New York State Department of Environmental Conservation

Department of Environmental Remediation • 625 Broadway • Albany, New York 12233

Site Number 7-09-009

Gladding Cordage Site Quarterly Report

Third Quarter 2008

New York State Department of Environmental Conservation Work Assignment D004443-5

October 2008

Report Prepared By:

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MALCOLM PIRNIE

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1. Introduction

The New York State Department of Environmental Conservation (NYSDEC) has issued a Work Assignment (# D004443-5) to Malcolm Pirnie, Inc. (Malcolm Pirnie) for Operation, Maintenance, and Monitoring at the Gladding Cordage Site in New York State (Site # 7-09-009). Malcolm Pirnie has prepared this Quarterly Report in accordance with the NYSDEC-approved Work Plan to summarize site activities.

2. Site Activities

2.1 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.

2.2 OPERATION AND MAINTENANCE

On August 23, 2007, NYSDEC provided a training session to Malcolm Pirnie personnel on the operation and maintenance (O&M) of the groundwater treatment plant at the Gladding Cordage Site. Since then, Malcolm Pirnie has maintained operation of the groundwater treatment plant. This includes the operation, maintenance, and influent/effluent sampling in accordance with the NYSDEC O&M manual (Operation and Maintenance Manual, Volume I, Gladding Cordage Site, Site 7-09-009, TAMS Consultants, Inc., 1996) (O&M Manual).

2.2.1 System Operation

The groundwater treatment system operated for 86 of a possible 92 days during the third quarter, 2008. As shown on the O&M Check Lists and Daily Phone Logs (Appendix A), the system was shut down for 3 days in July due to a tripped circuit breaker for the auto-dial system. The circuit breaker fault was likely caused by a power surge from lightning during reported thunderstorms. The system was also shut down in August for three days due to localized power interruptions. Groundwater recovery well RW-2 operated 100 percent of the time that the treatment system was on during the second quarter, 2008. Groundwater recovery well RW-1operated 68 percent of the time the treatment system was on in July due to a faulty pressure transducer. During August and September, RW-1 operated 100 percent of the time the treatment system was in service.

The monthly flow rates and total flow volumes for the 2008 third quarter operating period are summarized in Table 2-1. As shown in Table 2-1, the third quarter groundwater treatment system pumping rates for RW-1 were approximately 30 GPM. The flow meter for RW-2 was removed for repairs in November 2007 and has not been replaced; no flow measurements are currently reported for this recovery well. The flow rate for RW-2 is estimated based on previously reported values. Table 2-1 shows that approximately 6.2 million gallons of water were treated during the third quarter, 2008.

2.2.2 Influent-Effluent Sampling

Third quarter, 2008 influent and effluent groundwater samples were collected from the Gladding Cordage treatment system in accordance with the Work Plan. Influent and effluent groundwater samples were sent to Chemtech Laboratories following chain-of-custody protocols for analysis of target compound list (TCL) volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260B. Analytical Reporting Forms are provided in Appendix B.

Table 2-2 and Table 2-3 summarize the VOC influent and effluent sample results, respectfully. Table 2-2 shows that the third quarter 2008 concentrations of 1,1,1-trichloroethane in the samples from recovery well RW-1 ranged from 66 micrograms per liter (ug/L) to 75 ug/L and ranged from 49 ug/L to 58 ug/L in the samples from RW-2. These results exceed the corresponding NYSDEC Class GA Standard of 5 ug/L. The concentrations of 1,1-dichloroethene in the July 2, 2008 sample from recovery well RW-1 (5.5 ug/L) was slightly greater than the applicable NYSDEC Class GA Standard of 5 ug/L. As shown in Table 2-1, this was the only sample collected during the second quarter sampling events that contained 1,1-dichloroethene at concentration greater than the applicable NYSDEC Class GA Standard. The concentrations of 1,1-dichloroethene in the July samples from RW-2 and the August samples from RW-1 were estimated (based on "J" qualifier) at 4.6 ug/L and 3.3 ug/L, respectively. As mentioned above, these results are less than the corresponding NYSDEC Class GA Standard of 5ug/L. The July samples from RW-1 and RW-2 contained 1,1-dichloroethane at estimated concentrations of 2.8 ug/l and 1 ug/l, respectively. The VOC 1,1-dichloroethane was also detected in the August sample at a concentration of 2.6 ug/l. None of these results exceeded the NYSDEC Class GA Standard for 1,1-dichlorethane of 5 ug/l.

Table 2-3 summarizes laboratory analytical data for effluent samples collected during the third quarter of 2008. A variable frequency drive (VFD) was installed on the blower motor on January 9. 2008. Following the installation of the VFD, effluent samples were collected at various frequencies including 40 HZ, 50 HZ, and 60 HZ. The analyte 1,1,1-trichloroethane was detected at 6 ug/l in the 40 HZ effluent sample and 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. Effluent samples were collected at 42 HZ, 44 HZ, and 46 HZ, respectively. No VOCs were detected in any of these effluent samples. Based on the results, the VFD was set to 42 HZ.

The June 2008 effluent sample contained 1,1,1-trichloroethane at an estimated concentration (based on "J" qualifier) of 1.9 ug/L which is less than the corresponding NYSDEC Class GA Standard of 5 ug/L. In response to the detection, the blower frequency was increased from 43 HZ to 44 HZ. As shown on Table 2-3, no VOCs were detected in any of the effluent samples during the third quarter 2008 operational period.

Based on influent sample concentrations and total flow volumes from the Gladding Cordage treatment system, approximately 3.3 pounds of VOCs were removed by the treatment system during the third quarter, 2008.

2.2.3 General Operation and Maintenance

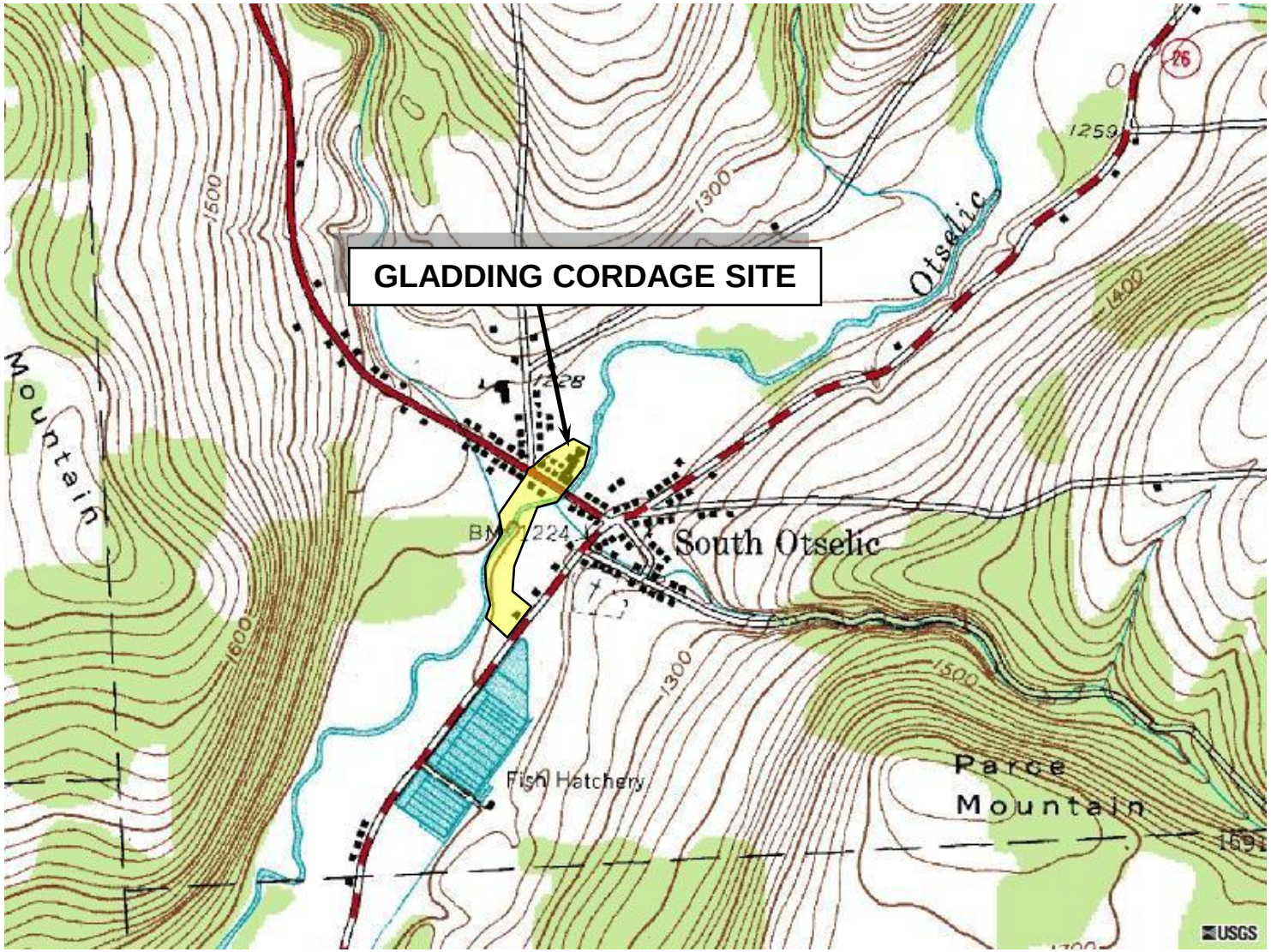
No significant repairs were performed at the Gladding Cordage site during the third quarter 2008 operational period. However, a pressure transducer was ordered to replace the faulty transducer for recovery well RW-1. The repair is scheduled for the fourth quarter, 2008

2.3 GROUNDWATER MONITORING PROGRAM

In accordance with the NYSDEC, groundwater samples were collected from the site using Passive Diffusion Bags (PDBs) during the third quarter 2007. The results of the sampling event were submitted with third quarter 2007 Gladding Cordage Site Quarterly Report and Annual Groundwater Monitoring Summary (Malcolm Pirnie, 2007). The next annual groundwater monitoring event is scheduled for the fourth quarter, 2008.

