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New York State Department of Environmental Conservation

Site Number 7-09-009

Gladding Cordage Site Quarterly Report

Third Quarter 2013

June 2014

ARCADIS

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Project Geologist

Gladding Cordage Site
Quarterly Report

Third Quarter 2013

Site Number 7-09-009

Prepared for:
New York State Department of
Environmental Conservation

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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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Site Number 7-09-009

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, the 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 Upgrades

3.1.1 Variable Frequency Drive

A variable frequency drive (VFD) was installed on January 9, 2008 to regulate the speed of the air stripper blower motor. Following the installation of the VFD, effluent groundwater samples were collected at various blower motor frequencies (speeds) including 40 HZ, 50 HZ, and 60 HZ. The analyte 1,1,1-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 control 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 plant 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 Pirne).

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. The heat-exchanger is expected to provide a reduction in the energy required to heat the treatment plant building.

3.2 Treatment Plant Operation

As shown on the O&M Check Lists and System Operation Logs (Appendix A), and PLC facsimile reports (Appendix B), the Gladding Cordage groundwater treatment plant shut down for five days in July 2013, 12 days in August 2013, and 10 days in September 2013, due to multiple power interruptions. During several days of the third quarter operating period, PLC facsimile reports were not generated. This may have occurred due to extended periods of power loss to the backup power supply for the PLC.

The average monthly flow rates and total flow volumes for the third quarter 2013 operating period are summarized in Table 3-1. Table 3-1 shows that the monthly flow rates from recovery wells RW-1 and RW-2 were consistent and the average quarterly flows were 22.8 gallons per minute (GPM) and 19.5 GPM, respectively. Based on the total flow values, approximately 4.2 million gallons of water were treated between July and September, 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 Laboratories (ConTest) 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 C.

3.2.1.1 Influent Sample Results

Table 3-2 and Table 3-3 summarize the VOC influent and effluent sample results, respectively. Figure 3-1 provides a summary of 1,1,1-TCA concentrations in samples from recovery wells RW-1 and RW-2 since December 2011. 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 43 micrograms per liter (µg/L) in September 2013 to a maximum of 51 µg/L in July 2013. The maximum concentration of 1,1,1-TCA in samples from RW-2 (58 µg/L) was reported in July 2013. The concentrations of 1,1,1-TCA in the August and September 2013 samples from this well were 42 µg/L and 50 µg/L, respectively. These results exceed the corresponding NYSDEC Class GA Standard of 5 µg/L. Figure 3-1 shows that the concentrations in the samples from these wells 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. No VOCs were detected in the third quarter 2013 effluent samples. Based on influent sample concentrations and total flow volumes from the Gladding Cordage treatment system, approximately 1.7 pounds of VOCs were removed by the treatment system during the third quarter 2013.

4. Groundwater Monitoring Program

Groundwater samples were collected from the site during the third quarter 2012 in accordance with the Work Plan. The results of the sampling event were submitted in the third quarter 2012 Gladding Cordage Site Quarterly Report and Annual Groundwater Monitoring Summary (ARCADIS, 2012). The next groundwater sampling event is scheduled to take place during the fourth quarter 2013.

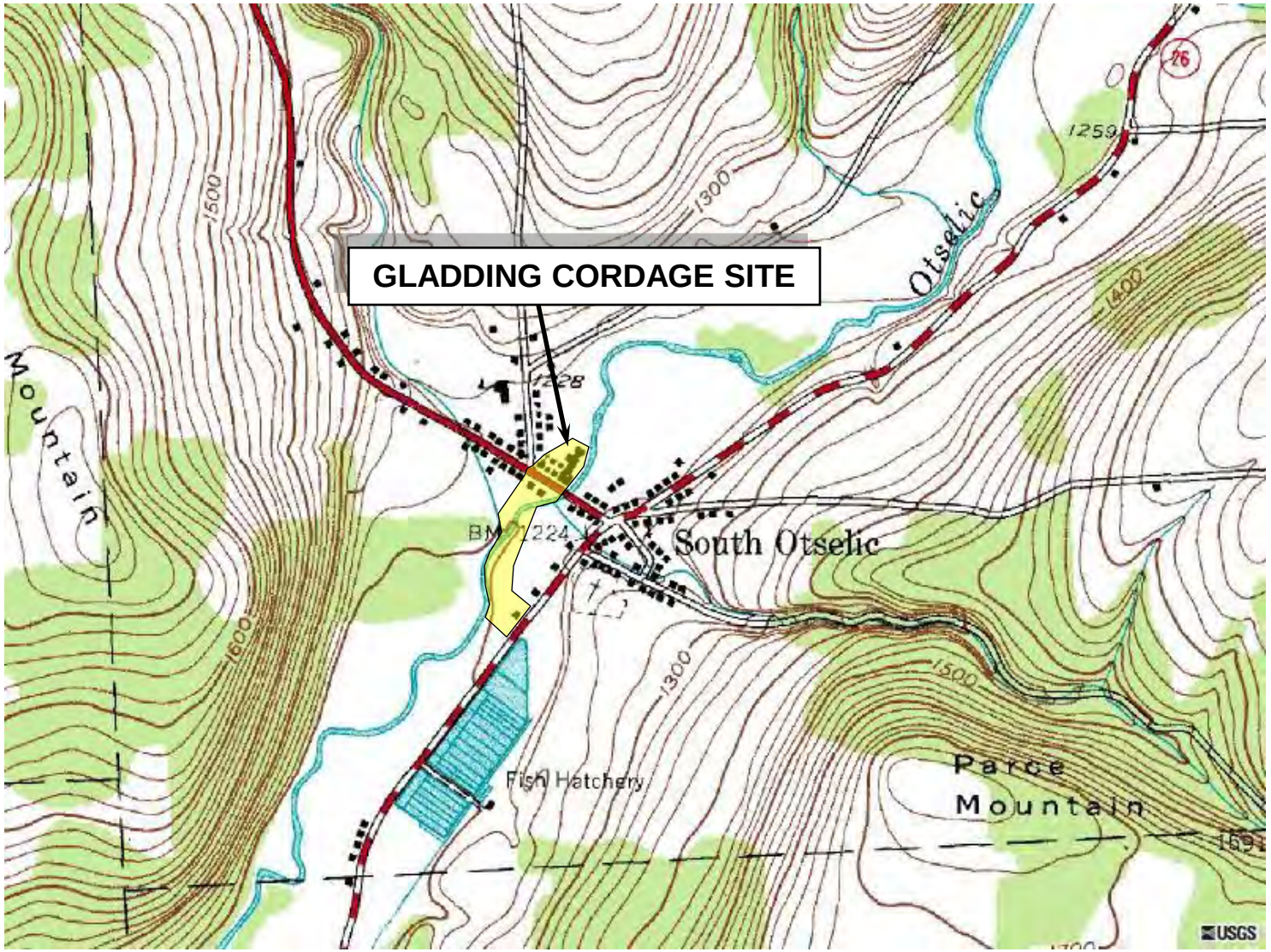
5. Summary

The Gladding Cordage groundwater treatment system was shut down for five days in July 2013, 12 days in August 2013, and 10 days in September 2013 due to power failures. The average total flow rate through the treatment system was approximately 42 GPM. No VOCs were detected in the third 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 1.7 pounds of VOCs were removed by the treatment system during the third quarter 2013. Annual groundwater sampling is scheduled to be conducted during the fourth quarter 2013.

6. References

ARCADIS, 2012, Gladding Cordage Site Quarterly Report and Annual Groundwater Monitoring Summary, Third Quarter 2012, Site 7-09-009.

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



SCALE IN FEET

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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

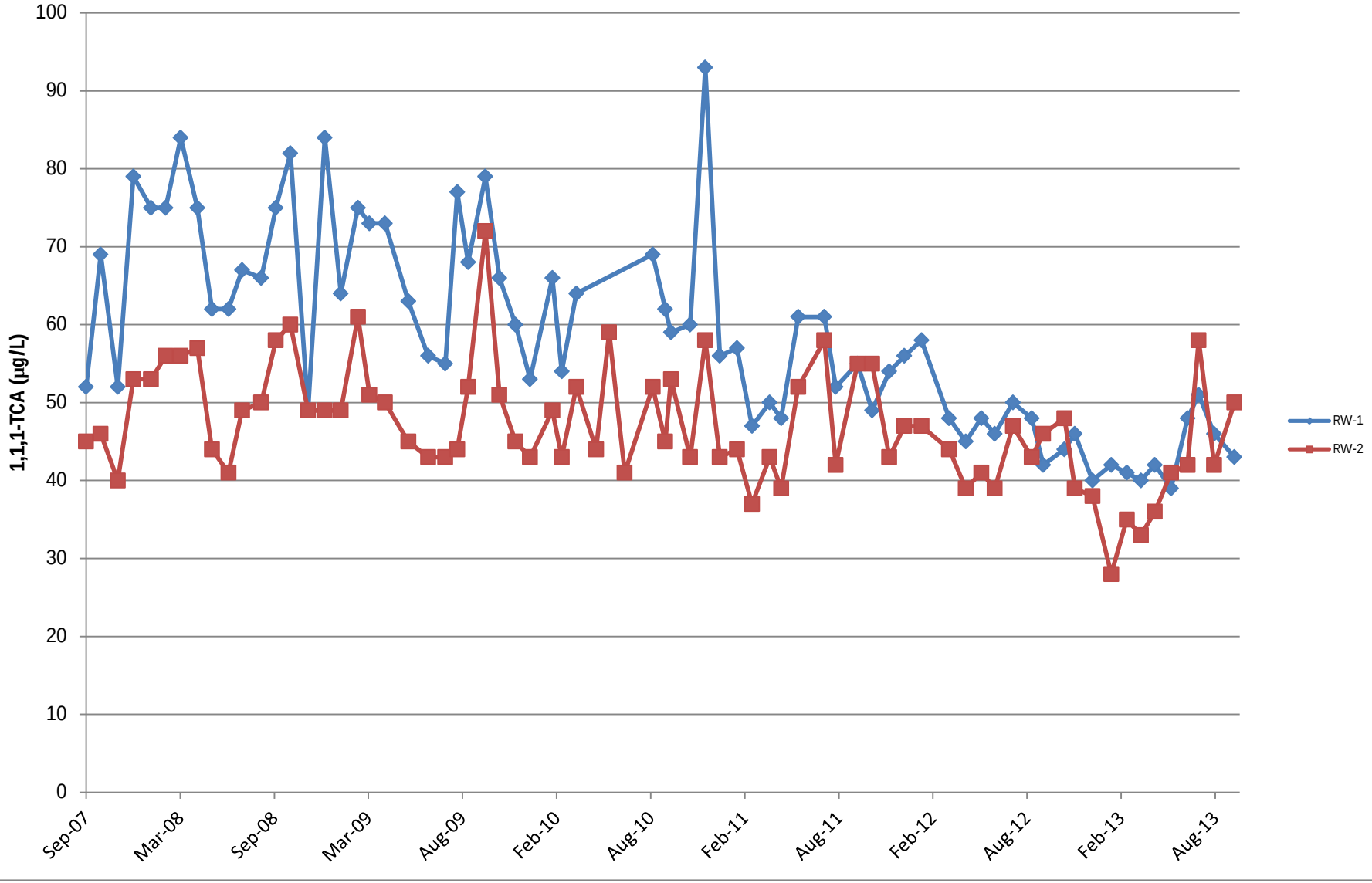

TABLE 3-1
TREATMENT SYSTEM STATUS AND FLOW SUMMARY
GLADDING CORDAGE SITE
SOUTH OTSELIC, NEW YORK
NYSDEC SITE NO. 7-04-009A

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

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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	
Total Flow 2013									**8,040,751**	**6,811,935**	**14,852,686**	

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 9/20/2012 WATER ug/L	RW-1 10/31/2012 WATER ug/L	RW-1 11/20/2012 WATER 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
VOCs														
1,1,1-Trichloroethane	5	**42**	**44**	**46**	**40**	**42**	**41**	**40**	**42**	**39**	**48**	**51**	**46**	**43**
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	2.0 U
1,2-Dichlorobenzene	3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
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	2.0	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	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
o-Xylene		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Tetrachloroethene	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Toluene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
trans-1,3-Dichloropropene	0.4	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	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		42.0	44.0	46.0	40.0	42.0	41.0	40.0	42.0	39.0	48.0	51.0	46.0	43.0

- 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 9/20/2012 WATER ug/L	RW-2 10/31/2012 WATER ug/L	RW-2 11/20/2012 WATER 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
VOCs														
1,1,1-Trichloroethane	5	**46**	**48**	**39**	**38**	**28**	**35**	**33**	**36**	**41**	**42**	**58**	**42**	**50**
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	2.0 U
1,2-Dichlorobenzene	3	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
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	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
o-Xylene		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Tetrachloroethene	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Toluene	5	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
trans-1,3-Dichloropropene	0.4	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	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		46.0	48.0	39.0	38.0	28.0	35.0	33.0	36.0	41.0	42.0	58.0	42.0	50.0

- 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) 9/20/2012 WATER ug/L	EFF(46HZ) 10/31/2012 WATER ug/L	EFF(46HZ) 11/20/2012 WATER 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
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	10.0 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) 4/23/2013 WATER ug/L	EFF(46HZ) 5/24/2013 WATER ug/L	EFF(46HZ) 6/25/2013 WATER 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
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	2.0 U	2.0 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.

