBD
Chloromethane	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:15	LBD
1,2-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:15	LBD
1,3-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:15	LBD
1,4-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:15	LBD
1,2-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:15	LBD
1,1-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:15	LBD
1,1-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:15	LBD
trans-1,2-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:15	LBD
1,2-Dichloropropane	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:15	LBD
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:15	LBD
trans-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:15	LBD
Ethylbenzene	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:15	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:15	LBD
Methylene Chloride	ND	5.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:15	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:15	LBD
Tetrachloroethylene	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:15	LBD
Toluene	ND	1.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:15	LBD
1,1,1-Trichloroethane	36	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:15	LBD
1,1,2-Trichloroethane	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:15	LBD
Trichloroethylene	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:15	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:15	LBD
Vinyl Chloride	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:15	LBD
m+p Xylene	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:15	LBD
o-Xylene	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:15	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	93.2	70-130		11/21/13 0:15
Toluene-d8	100	70-130		11/21/13 0:15
4-Bromofluorobenzene	95.8	70-130		11/21/13 0:15

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

Project Location: South Otselic, NY | Sample Description: | Work Order: 13K0780

Date Received: 11/19/2013

Field Sample #: Eff 46 HZ | Sampled: 11/15/2013 16:50

Sample ID: 13K0780-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	1.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:46	LBD
Bromodichloromethane	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:46	LBD
Bromoform	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:46	LBD
Bromomethane	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:46	LBD
Carbon Tetrachloride	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:46	LBD
Chlorobenzene	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:46	LBD
Chlorodibromomethane	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:46	LBD
Chloroethane	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:46	LBD
2-Chloroethyl Vinyl Ether	ND	10	µg/L	1		EPA 624	11/20/13	11/21/13 0:46	LBD
Chloroform	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:46	LBD
Chloromethane	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:46	LBD
1,2-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:46	LBD
1,3-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:46	LBD
1,4-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:46	LBD
1,2-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:46	LBD
1,1-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:46	LBD
1,1-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:46	LBD
trans-1,2-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:46	LBD
1,2-Dichloropropane	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:46	LBD
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:46	LBD
trans-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:46	LBD
Ethylbenzene	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:46	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:46	LBD
Methylene Chloride	ND	5.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:46	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:46	LBD
Tetrachloroethylene	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:46	LBD
Toluene	ND	1.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:46	LBD
1,1,1-Trichloroethane	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:46	LBD
1,1,2-Trichloroethane	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:46	LBD
Trichloroethylene	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:46	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:46	LBD
Vinyl Chloride	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:46	LBD
m+p Xylene	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:46	LBD
o-Xylene	ND	2.0	µg/L	1		EPA 624	11/20/13	11/21/13 0:46	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	93.4	70-130		11/21/13 0:46
Toluene-d8	97.8	70-130		11/21/13 0:46
4-Bromofluorobenzene	95.6	70-130		11/21/13 0:46

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

Project Location: South Otselic, NY | Sample Description: | Work Order: 13K0780

Date Received: 11/19/2013

Field Sample #: Trip Blank | Sampled: 11/15/2013 00:00

Sample ID: 13K0780-04

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
Benzene	ND	1.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:13	LBD
Bromodichloromethane	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:13	LBD
Bromoform	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:13	LBD
Bromomethane	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:13	LBD
Carbon Tetrachloride	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:13	LBD
Chlorobenzene	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:13	LBD
Chlorodibromomethane	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:13	LBD
Chloroethane	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:13	LBD
2-Chloroethyl Vinyl Ether	ND	10	µg/L	1		EPA 624	11/20/13	11/20/13 23:13	LBD
Chloroform	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:13	LBD
Chloromethane	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:13	LBD
1,2-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:13	LBD
1,3-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:13	LBD
1,4-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:13	LBD
1,2-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:13	LBD
1,1-Dichloroethane	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:13	LBD
1,1-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:13	LBD
trans-1,2-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:13	LBD
1,2-Dichloropropane	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:13	LBD
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:13	LBD
trans-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:13	LBD
Ethylbenzene	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:13	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:13	LBD
Methylene Chloride	ND	5.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:13	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:13	LBD
Tetrachloroethylene	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:13	LBD
Toluene	ND	1.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:13	LBD
1,1,1-Trichloroethane	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:13	LBD
1,1,2-Trichloroethane	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:13	LBD
Trichloroethylene	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:13	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:13	LBD
Vinyl Chloride	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:13	LBD
m+p Xylene	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:13	LBD
o-Xylene	ND	2.0	µg/L	1		EPA 624	11/20/13	11/20/13 23:13	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	93.9	70-130		11/20/13 23:13
Toluene-d8	97.6	70-130		11/20/13 23:13
4-Bromofluorobenzene	94.7	70-130		11/20/13 23:13

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Sample Extraction Data

Prep Method: SW-846 5030B-EPA 624

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
13K0780-01 [RW-1]	B085573	5	5.00	11/20/13
13K0780-02 [RW-2]	B085573	5	5.00	11/20/13
13K0780-03 [Eff 46 HZ]	B085573	5	5.00	11/20/13
13K0780-04 [Trip Blank]	B085573	5	5.00	11/20/13