3. Summary

The Gladding Cordage groundwater treatment system operated approximately 93 percent of the total available time during the third quarter, 2008. The average total flow rate through the treatment system during this period was approximately 55 GPM. Total flow through the treatment system during the third quarter operational period was approximately 6.2 million gallons. Based on monthly influent and effluent sampling, the treatment system successfully removes VOCs from groundwater extracted from the capture zone. However, due to a detection of 1,1,1-trichloroethane in the June effluent samples, the VFD setting was increased to 44 HZ. No VOCs were detected in any of the third quarter effluent samples. The optimal VFD setting will continue to be evaluated. Approximately 3.3 pounds of VOCs were removed by the treatment system during the third quarter, 2008.



SCALE IN FEET

0 500 1000 2000

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

MALCOLM PIRNIE

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

GLADDING CORDAGE SITE LOCATION

FIGURE 2-1

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TABLE 2-1
TREATMENT SYSTEM STATUS AND FLOW SUMMARY
GLADDING CORDAGE SITE
SOUTH OTSELIC, NEW YORK
NYSDEC SITE NO. 7-04-009A

Month	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)	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	-	437760 (3)	276480 (3)	714,240	
September-07	30	100%	100%	100%	38	25	-	1641600 (3)	1080000 (3)	2,721,600	3,435,840
October-07	20	65%	100%	100%	38.2	25.7	2276270	1100160 (3)	740160 (3)	1,840,320	
November-07	30	100%	67%	100%	39.9	24.9 (2)	3235110	958840 (4)	1075680 (3)	2,034,520	6,172,646
December-07	31	100%	39%	100%	31.8	24.9 (2)	4421380	1186270 (4)	1111536 (3)	2,297,806	
January-08	31	100%	100%	100%	31.8	24.9 (2)	5278000	856620 (4)	1111536 (3)	1,968,156	
February-08	26	90%	69%	88%	32	24.9 (2)	6457610	1179610 (4)	820385 (3)	1,999,995	5,503,499
March-08	23	74%	100%	100%	32.9	24.9 (2)	7168270	710660 (4)	824688 (3)	1,535,348	
April-08	30	100%	100%	100%	30.8	24.9 (2)	8219790	1051520 (4)	1075680 (3)	2,127,200	
May-08	31	100%	100%	100%	31.3	24.9 (2)	9458370	1238580 (4)	1111536 (3)	2,350,116	6,846,908
June-08	27	90%	100%	100%	30.5	24.9 (2)	10859850	1401480 (4)	968112 (3)	2,369,592	
July-08	28	90%	68%	100%	30.1	24.9 (2)	11889440	1029590 (4)	1003968 (3)	2,033,558	
August-08	28	90%	100%	100%	30	24.9 (2)	12832500	943060 (4)	1003968 (3)	1,947,028	6,201,456
September-08	30	100%	100%	100%	29.8	24.9 (2)	13977690	1145190 (4)	1075680 (3)	2,220,870	
Total Flow								**14,880,940**	**13,279,409**	**28,160,349**	

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

Sample ID Sampling Date Matrix Units	NYSDEC GA Standard ug/L	RW-1 9/6/2007 WATER ug/L	RW-2 9/6/2007 WATER ug/L	RW-1 10/4/2007 WATER ug/L	RW-2 10/4/2007 WATER ug/L	RW-1 11/6/2007 WATER ug/L	RW-2 11/6/2007 WATER ug/L	RW-1 12/6/2007 WATER ug/L	RW-2 12/6/2007 WATER ug/L	RW-1 1/9/2008 WATER ug/L	RW-2 1/9/2008 WATER ug/L	RW-1 2/6/2008 WATER ug/L	RW-2 2/6/2008 WATER ug/L	RW-1 3/6/2008 WATER ug/L	RW-2 3/6/2008 WATER ug/L	RW-1 4/7/2008 WATER ug/L
VOCs																
1,1,1-Trichloroethane	5	**52**	**45**	**69**	**46**	**52**	**40**	**79**	**53**	**75**	**53**	**75**	**56**	**84**	**56**	**75**
1,1,2,2-Tetrachloroethane	5	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.49 U	0.49 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
1,1,2-Trichloroethane	1	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.52 U	0.52 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
1,1,2-Trichlorotrifluoroethane	5	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	0.35 U	0.35 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
1,1-Dichloroethane	5	0.38 U	0.38 U	0.38 U	0.38 U	2.4 J	0.38 U	3.4	1.2	2.6	0.98 J	3.4 J	1.2 J	3.8 J	1.3 J	3.2 J
1,1-Dichloroethene	5	**12**	**7.9**	4.0 J	**5.4**	1.3 J	1.1 J	**6.0**	4.1	1.6	1.0	2.6 J	1.7 J	**6.9**	3.8 J	2.2 J
1,2,4-Trichlorobenzene		0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.41 U	0.41 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U
1,2-Dibromo-3-Chloropropane	0.04	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.45 U	0.45 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U
1,2-Dibromoethane	5	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.56 U	0.56 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
1,2-Dichlorobenzene	3	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.48 U	0.48 U	0.40 U	0.40 U	0.40 U	0.40 U	0.4 U	0.4 U	0.4 U
1,2-Dichloroethane	0.6	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.38 U	0.38 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
1,2-Dichloropropane	1	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.56 U	0.56 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U
1,3-Dichlorobenzene	3	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.45 U	0.45 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
1,4-Dichlorobenzene	3	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.54 U	0.43 U	0.43 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
2-Butanone	50	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	4.6 U	4.6 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2-Hexanone	50	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	2.9 U	2.9 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
4-Methyl-2-Pentanone		1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	2.7 U	2.7 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Acetone	50	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.7	2.7 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
Benzene	1	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.52 U	0.52 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
Bromodichloromethane	50	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.59 U	0.59 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
Bromoform	50	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.42 U	0.42 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Bromomethane	5	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.63 U	0.63 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Carbon Disulfide		0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.51 U	0.51 U	0.20 U	0.20 U	0.20 U	0.20 U	0.2 U	0.2 U	0.2 U
Carbon Tetrachloride	5	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	0.49 U	0.49 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
Chlorobenzene	5	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.50 U	0.50 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
Chloroethane	5	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.83 U	0.49 U	0.49 U	0.80 U	0.80 U	0.80 U	0.80 U	0.8 U	0.8 U	0.8 U
Chloroform	7	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.46 U	0.46 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
Chloromethane		0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.38 U	0.38 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
cis-1,2-Dichloroethene	5	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.53 U	0.53 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
cis-1,3-Dichloropropene	0.4	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.54 U	0.54 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
Cyclohexane		0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.37 U	0.37 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U
Dibromochloromethane	50	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.45 U	0.45 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
Dichlorodifluoromethane	5	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U	0.43 U	0.43 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U
Ethyl Benzene	5	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.50 U	0.50 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Isopropylbenzene	5	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
m/p-Xylenes	5	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	0.97 U	0.97 U	0.47 U	0.47 U	0.47 U	0.47 U	1.4 J	1.2 J	0.47 U
Methyl Acetate		0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.92 U	0.92 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
Methyl tert-butyl Ether		0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.50 U	0.50 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
Methylcyclohexane		0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.43 U	0.43 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U
Methylene Chloride	5	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.43 U	0.52 U	0.52 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
o-Xylene		0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.51 U	0.51 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Styrene	5	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.48 U	0.48 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
t-1,3-Dichloropropene	0.4	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.44 U	0.44 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
Tetrachloroethene	5	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U	0.68 U	0.68 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U
Toluene	5	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.36 U	0.51 U	0.51 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
trans-1,2-Dichloroethene	5	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.57 U	0.57 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Trichloroethene	5	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.56 U	0.56 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
Trichlorofluoromethane	5	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.40 U	0.40 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
Vinyl Chloride	2	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.46 U	0.46 U	0.30 U	0.30 U	0.30 U	0.30 U	0.3 U	0.3 U	0.3 U
Total VOCs		64	53	73	51	55.7	41	88.4	58	79.2	55.0	81	58.9	96.1	62.3	80.4

- Concentration exceeds corresponding NYSDEC Class GA Standard.