Appendix A

O&M Checklists and System Operation Logs

Gladding Cordage
South Otselic, New York
NYSDEC Site #709009

Date	7/16/2013
Inspector	JRW
Time	5:50 AM

Treatment System Operation		**Alarms**	
System On (Y/N)	N	A/C Fail (Y/N)	Y
RW-1 On (Y/N)	N	RW-1 (Y/N)	N
RW-2 On (Y/N)	N	RW-2 (Y/N)	N
Blower On (Y/N)	N	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)	23.8	19.3
Total Flow (Gallons)	Not Recorded	Not Recorded
Water Level (Feet Above Probe)	33.09	55.39
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)	10.0	Water Leaks (Y/N)	N
Influent/Effluent Piping OK? (Y/N)	Y	Water Temperature (F°)	50

Heat Exchanger			
Heat (On/Off)	On (AC)	Building Temperature (F)	67.6
Heat Exchanger Flow (GPM)	2.34	Heat Exchanger Pressure (PSI)	7.6

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 Off--AC Failure

0610--Restart System

Note: Could not connect remotely. Need to contact telephone company to check lines.
Phone works, but line has static.

Gladding Cordage
South Otselic, New York
NYSDEC Site #709009

Date	8/15/2013
Inspector	JRW
Time	10:00

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)	22.9	19.4
Total Flow (Gallons)	15344260	12910980
Water Level (Feet Above Probe)	32.98	55.24
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)	10.1	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)	65
Heat Exchanger Flow (GPM)	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)	N	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	9/5/2013
Inspector	JRW
Time	8:00

Treatment System Operation		**Alarms**	
System On (Y/N)	Y	A/C Fail (Y/N)	Alarm Cleared
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)	22.4	19.3
Total Flow (Gallons)	Not Recorded	Not Recorded
Water Level (Feet Above Probe)	33.63	55.96
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)	9.7	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)	65.7
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)	N	Outfall Condition OK? (Y/N)	Y
Monitoring Wells OK? (Y/N)	--	Samples Collected (Y/N)	N

Notes:

System Down.

Connect to PLC - AC Failure 09/02/2013

Reset System

Start System @ 08:20

Data above after start-up.

Gladding Cordage
South Otselic, New York
NYSDEC Site #709009

Date	9/23/2013
Inspector	JRW
Time	11:30

Treatment System Operation		**Alarms**	
System On (Y/N)	Y	A/C Fail (Y/N)	Alarm Cleared
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)	21.7	19.7
Total Flow (Gallons)	Not Recorded	Not Recorded
Water Level (Feet Above Probe)	33.31	55.28
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)	10.1	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)	61
Heat Exchanger Flow (GPM)	0	Heat Exchanger Pressure (PSI)	1.3

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 down on 09/11/2013 @ 15:49 ASBVFD Alarm--Power failure @ VFD

Restart @ 12:00

Appendix B

PLC 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 07/01/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P36 : LAST SHUTDOWN @ 10:43:51 ON 05/24/2013 BY REMOTE

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:

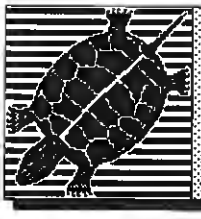
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is 23.9	GPM	TOTAL FLOW is	14036321	GAL				
W2_FLO is 19.4	GPM	TOTAL FLOW is	11818987	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	182665	GAL				
HP_PRS is 1.6	PSI	LIMITS are	L: -2.0	PSI	H: 20.0	PSI		
HP_AMP is 0.09	AMP	LIMITS are	L: 0.00	AMP	H:	AMP		
W1_AMP is 4.58	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP		
W2_AMP is 4.39	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP		
W1_LVL is 34.41	FT	LIMITS are	L: 8.00	FT	H: 28.00	FT		
W2_LVL is 56.67	FT	LIMITS are	L: 9.00	FT	H: 52.00	FT		
W1_PRS is 4.0	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 63.0	DEG	LIMITS are	L: 42.0	DEG	H: 130.0	DEG		

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

EOS Research Ltd.

Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 07/02/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P36 : LAST SHUTDOWN @ 10:43:51 ON 05/24/2013 BY REMOTE

Discrete Inputs:

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

Discrete Outputs:

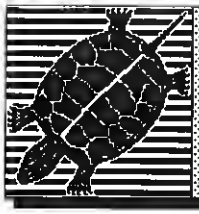
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is	24.0	GPM	TOTAL FLOW is	14070692	GAL			
W2_FLO is	19.9	GPM	TOTAL FLOW is	11847241	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	183313	GAL			
HP_PRS is	1.6	PSI	LIMITS are	L: -2.0	PSI	H: 20.0	PSI	
HP_AMP is	0.09	AMP	LIMITS are	L: 0.00	AMP	H:	AMP	
W1_AMP is	4.55	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP	
W2_AMP is	4.35	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP	
W1_LVL is	36.95	FT	LIMITS are	L: 8.00	FT	H: 28.00	FT	
W2_LVL is	59.17	FT	LIMITS are	L: 9.00	FT	H: 52.00	FT	
W1_PRS is	4.0	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI	
W2_PRS is	4.2	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI	
INTEMP is	62.7	DEG	LIMITS are	L: 42.0	DEG	H: 130.0	DEG	

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

EOS Research Ltd.

Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 07/03/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P36 : LAST SHUTDOWN @ 10:43:51 ON 05/24/2013 BY REMOTE

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:

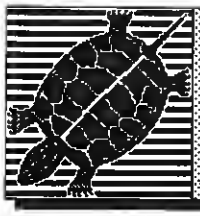
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is	23.8	GPM	TOTAL FLOW is	14105094	GAL			
W2_FLO is	19.3	GPM	TOTAL FLOW is	11875497	GAL			
ASBPRS is	10.0	IWC	LIMITS are	L: 5.0	IWC	H: 30.0	IWC	
HP_FLO is	2.42	GPM	TOTAL FLOW is	184359	GAL			
HP_PRS is	8.0	PSI	LIMITS are	L: -2.0	PSI	H: 20.0	PSI	
HP_AMP is	4.21	AMP	LIMITS are	L: 0.00	AMP	H:	AMP	
W1_AMP is	4.57	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP	
W2_AMP is	4.36	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP	
W1_LVL is	35.46	FT	LIMITS are	L: 8.00	FT	H: 28.00	FT	
W2_LVL is	57.60	FT	LIMITS are	L: 9.00	FT	H: 52.00	FT	
W1_PRS is	4.0	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI	
W2_PRS is	4.2	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI	
INTEMP is	64.2	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 07/04/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P36 : LAST SHUTDOWN @ 10:43:51 ON 05/24/2013 BY REMOTE

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:

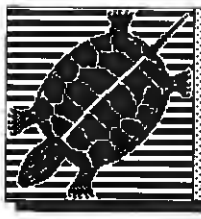
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is	23.8	GPM	TOTAL FLOW is	14139348	GAL			
W2_FLO is	19.4	GPM	TOTAL FLOW is	11903636	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	185618	GAL			
HP_PRS is	1.4	PSI	LIMITS are	L: -2.0	PSI	H: 20.0		PSI
HP_AMP is	0.09	AMP	LIMITS are	L: 0.00	AMP	H:		AMP
W1_AMP is	4.64	AMP	LIMITS are	L: 0.00	AMP	H: 10.00		AMP
W2_AMP is	4.42	AMP	LIMITS are	L: 0.00	AMP	H: 10.00		AMP
W1_LVL is	34.73	FT	LIMITS are	L: 8.00	FT	H: 28.00		FT
W2_LVL is	56.86	FT	LIMITS are	L: 9.00	FT	H: 52.00		FT
W1_PRS is	4.0	PSI	LIMITS are	L: 0.5	PSI	H: 100.0		PSI
W2_PRS is	4.2	PSI	LIMITS are	L: 0.5	PSI	H: 100.0		PSI
INTEMP is	63.6	DEG	LIMITS are	L: 42.0	DEG	H: 130.0		DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

EOS Research Ltd.

Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 07/05/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P36 : LAST SHUTDOWN @ 10:43:51 ON 05/24/2013 BY REMOTE

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	23.9	GPM	TOTAL FLOW is	14173865	GAL			
W2_FLO is	19.5	GPM	TOTAL FLOW is	11931736	GAL			
ASBPRS is	10.1	IWC	LIMITS are	L: 5.0	IWC	H: 30.0	IWC	
HP_FLO is	0.00	GPM	TOTAL FLOW is	186888	GAL			
HP_PRS is	1.4	PSI	LIMITS are	L: -2.0	PSI	H: 20.0	PSI	
HP_AMP is	0.09	AMP	LIMITS are	L: 0.00	AMP	H:	AMP	
W1_AMP is	4.71	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	34.57	FT	LIMITS are	L: 8.00	FT	H: 28.00	FT	
W2_LVL is	56.74	FT	LIMITS are	L: 9.00	FT	H: 52.00	FT	
W1_PRS is	4.0	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI	
W2_PRS is	4.3	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI	
INTEMP is	63.2	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 07/06/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P36 : LAST SHUTDOWN @ 10:43:51 ON 05/24/2013 BY REMOTE

Discrete Inputs:

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

Discrete Outputs:

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

Analog Inputs:

W1_FLO is 24.4	GPM	TOTAL FLOW is	14208573	GAL				
W2_FLO is 19.3	GPM	TOTAL FLOW is	11959817	GAL				
ASBPRS is 10.1	IWC	LIMITS are	L: 5.0	IWC	H: 30.0	IWC
HP_FLO is 0.00	GPM	TOTAL FLOW is	188199	GAL				
HP_PRS is 1.4	PSI	LIMITS are	L: -2.0	PSI	H: 20.0	PSI
HP_AMP is 0.09	AMP	LIMITS are	L: 0.00	AMP	H:	AMP
W1_AMP is 4.64	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP
W2_AMP is 4.42	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP
W1_LVL is 34.66	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 4.0	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 62.6	DEG	LIMITS are	L: 42.0	DEG	H: 130.0	DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN

ProControl Series II+

EOS Research Ltd.