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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 B085573 - SW-846 5030B										
Blank (B085573-BLK1)				Prepared & Analyzed: 11/20/13						
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	*23.8*		µg/L	25.0		95.1	70-130			
Surrogate: Toluene-d8	*24.5*		µg/L	25.0		98.0	70-130			
Surrogate: 4-Bromofluorobenzene	*23.4*		µg/L	25.0		93.6	70-130			
LCS (B085573-BS1)				Prepared & Analyzed: 11/20/13						
Benzene	10.8	1.0	µg/L	10.0		108	37-151			
Bromodichloromethane	10.4	2.0	µg/L	10.0		104	35-155			
Bromoform	9.33	2.0	µg/L	10.0		93.3	45-169			
Bromomethane	15.7	2.0	µg/L	10.0		157	20-242			
Carbon Tetrachloride	10.2	2.0	µg/L	10.0		102	70-140			
Chlorobenzene	11.2	2.0	µg/L	10.0		112	37-160			
Chlorodibromomethane	9.52	2.0	µg/L	10.0		95.2	53-149			
Chloroethane	12.1	2.0	µg/L	10.0		121	70-130			
2-Chloroethyl Vinyl Ether	118	10	µg/L	100		118	10-305			
Chloroform	11.1	2.0	µg/L	10.0		111	51-138			
Chloromethane	12.2	2.0	µg/L	10.0		122	20-273			
1,2-Dichlorobenzene	11.5	2.0	µg/L	10.0		115	18-190			
1,3-Dichlorobenzene	11.5	2.0	µg/L	10.0		115	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 B085573 - SW-846 5030B										
LCS (B085573-BS1)				Prepared & Analyzed: 11/20/13						
1,4-Dichlorobenzene	11.0	2.0	µg/L	10.0		110	18-190			
1,2-Dichloroethane	11.1	2.0	µg/L	10.0		111	49-155			
1,1-Dichloroethane	9.19	2.0	µg/L	10.0		91.9	59-155			
1,1-Dichloroethylene	11.5	2.0	µg/L	10.0		115	20-234			
trans-1,2-Dichloroethylene	9.56	2.0	µg/L	10.0		95.6	54-156			
1,2-Dichloropropane	11.1	2.0	µg/L	10.0		111	20-210			
cis-1,3-Dichloropropene	10.2	2.0	µg/L	10.0		102	20-227			
trans-1,3-Dichloropropene	9.74	2.0	µg/L	10.0		97.4	17-183			
Ethylbenzene	11.5	2.0	µg/L	10.0		115	37-162			
Methyl tert-Butyl Ether (MTBE)	9.77	2.0	µg/L	10.0		97.7	70-130			
Methylene Chloride	8.31	5.0	µg/L	10.0		83.1	50-221			
1,1,2,2-Tetrachloroethane	10.6	2.0	µg/L	10.0		106	46-157			
Tetrachloroethylene	10.9	2.0	µg/L	10.0		109	64-148			
Toluene	11.2	1.0	µg/L	10.0		112	47-150			
1,1,1-Trichloroethane	10.6	2.0	µg/L	10.0		106	52-162			
1,1,2-Trichloroethane	10.8	2.0	µg/L	10.0		108	52-150			
Trichloroethylene	11.0	2.0	µg/L	10.0		110	71-157			
Trichlorofluoromethane (Freon 11)	11.6	2.0	µg/L	10.0		116	17-181			
Vinyl Chloride	12.0	2.0	µg/L	10.0		120	20-251			
m+p Xylene	23.4	2.0	µg/L	20.0		117	70-130			
o-Xylene	11.5	2.0	µg/L	10.0		115	70-130			
Surrogate: 1,2-Dichloroethane-d4	*23.6*		µg/L	25.0		94.5	70-130			
Surrogate: Toluene-d8	*24.8*		µg/L	25.0		99.4	70-130			
Surrogate: 4-Bromofluorobenzene	*24.9*		µg/L	25.0		99.5	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

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.

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

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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	02/1/2014
MA	Massachusetts DEP	M-MA100	06/30/2014
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2014
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2014
RI	Rhode Island Department of Health	LAO00112	12/30/2013
NC	North Carolina Div. of Water Quality	652	12/31/2013
NJ	New Jersey DEP	MA007 NELAP	06/30/2014
FL	Florida Department of Health	E871027 NELAP	06/30/2014
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2014
WA	State of Washington Department of Ecology	C2065	02/23/2014
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2013
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2014

CHAIN OF CUSTODY RECORD

13K0780

Rev 04.05.12

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

Page 1 of

Company Name: ARCADIS
Telephone: 518-250-7300
Address: 855 Route 146 STE 210
Clifton Park, NY 12065
Project # 00266406.0000
Client PO#
Attention: Jeremy Wyckoff
Project Location: Stotselic, NY
Sampled By: J. Wyckoff

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

DATA DELIVERY (check all that apply)
○ FAX ● EMAIL ○ WEBSITE
Fax #
Email: jeremy.wyckoff@arcadis-us.com
Format: ● PDF ● EXCEL ○ GIS
○ OTHER NYS DEC EQUIS
○ "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	# of Containers	** Preservation	***Container Code
01	RW-1	11/15/13	1640		X	GW	M	1	H	V
02	RW-2	11/15/13	1645		X	GW	M	1	H	V
03	Eff 46 HZ	11/15/13	1650		X	GW	L	1	H	V
04	Trip Blank	-	-		-	-	-	1	H	V

ANALYSIS REQUESTED
624

Dissolved Meta
○ 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 bisulfa
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:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature) 3.4C 11-19-13	Date/Time:

Turnaround ††
☐ 7-Day
☒ 10-Day
☐ Other
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
NYS ASP CAT B.
Other:

Is your project MCP or RCP?
○ MCP Form Required
○ RCP Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA-LAP, LLC Accredited
WBE/DBE Certified

†† TURNAROUND TIME 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 BY OUR CLIENT.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

FedEx

804365039150

Ship (P/U) date :
Mon 11/18/2013 5:57 pm
CLI US

Delivered
Signed for by: P BLAKE

Actual delivery :
Tues 11/19/2013 9:52 am
MA US

Travel History

Date/Time	Activity	Location
- 11/19/2013 - Tuesday		
9:52 am	Delivered	MA
8:05 am	On FedEx vehicle for delivery	WINDSOR LOCKS, CT
6:58 am	At local FedEx facility	WINDSOR LOCKS, CT
3:15 am	Departed FedEx location	NEWARK, NJ
- 11/18/2013 - Monday		
11:16 pm	Arrived at FedEx location	NEWARK, NJ
7:37 pm	Left FedEx origin facility	WATERTOWN, NY
5:57 pm	Picked up	WATERTOWN, NY