U - Not detected at the indicated concentration

J - Estimated concentration.

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

Sample ID Sampling Date Matrix Units	NYSDEC GA Standard ug/L	RW-2 4/7/2008 WATER ug/L	RW-1 5/5/2008 WATER ug/L	RW-2 5/5/2008 WATER ug/L	RW-1 6/6/2008 WATER ug/L	RW-2 6/6/2008 WATER ug/L	RW-1 7/2/2008 WATER ug/L	RW-2 7/2/2008 WATER ug/L	RW-1 8/8/2008 WATER ug/L	RW-2 8/8/2008 WATER ug/L	RW-1 9/5/2008 WATER ug/L	RW-2 9/5/2008 WATER ug/L
VOCs												
1,1,1-Trichloroethane	5	**57**	**62**	**44**	**62**	**41**	**67**	**49**	**66**	**50**	**75**	**58**
1,1,2,2-Tetrachloroethane	5	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
1,1,2-Trichloroethane	1	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
1,1,2-Trichlorotrifluoroethane	5	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
1,1-Dichloroethane	5	0.67 U	0.67 U	0.67 U	2 J	0.92 J	2.8 J	1 J	2.6 J	0.67 U	0.67 U	0.67 U
1,1-Dichloroethene	5	2.1 J	**5.5**	4.2 J	4.8 J	3 J	**5.5**	4.6 J	3.3 J	0.67 U	0.67 U	0.67 U
1,2,4-Trichlorobenzene		0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U
1,2-Dibromo-3-Chloropropane	0.04	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U
1,2-Dibromoethane	5	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
1,2-Dichlorobenzene	3	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichloroethane	0.6	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
1,2-Dichloropropane	1	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U
1,3-Dichlorobenzene	3	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
1,4-Dichlorobenzene	3	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
2-Butanone	50	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2-Hexanone	50	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
4-Methyl-2-Pentanone		1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Acetone	50	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
Benzene	1	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
Bromodichloromethane	50	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
Bromoform	50	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Bromomethane	5	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Carbon Disulfide		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Carbon Tetrachloride	5	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
Chlorobenzene	5	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
Chloroethane	5	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Chloroform	7	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
Chloromethane		0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
cis-1,2-Dichloroethene	5	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
cis-1,3-Dichloropropene	0.4	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
Cyclohexane		0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U	0.57 U
Dibromochloromethane	50	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
Dichlorodifluoromethane	5	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U
Ethyl Benzene	5	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Isopropylbenzene	5	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
m/p-Xylenes	5	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U
Methyl Acetate		0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
Methyl tert-butyl Ether		0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
Methylcyclohexane		0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U
Methylene Chloride	5	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
o-Xylene		0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Styrene	5	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
t-1,3-Dichloropropene	0.4	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
Tetrachloroethene	5	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U
Toluene	5	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
trans-1,2-Dichloroethene	5	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Trichloroethene	5	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
Trichlorofluoromethane	5	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
Vinyl Chloride	2	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Total VOCs		59.1	67.5	48.2	66.8	44.0	75.3	54.6	71.9	50.0	75	58.0

- Concentration exceeds corresponding NYSDEC Class GA Standard.

U - Not detected at the indicated concentration

J - Estimated concentration.

TABLE 2-3
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 9/6/2007 WATER ug/L	EFF 10/4/2007 WATER ug/L	EFF 11/6/2007 WATER ug/L	EFF 12/6/2007 WATER ug/L	EFF(40HZ) 1/9/2008 WATER ug/L	EFF(50HZ) 1/9/2008 WATER ug/L
VOCs							
1,1,1-Trichloroethane	5	0.32 U	0.32 U	0.32 U	0.46 U	**6.0**	0.39 U
1,1,2,2-Tetrachloroethane	5	0.30 U	0.30 U	0.30 U	0.49 U	0.37 U	0.37 U
1,1,2-Trichloroethane	1	0.41 U	0.41 U	0.41 U	0.52 U	0.32 U	0.32 U
1,1,2-Trichlorotrifluoroethane	5	1.3 U	1.3 U	1.3 U	0.35 U	0.61 U	0.61 U
1,1-Dichloroethane	5	0.38 U	0.38 U	0.38 U	0.55 U	0.67 U	0.67 U
1,1-Dichloroethene	5	0.42 U	0.42 U	0.42 U	0.55 U	0.67 U	0.67 U
1,2-Dibromo-3-Chloropropane	0.04	0.38 U	0.38 U	0.38 U	0.45 U	0.58 U	0.58 U
1,2-Dibromoethane	5	0.32 U	0.32 U	0.32 U	0.56 U	0.26 U	0.26 U
1,2-Dichlorobenzene	3	0.44 U	0.44 U	0.44 U	0.48 U	0.40 U	0.40 U
1,2-Dichloroethane	0.6	0.34 U	0.34 U	0.34 U	0.38 U	0.41 U	0.41 U
1,2-Dichloropropane	1	0.40 U	0.40 U	0.40 U	0.56 U	0.46 U	0.46 U
1,3-Dichlorobenzene	3	0.50 U	0.50 U	0.50 U	0.45 U	0.28 U	0.28 U
1,4-Dichlorobenzene	3	0.54 U	0.54 U	0.54 U	0.43 U	0.22 U	0.22 U
2-Butanone	50	1.1 U	1.1 U	43	4.6 U	1.9 U	1.9 U
2-Hexanone	50	1.7 U	1.7 U	1.7 U	2.9 U	1.8 U	1.8 U
4-Methyl-2-Pentanone		1.6 U	1.6 U	1.6 U	2.7 U	1.8 U	1.8 U
Acetone	50	2.3 U	2.3 U	2.3 U	2.7 U	2.2 U	2.2 U
Benzene	1	0.39 U	0.39 U	0.39 U	0.52 U	0.35 U	0.35 U
Bromodichloromethane	50	0.33 U	0.33 U	0.33 U	0.59 U	0.23 U	0.23 U
Bromoform	50	0.32 U	0.32 U	0.32 U	0.42 U	0.44 U	0.44 U
Bromomethane	5	0.41 U	0.41 U	0.41 U	0.63 U	1.4 U	1.4 U
Carbon Disulfide		0.40 U	0.40 U	0.40 U	0.51 U	0.20 U	0.20 U
Carbon Tetrachloride	5	1.1 U	1.1 U	1.1 U	0.49 U	0.27 U	0.27 U
Chlorobenzene	5	0.47 U	0.47 U	0.47 U	0.50 U	0.28 U	0.28 U
Chloroethane	5	0.83 U	0.83 U	0.83 U	0.49 U	0.80 U	0.80 U
Chloroform	7	0.33 U	0.33 U	0.33 U	0.46 U	0.45 U	0.45 U
Chloromethane		0.34 U	0.34 U	0.34 U	0.38 U	0.37 U	0.37 U
cis-1,2-Dichloroethene	5	0.29 U	0.29 U	0.29 U	0.53 U	0.72 U	0.72 U
cis-1,3-Dichloropropene	0.4	0.36 U	0.36 U	0.36 U	0.54 U	0.29 U	0.29 U
Dibromochloromethane	50	0.26 U	0.26 U	0.26 U	0.45 U	0.23 U	0.23 U
Dichlorodifluoromethane	5	0.17 U	0.17 U	0.17 U	0.43 U	0.88 U	0.88 U
Ethyl Benzene	5	0.45 U	0.45 U	0.45 U	0.50 U	0.05 U	0.05 U
Isopropylbenzene	5	0.44 U	0.44 U	0.44 U	0.44 U	0.37 U	0.37 U
m/p-Xylenes	5	1.2 U	1.2 U	1.2 U	0.97 U	0.47 U	0.47 U
Methyl Acetate		0.20 U	0.20 U	0.20 U	0.92 U	0.45 U	0.45 U
Methyl tert-butyl Ether		0.28 U	0.28 U	0.28 U	0.50 U	0.23 U	0.23 U
Methylcyclohexane		0.34 U	0.34 U	0.34 U	0.43 U	0.47 U	0.47 U
Methylene Chloride	5	0.43 U	0.43 U	0.43 U	0.52 U	0.38 U	0.38 U
o-Xylene		0.46 U	0.46 U	0.46 U	0.51 U	0.16 U	0.16 U
Styrene	5	0.41 U	0.41 U	0.41 U	0.48 U	0.19 U	0.19 U
t-1,3-Dichloropropene	0.4	0.32 U	0.32 U	0.32 U	0.44 U	0.31 U	0.31 U
Tetrachloroethene	5	0.48 U	0.48 U	0.48 U	0.68 U	0.97 U	0.97 U
Toluene	5	0.36 U	0.36 U	0.36 U	0.51 U	0.16 U	0.16 U
trans-1,2-Dichloroethene	5	0.40 U	0.40 U	0.40 U	0.57 U	0.44 U	0.44 U
Trichloroethene	5	0.46 U	0.46 U	0.46 U	0.56 U	0.34 U	0.34 U
Trichlorofluoromethane	5	0.22 U	0.22 U	0.22 U	0.40 U	0.53 U	0.53 U
Vinyl Chloride	2	0.33 U	0.33 U	0.33 U	0.46 U	0.30 U	0.30 U

Notes
U - Not detected at the indicated concentration.
J - Estimated concentration.