Fax Report

To:

JEREMY WYCKOFF

From:

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

System Status:

AUTO P36 : LAST SHUTDOWN @ 10:43:51 ON 05/24/2013 BY REMOTE

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	23.8	GPM	TOTAL FLOW is	14243323	GAL			
W2_FLO is	19.4	GPM	TOTAL FLOW is	11987945	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	189437	GAL			
HP_PRS is	1.4	PSI	LIMITS are	L: -2.0	PSI	H: 20.0	PSI	
HP_AMP is	0.09	AMP	LIMITS are	L: 0.00	AMP	H:	AMP	
W1_AMP is	4.66	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP	
W2_AMP is	4.44	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP	
W1_LVL is	34.41	FT	LIMITS are	L: 8.00	FT	H: 28.00	FT	
W2_LVL is	56.72	FT	LIMITS are	L: 9.00	FT	H: 52.00	FT	
W1_PRS is	4.0	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	64.1	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 07/08/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P36 : LAST SHUTDOWN @ 10:43:51 ON 05/24/2013 BY REMOTE

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 24.3	GPM	TOTAL FLOW is	14278083	GAL				
W2_FLO is 19.8	GPM	TOTAL FLOW is	12016070	GAL				
ASBPRS is 10.1	IWC	LIMITS are	L: 5.0	IWC	H: 30.0	IWC		
HP_FLO is 2.34	GPM	TOTAL FLOW is	190738	GAL				
HP_PRS is 8.0	PSI	LIMITS are	L: -2.0	PSI	H: 20.0	PSI		
HP_AMP is 4.19	AMP	LIMITS are	L: 0.00	AMP	H:	AMP		
W1_AMP is 4.58	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP		
W2_AMP is 4.37	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 58.09	FT	LIMITS are	L: 9.00	FT	H: 52.00	FT		
W1_PRS is 4.1	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI		
W2_PRS is 4.3	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI		
INTEMP is 63.8	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 07/09/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P36 : LAST SHUTDOWN @ 10:43:51 ON 05/24/2013 BY REMOTE

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:

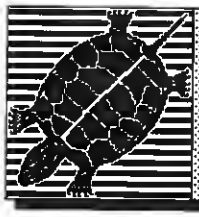
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is 24.6	GPM	TOTAL FLOW is	14312969	GAL				
W2_FLO is 19.4	GPM	TOTAL FLOW is	12044271	GAL				
ASBPRS is 10.1	IWC	LIMITS are	L: 5.0	IWC	H: 30.0	IWC		
HP_FLO is 2.34	GPM	TOTAL FLOW is	191826	GAL				
HP_PRS is 7.9	PSI	LIMITS are	L: -2.0	PSI	H: 20.0	PSI		
HP_AMP is 4.17	AMP	LIMITS are	L: 0.00	AMP	H:	AMP		
W1_AMP is 4.55	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP		
W2_AMP is 4.33	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP		
W1_LVL is 35.05	FT	LIMITS are	L: 8.00	FT	H: 28.00	FT		
W2_LVL is 57.29	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 62.9	DEG	LIMITS are	L: 42.0	DEG	H: 130.0	DEG		

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

EOS Research Ltd. — Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 07/10/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P36 : LAST SHUTDOWN @ 10:43:51 ON 05/24/2013 BY REMOTE

Discrete Inputs:

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

Discrete Outputs:

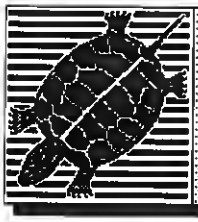
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is	24.3	GPM	TOTAL FLOW is	14347704	GAL			
W2_FLO is	19.1	GPM	TOTAL FLOW is	12072379	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	192927	GAL			
HP_PRS is	1.5	PSI	LIMITS are	L: -2.0	PSI	H: 20.0		PSI
HP_AMP is	0.09	AMP	LIMITS are	L: 0.00	AMP	H:		AMP
W1_AMP is	4.60	AMP	LIMITS are	L: 0.00	AMP	H: 10.00		AMP
W2_AMP is	4.37	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	56.76	FT	LIMITS are	L: 9.00	FT	H: 52.00		FT
W1_PRS is	4.0	PSI	LIMITS are	L: 0.5	PSI	H: 100.0		PSI
W2_PRS is	4.3	PSI	LIMITS are	L: 0.5	PSI	H: 100.0		PSI
INTEMP is	64.3	DEG	LIMITS are	L: 42.0	DEG	H: 130.0		DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ALARM Fax Report

EOS Research Ltd. ProControl Series II+

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 05:28:32 ON 07/11/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P19 : LAST SHUTDOWN @ 10:43:51 ON 05/24/2013 BY REMOTE
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:

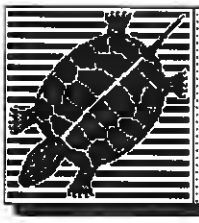
W1_GO is OFF	W2_GO is OFF	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is ON
W2_ALM is ON	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is 0.0	GPM	TOTAL FLOW is	14381584	GAL				
W2_FLO is 0.0	GPM	TOTAL FLOW is	12099810	GAL				
ASBPRS is 0.4	IWC	LIMITS are	L: 5.0	IWC	H: 30.0	IWC		
HP_FLO is 0.00	GPM	TOTAL FLOW is	193994	GAL				
HP_PRS is 0.9	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 35.68	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 63.7	DEG	LIMITS are	L: 42.0	DEG	H: 130.0	DEG		

Analog Outputs:

ASBSPD 0.0 PCT MAN



ALARM Fax Report

EOS Research Ltd. — ProControl Series II+

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 12:33:50 ON 08/15/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 12:16:09 ON 08/15/2013 BY REMOTE
FAX REPORT INITIATED BY REMOTE

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	23.4	GPM	TOTAL FLOW is	15344260	GAL			
W2_FLO is	19.3	GPM	TOTAL FLOW is	12910980	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	214362	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	4.58	AMP	LIMITS are	L: 0.00	AMP	H: 10.00		AMP
W2_AMP is	4.40	AMP	LIMITS are	L: 0.00	AMP	H: 10.00		AMP
W1_LVL is	32.94	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	4.1	PSI	LIMITS are	L: 0.5	PSI	H: 100.0		PSI
W2_PRS is	4.4	PSI	LIMITS are	L: 0.5	PSI	H: 100.0		PSI
INTEMP is	65.9	DEG	LIMITS are	L: 42.0	DEG	H: 130.0		DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN

ProControl Series II+

EOS Research Ltd.

Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 08/16/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 12:16:09 ON 08/15/2013 BY REMOTE

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	22.7	GPM	TOTAL FLOW is	15368407	GAL			
W2_FLO is	19.1	GPM	TOTAL FLOW is	12931231	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	214682	GAL			
HP_PRS is	1.3	PSI	LIMITS are	L: -2.0	PSI	H: 20.0	PSI	
HP_AMP is	0.09	AMP	LIMITS are	L: 0.00	AMP	H:	AMP	
W1_AMP is	4.56	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	32.92	FT	LIMITS are	L: 8.00	FT	H: 28.00	FT	
W2_LVL is	55.17	FT	LIMITS are	L: 9.00	FT	H: 52.00	FT	
W1_PRS is	4.0	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI	
W2_PRS is	4.2	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI	
INTEMP is	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 08/17/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 12:16:09 ON 08/15/2013 BY REMOTE

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:

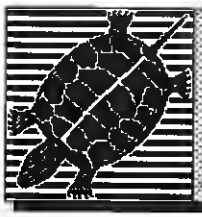
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is 23.4	GPM	TOTAL FLOW is	15401562	GAL				
W2_FLO is 19.0	GPM	TOTAL FLOW is	12959107	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	215094	GAL				
HP_PRS is 1.4	PSI	LIMITS are	L: -2.0	PSI	H:	20.0		PSI
HP_AMP is 0.09	AMP	LIMITS are	L: 0.00	AMP	H:	.....		AMP
W1_AMP is 4.56	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 32.82	FT	LIMITS are	L: 8.00	FT	H:	28.00		FT
W2_LVL is 55.03	FT	LIMITS are	L: 9.00	FT	H:	52.00		FT
W1_PRS is 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 58.7	DEG	LIMITS are	L: 42.0	DEG	H:	130.0		DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

EOS Research Ltd. — Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 08/18/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Status:

AUTO P35 : LAST SHUTDOWN @ 12:16:09 ON 08/15/2013 BY REMOTE

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:

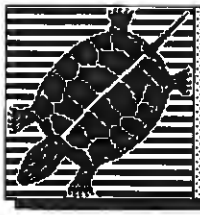
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is 22.2	GPM	TOTAL FLOW is	15434053	GAL				
W2_FLO is 19.4	GPM	TOTAL FLOW is	12986970	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	215617	GAL				
HP_PRS is 1.4	PSI	LIMITS are	L: -2.0	PSI	H:	20.0	PSI	
HP_AMP is 0.09	AMP	LIMITS are	L: 0.00	AMP	H:	.....	AMP	
W1_AMP is 4.59	AMP	LIMITS are	L: 0.00	AMP	H:	10.00	AMP	
W2_AMP is 4.42	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 54.98	FT	LIMITS are	L: 9.00	FT	H:	52.00	FT	
W1_PRS is 4.0	PSI	LIMITS are	L: 0.5	PSI	H:	100.0	PSI	
W2_PRS is 4.2	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 08/19/2013
SER NO 9605 : SETUP VER 1 : ROM 2.1996 : MODEL A2

System Stats:

AUTO P35 : LAST SHUTDOWN @ 12:16:09 ON 08/15/2013 BY REMOTE

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:

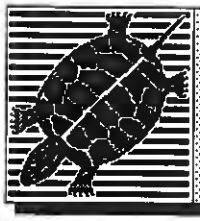
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is 22.4	GPM	TOTAL FLOW is	15466325	GAL				
W2_FLO is 18.9	GPM	TOTAL FLOW is	13014788	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	216067	GAL				
HP_PRS is 1.3	PSI	LIMITS are	L: -2.0	PSI	H: 20.0	PSI
HP_AMP is 0.09	AMP	LIMITS are	L: 0.00	AMP	H:	AMP
W1_AMP is 4.50	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP
W2_AMP is 4.34	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP
W1_LVL is 32.65	FT	LIMITS are	L: 8.00	FT	H: 28.00	FT
W2_LVL is 54.96	FT	LIMITS are	L: 9.00	FT	H: 52.00	FT
W1_PRS is 3.9	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI
W2_PRS is 4.2	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI
INTEMP is 61.6	DEG	LIMITS are	L: 42.0	DEG	H: 130.0	DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN



ALARM Fax Report

EOS Research Ltd. — ProControl Series II+

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 12:40:03 ON 09/24/2013
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
FAX REPORT INITIATED BY REMOTE

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	16113760	GAL				
W2_FLO is 19.6	GPM	TOTAL FLOW is	13579696	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	229789	GAL				
HP_PRS is 1.2	PSI	LIMITS are	L: -2.0	PSI	H: 20.0		PSI	
HP_AMP is 0.09	AMP	LIMITS are	L: 0.00	AMP	H:		AMP	
W1_AMP is 4.42	AMP	LIMITS are	L: 0.00	AMP	H: 10.00		AMP	
W2_AMP is 4.34	AMP	LIMITS are	L: 0.00	AMP	H: 10.00		AMP	
W1_LVL is 33.37	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 4.1	PSI	LIMITS are	L: 0.5	PSI	H: 100.0		PSI	
W2_PRS is 4.4	PSI	LIMITS are	L: 0.5	PSI	H: 100.0		PSI	
INTEMP is 60.4	DEG	LIMITS are	L: 42.0	DEG	H: 130.0		DEG	

Analog Outputs:

ASBSPD 0.0 PCT MAN

ProControl Series II+

EOS Research Ltd. — Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 09/25/2013
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 21.5	GPM	TOTAL FLOW is	16136160	GAL				
W2_FLO is 19.9	GPM	TOTAL FLOW is	13600360	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	229995	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 4.36	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP		
W1_LVL is 33.15	FT	LIMITS are	L: 8.00	FT	H: 28.00	FT		
W2_LVL is 55.26	FT	LIMITS are	L: 9.00	FT	H: 52.00	FT		
W1_PRS is 4.0	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI		
W2_PRS is 4.4	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI		
INTEMP is 55.7	DEG	LIMITS are	L: 42.0	DEG	H: 130.0	DEG		

Analog Outputs:

ASBSPD 0.0 PCT MAN

ProControl Series II+

EOS Research Ltd. — Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 09/26/2013
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:

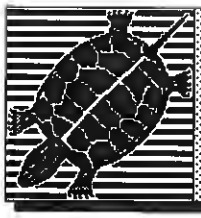
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is 21.6	GPM	TOTAL FLOW is	16167191	GAL			
W2_FLO is 19.6	GPM	TOTAL FLOW is	13628959	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	230201	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 4.48	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP
W2_AMP is 4.39	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP
W1_LVL is 33.10	FT	LIMITS are	L: 8.00	FT	H: 28.00	FT
W2_LVL is 55.17	FT	LIMITS are	L: 9.00	FT	H: 52.00	FT
W1_PRS is 4.0	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI
W2_PRS is 4.3	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 09/27/2013
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:

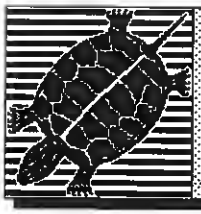
W1_GO is ON	W2_GO is ON	ASB_GO is ON	SMP_GO is OFF
AIR_HH is OFF	ASMPHH is OFF	ASMPLL is OFF	W1_ALM is OFF
W2_ALM is OFF	ASBALM is OFF	SMPALM is OFF	AIR_LL is OFF
VFDRUN is OFF	VFDRST is OFF	HPMPGO is ON	