Local Scan Time

Shipment Facts

Tracking number	804365039150	**Service**	FedEx Priority Overnight
Dimensions	13x10x9 in.	**Delivered To**	Shipping/Receiving
Total pieces	1	**Packaging**	Your Packaging
Special handling section	Deliver Weekday		

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:** LW **DATE:** 11-18-2013

19

1) **Was the chain(s) of custody relinquished and signed?** (Yes) No **No CoC Included**

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 n/a Temperature °C by Temp gun 3.4C

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:** 19

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 No (N/A)

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Plastic Bag / Ziploc	
500 mL Plastic		SOC Kit	
250 mL plastic		Non-ConTest Container	
40 mL Vial - type listed below	12	Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

Laboratory Comments:

40 mL vials: # HCl 12 # 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.	n/a	
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.	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.		
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.	n/a	

Who notified of False statements? **Date/Time:** 11-18-2013

Log-In Technician Initials: LW **Date/Time:** 17:30

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

January 2, 2014

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

Project Location: South Otselic, NY
Client Job Number:
Project Number: 00266406.0000
Laboratory Work Order Number: 13L0881

Enclosed are results of analyses for samples received by the laboratory on December 23, 2013. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Aaron L. Benoit
Project Manager

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

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

REPORT DATE: 1/2/2014

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 00266406.0000

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 13L0881

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

PROJECT LOCATION: South Otselic, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
RW-1	13L0881-01	Ground Water		EPA 624	
RW-2	13L0881-02	Ground Water		EPA 624	
Eff 46 HZ	13L0881-03	Ground Water		EPA 624	
Trip Blank	13L0881-04	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.

Michael A. Erickson
Laboratory Director

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

Project Location: South Otselic, NY | Sample Description: | Work Order: 13L0881

Date Received: 12/23/2013

Field Sample #: RW-1 | Sampled: 12/20/2013 09:50

Sample ID: 13L0881-01

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	0.079	µg/L	1		EPA 624	12/24/13	12/25/13 15:49	EEH
Bromodichloromethane	ND	2.0	0.088	µg/L	1		EPA 624	12/24/13	12/25/13 15:49	EEH
Bromoform	ND	2.0	0.21	µg/L	1		EPA 624	12/24/13	12/25/13 15:49	EEH
Bromomethane	ND	2.0	0.94	µg/L	1		EPA 624	12/24/13	12/25/13 15:49	EEH
Carbon Tetrachloride	ND	2.0	0.10	µg/L	1		EPA 624	12/24/13	12/25/13 15:49	EEH
Chlorobenzene	ND	2.0	0.12	µg/L	1		EPA 624	12/24/13	12/25/13 15:49	EEH
Chlorodibromomethane	ND	2.0	0.054	µg/L	1		EPA 624	12/24/13	12/25/13 15:49	EEH
Chloroethane	ND	2.0	0.16	µg/L	1		EPA 624	12/24/13	12/25/13 15:49	EEH
2-Chloroethyl Vinyl Ether	ND	10	2.2	µg/L	1		EPA 624	12/24/13	12/25/13 15:49	EEH
Chloroform	ND	2.0	0.14	µg/L	1		EPA 624	12/24/13	12/25/13 15:49	EEH
Chloromethane	ND	2.0	0.32	µg/L	1		EPA 624	12/24/13	12/25/13 15:49	EEH
1,2-Dichlorobenzene	ND	2.0	0.076	µg/L	1		EPA 624	12/24/13	12/25/13 15:49	EEH
1,3-Dichlorobenzene	ND	2.0	0.079	µg/L	1		EPA 624	12/24/13	12/25/13 15:49	EEH
1,4-Dichlorobenzene	ND	2.0	0.046	µg/L	1		EPA 624	12/24/13	12/25/13 15:49	EEH
1,2-Dichloroethane	ND	2.0	0.19	µg/L	1		EPA 624	12/24/13	12/25/13 15:49	EEH
1,1-Dichloroethane	1.7	2.0	0.16	µg/L	1	J	EPA 624	12/24/13	12/25/13 15:49	EEH
1,1-Dichloroethylene	1.0	2.0	0.21	µg/L	1	J	EPA 624	12/24/13	12/25/13 15:49	EEH
trans-1,2-Dichloroethylene	ND	2.0	0.15	µg/L	1		EPA 624	12/24/13	12/25/13 15:49	EEH
1,2-Dichloropropane	ND	2.0	0.11	µg/L	1		EPA 624	12/24/13	12/25/13 15:49	EEH
cis-1,3-Dichloropropene	ND	2.0	0.062	µg/L	1		EPA 624	12/24/13	12/25/13 15:49	EEH
trans-1,3-Dichloropropene	ND	2.0	0.056	µg/L	1		EPA 624	12/24/13	12/25/13 15:49	EEH
Ethylbenzene	ND	2.0	0.092	µg/L	1		EPA 624	12/24/13	12/25/13 15:49	EEH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.090	µg/L	1		EPA 624	12/24/13	12/25/13 15:49	EEH
Methylene Chloride	ND	5.0	3.2	µg/L	1		EPA 624	12/24/13	12/25/13 15:49	EEH
1,1,2,2-Tetrachloroethane	ND	2.0	0.12	µg/L	1		EPA 624	12/24/13	12/25/13 15:49	EEH
Tetrachloroethylene	ND	2.0	0.080	µg/L	1		EPA 624	12/24/13	12/25/13 15:49	EEH
Toluene	ND	1.0	0.090	µg/L	1		EPA 624	12/24/13	12/25/13 15:49	EEH
1,1,1-Trichloroethane	42	2.0	0.094	µg/L	1		EPA 624	12/24/13	12/25/13 15:49	EEH
1,1,2-Trichloroethane	ND	2.0	0.12	µg/L	1		EPA 624	12/24/13	12/25/13 15:49	EEH
Trichloroethylene	ND	2.0	0.077	µg/L	1		EPA 624	12/24/13	12/25/13 15:49	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		EPA 624	12/24/13	12/25/13 15:49	EEH
Vinyl Chloride	ND	2.0	0.13	µg/L	1		EPA 624	12/24/13	12/25/13 15:49	EEH
m+p Xylene	ND	2.0	0.18	µg/L	1		EPA 624	12/24/13	12/25/13 15:49	EEH
o-Xylene	ND	2.0	0.11	µg/L	1		EPA 624	12/24/13	12/25/13 15:49	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	87.8	70-130		12/25/13 15:49
Toluene-d8	101	70-130		12/25/13 15:49
4-Bromofluorobenzene	102	70-130		12/25/13 15:49