TABLE 2-3
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(60HZ) 1/9/2008 WATER ug/L	EFF(42HZ) 2/6/2008 WATER ug/L	EFF(44HZ) 2/6/2008 WATER ug/L	EFF(44HZ) Duplicate 2/6/2008 WATER ug/L	EFF(46HZ) 2/6/2008 WATER ug/L	EFF(42HZ) 3/6/2008 WATER ug/L
VOCs							
1,1,1-Trichloroethane	5	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U	0.39 U
1,1,2,2-Tetrachloroethane	5	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
1,1,2-Trichloroethane	1	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
1,1,2-Trichlorotrifluoroethane	5	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
1,1-Dichloroethane	5	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
1,1-Dichloroethene	5	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
1,2-Dibromo-3-Chloropropane	0.04	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U
1,2-Dibromoethane	5	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
1,2-Dichlorobenzene	3	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.4 U
1,2-Dichloroethane	0.6	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
1,2-Dichloropropane	1	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U
1,3-Dichlorobenzene	3	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
1,4-Dichlorobenzene	3	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
2-Butanone	50	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2-Hexanone	50	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
4-Methyl-2-Pentanone		1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Acetone	50	2.2	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
Benzene	1	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
Bromodichloromethane	50	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
Bromoform	50	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Bromomethane	5	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Carbon Disulfide		0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.2 U
Carbon Tetrachloride	5	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
Chlorobenzene	5	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
Chloroethane	5	0.80 U	0.80 U	0.80 U	0.80 U	0.80 U	0.8 U
Chloroform	7	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
Chloromethane		0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
cis-1,2-Dichloroethene	5	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
cis-1,3-Dichloropropene	0.4	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
Dibromochloromethane	50	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
Dichlorodifluoromethane	5	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U
Ethyl Benzene	5	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Isopropylbenzene	5	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
m/p-Xylenes	5	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	1.2 J
Methyl Acetate		0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
Methyl tert-butyl Ether		0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
Methylcyclohexane		0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U
Methylene Chloride	5	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
o-Xylene		0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Styrene	5	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
t-1,3-Dichloropropene	0.4	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
Tetrachloroethene	5	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U
Toluene	5	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
trans-1,2-Dichloroethene	5	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Trichloroethene	5	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
Trichlorofluoromethane	5	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
Vinyl Chloride	2	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.3 U

Notes
U - Not detected at the indicated concentration.
J - Estimated concentration.

TABLE 2-3
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(42HZ) 4/7/2008 WATER ug/L	EFF(42HZ) 5/5/2008 WATER ug/L	EFF(43HZ) 6/6/2008 WATER ug/L	EFF(44HZ) 7/2/2008 WATER ug/L	EFF(44HZ) 8/8/2008 WATER ug/L	EFF(44HZ) 9/5/2008 WATER ug/L
VOCs							
1,1,1-Trichloroethane	5	2.2 J	0.39 U	1.9 J	0.39 U	0.39 U	0.39 U
1,1,2,2-Tetrachloroethane	5	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
1,1,2-Trichloroethane	1	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U	0.32 U
1,1,2-Trichlorotrifluoroethane	5	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
1,1-Dichloroethane	5	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
1,1-Dichloroethene	5	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U
1,2-Dibromo-3-Chloropropane	0.04	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U	0.58 U
1,2-Dibromoethane	5	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U	0.26 U
1,2-Dichlorobenzene	3	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
1,2-Dichloroethane	0.6	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U	0.41 U
1,2-Dichloropropane	1	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U	0.46 U
1,3-Dichlorobenzene	3	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
1,4-Dichlorobenzene	3	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U	0.22 U
2-Butanone	50	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
2-Hexanone	50	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
4-Methyl-2-Pentanone		1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Acetone	50	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
Benzene	1	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
Bromodichloromethane	50	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
Bromoform	50	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Bromomethane	5	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Carbon Disulfide		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Carbon Tetrachloride	5	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
Chlorobenzene	5	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
Chloroethane	5	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Chloroform	7	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
Chloromethane		0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
cis-1,2-Dichloroethene	5	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
cis-1,3-Dichloropropene	0.4	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U
Dibromochloromethane	50	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
Dichlorodifluoromethane	5	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U
Ethyl Benzene	5	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Isopropylbenzene	5	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
m/p-Xylenes	5	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U
Methyl Acetate		0.45 U	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
Methyl tert-butyl Ether		0.23 U	0.23 U	0.23 U	0.23 U	0.23 U	0.23 U
Methylcyclohexane		0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U
Methylene Chloride	5	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U	0.38 U
o-Xylene		0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
Styrene	5	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U	0.19 U
t-1,3-Dichloropropene	0.4	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
Tetrachloroethene	5	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U	0.97 U
Toluene	5	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U
trans-1,2-Dichloroethene	5	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
Trichloroethene	5	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U	0.34 U
Trichlorofluoromethane	5	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U	0.53 U
Vinyl Chloride	2	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U

Notes
U - Not detected at the indicated concentration.
J - Estimated concentration.

New York State Department of Environmental Conservation
Gladding Cordage Site Quarterly Report

APPENDIX

A

Monthly Reports and System Operation and Maintenance Logs

MALCOLM PIRNIE

Daily Phone Log
Gladding Cordage Groundwater Treatment System
South Otselic, New York
NYSDEC Site #709009
315-653-7234

Date	System Information				
	Blower Pressure	Sump Level	Recovery Well 1	Recovery Well 2	Notes
7/1/2008	X	X	X	X	
7/2/2008	X	X	X	X	
7/3/2008	X	X	X	X	
7/4/2008	X	X	X	X	(1)
7/5/2008	X	X	X	X	(1)
7/6/2008	X	X	X	X	(1)
7/7/2008	X	X	X	X	
7/8/2008	X	X	X	X	
7/9/2008	X	X	X	X	
7/10/2008	X	X	X	X	
7/11/2008	X	X	X	X	
7/12/2008	X	X	X	X	(1)
7/13/2008	X	X	X	X	(1)
7/14/2008	X	X	X	X	
7/15/2008	X	X	X	X	
7/16/2008	X	X		X	RW-1 down
7/17/2008	X	X		X	RW-1 down
7/18/2008	X	X		X	RW-1 down
7/19/2008	X	X		X	(1)
7/20/2008	X	X		X	(1)
7/21/2008	X	X		X	RW-1 down
7/22/2008	X	X		X	RW-1 down
7/23/2008	X	X		X	RW-1 down
7/24/2008	X	X		X	RW-1 down
7/25/2008	X	X	X	X	
7/26/2008	X	X	X	X	(1)
7/27/2008					System Down (1)
7/28/2008					System Down (1)
7/29/2008					System Down (1)
7/30/2008	X	X	X	X	
7/31/2008	X	X	X	X	

Notes:
X - Indicates normal operation
1 - No data recorded. System operation based on previous and subsequent day's call log.

Daily Phone Log
Gladding Cordage Groundwater Treatment System
South Otselic, New York
NYSDEC Site #709009
315-653-7234

Date	System Information				
	Blower Pressure	Sump Level	Recovery Well 1	Recovery Well 2	Notes
8/1/2008	X	X	X	X	
8/2/2008	X	X	X	X	(1)
8/3/2008	X	X	X	X	(1)
8/4/2008	X	X	X	X	
8/5/2008	X	X	X	X	
8/6/2008	X	X	X	X	
8/7/2008	X	X	X	X	
8/8/2008	X	X	X	X	
8/9/2008	X	X	X	X	(1)
8/10/2008		X			System Down (1)
8/11/2008		X			System Down (1)
8/12/2008		X			System Down (1)
8/13/2008	X	X	X	X	
8/14/2008	X	X	X	X	
8/15/2008	X	X	X	X	
8/16/2008	X	X	X	X	(1)
8/17/2008	X	X	X	X	(1)
8/18/2008	X	X	X	X	
8/19/2008	X	X	X	X	
8/20/2008	X	X	X	X	
8/21/2008	X	X	X	X	
8/22/2008	X	X	X	X	
8/23/2008	X	X	X	X	(1)
8/24/2008	X	X	X	X	(1)
8/25/2008	X	X	X	X	
8/26/2008	X	X	X	X	
8/27/2008	X	X	X	X	
8/28/2008	X	X	X	X	
8/29/2008	X	X	X	X	
8/30/2008	X	X	X	X	(1)
8/31/2008	X	X	X	X	(1)

Notes:
X - Indicates normal operation
1 - No data recorded. System operation based on previous and subsequent day's call log.