Analog Inputs:

W1_FLO is 21.4	GPM	TOTAL FLOW is	16198214	GAL				
W2_FLO is 20.1	GPM	TOTAL FLOW is	13657546	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	230409	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 4.48	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 33.05	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 4.0	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI		
W2_PRS is 4.4	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI		
INTEMP is 56.9	DEG	LIMITS are	L: 42.0	DEG	H: 130.0	DEG		

Analog Outputs:

ASBSPD 0.0 PCT MAN



ProControl Series II+

EOS Research Ltd. — Fax Report

To:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 09/28/2013
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 20.9	GPM	TOTAL FLOW is	16229230	GAL				
W2_FLO is 20.0	GPM	TOTAL FLOW is	13686125	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	230628	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 4.48	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 32.99	FT	LIMITS are	L: 8.00	FT	H: 28.00	FT		
W2_LVL is 55.05	FT	LIMITS are	L: 9.00	FT	H: 52.00	FT		
W1_PRS is 4.0	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI		
W2_PRS is 4.3	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:

JEREMY WYCKOFF

From:

THE NYSDEC GLADDING SYSTEM IN SOUTH OTSELIC NY @ 06:00:00 ON 09/29/2013
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	16260196	GAL				
W2_FLO is 19.9	GPM	TOTAL FLOW is	13714657	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	230855	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 4.38	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 55.01	FT	LIMITS are	L: 9.00	FT	H: 52.00	FT		
W1_PRS is 4.0	PSI	LIMITS are	L: 0.5	PSI	H: 100.0	PSI		
W2_PRS is 4.4	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 09/30/2013
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 21.6	GPM	TOTAL FLOW is	16291084	GAL				
W2_FLO is 19.5	GPM	TOTAL FLOW is	13743184	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	231055	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 4.39	AMP	LIMITS are	L: 0.00	AMP	H: 10.00	AMP
W1_LVL is 32.76	FT	LIMITS are	L: 8.00	FT	H: 28.00	FT
W2_LVL is 54.96	FT	LIMITS are	L: 9.00	FT	H: 52.00	FT
W1_PRS is 3.9	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 56.5	DEG	LIMITS are	L: 42.0	DEG	H: 130.0	DEG

Analog Outputs:

ASBSPD 0.0 PCT MAN

Appendix C

Laboratory Analytical Data

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

July 11, 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: 13F0877

Enclosed are results of analyses for samples received by the laboratory on June 26, 2013. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

James M. Georgantas
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: 7/11/2013

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 00266406.0000

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 13F0877

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	13F0877-01	Ground Water		EPA 624	
RW-2	13F0877-02	Ground Water		EPA 624	
Eff 46HZ	13F0877-03	Ground Water		EPA 624	
Trip Blank	13F0877-04	Trip Blank Water		EPA 624	

con-test® ANALYTICAL LABORATORY

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

CASE NARRATIVE SUMMARY

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

EPA 624

Qualifications:

Poor spike recovery due to sample matrix interferance. Analysis in control based on laboratory fortified blank recovery.

Analyte & Samples(s) Qualified:

2-Chloroethyl Vinyl Ether

B075755-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.

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: 13F0877

Date Received: 6/26/2013

Field Sample #: RW-1 | Sampled: 6/25/2013 11:00

Sample ID: 13F0877-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	1.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:14	MFF
Bromodichloromethane	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:14	MFF
Bromoform	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:14	MFF
Bromomethane	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:14	MFF
Carbon Tetrachloride	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:14	MFF
Chlorobenzene	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:14	MFF
Chlorodibromomethane	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:14	MFF
Chloroethane	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:14	MFF
2-Chloroethyl Vinyl Ether	ND	10	µg/L	1		EPA 624	6/27/13	6/28/13 4:14	MFF
Chloroform	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:14	MFF
Chloromethane	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:14	MFF
1,2-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:14	MFF
1,3-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:14	MFF
1,4-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:14	MFF
1,2-Dichloroethane	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:14	MFF
1,1-Dichloroethane	2.0	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:14	MFF
1,1-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:14	MFF
trans-1,2-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:14	MFF
1,2-Dichloropropane	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:14	MFF
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:14	MFF
trans-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:14	MFF
Ethylbenzene	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:14	MFF
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:14	MFF
Methylene Chloride	ND	5.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:14	MFF
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:14	MFF
Tetrachloroethylene	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:14	MFF
Toluene	ND	1.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:14	MFF
1,1,1-Trichloroethane	48	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:14	MFF
1,1,2-Trichloroethane	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:14	MFF
Trichloroethylene	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:14	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:14	MFF
Vinyl Chloride	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:14	MFF
m+p Xylene	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:14	MFF
o-Xylene	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:14	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	122	70-130		6/28/13 4:14
Toluene-d8	94.4	70-130		6/28/13 4:14
4-Bromofluorobenzene	90.7	70-130		6/28/13 4:14

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

Project Location: South Otselic, NY | Sample Description: | Work Order: 13F0877

Date Received: 6/26/2013

Field Sample #: RW-2 | Sampled: 6/25/2013 11:05

Sample ID: 13F0877-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	1.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:45	MFF
Bromodichloromethane	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:45	MFF
Bromoform	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:45	MFF
Bromomethane	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:45	MFF
Carbon Tetrachloride	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:45	MFF
Chlorobenzene	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:45	MFF
Chlorodibromomethane	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:45	MFF
Chloroethane	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:45	MFF
2-Chloroethyl Vinyl Ether	ND	10	µg/L	1		EPA 624	6/27/13	6/28/13 4:45	MFF
Chloroform	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:45	MFF
Chloromethane	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:45	MFF
1,2-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:45	MFF
1,3-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:45	MFF
1,4-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:45	MFF
1,2-Dichloroethane	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:45	MFF
1,1-Dichloroethane	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:45	MFF
1,1-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:45	MFF
trans-1,2-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:45	MFF
1,2-Dichloropropane	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:45	MFF
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:45	MFF
trans-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:45	MFF
Ethylbenzene	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:45	MFF
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:45	MFF
Methylene Chloride	ND	5.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:45	MFF
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:45	MFF
Tetrachloroethylene	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:45	MFF
Toluene	ND	1.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:45	MFF
1,1,1-Trichloroethane	42	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:45	MFF
1,1,2-Trichloroethane	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:45	MFF
Trichloroethylene	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:45	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:45	MFF
Vinyl Chloride	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:45	MFF
m+p Xylene	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:45	MFF
o-Xylene	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 4:45	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	125	70-130		6/28/13 4:45
Toluene-d8	94.6	70-130		6/28/13 4:45
4-Bromofluorobenzene	91.5	70-130		6/28/13 4:45

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

Project Location: South Otselic, NY | Sample Description: | Work Order: 13F0877

Date Received: 6/26/2013

Field Sample #: Eff 46HZ | Sampled: 6/25/2013 11:10

Sample ID: 13F0877-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	1.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:43	MFF
Bromodichloromethane	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:43	MFF
Bromoform	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:43	MFF
Bromomethane	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:43	MFF
Carbon Tetrachloride	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:43	MFF
Chlorobenzene	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:43	MFF
Chlorodibromomethane	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:43	MFF
Chloroethane	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:43	MFF
2-Chloroethyl Vinyl Ether	ND	10	µg/L	1		EPA 624	6/27/13	6/28/13 3:43	MFF
Chloroform	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:43	MFF
Chloromethane	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:43	MFF
1,2-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:43	MFF
1,3-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:43	MFF
1,4-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:43	MFF
1,2-Dichloroethane	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:43	MFF
1,1-Dichloroethane	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:43	MFF
1,1-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:43	MFF
trans-1,2-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:43	MFF
1,2-Dichloropropane	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:43	MFF
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:43	MFF
trans-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:43	MFF
Ethylbenzene	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:43	MFF
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:43	MFF
Methylene Chloride	ND	5.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:43	MFF
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:43	MFF
Tetrachloroethylene	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:43	MFF
Toluene	ND	1.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:43	MFF
1,1,1-Trichloroethane	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:43	MFF
1,1,2-Trichloroethane	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:43	MFF
Trichloroethylene	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:43	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:43	MFF
Vinyl Chloride	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:43	MFF
m+p Xylene	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:43	MFF
o-Xylene	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:43	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	125	70-130		6/28/13 3:43
Toluene-d8	95.0	70-130		6/28/13 3:43
4-Bromofluorobenzene	91.1	70-130		6/28/13 3:43

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

Project Location: South Otselic, NY | Sample Description: | Work Order: 13F0877

Date Received: 6/26/2013

Field Sample #: Trip Blank | Sampled: 6/25/2013 00:00

Sample ID: 13F0877-04

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	1.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:13	MFF
Bromodichloromethane	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:13	MFF
Bromoform	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:13	MFF
Bromomethane	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:13	MFF
Carbon Tetrachloride	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:13	MFF
Chlorobenzene	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:13	MFF
Chlorodibromomethane	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:13	MFF
Chloroethane	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:13	MFF
2-Chloroethyl Vinyl Ether	ND	10	µg/L	1		EPA 624	6/27/13	6/28/13 3:13	MFF
Chloroform	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:13	MFF
Chloromethane	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:13	MFF
1,2-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:13	MFF
1,3-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:13	MFF
1,4-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:13	MFF
1,2-Dichloroethane	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:13	MFF
1,1-Dichloroethane	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:13	MFF
1,1-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:13	MFF
trans-1,2-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:13	MFF
1,2-Dichloropropane	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:13	MFF
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:13	MFF
trans-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:13	MFF
Ethylbenzene	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:13	MFF
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:13	MFF
Methylene Chloride	ND	5.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:13	MFF
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:13	MFF
Tetrachloroethylene	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:13	MFF
Toluene	ND	1.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:13	MFF
1,1,1-Trichloroethane	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:13	MFF
1,1,2-Trichloroethane	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:13	MFF
Trichloroethylene	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:13	MFF
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:13	MFF
Vinyl Chloride	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:13	MFF
m+p Xylene	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:13	MFF
o-Xylene	ND	2.0	µg/L	1		EPA 624	6/27/13	6/28/13 3:13	MFF

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	126	70-130		6/28/13 3:13
Toluene-d8	94.9	70-130		6/28/13 3:13
4-Bromofluorobenzene	91.5	70-130		6/28/13 3:13

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

Sample Extraction Data

Prep Method: SW-846 5035-EPA 624

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
13F0877-01 [RW-1]	B075755	5	5.00	06/27/13
13F0877-02 [RW-2]	B075755	5	5.00	06/27/13
13F0877-03 [Eff 46HZ]	B075755	5	5.00	06/27/13
13F0877-04 [Trip Blank]	B075755	5	5.00	06/27/13