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Project Location: South Otselic, NY | Sample Description: | Work Order: 13L0881

Date Received: 12/23/2013

Field Sample #: RW-2 | Sampled: 12/20/2013 09:55

Sample ID: 13L0881-02

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	0.079	µg/L	1		EPA 624	12/24/13	12/25/13 15:23	EEH
Bromodichloromethane	ND	2.0	0.088	µg/L	1		EPA 624	12/24/13	12/25/13 15:23	EEH
Bromoform	ND	2.0	0.21	µg/L	1		EPA 624	12/24/13	12/25/13 15:23	EEH
Bromomethane	ND	2.0	0.94	µg/L	1		EPA 624	12/24/13	12/25/13 15:23	EEH
Carbon Tetrachloride	ND	2.0	0.10	µg/L	1		EPA 624	12/24/13	12/25/13 15:23	EEH
Chlorobenzene	ND	2.0	0.12	µg/L	1		EPA 624	12/24/13	12/25/13 15:23	EEH
Chlorodibromomethane	ND	2.0	0.054	µg/L	1		EPA 624	12/24/13	12/25/13 15:23	EEH
Chloroethane	ND	2.0	0.16	µg/L	1		EPA 624	12/24/13	12/25/13 15:23	EEH
2-Chloroethyl Vinyl Ether	ND	10	2.2	µg/L	1		EPA 624	12/24/13	12/25/13 15:23	EEH
Chloroform	ND	2.0	0.14	µg/L	1		EPA 624	12/24/13	12/25/13 15:23	EEH
Chloromethane	ND	2.0	0.32	µg/L	1		EPA 624	12/24/13	12/25/13 15:23	EEH
1,2-Dichlorobenzene	ND	2.0	0.076	µg/L	1		EPA 624	12/24/13	12/25/13 15:23	EEH
1,3-Dichlorobenzene	ND	2.0	0.079	µg/L	1		EPA 624	12/24/13	12/25/13 15:23	EEH
1,4-Dichlorobenzene	ND	2.0	0.046	µg/L	1		EPA 624	12/24/13	12/25/13 15:23	EEH
1,2-Dichloroethane	ND	2.0	0.19	µg/L	1		EPA 624	12/24/13	12/25/13 15:23	EEH
1,1-Dichloroethane	0.77	2.0	0.16	µg/L	1	J	EPA 624	12/24/13	12/25/13 15:23	EEH
1,1-Dichloroethylene	0.69	2.0	0.21	µg/L	1	J	EPA 624	12/24/13	12/25/13 15:23	EEH
trans-1,2-Dichloroethylene	ND	2.0	0.15	µg/L	1		EPA 624	12/24/13	12/25/13 15:23	EEH
1,2-Dichloropropane	ND	2.0	0.11	µg/L	1		EPA 624	12/24/13	12/25/13 15:23	EEH
cis-1,3-Dichloropropene	ND	2.0	0.062	µg/L	1		EPA 624	12/24/13	12/25/13 15:23	EEH
trans-1,3-Dichloropropene	ND	2.0	0.056	µg/L	1		EPA 624	12/24/13	12/25/13 15:23	EEH
Ethylbenzene	ND	2.0	0.092	µg/L	1		EPA 624	12/24/13	12/25/13 15:23	EEH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.090	µg/L	1		EPA 624	12/24/13	12/25/13 15:23	EEH
Methylene Chloride	ND	5.0	3.2	µg/L	1		EPA 624	12/24/13	12/25/13 15:23	EEH
1,1,2,2-Tetrachloroethane	ND	2.0	0.12	µg/L	1		EPA 624	12/24/13	12/25/13 15:23	EEH
Tetrachloroethylene	ND	2.0	0.080	µg/L	1		EPA 624	12/24/13	12/25/13 15:23	EEH
Toluene	ND	1.0	0.090	µg/L	1		EPA 624	12/24/13	12/25/13 15:23	EEH
1,1,1-Trichloroethane	35	2.0	0.094	µg/L	1		EPA 624	12/24/13	12/25/13 15:23	EEH
1,1,2-Trichloroethane	ND	2.0	0.12	µg/L	1		EPA 624	12/24/13	12/25/13 15:23	EEH
Trichloroethylene	ND	2.0	0.077	µg/L	1		EPA 624	12/24/13	12/25/13 15:23	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		EPA 624	12/24/13	12/25/13 15:23	EEH
Vinyl Chloride	ND	2.0	0.13	µg/L	1		EPA 624	12/24/13	12/25/13 15:23	EEH
m+p Xylene	ND	2.0	0.18	µg/L	1		EPA 624	12/24/13	12/25/13 15:23	EEH
o-Xylene	ND	2.0	0.11	µg/L	1		EPA 624	12/24/13	12/25/13 15:23	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	87.3	70-130		12/25/13 15:23
Toluene-d8	105	70-130		12/25/13 15:23
4-Bromofluorobenzene	105	70-130		12/25/13 15:23

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Project Location: South Otselic, NY | Sample Description: | Work Order: 13L0881