Daily Phone Log
Gladding Cordage Groundwater Treatment System
South Otselic, New York
NYSDEC Site #709009
315-653-7234

Date	System Information				
	Blower Pressure	Sump Level	Recovery Well 1	Recovery Well 2	Notes
9/1/2008	X	X	X	X	
9/2/2008	X	X	X	X	
9/3/2008	X	X	X	X	
9/4/2008	X	X	X	X	
9/5/2008	X	X	X	X	
9/6/2008	X	X	X	X	(1)
9/7/2008	X	X	X	X	(1)
9/8/2008	X	X	X	X	
9/9/2008	X	X	X	X	
9/10/2008	X	X	X	X	
9/11/2008	X	X	X	X	
9/12/2008	X	X	X	X	
9/13/2008	X	X	X	X	(1)
9/14/2008	X	X	X	X	(1)
9/15/2008	X	X	X	X	
9/16/2008	X	X	X	X	
9/17/2008	X	X	X	X	
9/18/2008	X	X	X	X	
9/19/2008	X	X	X	X	
9/20/2008	X	X	X	X	(1)
9/21/2008	X	X	X	X	(1)
9/22/2008	X	X	X	X	
9/23/2008	X	X	X	X	
9/24/2008	X	X	X	X	
9/25/2008	X	X	X	X	
9/26/2008	X	X	X	X	
9/27/2008	X	X	X	X	(1)
9/28/2008	X	X	X	X	(1)
9/29/2008	X	X	X	X	
9/30/2008	X	X	X	X	

Notes:
X - Indicates normal operation
1 - No data recorded. System operation based on previous and subsequent day's call log.

GROUNDWATER TREATMENT SYSTEM
OPERATION AND MAINTENANCE CHECK LIST

Gladding Cordage
South Otselic, New York
NYSDEC Site #709009

Date 7/2/2008
Inspector JW
Time (in) 10:20 (out) 12:46

System Operation	Initial	Final	**Alarms**	Initial	Final
System On (Y/N)	Y	Y	Blower Pressure (Y/N)	N	N
RW-1 On (Y/N)	Y	Y	Sump Level (Y/N)	N	N
RW-2 On (Y/N)	Y	Y	RW-1 (Y/N)	N	N
Blower On (Y/N)	Y	Y	RW-2 (Y/N)	N	N

Recovery Wells	Initial	Final		Initial	Final
	RW-1			RW-2	
Flow Rate (GPM	30.1	28.9		Flow meter inop	
Total Flow (Gallons)	1188944	1085985		Flow meter inop	
Water Level (Feet)	60.17	135.5		33.9	33.8

Influent/Effluent Piping OK? (Y/N) Y

Air Stripper		Initial	Final
Blower VFD Setting (Hertz)		43	44
System Pressure (inches water)		9.0	9.4
Intake/Exhaust Piping OK? (Y/N)	Y		
Water Leaks (Y/N)	N		
Water Temperature (F°)	50		

General Building/Site			
Building Condition OK? (Y/N)	Y	Sump Pump Operational? (Y/N)	Y
Heat (On/Off)	Off	Sump High Level Switch OK? (Y/N)	Y
Grass Mowed (Y/N)	Y	Circuit Breakers Checked (Y/N)	Y
Monitoring Wells OK? (Y/N)	Y	Samples Collected (Y/N)	Y

Notes:

RW-1 pressure transducer not reading properly.
Removed and checked vent line; all looks OK
Readings not as expected. Need milliamp meter to diagnose.
VOCs detected in June 08 effluent sample, therefore increased blower speed to 44 HZ.
Collected samples after allowing system to operate at 44 HZ for aprox. 30 minutes.

GROUNDWATER TREATMENT SYSTEM
OPERATION AND MAINTENANCE CHECK LIST

Gladding Cordage
South Otselic, New York
NYSDEC Site #709009

Date 7/24/2008
Inspector JW
Time (in) 07:00 (out) 08:00

System Operation	Initial	Final	**Alarms**	Initial	Final
System On (Y/N)	Y	Y	Blower Pressure (Y/N)	N	N
RW-1 On (Y/N)	N	Y	Sump Level (Y/N)	N	N
RW-2 On (Y/N)	Y	Y	RW-1 (Y/N)	Y	N
Blower On (Y/N)	Y	Y	RW-2 (Y/N)	N	N

Recovery Wells	Initial	Final		Initial	Final
	RW-1			RW-2	
Flow Rate (GPM	0	31		Flow meter inop	
Total Flow (Gallons)	-	12325080		Flow meter inop	
Water Level (Feet)	inop	inop		33.8	33.8

Influent/Effluent Piping OK? (Y/N) Y

Air Stripper		Initial	Final
Blower VFD Setting (Hertz)		44	44
System Pressure (inches water)		9.5	9.5
Intake/Exhaust Piping OK? (Y/N)	Y		
Water Leaks (Y/N)	N		
Water Temperature (F°)	50		

General Building/Site			
Building Condition OK? (Y/N)	Y	Sump Pump Operational? (Y/N)	Y
Heat (On/Off)	Off	Sump High Level Switch OK? (Y/N)	Y
Grass Mowed (Y/N)	Needs Mowing	Circuit Breakers Checked (Y/N)	Y
Monitoring Wells OK? (Y/N)	Y	Samples Collected (Y/N)	N

Notes:

Inspect RW-1 transducer. Found low resistance between shield and sensor wire.
Removed transducer for repairs.

GROUNDWATER TREATMENT SYSTEM
OPERATION AND MAINTENANCE CHECK LIST

Gladding Cordage
South Otselic, New York
NYSDEC Site #709009

Date 7/29/2008
Inspector JW
Time (in) 12:15 (out) 13:00

System Operation	Initial	Final	**Alarms**	Initial	Final
System On (Y/N)	N	Y	Blower Pressure (Y/N)	-	N
RW-1 On (Y/N)	N	Y	Sump Level (Y/N)	-	N
RW-2 On (Y/N)	N	Y	RW-1 (Y/N)	-	N
Blower On (Y/N)	N	Y	RW-2 (Y/N)	-	N

Recovery Wells	Initial	Final		Initial	Final
	RW-1			RW-2	
Flow Rate (GPM	-	31.2		Flow meter inop	
Total Flow (Gallons)	-	1239400		Flow meter inop	
Water Level (Feet)	-	inop		-	33.9

Influent/Effluent Piping OK? (Y/N) Y

Air Stripper		Initial	Final
Blower VFD Setting (Hertz)		-	44
System Pressure (inches water)		-	9.3
Intake/Exhaust Piping OK? (Y/N)	Y		
Water Leaks (Y/N)	N		
Water Temperature (F°)	50		

General Building/Site			
Building Condition OK? (Y/N)	Y	Sump Pump Operational? (Y/N)	Y
Heat (On/Off)	Off	Sump High Level Switch OK? (Y/N)	Y
Grass Mowed (Y/N)	Needs Mowing	Circuit Breakers Checked (Y/N)	Y
Monitoring Wells OK? (Y/N)	Y	Samples Collected (Y/N)	N

Notes:

System down. Auto dialer not functioning. Found CB #19 tripped. Reset breaker and restart system. System operating normally.

Recent thunder storms may have tripped breaker due to voltage spike.

GROUNDWATER TREATMENT SYSTEM
OPERATION AND MAINTENANCE CHECK LIST

Gladding Cordage
South Otselic, New York
NYSDEC Site #709009

Date 8/8/2008
Inspector JW
Time (in) 14:05 (out) 15:30

System Operation	Initial	Final	**Alarms**	Initial	Final
System On (Y/N)	Y	Y	Blower Pressure (Y/N)	N	N
RW-1 On (Y/N)	Y	Y	Sump Level (Y/N)	N	N
RW-2 On (Y/N)	Y	Y	RW-1 (Y/N)	N	N
Blower On (Y/N)	Y	Y	RW-2 (Y/N)	N	N

Recovery Wells	Initial	Final		Initial	Final
	RW-1			RW-2	
Flow Rate (GPM	-	31.2		Flow meter inop	
Total Flow (Gallons)	-	1283250		Flow meter inop	
Water Level (Feet)	-	inop		-	33.9

Influent/Effluent Piping OK? (Y/N) Y

Air Stripper		Initial	Final
Blower VFD Setting (Hertz)		-	44
System Pressure (inches water)		-	9.3
Intake/Exhaust Piping OK? (Y/N)	Y		
Water Leaks (Y/N)	N		
Water Temperature (F°)	50		