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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 B075755 - SW-846 5035										
Blank (B075755-BLK1)				Prepared & Analyzed: 06/27/13						
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	*29.2*		µg/L	25.0		117	70-130			
Surrogate: Toluene-d8	*23.9*		µg/L	25.0		95.6	70-130			
Surrogate: 4-Bromofluorobenzene	*23.1*		µg/L	25.0		92.4	70-130			
LCS (B075755-BS1)				Prepared & Analyzed: 06/27/13						
Benzene	10.8	1.0	µg/L	10.0		108	37-151			
Bromodichloromethane	10.9	2.0	µg/L	10.0		109	35-155			
Bromoform	10.3	2.0	µg/L	10.0		103	45-169			
Bromomethane	14.0	2.0	µg/L	10.0		140	20-242			
Carbon Tetrachloride	10.5	2.0	µg/L	10.0		105	70-140			
Chlorobenzene	10.6	2.0	µg/L	10.0		106	37-160			
Chlorodibromomethane	9.94	2.0	µg/L	10.0		99.4	53-149			
Chloroethane	9.26	2.0	µg/L	10.0		92.6	70-130			
2-Chloroethyl Vinyl Ether	124	10	µg/L	100		124	10-305			
Chloroform	11.3	2.0	µg/L	10.0		113	51-138			
Chloromethane	9.03	2.0	µg/L	10.0		90.3	20-273			
1,2-Dichlorobenzene	11.7	2.0	µg/L	10.0		117	18-190			
1,3-Dichlorobenzene	11.6	2.0	µg/L	10.0		116	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 B075755 - SW-846 5035											
LCS (B075755-BS1)				Prepared & Analyzed: 06/27/13							
1,4-Dichlorobenzene	10.9	2.0	µg/L	10.0		109		18-190			
1,2-Dichloroethane	11.4	2.0	µg/L	10.0		114		49-155			
1,1-Dichloroethane	11.5	2.0	µg/L	10.0		115		59-155			
1,1-Dichloroethylene	9.52	2.0	µg/L	10.0		95.2		20-234			
trans-1,2-Dichloroethylene	10.6	2.0	µg/L	10.0		106		54-156			
1,2-Dichloropropane	11.5	2.0	µg/L	10.0		115		20-210			
cis-1,3-Dichloropropene	9.98	2.0	µg/L	10.0		99.8		20-227			
trans-1,3-Dichloropropene	9.93	2.0	µg/L	10.0		99.3		17-183			
Ethylbenzene	11.4	2.0	µg/L	10.0		114		37-162			
Methyl tert-Butyl Ether (MTBE)	11.6	2.0	µg/L	10.0		116		70-130			
Methylene Chloride	11.3	5.0	µg/L	10.0		113		50-221			
1,1,2,2-Tetrachloroethane	12.8	2.0	µg/L	10.0		128		46-157			
Tetrachloroethylene	9.50	2.0	µg/L	10.0		95.0		64-148			
Toluene	10.6	1.0	µg/L	10.0		106		47-150			
1,1,1-Trichloroethane	10.8	2.0	µg/L	10.0		108		52-162			
1,1,2-Trichloroethane	11.5	2.0	µg/L	10.0		115		52-150			
Trichloroethylene	10.3	2.0	µg/L	10.0		103		71-157			
Trichlorofluoromethane (Freon 11)	8.45	2.0	µg/L	10.0		84.5		17-181			
Vinyl Chloride	9.42	2.0	µg/L	10.0		94.2		20-251			
m+p Xylene	23.7	2.0	µg/L	20.0		118		70-130			
o-Xylene	11.2	2.0	µg/L	10.0		112		70-130			
Surrogate: 1,2-Dichloroethane-d4	*27.0*		µg/L	25.0		108		70-130			
Surrogate: Toluene-d8	*24.9*		µg/L	25.0		99.6		70-130			
Surrogate: 4-Bromofluorobenzene	*25.4*		µg/L	25.0		102		70-130			
Matrix Spike (B075755-MS1)	**Source: 13F0877-03**			Prepared: 06/27/13 Analyzed: 06/28/13							
Benzene	5.46	1.0	µg/L	5.00	ND	109		37-151			
Bromodichloromethane	5.08	2.0	µg/L	5.00	ND	102		35-155			
Bromoform	6.47	2.0	µg/L	5.00	ND	129		45-169			
Bromomethane	7.70	2.0	µg/L	5.00	ND	154		20-242			
Carbon Tetrachloride	5.74	2.0	µg/L	5.00	ND	115		70-140			
Chlorobenzene	5.09	2.0	µg/L	5.00	ND	102		37-160			
Chlorodibromomethane	5.40	2.0	µg/L	5.00	ND	108		53-149			
Chloroethane	4.95	2.0	µg/L	5.00	ND	99.0		70-130			
2-Chloroethyl Vinyl Ether	ND	10	µg/L	50.0	ND		*	10-305			Z-01
Chloroform	5.78	2.0	µg/L	5.00	ND	116		51-138			
Chloromethane	4.55	2.0	µg/L	5.00	ND	91.0		20-273			
1,2-Dichlorobenzene	4.97	2.0	µg/L	5.00	ND	99.4		18-190			
1,3-Dichlorobenzene	5.49	2.0	µg/L	5.00	ND	110		59-156			
1,4-Dichlorobenzene	5.06	2.0	µg/L	5.00	ND	101		18-190			
1,2-Dichloroethane	5.69	2.0	µg/L	5.00	ND	114		49-155			
1,1-Dichloroethane	6.11	2.0	µg/L	5.00	ND	122		59-155			
1,1-Dichloroethylene	5.38	2.0	µg/L	5.00	ND	108		20-234			
trans-1,2-Dichloroethylene	5.75	2.0	µg/L	5.00	ND	115		54-156			
1,2-Dichloropropane	5.57	2.0	µg/L	5.00	ND	111		20-210			
cis-1,3-Dichloropropene	4.31	2.0	µg/L	5.00	ND	86.2		20-227			
trans-1,3-Dichloropropene	4.90	2.0	µg/L	5.00	ND	98.0		17-183			
Ethylbenzene	5.36	2.0	µg/L	5.00	ND	107		37-162			
Methyl tert-Butyl Ether (MTBE)	5.41	2.0	µg/L	5.00	ND	108		70-130			
Methylene Chloride	5.42	5.0	µg/L	5.00	ND	108		50-221			
1,1,2,2-Tetrachloroethane	5.19	2.0	µg/L	5.00	ND	104		46-157			
Tetrachloroethylene	4.52	2.0	µg/L	5.00	ND	90.4		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 B075755 - SW-846 5035										
Matrix Spike (B075755-MS1)	**Source: 13F0877-03**			Prepared: 06/27/13 Analyzed: 06/28/13						
Toluene	5.08	1.0	µg/L	5.00	ND	102	47-150			
1,1,1-Trichloroethane	5.93	2.0	µg/L	5.00	0.140	116	52-162			
1,1,2-Trichloroethane	5.07	2.0	µg/L	5.00	ND	101	52-150			
Trichloroethylene	5.20	2.0	µg/L	5.00	ND	104	71-157			
Trichlorofluoromethane (Freon 11)	5.11	2.0	µg/L	5.00	ND	102	17-181			
Vinyl Chloride	5.06	2.0	µg/L	5.00	ND	101	20-251			
m+p Xylene	11.1	2.0	µg/L	10.0	ND	111	70-130			
o-Xylene	4.89	2.0	µg/L	5.00	ND	97.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	*29.4*		µg/L	25.0		118	70-130			
Surrogate: Toluene-d8	*25.2*		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	*25.3*		µg/L	25.0		101	70-130			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
Z-01	Poor spike recovery due to sample matrix interferance. Analysis in control based on laboratory fortified blank recovery.

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CERTIFICATIONS

Certified Analyses included in this Report

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

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2014
MA	Massachusetts DEP	M-MA100	06/30/2014
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2013
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	07/30/2013
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	09/6/2012

CHAIN OF CUSTODY RECORD

13F0877

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 1

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

Telephone: 518-250-7335
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	RW-1	1100	6/25/13		X	GW	M	X	12	H	V
-02	RW-2	1105	6/25/13		X	GW	M	X			
-03	~~RW-3~~ Eff 46 HZ	1110	6/25/13		X	GW	L	X			
-04	Trip Blank	–	6/25/13	–	–	–	–	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: 1415
Received by: (signature)	Date/Time: 6/26/13 1032
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

801098219825

Ship (P/U) date:
Tues 6/25/2013 3:45 pm
CLI US

Delivered
Signed for by: C.COLLINS

Actual delivery:
Wed 6/26/2013 10:32 am
MA US

Let us tell you when your shipment arrives. Sign up for delivery notifications ▸

Travel History

Date/Time	Activity	Location
- 6/26/2013 - Wednesday		
10:32 am	Delivered	MA
8:29 am	On FedEx vehicle for delivery	WINDSOR LOCKS, CT
7:07 am	At local FedEx facility	WINDSOR LOCKS, CT
6:35 am	At destination sort facility	WINDSOR, CT
- 6/25/2013 - Tuesday		
11:31 pm	Arrived at FedEx location	NEWARK, NJ
7:22 pm	Left FedEx origin facility	BINGHAMTON, NY
3:45 pm	Picked up	BINGHAMTON, NY

Local Scan Time

Shipment Facts

Tracking number	801098219825	**Service**	FedEx Priority Overnight
Weight	12 lbs	**Dimensions**	13x10x9 in.
Signature services	Direct signature required	**Delivered To**	Shipping/Receiving
Total pieces	1	**Total shipment weight**	12 lbs / 5.4 kgs
Shipper reference	00266406 0000	**Packaging**	Your Packaging
Special handling section	Deliver Weekday, Direct Signature Required		

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: CEC DATE: 6/26/13

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 _____ Temperature °C by Temp gun 3.5
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		Air Cassette	
500 mL Plastic		Hg/Hopcalite Tube	
250 mL plastic		Plastic Bag / Ziploc	
40 mL Vial - type listed below	12	PM 2.5 / PM 10	
Colisure / bacteria bottle		PUF Cartridge	
Dissolved Oxygen bottle		SOC Kit	
Encore		TO-17 Tubes	
Flashpoint bottle		Non-ConTest Container	
Perchlorate Kit		Other glass jar	
Other		Other	

Laboratory Comments:

40 mL vials: # HCl 12 # Methanol _____ Time and Date Frozen:
Bisulfate _____ # DI Water _____
Thiosulfate _____ Unpreserved

con-test® ANALYTICAL LABORATORY
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August 28, 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: 13H0694

Enclosed are results of analyses for samples received by the laboratory on August 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: 8/28/2013

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 00266406.0000

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 13H0694

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	13H0694-01	Ground Water		EPA 624	
RW-2	13H0694-02	Ground Water		EPA 624	
EFF-46 HZ	13H0694-03	Ground Water		EPA 624	
Trip Blank	13H0694-04	Trip Blank Water		EPA 624	

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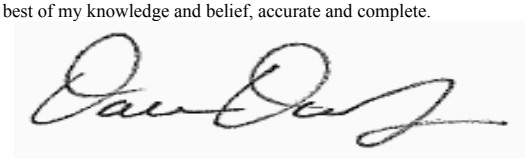
CASE NARRATIVE SUMMARY

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.



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: South Otselic, NY | Sample Description: | Work Order: 13H0694

Date Received: 8/19/2013

Field Sample #: RW-1 | Sampled: 8/15/2013 11:30

Sample ID: 13H0694-01

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	1.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:00	LBD
Bromodichloromethane	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:00	LBD
Bromoform	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:00	LBD
Bromomethane	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:00	LBD
Carbon Tetrachloride	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:00	LBD
Chlorobenzene	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:00	LBD
Chlorodibromomethane	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:00	LBD
Chloroethane	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:00	LBD
2-Chloroethyl Vinyl Ether	ND	10	µg/L	1		EPA 624	8/21/13	8/21/13 21:00	LBD
Chloroform	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:00	LBD
Chloromethane	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:00	LBD
1,2-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:00	LBD
1,3-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:00	LBD
1,4-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:00	LBD
1,2-Dichloroethane	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:00	LBD
1,1-Dichloroethane	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:00	LBD
1,1-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:00	LBD
trans-1,2-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:00	LBD
1,2-Dichloropropane	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:00	LBD
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:00	LBD
trans-1,3-Dichloropropene	ND	5.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:00	LBD
Ethylbenzene	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:00	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:00	LBD
Methylene Chloride	ND	5.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:00	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:00	LBD
Tetrachloroethylene	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:00	LBD
Toluene	ND	1.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:00	LBD
1,1,1-Trichloroethane	46	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:00	LBD
1,1,2-Trichloroethane	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:00	LBD
Trichloroethylene	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:00	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:00	LBD
Vinyl Chloride	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:00	LBD
m+p Xylene	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:00	LBD
o-Xylene	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:00	LBD

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	113	70-130		8/21/13 21:00
Toluene-d8	99.7	70-130		8/21/13 21:00
4-Bromofluorobenzene	94.7	70-130		8/21/13 21:00

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Project Location: South Otselic, NY | Sample Description: | Work Order: 13H0694

Date Received: 8/19/2013

Field Sample #: RW-2 | Sampled: 8/15/2013 11:35

Sample ID: 13H0694-02

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	1.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:31	LBD
Bromodichloromethane	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:31	LBD
Bromoform	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:31	LBD
Bromomethane	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:31	LBD
Carbon Tetrachloride	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:31	LBD
Chlorobenzene	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:31	LBD
Chlorodibromomethane	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:31	LBD
Chloroethane	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:31	LBD
2-Chloroethyl Vinyl Ether	ND	10	µg/L	1		EPA 624	8/21/13	8/21/13 21:31	LBD
Chloroform	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:31	LBD
Chloromethane	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:31	LBD
1,2-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:31	LBD
1,3-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:31	LBD
1,4-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:31	LBD
1,2-Dichloroethane	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:31	LBD
1,1-Dichloroethane	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:31	LBD
1,1-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:31	LBD
trans-1,2-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:31	LBD
1,2-Dichloropropane	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:31	LBD
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:31	LBD
trans-1,3-Dichloropropene	ND	5.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:31	LBD
Ethylbenzene	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:31	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:31	LBD
Methylene Chloride	ND	5.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:31	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:31	LBD
Tetrachloroethylene	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:31	LBD
Toluene	ND	1.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:31	LBD
1,1,1-Trichloroethane	42	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:31	LBD
1,1,2-Trichloroethane	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:31	LBD
Trichloroethylene	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:31	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:31	LBD
Vinyl Chloride	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:31	LBD
m+p Xylene	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:31	LBD
o-Xylene	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 21:31	LBD