Date Received: 12/23/2013

Field Sample #: Eff 46 HZ | Sampled: 12/20/2013 10:00

Sample ID: 13L0881-03

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	0.079	µg/L	1		EPA 624	12/24/13	12/25/13 14:56	EEH
Bromodichloromethane	ND	2.0	0.088	µg/L	1		EPA 624	12/24/13	12/25/13 14:56	EEH
Bromoform	ND	2.0	0.21	µg/L	1		EPA 624	12/24/13	12/25/13 14:56	EEH
Bromomethane	ND	2.0	0.94	µg/L	1		EPA 624	12/24/13	12/25/13 14:56	EEH
Carbon Tetrachloride	ND	2.0	0.10	µg/L	1		EPA 624	12/24/13	12/25/13 14:56	EEH
Chlorobenzene	ND	2.0	0.12	µg/L	1		EPA 624	12/24/13	12/25/13 14:56	EEH
Chlorodibromomethane	ND	2.0	0.054	µg/L	1		EPA 624	12/24/13	12/25/13 14:56	EEH
Chloroethane	ND	2.0	0.16	µg/L	1		EPA 624	12/24/13	12/25/13 14:56	EEH
2-Chloroethyl Vinyl Ether	ND	10	2.2	µg/L	1		EPA 624	12/24/13	12/25/13 14:56	EEH
Chloroform	ND	2.0	0.14	µg/L	1		EPA 624	12/24/13	12/25/13 14:56	EEH
Chloromethane	ND	2.0	0.32	µg/L	1		EPA 624	12/24/13	12/25/13 14:56	EEH
1,2-Dichlorobenzene	ND	2.0	0.076	µg/L	1		EPA 624	12/24/13	12/25/13 14:56	EEH
1,3-Dichlorobenzene	ND	2.0	0.079	µg/L	1		EPA 624	12/24/13	12/25/13 14:56	EEH
1,4-Dichlorobenzene	ND	2.0	0.046	µg/L	1		EPA 624	12/24/13	12/25/13 14:56	EEH
1,2-Dichloroethane	ND	2.0	0.19	µg/L	1		EPA 624	12/24/13	12/25/13 14:56	EEH
1,1-Dichloroethane	ND	2.0	0.16	µg/L	1		EPA 624	12/24/13	12/25/13 14:56	EEH
1,1-Dichloroethylene	ND	2.0	0.21	µg/L	1		EPA 624	12/24/13	12/25/13 14:56	EEH
trans-1,2-Dichloroethylene	ND	2.0	0.15	µg/L	1		EPA 624	12/24/13	12/25/13 14:56	EEH
1,2-Dichloropropane	ND	2.0	0.11	µg/L	1		EPA 624	12/24/13	12/25/13 14:56	EEH
cis-1,3-Dichloropropene	ND	2.0	0.062	µg/L	1		EPA 624	12/24/13	12/25/13 14:56	EEH
trans-1,3-Dichloropropene	ND	2.0	0.056	µg/L	1		EPA 624	12/24/13	12/25/13 14:56	EEH
Ethylbenzene	ND	2.0	0.092	µg/L	1		EPA 624	12/24/13	12/25/13 14:56	EEH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.090	µg/L	1		EPA 624	12/24/13	12/25/13 14:56	EEH
Methylene Chloride	ND	5.0	3.2	µg/L	1		EPA 624	12/24/13	12/25/13 14:56	EEH
1,1,2,2-Tetrachloroethane	ND	2.0	0.12	µg/L	1		EPA 624	12/24/13	12/25/13 14:56	EEH
Tetrachloroethylene	ND	2.0	0.080	µg/L	1		EPA 624	12/24/13	12/25/13 14:56	EEH
Toluene	ND	1.0	0.090	µg/L	1		EPA 624	12/24/13	12/25/13 14:56	EEH
1,1,1-Trichloroethane	ND	2.0	0.094	µg/L	1		EPA 624	12/24/13	12/25/13 14:56	EEH
1,1,2-Trichloroethane	ND	2.0	0.12	µg/L	1		EPA 624	12/24/13	12/25/13 14:56	EEH
Trichloroethylene	ND	2.0	0.077	µg/L	1		EPA 624	12/24/13	12/25/13 14:56	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		EPA 624	12/24/13	12/25/13 14:56	EEH
Vinyl Chloride	ND	2.0	0.13	µg/L	1		EPA 624	12/24/13	12/25/13 14:56	EEH
m+p Xylene	ND	2.0	0.18	µg/L	1		EPA 624	12/24/13	12/25/13 14:56	EEH
o-Xylene	ND	2.0	0.11	µg/L	1		EPA 624	12/24/13	12/25/13 14:56	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	85.9	70-130		12/25/13 14:56
Toluene-d8	104	70-130		12/25/13 14:56
4-Bromofluorobenzene	102	70-130		12/25/13 14:56

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Project Location: South Otselic, NY | Sample Description: | Work Order: 13L0881