General Building/Site			
Building Condition OK? (Y/N)	Y	Sump Pump Operational? (Y/N)	Y
Heat (On/Off)	Off	Sump High Level Switch OK? (Y/N)	Y
Grass Mowed (Y/N)	Y	Circuit Breakers Checked (Y/N)	Y
Monitoring Wells OK? (Y/N)	Y	Samples Collected (Y/N)	Y

Notes:

GROUNDWATER TREATMENT SYSTEM
OPERATION AND MAINTENANCE CHECK LIST

Gladding Cordage
South Otselic, New York
NYSDEC Site #709009

Date 8/12/2008
Inspector JW
Time (in) 11:00 (out) 12:30

System Operation	Initial	Final	**Alarms**	Initial	Final
System On (Y/N)	N	Y	Blower Pressure (Y/N)	Y	N
RW-1 On (Y/N)	N	Y	Sump Level (Y/N)	Y	N
RW-2 On (Y/N)	N	Y	RW-1 (Y/N)	Y	N
Blower On (Y/N)	N	Y	RW-2 (Y/N)	Y	N

Recovery Wells	Initial	Final		Initial	Final
	RW-1			RW-2	
Flow Rate (GPM	-	30.9		Flow meter inop	
Total Flow (Gallons)	-	12941290		Flow meter inop	
Water Level (Feet)	-	inop		-	33.4

Influent/Effluent Piping OK? (Y/N) Y

Air Stripper		Initial	Final
Blower VFD Setting (Hertz)		-	44
System Pressure (inches water)		-	9.3
Intake/Exhaust Piping OK? (Y/N)	Y		
Water Leaks (Y/N)	N		
Water Temperature (F°)	50		

General Building/Site			
Building Condition OK? (Y/N)	Y	Sump Pump Operational? (Y/N)	Y
Heat (On/Off)	Off	Sump High Level Switch OK? (Y/N)	Y
Grass Mowed (Y/N)	Y	Circuit Breakers Checked (Y/N)	Y
Monitoring Wells OK? (Y/N)	Y	Samples Collected (Y/N)	Y

Notes:

System down. No breakers tripped. Restart system. Operating normally.
Inquired at Gladding Cordage building about recent power failures. Said power was out over weekend.

GROUNDWATER TREATMENT SYSTEM
OPERATION AND MAINTENANCE CHECK LIST

Gladding Cordage
South Otselic, New York
NYSDEC Site #709009

Date 9/5/2008
Inspector JW
Time (in) 09:00 (out) 10:30

System Operation	Initial	Final	**Alarms**	Initial	Final
System On (Y/N)	Y	Y	Blower Pressure (Y/N)	N	N
RW-1 On (Y/N)	Y	Y	Sump Level (Y/N)	N	N
RW-2 On (Y/N)	Y	Y	RW-1 (Y/N)	N	N
Blower On (Y/N)	Y	Y	RW-2 (Y/N)	N	N

Recovery Wells	Initial	Final		Initial	Final
	RW-1			RW-2	
Flow Rate (GPM	-	29.8		Flow meter inop	
Total Flow (Gallons)	-	13977690		Flow meter inop	
Water Level (Feet)	-	inop		-	32.4

Influent/Effluent Piping OK? (Y/N) Y

Air Stripper		Initial	Final
Blower VFD Setting (Hertz)		-	44
System Pressure (inches water)		-	9.2
Intake/Exhaust Piping OK? (Y/N)	Y		
Water Leaks (Y/N)	N		
Water Temperature (F°)	50		

General Building/Site			
Building Condition OK? (Y/N)	Y	Sump Pump Operational? (Y/N)	Y
Heat (On/Off)	Off	Sump High Level Switch OK? (Y/N)	Y
Grass Mowed (Y/N)	Y	Circuit Breakers Checked (Y/N)	Y
Monitoring Wells OK? (Y/N)	Y	Samples Collected (Y/N)	Y

Notes:

Attempt to mow grass but machine broke before finished. Will finish at later date.

New York State Department of Environmental Conservation
Gladding Cordage Site Quarterly Report

APPENDIX

B

Analytical Reporting Forms

MALCOLM PIRNIE

ANALYTICAL RESULTS
SUMMARY

PROJECT NAME : DEC GLADDING CORDAGE

MALCOLM PIRNIE, INC.

43 British American Boulevard

Latham , NY - 12110

Phone No: 5187822100

CHEMTECH PROJECT **Z3556**

ATTENTION: **Jeremy Wyckoff**

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Malcolm Pirnie, Inc.**	**Date Collected:**	**7/2/2008**
Project:	**DEC Gladding Cordage**	**Date Received:**	**7/3/2008**
Client Sample ID:	**RW-1**	**SDG No.:**	**Z3556**
Lab Sample ID:	**Z3556-01**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF012798.D	1	7/8/2008	VF070708

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.88	U	5.0	0.88	ug/L
74-87-3	Chloromethane	0.37	U	5.0	0.37	ug/L
75-01-4	Vinyl chloride	0.30	U	5.0	0.30	ug/L
74-83-9	Bromomethane	1.4	U	5.0	1.4	ug/L
75-00-3	Chloroethane	0.80	U	5.0	0.80	ug/L
75-69-4	Trichlorofluoromethane	0.53	U	5.0	0.53	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.61	U	5.0	0.61	ug/L
75-35-4	1,1-Dichloroethene	5.5		5.0	0.67	ug/L
67-64-1	Acetone	2.2	U	25	2.2	ug/L
75-15-0	Carbon disulfide	0.20	U	5.0	0.20	ug/L
1634-04-4	Methyl tert-butyl Ether	0.23	U	5.0	0.23	ug/L
79-20-9	Methyl Acetate	0.45	U	5.0	0.45	ug/L
75-09-2	Methylene Chloride	0.38	U	5.0	0.38	ug/L
156-60-5	trans-1,2-Dichloroethene	0.44	U	5.0	0.44	ug/L
75-34-3	1,1-Dichloroethane	2.8	J	5.0	0.67	ug/L
110-82-7	Cyclohexane	0.57	U	5.0	0.57	ug/L
78-93-3	2-Butanone	1.9	U	25	1.9	ug/L
56-23-5	Carbon Tetrachloride	0.27	U	5.0	0.27	ug/L
156-59-2	cis-1,2-Dichloroethene	0.72	U	5.0	0.72	ug/L
67-66-3	Chloroform	0.45	U	5.0	0.45	ug/L
71-55-6	1,1,1-Trichloroethane	67		5.0	0.39	ug/L
108-87-2	Methylcyclohexane	0.47	U	5.0	0.47	ug/L
71-43-2	Benzene	0.35	U	5.0	0.35	ug/L
107-06-2	1,2-Dichloroethane	0.41	U	5.0	0.41	ug/L
79-01-6	Trichloroethene	0.34	U	5.0	0.34	ug/L
78-87-5	1,2-Dichloropropane	0.46	U	5.0	0.46	ug/L
75-27-4	Bromodichloromethane	0.23	U	5.0	0.23	ug/L
108-10-1	4-Methyl-2-Pentanone	1.8	U	25	1.8	ug/L
108-88-3	Toluene	0.16	U	5.0	0.16	ug/L
10061-02-6	t-1,3-Dichloropropene	0.31	U	5.0	0.31	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.29	U	5.0	0.29	ug/L
79-00-5	1,1,2-Trichloroethane	0.32	U	5.0	0.32	ug/L

U = Not Detected
RL = Reporting Limit
MDL = Method Detection Limit
E = Value Exceeds Calibration Range
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Malcolm Pirnie, Inc.**	**Date Collected:**	**7/2/2008**
Project:	**DEC Gladding Cordage**	**Date Received:**	**7/3/2008**
Client Sample ID:	**RW-1**	**SDG No.:**	**Z3556**
Lab Sample ID:	**Z3556-01**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF012798.D	1	7/8/2008	VF070708

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	1.8	U	25	1.8	ug/L
124-48-1	Dibromochloromethane	0.23	U	5.0	0.23	ug/L
106-93-4	1,2-Dibromoethane	0.26	U	5.0	0.26	ug/L
127-18-4	Tetrachloroethene	0.97	U	5.0	0.97	ug/L
108-90-7	Chlorobenzene	0.28	U	5.0	0.28	ug/L
100-41-4	Ethyl Benzene	0.05	U	5.0	0.05	ug/L
126777-61-2	m/p-Xylenes	0.47	U	10	0.47	ug/L
95-47-6	o-Xylene	0.16	U	5.0	0.16	ug/L
100-42-5	Styrene	0.19	U	5.0	0.19	ug/L
75-25-2	Bromoform	0.44	U	5.0	0.44	ug/L
98-82-8	Isopropylbenzene	0.37	U	5.0	0.37	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	5.0	0.37	ug/L
541-73-1	1,3-Dichlorobenzene	0.28	U	5.0	0.28	ug/L
106-46-7	1,4-Dichlorobenzene	0.22	U	5.0	0.22	ug/L
95-50-1	1,2-Dichlorobenzene	0.40	U	5.0	0.40	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.58	U	5.0	0.58	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.39	U	5.0	0.39	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.08	116 %	75 - 124		SPK: 50
1868-53-7	Dibromofluoromethane	50.39	101 %	84 - 122		SPK: 50
2037-26-5	Toluene-d8	51.14	102 %	83 - 117		SPK: 50
460-00-4	4-Bromofluorobenzene	43.49	87 %	74 - 123		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	635356	9.69			
540-36-3	1,4-Difluorobenzene	1273666	10.32			
3114-55-4	Chlorobenzene-d5	1088776	13.40			
3855-82-1	1,4-Dichlorobenzene-d4	358283	15.86			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Malcolm Pirnie, Inc.**	**Date Collected:**	**7/2/2008**
Project:	**DEC Gladding Cordage**	**Date Received:**	**7/3/2008**
Client Sample ID:	**RW-2**	**SDG No.:**	**Z3556**
Lab Sample ID:	**Z3556-02**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF012799.D	1	7/8/2008	VF070708