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	112	70-130		8/21/13 21:31
Toluene-d8	98.8	70-130		8/21/13 21:31
4-Bromofluorobenzene	95.6	70-130		8/21/13 21:31

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: 13H0694

Date Received: 8/19/2013

Field Sample #: EFF-46 HZ | Sampled: 8/15/2013 11:40

Sample ID: 13H0694-03

Sample Matrix: Ground Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	1.0	µg/L	1		EPA 624	8/20/13	8/20/13 13:55	LBD
Bromodichloromethane	ND	2.0	µg/L	1		EPA 624	8/20/13	8/20/13 13:55	LBD
Bromoform	ND	2.0	µg/L	1		EPA 624	8/20/13	8/20/13 13:55	LBD
Bromomethane	ND	2.0	µg/L	1		EPA 624	8/20/13	8/20/13 13:55	LBD
Carbon Tetrachloride	ND	2.0	µg/L	1		EPA 624	8/20/13	8/20/13 13:55	LBD
Chlorobenzene	ND	2.0	µg/L	1		EPA 624	8/20/13	8/20/13 13:55	LBD
Chlorodibromomethane	ND	2.0	µg/L	1		EPA 624	8/20/13	8/20/13 13:55	LBD
Chloroethane	ND	2.0	µg/L	1		EPA 624	8/20/13	8/20/13 13:55	LBD
2-Chloroethyl Vinyl Ether	ND	10	µg/L	1		EPA 624	8/20/13	8/20/13 13:55	LBD
Chloroform	ND	2.0	µg/L	1		EPA 624	8/20/13	8/20/13 13:55	LBD
Chloromethane	ND	2.0	µg/L	1		EPA 624	8/20/13	8/20/13 13:55	LBD
1,2-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	8/20/13	8/20/13 13:55	LBD
1,3-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	8/20/13	8/20/13 13:55	LBD
1,4-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	8/20/13	8/20/13 13:55	LBD
1,2-Dichloroethane	ND	2.0	µg/L	1		EPA 624	8/20/13	8/20/13 13:55	LBD
1,1-Dichloroethane	ND	2.0	µg/L	1		EPA 624	8/20/13	8/20/13 13:55	LBD
1,1-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	8/20/13	8/20/13 13:55	LBD
trans-1,2-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	8/20/13	8/20/13 13:55	LBD
1,2-Dichloropropane	ND	2.0	µg/L	1		EPA 624	8/20/13	8/20/13 13:55	LBD
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	8/20/13	8/20/13 13:55	LBD
trans-1,3-Dichloropropene	ND	5.0	µg/L	1		EPA 624	8/20/13	8/20/13 13:55	LBD
Ethylbenzene	ND	2.0	µg/L	1		EPA 624	8/20/13	8/20/13 13:55	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	1		EPA 624	8/20/13	8/20/13 13:55	LBD
Methylene Chloride	ND	5.0	µg/L	1		EPA 624	8/20/13	8/20/13 13:55	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1		EPA 624	8/20/13	8/20/13 13:55	LBD
Tetrachloroethylene	ND	2.0	µg/L	1		EPA 624	8/20/13	8/20/13 13:55	LBD
Toluene	ND	1.0	µg/L	1		EPA 624	8/20/13	8/20/13 13:55	LBD
1,1,1-Trichloroethane	ND	2.0	µg/L	1		EPA 624	8/20/13	8/20/13 13:55	LBD
1,1,2-Trichloroethane	ND	2.0	µg/L	1		EPA 624	8/20/13	8/20/13 13:55	LBD
Trichloroethylene	ND	2.0	µg/L	1		EPA 624	8/20/13	8/20/13 13:55	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		EPA 624	8/20/13	8/20/13 13:55	LBD
Vinyl Chloride	ND	2.0	µg/L	1		EPA 624	8/20/13	8/20/13 13:55	LBD
m+p Xylene	ND	2.0	µg/L	1		EPA 624	8/20/13	8/20/13 13:55	LBD
o-Xylene	ND	2.0	µg/L	1		EPA 624	8/20/13	8/20/13 13:55	LBD

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	113	70-130		8/20/13 13:55
Toluene-d8	98.8	70-130		8/20/13 13:55
4-Bromofluorobenzene	97.4	70-130		8/20/13 13:55

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

Project Location: South Otselic, NY | Sample Description: | Work Order: 13H0694

Date Received: 8/19/2013

Field Sample #: Trip Blank | Sampled: 8/15/2013 00:00

Sample ID: 13H0694-04

Sample Matrix: Trip Blank Water

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Benzene	ND	1.0	µg/L	1		EPA 624	8/21/13	8/21/13 20:29	LBD
Bromodichloromethane	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 20:29	LBD
Bromoform	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 20:29	LBD
Bromomethane	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 20:29	LBD
Carbon Tetrachloride	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 20:29	LBD
Chlorobenzene	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 20:29	LBD
Chlorodibromomethane	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 20:29	LBD
Chloroethane	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 20:29	LBD
2-Chloroethyl Vinyl Ether	ND	10	µg/L	1		EPA 624	8/21/13	8/21/13 20:29	LBD
Chloroform	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 20:29	LBD
Chloromethane	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 20:29	LBD
1,2-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 20:29	LBD
1,3-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 20:29	LBD
1,4-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 20:29	LBD
1,2-Dichloroethane	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 20:29	LBD
1,1-Dichloroethane	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 20:29	LBD
1,1-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 20:29	LBD
trans-1,2-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 20:29	LBD
1,2-Dichloropropane	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 20:29	LBD
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 20:29	LBD
trans-1,3-Dichloropropene	ND	5.0	µg/L	1		EPA 624	8/21/13	8/21/13 20:29	LBD
Ethylbenzene	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 20:29	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 20:29	LBD
Methylene Chloride	ND	5.0	µg/L	1		EPA 624	8/21/13	8/21/13 20:29	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 20:29	LBD
Tetrachloroethylene	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 20:29	LBD
Toluene	ND	1.0	µg/L	1		EPA 624	8/21/13	8/21/13 20:29	LBD
1,1,1-Trichloroethane	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 20:29	LBD
1,1,2-Trichloroethane	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 20:29	LBD
Trichloroethylene	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 20:29	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 20:29	LBD
Vinyl Chloride	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 20:29	LBD
m+p Xylene	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 20:29	LBD
o-Xylene	ND	2.0	µg/L	1		EPA 624	8/21/13	8/21/13 20:29	LBD

Surrogates	% Recovery	Recovery Limits	Flag	
1,2-Dichloroethane-d4	112	70-130		8/21/13 20:29
Toluene-d8	99.4	70-130		8/21/13 20:29
4-Bromofluorobenzene	93.7	70-130		8/21/13 20:29

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Sample Extraction Data

Prep Method: SW-846 5030B-EPA 624

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
13H0694-03 [EFF-46 HZ]	B079126	5	5.00	08/20/13

Prep Method: SW-846 5030B-EPA 624

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
13H0694-01 [RW-1]	B079225	5	5.00	08/21/13
13H0694-02 [RW-2]	B079225	5	5.00	08/21/13
13H0694-04 [Trip Blank]	B079225	5	5.00	08/21/13

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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 B079126 - SW-846 5030B										
Blank (B079126-BLK1)				Prepared & Analyzed: 08/20/13						
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	5.0	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	*24.9*		µg/L	25.0		99.6	70-130			
Surrogate: 4-Bromofluorobenzene	*23.1*		µg/L	25.0		92.5	70-130			
LCS (B079126-BS1)				Prepared & Analyzed: 08/20/13						
Benzene	10.3	1.0	µg/L	10.0		103	37-151			
Bromodichloromethane	10.6	2.0	µg/L	10.0		106	35-155			
Bromoform	9.60	2.0	µg/L	10.0		96.0	45-169			
Bromomethane	13.7	2.0	µg/L	10.0		137	20-242			
Carbon Tetrachloride	10.2	2.0	µg/L	10.0		102	70-140			
Chlorobenzene	10.2	2.0	µg/L	10.0		102	37-160			
Chlorodibromomethane	9.57	2.0	µg/L	10.0		95.7	53-149			
Chloroethane	10.1	2.0	µg/L	10.0		101	70-130			
2-Chloroethyl Vinyl Ether	104	10	µg/L	100		104	10-305			
Chloroform	11.3	2.0	µg/L	10.0		113	51-138			
Chloromethane	9.60	2.0	µg/L	10.0		96.0	20-273			
1,2-Dichlorobenzene	10.6	2.0	µg/L	10.0		106	18-190			
1,3-Dichlorobenzene	10.6	2.0	µg/L	10.0		106	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 B079126 - SW-846 5030B										
LCS (B079126-BS1)				Prepared & Analyzed: 08/20/13						
1,4-Dichlorobenzene	10.0	2.0	µg/L	10.0		100	18-190			
1,2-Dichloroethane	11.3	2.0	µg/L	10.0		113	49-155			
1,1-Dichloroethane	10.6	2.0	µg/L	10.0		106	59-155			
1,1-Dichloroethylene	10.7	2.0	µg/L	10.0		107	20-234			
trans-1,2-Dichloroethylene	12.0	2.0	µg/L	10.0		120	54-156			
1,2-Dichloropropane	10.6	2.0	µg/L	10.0		106	20-210			
cis-1,3-Dichloropropene	9.34	2.0	µg/L	10.0		93.4	20-227			
trans-1,3-Dichloropropene	8.46	5.0	µg/L	10.0		84.6	17-183			
Ethylbenzene	10.6	2.0	µg/L	10.0		106	37-162			
Methyl tert-Butyl Ether (MTBE)	10.3	2.0	µg/L	10.0		103	70-130			
Methylene Chloride	13.8	5.0	µg/L	10.0		138	50-221			
1,1,2,2-Tetrachloroethane	9.49	2.0	µg/L	10.0		94.9	46-157			
Tetrachloroethylene	11.3	2.0	µg/L	10.0		113	64-148			
Toluene	10.7	1.0	µg/L	10.0		107	47-150			
1,1,1-Trichloroethane	11.2	2.0	µg/L	10.0		112	52-162			
1,1,2-Trichloroethane	10.6	2.0	µg/L	10.0		106	52-150			
Trichloroethylene	11.0	2.0	µg/L	10.0		110	71-157			
Trichlorofluoromethane (Freon 11)	11.0	2.0	µg/L	10.0		110	17-181			
Vinyl Chloride	9.79	2.0	µg/L	10.0		97.9	20-251			
m+p Xylene	21.6	2.0	µg/L	20.0		108	70-130			
o-Xylene	10.8	2.0	µg/L	10.0		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	*26.2*		µg/L	25.0		105	70-130			
Surrogate: Toluene-d8	*25.3*		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	*24.8*		µg/L	25.0		99.4	70-130			
Batch B079225 - SW-846 5030B										
Blank (B079225-BLK1)				Prepared & Analyzed: 08/21/13						
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	5.0	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							