Date Received: 12/23/2013

Field Sample #: Trip Blank | Sampled: 12/20/2013 00:00

Sample ID: 13L0881-04

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	0.079	µg/L	1		EPA 624	12/24/13	12/25/13 14:30	EEH
Bromodichloromethane	ND	2.0	0.088	µg/L	1		EPA 624	12/24/13	12/25/13 14:30	EEH
Bromoform	ND	2.0	0.21	µg/L	1		EPA 624	12/24/13	12/25/13 14:30	EEH
Bromomethane	ND	2.0	0.94	µg/L	1		EPA 624	12/24/13	12/25/13 14:30	EEH
Carbon Tetrachloride	ND	2.0	0.10	µg/L	1		EPA 624	12/24/13	12/25/13 14:30	EEH
Chlorobenzene	ND	2.0	0.12	µg/L	1		EPA 624	12/24/13	12/25/13 14:30	EEH
Chlorodibromomethane	ND	2.0	0.054	µg/L	1		EPA 624	12/24/13	12/25/13 14:30	EEH
Chloroethane	ND	2.0	0.16	µg/L	1		EPA 624	12/24/13	12/25/13 14:30	EEH
2-Chloroethyl Vinyl Ether	ND	10	2.2	µg/L	1		EPA 624	12/24/13	12/25/13 14:30	EEH
Chloroform	ND	2.0	0.14	µg/L	1		EPA 624	12/24/13	12/25/13 14:30	EEH
Chloromethane	ND	2.0	0.32	µg/L	1		EPA 624	12/24/13	12/25/13 14:30	EEH
1,2-Dichlorobenzene	ND	2.0	0.076	µg/L	1		EPA 624	12/24/13	12/25/13 14:30	EEH
1,3-Dichlorobenzene	ND	2.0	0.079	µg/L	1		EPA 624	12/24/13	12/25/13 14:30	EEH
1,4-Dichlorobenzene	ND	2.0	0.046	µg/L	1		EPA 624	12/24/13	12/25/13 14:30	EEH
1,2-Dichloroethane	ND	2.0	0.19	µg/L	1		EPA 624	12/24/13	12/25/13 14:30	EEH
1,1-Dichloroethane	ND	2.0	0.16	µg/L	1		EPA 624	12/24/13	12/25/13 14:30	EEH
1,1-Dichloroethylene	ND	2.0	0.21	µg/L	1		EPA 624	12/24/13	12/25/13 14:30	EEH
trans-1,2-Dichloroethylene	ND	2.0	0.15	µg/L	1		EPA 624	12/24/13	12/25/13 14:30	EEH
1,2-Dichloropropane	ND	2.0	0.11	µg/L	1		EPA 624	12/24/13	12/25/13 14:30	EEH
cis-1,3-Dichloropropene	ND	2.0	0.062	µg/L	1		EPA 624	12/24/13	12/25/13 14:30	EEH
trans-1,3-Dichloropropene	ND	2.0	0.056	µg/L	1		EPA 624	12/24/13	12/25/13 14:30	EEH
Ethylbenzene	ND	2.0	0.092	µg/L	1		EPA 624	12/24/13	12/25/13 14:30	EEH
Methyl tert-Butyl Ether (MTBE)	ND	2.0	0.090	µg/L	1		EPA 624	12/24/13	12/25/13 14:30	EEH
Methylene Chloride	ND	5.0	3.2	µg/L	1		EPA 624	12/24/13	12/25/13 14:30	EEH
1,1,2,2-Tetrachloroethane	ND	2.0	0.12	µg/L	1		EPA 624	12/24/13	12/25/13 14:30	EEH
Tetrachloroethylene	ND	2.0	0.080	µg/L	1		EPA 624	12/24/13	12/25/13 14:30	EEH
Toluene	ND	1.0	0.090	µg/L	1		EPA 624	12/24/13	12/25/13 14:30	EEH
1,1,1-Trichloroethane	ND	2.0	0.094	µg/L	1		EPA 624	12/24/13	12/25/13 14:30	EEH
1,1,2-Trichloroethane	ND	2.0	0.12	µg/L	1		EPA 624	12/24/13	12/25/13 14:30	EEH
Trichloroethylene	ND	2.0	0.077	µg/L	1		EPA 624	12/24/13	12/25/13 14:30	EEH
Trichlorofluoromethane (Freon 11)	ND	2.0	0.15	µg/L	1		EPA 624	12/24/13	12/25/13 14:30	EEH
Vinyl Chloride	ND	2.0	0.13	µg/L	1		EPA 624	12/24/13	12/25/13 14:30	EEH
m+p Xylene	ND	2.0	0.18	µg/L	1		EPA 624	12/24/13	12/25/13 14:30	EEH
o-Xylene	ND	2.0	0.11	µg/L	1		EPA 624	12/24/13	12/25/13 14:30	EEH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	85.0	70-130		12/25/13 14:30
Toluene-d8	103	70-130		12/25/13 14:30
4-Bromofluorobenzene	101	70-130		12/25/13 14:30

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Sample Extraction Data

Prep Method: SW-846 5030B-EPA 624

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
13L0881-01 [RW-1]	B087756	5	5.00	12/24/13
13L0881-02 [RW-2]	B087756	5	5.00	12/24/13
13L0881-03 [Eff 46 HZ]	B087756	5	5.00	12/24/13
13L0881-04 [Trip Blank]	B087756	5	5.00	12/24/13