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.88	U	5.0	0.88	ug/L
74-87-3	Chloromethane	0.37	U	5.0	0.37	ug/L
75-01-4	Vinyl chloride	0.30	U	5.0	0.30	ug/L
74-83-9	Bromomethane	1.4	U	5.0	1.4	ug/L
75-00-3	Chloroethane	0.80	U	5.0	0.80	ug/L
75-69-4	Trichlorofluoromethane	0.53	U	5.0	0.53	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.61	U	5.0	0.61	ug/L
75-35-4	1,1-Dichloroethene	4.6	J	5.0	0.67	ug/L
67-64-1	Acetone	2.2	U	25	2.2	ug/L
75-15-0	Carbon disulfide	0.20	U	5.0	0.20	ug/L
1634-04-4	Methyl tert-butyl Ether	0.23	U	5.0	0.23	ug/L
79-20-9	Methyl Acetate	0.45	U	5.0	0.45	ug/L
75-09-2	Methylene Chloride	0.38	U	5.0	0.38	ug/L
156-60-5	trans-1,2-Dichloroethene	0.44	U	5.0	0.44	ug/L
75-34-3	1,1-Dichloroethane	1.0	J	5.0	0.67	ug/L
110-82-7	Cyclohexane	0.57	U	5.0	0.57	ug/L
78-93-3	2-Butanone	1.9	U	25	1.9	ug/L
56-23-5	Carbon Tetrachloride	0.27	U	5.0	0.27	ug/L
156-59-2	cis-1,2-Dichloroethene	0.72	U	5.0	0.72	ug/L
67-66-3	Chloroform	0.45	U	5.0	0.45	ug/L
71-55-6	1,1,1-Trichloroethane	49		5.0	0.39	ug/L
108-87-2	Methylcyclohexane	0.47	U	5.0	0.47	ug/L
71-43-2	Benzene	0.35	U	5.0	0.35	ug/L
107-06-2	1,2-Dichloroethane	0.41	U	5.0	0.41	ug/L
79-01-6	Trichloroethene	0.34	U	5.0	0.34	ug/L
78-87-5	1,2-Dichloropropane	0.46	U	5.0	0.46	ug/L
75-27-4	Bromodichloromethane	0.23	U	5.0	0.23	ug/L
108-10-1	4-Methyl-2-Pentanone	1.8	U	25	1.8	ug/L
108-88-3	Toluene	0.16	U	5.0	0.16	ug/L
10061-02-6	t-1,3-Dichloropropene	0.31	U	5.0	0.31	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.29	U	5.0	0.29	ug/L
79-00-5	1,1,2-Trichloroethane	0.32	U	5.0	0.32	ug/L

U = Not Detected
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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Malcolm Pirnie, Inc.**	**Date Collected:**	**7/2/2008**
Project:	**DEC Gladding Cordage**	**Date Received:**	**7/3/2008**
Client Sample ID:	**RW-2**	**SDG No.:**	**Z3556**
Lab Sample ID:	**Z3556-02**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF012799.D	1	7/8/2008	VF070708

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	1.8	U	25	1.8	ug/L
124-48-1	Dibromochloromethane	0.23	U	5.0	0.23	ug/L
106-93-4	1,2-Dibromoethane	0.26	U	5.0	0.26	ug/L
127-18-4	Tetrachloroethene	0.97	U	5.0	0.97	ug/L
108-90-7	Chlorobenzene	0.28	U	5.0	0.28	ug/L
100-41-4	Ethyl Benzene	0.05	U	5.0	0.05	ug/L
126777-61-2	m/p-Xylenes	0.47	U	10	0.47	ug/L
95-47-6	o-Xylene	0.16	U	5.0	0.16	ug/L
100-42-5	Styrene	0.19	U	5.0	0.19	ug/L
75-25-2	Bromoform	0.44	U	5.0	0.44	ug/L
98-82-8	Isopropylbenzene	0.37	U	5.0	0.37	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	5.0	0.37	ug/L
541-73-1	1,3-Dichlorobenzene	0.28	U	5.0	0.28	ug/L
106-46-7	1,4-Dichlorobenzene	0.22	U	5.0	0.22	ug/L
95-50-1	1,2-Dichlorobenzene	0.40	U	5.0	0.40	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.58	U	5.0	0.58	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.39	U	5.0	0.39	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.04	110 %	75 - 124		SPK: 50
1868-53-7	Dibromofluoromethane	49.33	99 %	84 - 122		SPK: 50
2037-26-5	Toluene-d8	50.04	100 %	83 - 117		SPK: 50
460-00-4	4-Bromofluorobenzene	41.56	83 %	74 - 123		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	652235	9.69			
540-36-3	1,4-Difluorobenzene	1301998	10.32			
3114-55-4	Chlorobenzene-d5	1093594	13.40			
3855-82-1	1,4-Dichlorobenzene-d4	343259	15.86			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Malcolm Pirnie, Inc.**	**Date Collected:**	**7/2/2008**
Project:	**DEC Gladding Cordage**	**Date Received:**	**7/3/2008**
Client Sample ID:	**EFF-44HZ**	**SDG No.:**	**Z3556**
Lab Sample ID:	**Z3556-03**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF012800.D	1	7/8/2008	VF070708

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.88	U	5.0	0.88	ug/L
74-87-3	Chloromethane	0.37	U	5.0	0.37	ug/L
75-01-4	Vinyl chloride	0.30	U	5.0	0.30	ug/L
74-83-9	Bromomethane	1.4	U	5.0	1.4	ug/L
75-00-3	Chloroethane	0.80	U	5.0	0.80	ug/L
75-69-4	Trichlorofluoromethane	0.53	U	5.0	0.53	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.61	U	5.0	0.61	ug/L
75-35-4	1,1-Dichloroethene	0.67	U	5.0	0.67	ug/L
67-64-1	Acetone	2.2	U	25	2.2	ug/L
75-15-0	Carbon disulfide	0.20	U	5.0	0.20	ug/L
1634-04-4	Methyl tert-butyl Ether	0.23	U	5.0	0.23	ug/L
79-20-9	Methyl Acetate	0.45	U	5.0	0.45	ug/L
75-09-2	Methylene Chloride	0.38	U	5.0	0.38	ug/L
156-60-5	trans-1,2-Dichloroethene	0.44	U	5.0	0.44	ug/L
75-34-3	1,1-Dichloroethane	0.67	U	5.0	0.67	ug/L
110-82-7	Cyclohexane	0.57	U	5.0	0.57	ug/L
78-93-3	2-Butanone	1.9	U	25	1.9	ug/L
56-23-5	Carbon Tetrachloride	0.27	U	5.0	0.27	ug/L
156-59-2	cis-1,2-Dichloroethene	0.72	U	5.0	0.72	ug/L
67-66-3	Chloroform	0.45	U	5.0	0.45	ug/L
71-55-6	1,1,1-Trichloroethane	0.39	U	5.0	0.39	ug/L
108-87-2	Methylcyclohexane	0.47	U	5.0	0.47	ug/L
71-43-2	Benzene	0.35	U	5.0	0.35	ug/L
107-06-2	1,2-Dichloroethane	0.41	U	5.0	0.41	ug/L
79-01-6	Trichloroethene	0.34	U	5.0	0.34	ug/L
78-87-5	1,2-Dichloropropane	0.46	U	5.0	0.46	ug/L
75-27-4	Bromodichloromethane	0.23	U	5.0	0.23	ug/L
108-10-1	4-Methyl-2-Pentanone	1.8	U	25	1.8	ug/L
108-88-3	Toluene	0.16	U	5.0	0.16	ug/L
10061-02-6	t-1,3-Dichloropropene	0.31	U	5.0	0.31	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.29	U	5.0	0.29	ug/L
79-00-5	1,1,2-Trichloroethane	0.32	U	5.0	0.32	ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Malcolm Pirnie, Inc.**	**Date Collected:**	**7/2/2008**
Project:	**DEC Gladding Cordage**	**Date Received:**	**7/3/2008**
Client Sample ID:	**EFF-44HZ**	**SDG No.:**	**Z3556**
Lab Sample ID:	**Z3556-03**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF012800.D	1	7/8/2008	VF070708