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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 B079225 - SW-846 5030B										
Blank (B079225-BLK1)				Prepared & Analyzed: 08/21/13						
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	*27.0*		µg/L	25.0		108	70-130			
Surrogate: Toluene-d8	*24.9*		µg/L	25.0		99.5	70-130			
Surrogate: 4-Bromofluorobenzene	*23.3*		µg/L	25.0		93.3	70-130			
LCS (B079225-BS1)				Prepared & Analyzed: 08/21/13						
Benzene	9.76	1.0	µg/L	10.0		97.6	37-151			
Bromodichloromethane	10.6	2.0	µg/L	10.0		106	35-155			
Bromoform	9.74	2.0	µg/L	10.0		97.4	45-169			
Bromomethane	11.4	2.0	µg/L	10.0		114	20-242			
Carbon Tetrachloride	10.0	2.0	µg/L	10.0		100	70-140			
Chlorobenzene	10.1	2.0	µg/L	10.0		101	37-160			
Chlorodibromomethane	9.88	2.0	µg/L	10.0		98.8	53-149			
Chloroethane	10.6	2.0	µg/L	10.0		106	70-130			
2-Chloroethyl Vinyl Ether	103	10	µg/L	100		103	10-305			
Chloroform	10.8	2.0	µg/L	10.0		108	51-138			
Chloromethane	10.2	2.0	µg/L	10.0		102	20-273			
1,2-Dichlorobenzene	10.2	2.0	µg/L	10.0		102	18-190			
1,3-Dichlorobenzene	10.4	2.0	µg/L	10.0		104	59-156			
1,4-Dichlorobenzene	9.91	2.0	µg/L	10.0		99.1	18-190			
1,2-Dichloroethane	11.4	2.0	µg/L	10.0		114	49-155			
1,1-Dichloroethane	10.5	2.0	µg/L	10.0		105	59-155			
1,1-Dichloroethylene	11.2	2.0	µg/L	10.0		112	20-234			
trans-1,2-Dichloroethylene	11.6	2.0	µg/L	10.0		116	54-156			
1,2-Dichloropropane	10.2	2.0	µg/L	10.0		102	20-210			
cis-1,3-Dichloropropene	9.85	2.0	µg/L	10.0		98.5	20-227			
trans-1,3-Dichloropropene	9.00	5.0	µg/L	10.0		90.0	17-183			
Ethylbenzene	10.3	2.0	µg/L	10.0		103	37-162			
Methyl tert-Butyl Ether (MTBE)	10.2	2.0	µg/L	10.0		102	70-130			
Methylene Chloride	12.9	5.0	µg/L	10.0		129	50-221			
1,1,2,2-Tetrachloroethane	9.16	2.0	µg/L	10.0		91.6	46-157			
Tetrachloroethylene	10.8	2.0	µg/L	10.0		108	64-148			
Toluene	10.3	1.0	µg/L	10.0		103	47-150			
1,1,1-Trichloroethane	10.9	2.0	µg/L	10.0		109	52-162			
1,1,2-Trichloroethane	10.4	2.0	µg/L	10.0		104	52-150			
Trichloroethylene	11.0	2.0	µg/L	10.0		110	71-157			
Trichlorofluoromethane (Freon 11)	11.5	2.0	µg/L	10.0		115	17-181			
Vinyl Chloride	10.1	2.0	µg/L	10.0		101	20-251			
m+p Xylene	21.2	2.0	µg/L	20.0		106	70-130			
o-Xylene	10.5	2.0	µg/L	10.0		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	*26.8*		µg/L	25.0		107	70-130			
Surrogate: Toluene-d8	*25.5*		µg/L	25.0		102	70-130			
Surrogate: 4-Bromofluorobenzene	*25.1*		µg/L	25.0		100	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
Bromodichloromethane	CT,MA,NH,NY,RI,NC,ME,VA
Bromoform	CT,MA,NH,NY,RI,NC,ME,VA
Bromomethane	CT,MA,NH,NY,RI,NC,ME,VA
Carbon Tetrachloride	CT,MA,NH,NY,RI,NC,ME,VA
Chlorobenzene	CT,MA,NH,NY,RI,NC,ME,VA
Chlorodibromomethane	CT,MA,NH,NY,RI,NC,ME,VA
Chloroethane	CT,MA,NH,NY,RI,NC,ME,VA
2-Chloroethyl Vinyl Ether	CT,MA,NH,NY,RI,NC,ME,VA
Chloroform	CT,MA,NH,NY,RI,NC,ME,VA
Chloromethane	CT,MA,NH,NY,RI,NC,ME,VA
1,2-Dichlorobenzene	CT,MA,NH,NY,RI,NC,ME,VA
1,3-Dichlorobenzene	CT,MA,NH,NY,RI,NC,ME,VA
1,4-Dichlorobenzene	CT,MA,NH,NY,RI,NC,ME,VA
1,2-Dichloroethane	CT,MA,NH,NY,RI,NC,ME,VA
1,1-Dichloroethane	CT,MA,NH,NY,RI,NC,ME,VA
1,1-Dichloroethylene	CT,MA,NH,NY,RI,NC,ME,VA
trans-1,2-Dichloroethylene	CT,MA,NH,NY,RI,NC,ME,VA
1,2-Dichloropropane	CT,MA,NH,NY,RI,NC,ME,VA
cis-1,3-Dichloropropene	CT,MA,NH,NY,RI,NC,ME,VA
trans-1,3-Dichloropropene	CT,MA,NH,NY,RI,NC,ME,VA
Ethylbenzene	CT,MA,NH,NY,RI,NC,ME,VA
Methyl tert-Butyl Ether (MTBE)	NC
Methylene Chloride	CT,MA,NH,NY,RI,NC,ME,VA
1,1,2,2-Tetrachloroethane	CT,MA,NH,NY,RI,NC,ME,VA
Tetrachloroethylene	CT,MA,NH,NY,RI,NC,ME,VA
Toluene	CT,MA,NH,NY,RI,NC,ME,VA
1,1,1-Trichloroethane	CT,MA,NH,NY,RI,NC,ME,VA
1,1,2-Trichloroethane	CT,MA,NH,NY,RI,NC,ME,VA
Trichloroethylene	CT,MA,NH,NY,RI,NC,ME,VA
Trichlorofluoromethane (Freon 11)	CT,MA,NH,NY,RI,NC,ME,VA
Vinyl Chloride	CT,MA,NH,NY,RI,NC,ME,VA
m+p Xylene	CT,MA,NH,NY,RI,NC,VA
o-Xylene	CT,MA,NH,NY,RI,NC,VA

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2014
MA	Massachusetts DEP	M-MA100	06/30/2014
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2013
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	09/6/2012

13H0674

CHAIN OF CUSTODY RECORD

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 1

Rev 04.05.12

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

Telephone: 518-250-7300
Project # 00266466.0000
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	RW-1	8/15/13	1130		X	GW	M	X	12	H	V
-02	RW-2	8/15/13	1135		X	GW	M	X			
-03	EFF-46 HZ	8/15/13	1140		X	GW	L	X			
-04	Trip Blank	8/15/13	—	—	—	—	—	X			

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ Lab to Filter

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

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

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

Comments:

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

Relinquished by: (signature)	Date/Time: 8/15/13 1630
Received by: (signature) 19.0°C	Date/Time: 8/19/13 0909
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: NY ASP CAT B

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

AIHA LAP, LLC ACCREDITED LABORATORY
nelac
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

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FedEx

Ship (P/U) date :
Fri 8/16/2013 4:33 pm
CLIFTON PARK, NY US

Delivered
Signed for by: A.PIENKOWSKI

Actual delivery :
Mon 8/19/2013 9:09 am
MA US

Travel History

Date/Time	Activity	Location
- 8/19/2013 - Monday		
9:09 am	Delivered	MA
7:33 am	On FedEx vehicle for delivery	WINDSOR LOCKS, CT
- 8/17/2013 - Saturday		
3:45 pm	At local FedEx facility	WINDSOR LOCKS, CT
12:32 pm	Delivery exception Customer not available or business closed	WINDSOR LOCKS, CT
9:34 am	On FedEx vehicle for delivery	WINDSOR LOCKS, CT
9:11 am	At local FedEx facility	WINDSOR LOCKS, CT
7:48 am	At destination sort facility	EAST GRANBY, CT
4:38 am	Departed FedEx location	MEMPHIS, TN
- 8/16/2013 - Friday		
11:18 pm	Arrived at FedEx location	MEMPHIS, TN
8:34 pm	Left FedEx origin facility	MENANDS, NY
4:33 pm	Picked up	MENANDS, NY

Local Scan Time

Shipment Facts

Tracking number	803539086982	**Service**	FedEx Priority Overnight
Door tag number	DT103471363730	**Weight**	18 lbs
Dimensions	15x10x14 in.	**Delivered To**	Shipping/Receiving
Total pieces	1	**Total shipment weight**	18 lbs / 8.2 kgs
Shipper reference	00266406 0000		
Special handling section	For Saturday Delivery, Additional Handling Surcharge	**Packaging**	Your Packaging

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

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Sample Receipt Checklist

CLIENT NAME: Arcadis **RECEIVED BY:** CEC **DATE:** 8/19/13

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 ☐ 0 Direct from Sampling ☐ Ambient ☑ In Cooler(s) ☑

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

Temperature °C by Temp blank _____ Temperature °C by Temp gun 19.0 C

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:** _____

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		Air Cassette	
500 mL Plastic		Hg/Hopcalite Tube	
250 mL plastic		Plastic Bag / Ziploc	
40 mL Vial - type listed below	12	PM 2.5 / PM 10	
Colisure / bacteria bottle		PUF Cartridge	
Dissolved Oxygen bottle		SOC Kit	
Encore		TO-17 Tubes	
Flashpoint bottle		Non-ConTest Container	
Perchlorate Kit		Other glass jar	
Other		Other	

Laboratory Comments: 8 Ice Was Melted

40 mL vials: # HCl 12 # Methanol _____

Bisulfate _____ # DI Water _____

Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

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ANALYTICAL LABORATORY
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October 9, 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: 13I0861

Enclosed are results of analyses for samples received by the laboratory on September 25, 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: 10/9/2013

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 00266406.0000

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 13I0861

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	13I0861-01	Ground Water		EPA 624	
RW-2	13I0861-02	Ground Water		EPA 624	
EFF 46 HZ	13I0861-03	Ground 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: 13I0861

Date Received: 9/25/2013

Field Sample #: RW-1 | Sampled: 9/23/2013 12:45

Sample ID: 13I0861-01

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	9/26/13	9/27/13 7:04	LBD
Bromodichloromethane	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:04	LBD
Bromoform	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:04	LBD
Bromomethane	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:04	LBD
Carbon Tetrachloride	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:04	LBD
Chlorobenzene	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:04	LBD
Chlorodibromomethane	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:04	LBD
Chloroethane	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:04	LBD
2-Chloroethyl Vinyl Ether	ND	10	µg/L	1		EPA 624	9/26/13	9/27/13 7:04	LBD
Chloroform	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:04	LBD
Chloromethane	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:04	LBD
1,2-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:04	LBD
1,3-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:04	LBD
1,4-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:04	LBD
1,2-Dichloroethane	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:04	LBD
1,1-Dichloroethane	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:04	LBD
1,1-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:04	LBD
trans-1,2-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:04	LBD
1,2-Dichloropropane	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:04	LBD
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:04	LBD
trans-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:04	LBD
Ethylbenzene	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:04	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:04	LBD
Methylene Chloride	ND	5.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:04	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:04	LBD
Tetrachloroethylene	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:04	LBD
Toluene	ND	1.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:04	LBD
1,1,1-Trichloroethane	43	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:04	LBD
1,1,2-Trichloroethane	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:04	LBD
Trichloroethylene	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:04	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:04	LBD
Vinyl Chloride	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:04	LBD
m+p Xylene	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:04	LBD
o-Xylene	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:04	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	107	70-130		9/27/13	7:04
Toluene-d8	98.8	70-130		9/27/13	7:04
4-Bromofluorobenzene	93.0	70-130		9/27/13	7:04

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

Project Location: South Otselic, NY | Sample Description: | Work Order: 13I0861

Date Received: 9/25/2013

Field Sample #: RW-2 | Sampled: 9/23/2013 12:50

Sample ID: 13I0861-02

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	9/26/13	9/27/13 7:34	LBD
Bromodichloromethane	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:34	LBD
Bromoform	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:34	LBD
Bromomethane	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:34	LBD
Carbon Tetrachloride	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:34	LBD
Chlorobenzene	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:34	LBD
Chlorodibromomethane	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:34	LBD
Chloroethane	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:34	LBD
2-Chloroethyl Vinyl Ether	ND	10	µg/L	1		EPA 624	9/26/13	9/27/13 7:34	LBD
Chloroform	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:34	LBD
Chloromethane	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:34	LBD
1,2-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:34	LBD
1,3-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:34	LBD
1,4-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:34	LBD
1,2-Dichloroethane	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:34	LBD
1,1-Dichloroethane	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:34	LBD
1,1-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:34	LBD
trans-1,2-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:34	LBD
1,2-Dichloropropane	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:34	LBD
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:34	LBD
trans-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:34	LBD
Ethylbenzene	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:34	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:34	LBD
Methylene Chloride	ND	5.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:34	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:34	LBD
Tetrachloroethylene	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:34	LBD
Toluene	ND	1.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:34	LBD
1,1,1-Trichloroethane	50	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:34	LBD
1,1,2-Trichloroethane	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:34	LBD
Trichloroethylene	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:34	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:34	LBD
Vinyl Chloride	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:34	LBD
m+p Xylene	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:34	LBD
o-Xylene	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 7:34	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
1,2-Dichloroethane-d4	107	70-130		9/27/13	7:34
Toluene-d8	99.2	70-130		9/27/13	7:34
4-Bromofluorobenzene	92.4	70-130		9/27/13	7:34