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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 B087756 - SW-846 5030B										
Blank (B087756-BLK1)				Prepared: 12/24/13 Analyzed: 12/25/13						
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	*22.0*		µg/L	25.0		88.0	70-130			
Surrogate: Toluene-d8	*26.0*		µg/L	25.0		104	70-130			
Surrogate: 4-Bromofluorobenzene	*26.3*		µg/L	25.0		105	70-130			
LCS (B087756-BS1)				Prepared: 12/24/13 Analyzed: 12/25/13						
Benzene	9.04	1.0	µg/L	10.0		90.4	37-151			
Bromodichloromethane	9.94	2.0	µg/L	10.0		99.4	35-155			
Bromoform	10.7	2.0	µg/L	10.0		107	45-169			
Bromomethane	20.1	2.0	µg/L	10.0		201	20-242			
Carbon Tetrachloride	10.0	2.0	µg/L	10.0		100	70-140			
Chlorobenzene	9.59	2.0	µg/L	10.0		95.9	37-160			
Chlorodibromomethane	11.4	2.0	µg/L	10.0		114	53-149			
Chloroethane	10.6	2.0	µg/L	10.0		106	70-130			
2-Chloroethyl Vinyl Ether	33.9	10	µg/L	100		33.9	10-305			
Chloroform	9.67	2.0	µg/L	10.0		96.7	51-138			
Chloromethane	14.6	2.0	µg/L	10.0		146	20-273			
1,2-Dichlorobenzene	9.20	2.0	µg/L	10.0		92.0	18-190			
1,3-Dichlorobenzene	9.26	2.0	µg/L	10.0		92.6	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 B087756 - SW-846 5030B										
LCS (B087756-BS1)				Prepared: 12/24/13 Analyzed: 12/25/13						
1,4-Dichlorobenzene	9.05	2.0	µg/L	10.0		90.5	18-190			
1,2-Dichloroethane	9.35	2.0	µg/L	10.0		93.5	49-155			
1,1-Dichloroethane	9.36	2.0	µg/L	10.0		93.6	59-155			
1,1-Dichloroethylene	9.26	2.0	µg/L	10.0		92.6	20-234			
trans-1,2-Dichloroethylene	9.88	2.0	µg/L	10.0		98.8	54-156			
1,2-Dichloropropane	9.42	2.0	µg/L	10.0		94.2	20-210			
cis-1,3-Dichloropropene	9.85	2.0	µg/L	10.0		98.5	20-227			
trans-1,3-Dichloropropene	9.64	2.0	µg/L	10.0		96.4	17-183			
Ethylbenzene	9.46	2.0	µg/L	10.0		94.6	37-162			
Methyl tert-Butyl Ether (MTBE)	9.03	2.0	µg/L	10.0		90.3	70-130			
Methylene Chloride	11.8	5.0	µg/L	10.0		118	50-221			
1,1,2,2-Tetrachloroethane	10.3	2.0	µg/L	10.0		103	46-157			
Tetrachloroethylene	9.98	2.0	µg/L	10.0		99.8	64-148			
Toluene	9.15	1.0	µg/L	10.0		91.5	47-150			
1,1,1-Trichloroethane	9.84	2.0	µg/L	10.0		98.4	52-162			
1,1,2-Trichloroethane	10.1	2.0	µg/L	10.0		101	52-150			
Trichloroethylene	9.70	2.0	µg/L	10.0		97.0	71-157			
Trichlorofluoromethane (Freon 11)	9.69	2.0	µg/L	10.0		96.9	17-181			
Vinyl Chloride	8.40	2.0	µg/L	10.0		84.0	20-251			
m+p Xylene	19.0	2.0	µg/L	20.0		94.8	70-130			
o-Xylene	9.37	2.0	µg/L	10.0		93.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	*22.9*		µg/L	25.0		91.5	70-130			
Surrogate: Toluene-d8	*25.7*		µg/L	25.0		103	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
	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,NJ
Bromodichloromethane	CT,MA,NH,NY,RI,NC,ME,VA,NJ
Bromoform	CT,MA,NH,NY,RI,NC,ME,VA,NJ
Bromomethane	CT,MA,NH,NY,RI,NC,ME,VA,NJ
Carbon Tetrachloride	CT,MA,NH,NY,RI,NC,ME,VA,NJ
Chlorobenzene	CT,MA,NH,NY,RI,NC,ME,VA,NJ
Chlorodibromomethane	CT,MA,NH,NY,RI,NC,ME,VA,NJ
Chloroethane	CT,MA,NH,NY,RI,NC,ME,VA,NJ
2-Chloroethyl Vinyl Ether	CT,MA,NH,NY,RI,NC,ME,VA,NJ
Chloroform	CT,MA,NH,NY,RI,NC,ME,VA,NJ
Chloromethane	CT,MA,NH,NY,RI,NC,ME,VA,NJ
1,2-Dichlorobenzene	CT,MA,NH,NY,RI,NC,ME,VA,NJ
1,3-Dichlorobenzene	CT,MA,NH,NY,RI,NC,ME,VA,NJ
1,4-Dichlorobenzene	CT,MA,NH,NY,RI,NC,ME,VA,NJ
1,2-Dichloroethane	CT,MA,NH,NY,RI,NC,ME,VA,NJ
1,1-Dichloroethane	CT,MA,NH,NY,RI,NC,ME,VA,NJ
1,1-Dichloroethylene	CT,MA,NH,NY,RI,NC,ME,VA,NJ
trans-1,2-Dichloroethylene	CT,MA,NH,NY,RI,NC,ME,VA,NJ
1,2-Dichloropropane	CT,MA,NH,NY,RI,NC,ME,VA,NJ
cis-1,3-Dichloropropene	CT,MA,NH,NY,RI,NC,ME,VA,NJ
trans-1,3-Dichloropropene	CT,MA,NH,NY,RI,NC,ME,VA,NJ
Ethylbenzene	CT,MA,NH,NY,RI,NC,ME,VA,NJ
Methyl tert-Butyl Ether (MTBE)	NC
Methylene Chloride	CT,MA,NH,NY,RI,NC,ME,VA,NJ
1,1,2,2-Tetrachloroethane	CT,MA,NH,NY,RI,NC,ME,VA,NJ
Tetrachloroethylene	CT,MA,NH,NY,RI,NC,ME,VA,NJ
Toluene	CT,MA,NH,NY,RI,NC,ME,VA,NJ
1,1,1-Trichloroethane	CT,MA,NH,NY,RI,NC,ME,VA,NJ
1,1,2-Trichloroethane	CT,MA,NH,NY,RI,NC,ME,VA,NJ
Trichloroethylene	CT,MA,NH,NY,RI,NC,ME,VA,NJ
Trichlorofluoromethane (Freon 11)	CT,MA,NH,NY,RI,NC,ME,VA,NJ
Vinyl Chloride	CT,MA,NH,NY,RI,NC,ME,VA,NJ
m+p Xylene	CT,MA,NH,NY,RI,NC,VA,NJ
o-Xylene	CT,MA,NH,NY,RI,NC,VA,NJ

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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	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2014
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2014
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2014
RI	Rhode Island Department of Health	LAO00112	12/30/2013
NC	North Carolina Div. of Water Quality	652	12/31/2014
NJ	New Jersey DEP	MA007 NELAP	06/30/2014
FL	Florida Department of Health	E871027 NELAP	06/30/2014
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2014
WA	State of Washington Department of Ecology	C2065	02/23/2014
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2014
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2014