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: 13I0861

Date Received: 9/25/2013

Field Sample #: EFF 46 HZ | Sampled: 9/23/2013 12:55

Sample ID: 13I0861-03

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	9/26/13	9/27/13 6:33	LBD
Bromodichloromethane	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 6:33	LBD
Bromoform	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 6:33	LBD
Bromomethane	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 6:33	LBD
Carbon Tetrachloride	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 6:33	LBD
Chlorobenzene	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 6:33	LBD
Chlorodibromomethane	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 6:33	LBD
Chloroethane	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 6:33	LBD
2-Chloroethyl Vinyl Ether	ND	10	µg/L	1		EPA 624	9/26/13	9/27/13 6:33	LBD
Chloroform	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 6:33	LBD
Chloromethane	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 6:33	LBD
1,2-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 6:33	LBD
1,3-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 6:33	LBD
1,4-Dichlorobenzene	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 6:33	LBD
1,2-Dichloroethane	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 6:33	LBD
1,1-Dichloroethane	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 6:33	LBD
1,1-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 6:33	LBD
trans-1,2-Dichloroethylene	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 6:33	LBD
1,2-Dichloropropane	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 6:33	LBD
cis-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 6:33	LBD
trans-1,3-Dichloropropene	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 6:33	LBD
Ethylbenzene	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 6:33	LBD
Methyl tert-Butyl Ether (MTBE)	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 6:33	LBD
Methylene Chloride	ND	5.0	µg/L	1		EPA 624	9/26/13	9/27/13 6:33	LBD
1,1,2,2-Tetrachloroethane	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 6:33	LBD
Tetrachloroethylene	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 6:33	LBD
Toluene	ND	1.0	µg/L	1		EPA 624	9/26/13	9/27/13 6:33	LBD
1,1,1-Trichloroethane	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 6:33	LBD
1,1,2-Trichloroethane	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 6:33	LBD
Trichloroethylene	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 6:33	LBD
Trichlorofluoromethane (Freon 11)	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 6:33	LBD
Vinyl Chloride	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 6:33	LBD
m+p Xylene	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 6:33	LBD
o-Xylene	ND	2.0	µg/L	1		EPA 624	9/26/13	9/27/13 6:33	LBD

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
1,2-Dichloroethane-d4	107	70-130		9/27/13 6:33
Toluene-d8	98.9	70-130		9/27/13 6:33
4-Bromofluorobenzene	94.8	70-130		9/27/13 6:33

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Sample Extraction Data

Prep Method: SW-846 5030B-EPA 624

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
13I0861-01 [RW-1]	B081684	5	5.00	09/26/13
13I0861-02 [RW-2]	B081684	5	5.00	09/26/13
13I0861-03 [EFF 46 HZ]	B081684	5	5.00	09/26/13

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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 B081684 - SW-846 5030B										
Blank (B081684-BLK1)				Prepared & Analyzed: 09/26/13						
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	*24.5*		µg/L	25.0		97.9	70-130			
Surrogate: Toluene-d8	*24.3*		µg/L	25.0		97.2	70-130			
Surrogate: 4-Bromofluorobenzene	*23.9*		µg/L	25.0		95.7	70-130			
LCS (B081684-BS1)				Prepared & Analyzed: 09/26/13						
Benzene	10.2	1.0	µg/L	10.0		102	37-151			
Bromodichloromethane	8.78	2.0	µg/L	10.0		87.8	35-155			
Bromoform	6.96	2.0	µg/L	10.0		69.6	45-169			
Bromomethane	12.7	2.0	µg/L	10.0		127	20-242			
Carbon Tetrachloride	8.57	2.0	µg/L	10.0		85.7	70-140			
Chlorobenzene	10.3	2.0	µg/L	10.0		103	37-160			
Chlorodibromomethane	7.41	2.0	µg/L	10.0		74.1	53-149			
Chloroethane	9.53	2.0	µg/L	10.0		95.3	70-130			
2-Chloroethyl Vinyl Ether	101	10	µg/L	100		101	10-305			
Chloroform	9.52	2.0	µg/L	10.0		95.2	51-138			
Chloromethane	10.6	2.0	µg/L	10.0		106	20-273			
1,2-Dichlorobenzene	10.3	2.0	µg/L	10.0		103	18-190			
1,3-Dichlorobenzene	10.2	2.0	µg/L	10.0		102	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 B081684 - SW-846 5030B										
LCS (B081684-BS1)				Prepared & Analyzed: 09/26/13						
1,4-Dichlorobenzene	10.0	2.0	µg/L	10.0		100	18-190			
1,2-Dichloroethane	9.20	2.0	µg/L	10.0		92.0	49-155			
1,1-Dichloroethane	9.61	2.0	µg/L	10.0		96.1	59-155			
1,1-Dichloroethylene	9.63	2.0	µg/L	10.0		96.3	20-234			
trans-1,2-Dichloroethylene	11.1	2.0	µg/L	10.0		111	54-156			
1,2-Dichloropropane	10.1	2.0	µg/L	10.0		101	20-210			
cis-1,3-Dichloropropene	9.87	2.0	µg/L	10.0		98.7	20-227			
trans-1,3-Dichloropropene	11.0	2.0	µg/L	10.0		110	17-183			
Ethylbenzene	10.4	2.0	µg/L	10.0		104	37-162			
Methyl tert-Butyl Ether (MTBE)	9.79	2.0	µg/L	10.0		97.9	70-130			
Methylene Chloride	11.0	5.0	µg/L	10.0		110	50-221			
1,1,2,2-Tetrachloroethane	9.30	2.0	µg/L	10.0		93.0	46-157			
Tetrachloroethylene	9.94	2.0	µg/L	10.0		99.4	64-148			
Toluene	10.2	1.0	µg/L	10.0		102	47-150			
1,1,1-Trichloroethane	9.18	2.0	µg/L	10.0		91.8	52-162			
1,1,2-Trichloroethane	9.81	2.0	µg/L	10.0		98.1	52-150			
Trichloroethylene	9.79	2.0	µg/L	10.0		97.9	71-157			
Trichlorofluoromethane (Freon 11)	9.26	2.0	µg/L	10.0		92.6	17-181			
Vinyl Chloride	9.87	2.0	µg/L	10.0		98.7	20-251			
m+p Xylene	21.1	2.0	µg/L	20.0		106	70-130			
o-Xylene	10.5	2.0	µg/L	10.0		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	*23.0*		µg/L	25.0		92.2	70-130			
Surrogate: Toluene-d8	*25.2*		µg/L	25.0		101	70-130			
Surrogate: 4-Bromofluorobenzene	*24.7*		µg/L	25.0		98.9	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
Bromodichloromethane	CT,MA,NH,NY,RI,NC,ME,VA
Bromoform	CT,MA,NH,NY,RI,NC,ME,VA
Bromomethane	CT,MA,NH,NY,RI,NC,ME,VA
Carbon Tetrachloride	CT,MA,NH,NY,RI,NC,ME,VA
Chlorobenzene	CT,MA,NH,NY,RI,NC,ME,VA
Chlorodibromomethane	CT,MA,NH,NY,RI,NC,ME,VA
Chloroethane	CT,MA,NH,NY,RI,NC,ME,VA
2-Chloroethyl Vinyl Ether	CT,MA,NH,NY,RI,NC,ME,VA
Chloroform	CT,MA,NH,NY,RI,NC,ME,VA
Chloromethane	CT,MA,NH,NY,RI,NC,ME,VA
1,2-Dichlorobenzene	CT,MA,NH,NY,RI,NC,ME,VA
1,3-Dichlorobenzene	CT,MA,NH,NY,RI,NC,ME,VA
1,4-Dichlorobenzene	CT,MA,NH,NY,RI,NC,ME,VA
1,2-Dichloroethane	CT,MA,NH,NY,RI,NC,ME,VA
1,1-Dichloroethane	CT,MA,NH,NY,RI,NC,ME,VA
1,1-Dichloroethylene	CT,MA,NH,NY,RI,NC,ME,VA
trans-1,2-Dichloroethylene	CT,MA,NH,NY,RI,NC,ME,VA
1,2-Dichloropropane	CT,MA,NH,NY,RI,NC,ME,VA
cis-1,3-Dichloropropene	CT,MA,NH,NY,RI,NC,ME,VA
trans-1,3-Dichloropropene	CT,MA,NH,NY,RI,NC,ME,VA
Ethylbenzene	CT,MA,NH,NY,RI,NC,ME,VA
Methyl tert-Butyl Ether (MTBE)	NC
Methylene Chloride	CT,MA,NH,NY,RI,NC,ME,VA
1,1,2,2-Tetrachloroethane	CT,MA,NH,NY,RI,NC,ME,VA
Tetrachloroethylene	CT,MA,NH,NY,RI,NC,ME,VA
Toluene	CT,MA,NH,NY,RI,NC,ME,VA
1,1,1-Trichloroethane	CT,MA,NH,NY,RI,NC,ME,VA
1,1,2-Trichloroethane	CT,MA,NH,NY,RI,NC,ME,VA
Trichloroethylene	CT,MA,NH,NY,RI,NC,ME,VA
Trichlorofluoromethane (Freon 11)	CT,MA,NH,NY,RI,NC,ME,VA
Vinyl Chloride	CT,MA,NH,NY,RI,NC,ME,VA
m+p Xylene	CT,MA,NH,NY,RI,NC,VA
o-Xylene	CT,MA,NH,NY,RI,NC,VA

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2014
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

B10861

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 1

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

Telephone: 518-250-7308
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
01	RW-1	1245	9/23/13		X	GW	M
02	RW-2	1250	9/23/13		X	GW	M
03	Eff 46 Hz	1255	9/23/13		X	GW	L

	# of Containers	** Preservation	***Container Code	ANALYSIS REQUESTED
01	9	H	V	624
02				
03				

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 bisulfat
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: 9/24/13 1305
Received by: (signature) Kenneth Bute 3.9°C	Date/Time: 9/25/13 940
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: NYSDEC 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

IMPORTANT!
Daily operations have resumed in Colorado. Learn More

FedEx.

898732508938

Ship (P/U) date :
Tues 9/24/2013 4:05 pm
CLI US

Delivered
Signed for by: C COLLINS

Actual delivery :
Wed 9/25/2013 9:40 am
MA US

Travel History

Date/Time	Activity	Location
- 9/25/2013 - Wednesday		
9:40 am	Delivered	MA
8:20 am	On FedEx vehicle for delivery	WINDSOR LOCKS, CT
7:34 am	At local FedEx facility	WINDSOR LOCKS, CT
3:41 am	Departed FedEx location	NEWARK, NJ
- 9/24/2013 - Tuesday		
7:22 pm	Left FedEx origin facility	BINGHAMTON, NY
4:05 pm	Picked up	BINGHAMTON, NY

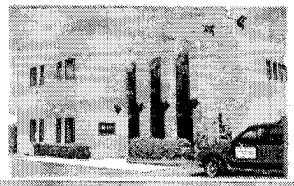
Local Scan Time

Shipment Facts

Tracking number	898732508938	**Service**	FedEx Priority Overnight
Weight	14 lbs	**Dimensions**	19x13x11 in.
Delivered To	Shipping/Receiving	**Total pieces**	1
Total shipment weight	14 lbs / 6.4 kgs	**Shipper reference**	0266406.0000
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: Arcadia RECEIVED BY: KOB DATE: 9-25-13

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 _____ Temperature °C by Temp gun 3.9c

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	9	Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

Laboratory Comments:

40 mL vials: # HCl 9 # 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.	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 ~~NA~~	
18) There is sufficient volume for all requsted analyses, including any requested MS/MSDs.	T	
19) Trip blanks provided if applicable.	NA	
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:**

Log-In Technician Initials: KOB **Date/Time:** 9-25-13 940