13L0881

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Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East longmeadow, MA 01028

Page 1 of 1

Rev 04.05.12

Company Name: ARCADIS
Address: 855 Route 146, STE 210
Clifton Park, NY 12065
Attention: J. Wyckoff
Project Location: South Otselic, NY
Sampled By: J. Wyckoff

Project Proposal Provided? (for billing purposes)
○ yes ________ proposal date

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

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

# of Containers	12
** Preservation	H
***Container Code	V
ANALYSIS REQUESTED	624

Dissolved Metals
○ Field Filtered
○ Lab to Filter

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
01	RW-1	0950	12/20/13		X	GW	M	X
02	RW-2	0955	12/20/13		X	GW	M	X
03	EFF 46 HZ	1000	12/20/13		X	GW	L	X
04	Trip Blank	–	12/20/13	–	–	–	–	X

***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) [signature]	Date/Time: 12/20/13 1650
Received by: (signature) Paula [signature] 5.0 13:30	Date/Time: 12.21.13
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Turnaround ††
☐ 7-Day
☒ 10-Day
☐ Other ____
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
Other: NYS ASP CAT B

Is your project MCP or RCP?
○ MCP Form Required
○ RCP Form Required
○ MA State DW Form Required PWSID # ________

NELAC & AIHA-LAP, LLC Accredited
WBE/DBE Certified

†† TURNAROUND TIME 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 BY OUR CLIENT.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

FedEx.

804627482940

Ship (P/U) date :
Fri 12/20/2013 5:31 pm
CLI US

Delivered
Signed for by: R.DAOUST

Actual delivery :
Sat 12/21/2013 1:30 pm
MA US

Travel History

Date/Time	Activity	Location
- 12/21/2013 - Saturday		
1:30 pm	Delivered	MA
11:04 am	On FedEx vehicle for delivery	WINDSOR LOCKS, CT
10:34 am	At local FedEx facility	WINDSOR LOCKS, CT
7:45 am	At destination sort facility	EAST GRANBY, CT
4:44 am	Departed FedEx location	MEMPHIS, TN
12:06 am	Arrived at FedEx location	MEMPHIS, TN
- 12/20/2013 - Friday		
7:18 pm	Left FedEx origin facility	BINGHAMTON, NY
5:31 pm	Picked up	BINGHAMTON, NY

Local Scan Time

Shipment Facts

Tracking number	804627482940	**Service**	FedEx Priority Overnight
Weight	1 lbs	**Dimensions**	12x11x10 in.
Delivered To	Shipping/Receiving	**Total pieces**	1
Total shipment weight	1 lbs / 0.5 kgs	**Shipper reference**	00266406 0000
Packaging	Your Packaging	**Special handling section**	For Saturday Delivery

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East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
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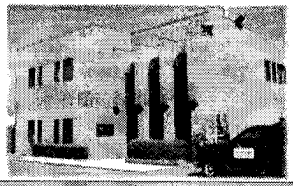

Sample Receipt Checklist

CLIENT NAME: Arcadis RECEIVED BY: PB DATE: 12-21-13

1) **Was the chain(s) of custody relinquished and signed?** (Yes) No No CoC Included
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 5.0 Temperature °C by Temp gun _____
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 No (N/A)

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Plastic Bag / Ziploc	
500 mL Plastic		SOC Kit	
250 mL plastic		Non-ConTest Container	
40 mL Vial - type listed below	12	Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

Laboratory Comments:

40 mL vials: # HCl 12 # 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:** PB **Date/Time:** 12.21.13 13:30

ARCADIS

Infrastructure · Water · Environment · Buildings

Appendix E

Groundwater Levels Data Forms

GROUNDWATER LEVEL DATA FORM

PROJECT NAME: Gladding Cordage
PROJECT NUMBER: 00266406.0000
DATE: 10/15/2013
NAME: EJM

WELL ID		Date	Time	Headspace VOCs (ppm)	Depth to Water (feet)	Reference Point
TW-1		10/15/2013	1019	NM	7.29	TOC
TW-2S		10/15/2013	0936	NM	8.22	TOC
TW-2I		10/15/2013	0936	NM	7.84	TOC
TW-2D		10/15/2013	0936	NM	7.93	TOC
TW-3S	*	10/15/2013	0927	NM	9.40	TOC
TW-3I	*	10/15/2013	0928	NM	8.75	TOC
TW-3D	*	10/15/2013	0927	NM	9.05	TOC
TW-4I	*	10/15/2013	0917	NM	5.65	TOC
TW-5S	*	10/15/2013	0959	NM	7.60	TOC
TW-5I	*	10/15/2013	1000	NM	8.90	TOC
TW-5D	*	10/15/2013	1000	NM	8.85	TOC
TW-6S	*	10/15/2013	1047	NM	6.02	TOC
TW-6I	*	10/15/2013	1047	NM	6.94	TOC
TW-6D	*	10/15/2013	1047	NM	6.70	TOC
TW-7S	*	10/15/2013	1029	NM	8.70	TOC
TW-7I	*	10/15/2013	1029	NM	9.02	TOC
TW-7D	*	10/15/2013	1029	NM	8.95	TOC
TW-9I	*	10/15/2013	1042	NM	9.54	TOC
TW-9D	*	10/15/2013	1042	NM	9.93	TOC
TW-10D		10/15/2013	1055	NM	6.21	TOC
TW-12I	*	10/15/2013	1130	NM	7.10	TOC
TW-12D	*	10/15/2013	1130	NM	7.13	TOC
TW-14S	*	10/15/2013	0911	NM	6.04	TOC
TW-14I	*	10/15/2013	0912	NM	6.25	TOC
TW-14D	*	10/15/2013	0910	NM	6.26	TOC
TW-15	*	10/15/2013	0913	NM	9.11	TOC

Notes:

* - Sample bag (PDB) in well

NM - Not Measured