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	1.8	U	25	1.8	ug/L
124-48-1	Dibromochloromethane	0.23	U	5.0	0.23	ug/L
106-93-4	1,2-Dibromoethane	0.26	U	5.0	0.26	ug/L
127-18-4	Tetrachloroethene	0.97	U	5.0	0.97	ug/L
108-90-7	Chlorobenzene	0.28	U	5.0	0.28	ug/L
100-41-4	Ethyl Benzene	0.05	U	5.0	0.05	ug/L
126777-61-2	m/p-Xylenes	0.47	U	10	0.47	ug/L
95-47-6	o-Xylene	0.16	U	5.0	0.16	ug/L
100-42-5	Styrene	0.19	U	5.0	0.19	ug/L
75-25-2	Bromoform	0.44	U	5.0	0.44	ug/L
98-82-8	Isopropylbenzene	0.37	U	5.0	0.37	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	5.0	0.37	ug/L
541-73-1	1,3-Dichlorobenzene	0.28	U	5.0	0.28	ug/L
106-46-7	1,4-Dichlorobenzene	0.22	U	5.0	0.22	ug/L
95-50-1	1,2-Dichlorobenzene	0.40	U	5.0	0.40	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.58	U	5.0	0.58	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.39	U	5.0	0.39	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.63	111 %	75 - 124		SPK: 50
1868-53-7	Dibromofluoromethane	50.24	100 %	84 - 122		SPK: 50
2037-26-5	Toluene-d8	50.99	102 %	83 - 117		SPK: 50
460-00-4	4-Bromofluorobenzene	44.34	89 %	74 - 123		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	647071	9.69			
540-36-3	1,4-Difluorobenzene	1280147	10.32			
3114-55-4	Chlorobenzene-d5	1093703	13.40			
3855-82-1	1,4-Dichlorobenzene-d4	358430	15.85			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Malcolm Pirnie, Inc.**	**Date Collected:**	**7/2/2008**
Project:	**DEC Gladding Cordage**	**Date Received:**	**7/3/2008**
Client Sample ID:	**TRIPBLANK**	**SDG No.:**	**Z3556**
Lab Sample ID:	**Z3556-04**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF012797.D	1	7/8/2008	VF070708

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.88	U	5.0	0.88	ug/L
74-87-3	Chloromethane	0.37	U	5.0	0.37	ug/L
75-01-4	Vinyl chloride	0.30	U	5.0	0.30	ug/L
74-83-9	Bromomethane	1.4	U	5.0	1.4	ug/L
75-00-3	Chloroethane	0.80	U	5.0	0.80	ug/L
75-69-4	Trichlorofluoromethane	0.53	U	5.0	0.53	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.61	U	5.0	0.61	ug/L
75-35-4	1,1-Dichloroethene	0.67	U	5.0	0.67	ug/L
67-64-1	Acetone	2.2	U	25	2.2	ug/L
75-15-0	Carbon disulfide	0.20	U	5.0	0.20	ug/L
1634-04-4	Methyl tert-butyl Ether	0.23	U	5.0	0.23	ug/L
79-20-9	Methyl Acetate	0.45	U	5.0	0.45	ug/L
75-09-2	Methylene Chloride	0.38	U	5.0	0.38	ug/L
156-60-5	trans-1,2-Dichloroethene	0.44	U	5.0	0.44	ug/L
75-34-3	1,1-Dichloroethane	0.67	U	5.0	0.67	ug/L
110-82-7	Cyclohexane	0.57	U	5.0	0.57	ug/L
78-93-3	2-Butanone	1.9	U	25	1.9	ug/L
56-23-5	Carbon Tetrachloride	0.27	U	5.0	0.27	ug/L
156-59-2	cis-1,2-Dichloroethene	0.72	U	5.0	0.72	ug/L
67-66-3	Chloroform	0.45	U	5.0	0.45	ug/L
71-55-6	1,1,1-Trichloroethane	0.39	U	5.0	0.39	ug/L
108-87-2	Methylcyclohexane	0.47	U	5.0	0.47	ug/L
71-43-2	Benzene	0.35	U	5.0	0.35	ug/L
107-06-2	1,2-Dichloroethane	0.41	U	5.0	0.41	ug/L
79-01-6	Trichloroethene	0.34	U	5.0	0.34	ug/L
78-87-5	1,2-Dichloropropane	0.46	U	5.0	0.46	ug/L
75-27-4	Bromodichloromethane	0.23	U	5.0	0.23	ug/L
108-10-1	4-Methyl-2-Pentanone	1.8	U	25	1.8	ug/L
108-88-3	Toluene	0.16	U	5.0	0.16	ug/L
10061-02-6	t-1,3-Dichloropropene	0.31	U	5.0	0.31	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.29	U	5.0	0.29	ug/L
79-00-5	1,1,2-Trichloroethane	0.32	U	5.0	0.32	ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Malcolm Pirnie, Inc.**	**Date Collected:**	**7/2/2008**
Project:	**DEC Gladding Cordage**	**Date Received:**	**7/3/2008**
Client Sample ID:	**TRIPBLANK**	**SDG No.:**	**Z3556**
Lab Sample ID:	**Z3556-04**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VF012797.D	1	7/8/2008	VF070708

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	1.8	U	25	1.8	ug/L
124-48-1	Dibromochloromethane	0.23	U	5.0	0.23	ug/L
106-93-4	1,2-Dibromoethane	0.26	U	5.0	0.26	ug/L
127-18-4	Tetrachloroethene	0.97	U	5.0	0.97	ug/L
108-90-7	Chlorobenzene	0.28	U	5.0	0.28	ug/L
100-41-4	Ethyl Benzene	0.05	U	5.0	0.05	ug/L
126777-61-2	m/p-Xylenes	0.47	U	10	0.47	ug/L
95-47-6	o-Xylene	0.16	U	5.0	0.16	ug/L
100-42-5	Styrene	0.19	U	5.0	0.19	ug/L
75-25-2	Bromoform	0.44	U	5.0	0.44	ug/L
98-82-8	Isopropylbenzene	0.37	U	5.0	0.37	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	5.0	0.37	ug/L
541-73-1	1,3-Dichlorobenzene	0.28	U	5.0	0.28	ug/L
106-46-7	1,4-Dichlorobenzene	0.22	U	5.0	0.22	ug/L
95-50-1	1,2-Dichlorobenzene	0.40	U	5.0	0.40	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.58	U	5.0	0.58	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.39	U	5.0	0.39	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.44	113 %	75 - 124		SPK: 50
1868-53-7	Dibromofluoromethane	49.88	100 %	84 - 122		SPK: 50
2037-26-5	Toluene-d8	50.98	102 %	83 - 117		SPK: 50
460-00-4	4-Bromofluorobenzene	42.95	86 %	74 - 123		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	646356	9.69			
540-36-3	1,4-Difluorobenzene	1287546	10.32			
3114-55-4	Chlorobenzene-d5	1089403	13.40			
3855-82-1	1,4-Dichlorobenzene-d4	348804	15.87			

U = Not Detected
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E = Value Exceeds Calibration Range
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Chemtech

Summary Sheet
SW-846

SDG No.: Z3556 **Order ID:** Z3556

Client: Malcolm Pirnie, Inc. **Project ID:** MALC02

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	**RW-1**							
Z3556-01	RW-1	WATER	1,1-Dichloroethene	5.5		5.0	0.67	ug/L
Z3556-01	RW-1	WATER	1,1-Dichloroethane	2.8	J	5.0	0.67	ug/L
Z3556-01	RW-1	WATER	1,1,1-Trichloroethane	67		5.0	0.39	ug/L
			Total VOC's:	**75.30**				
			Total TIC's:	**0.00**				
			Total VOC's and TIC's:	**75.30**				
Client ID:	**RW-2**							
Z3556-02	RW-2	WATER	1,1-Dichloroethene	4.6	J	5.0	0.67	ug/L
Z3556-02	RW-2	WATER	1,1-Dichloroethane	1.0	J	5.0	0.67	ug/L
Z3556-02	RW-2	WATER	1,1,1-Trichloroethane	49		5.0	0.39	ug/L
			Total VOC's:	**54.60**				
			Total TIC's:	**0.00**				
			Total VOC's and TIC's:	**54.60**				

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

ANALYTICAL RESULTS
SUMMARY

PROJECT NAME : DEC GLADDING CORDAGE

MALCOLM PIRNIE, INC.

43 British American Boulevard

Latham , NY - 12110

Phone No: 5187822100

CHEMTECH PROJECT **Z4064**

ATTENTION: **Jeremy Wyckoff**

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Malcolm Pirnie, Inc.**	**Date Collected:**	**8/8/2008**
Project:	**DEC Gladding Cordage**	**Date Received:**	**8/11/2008**
Client Sample ID:	**RW-1**	**SDG No.:**	**Z4064**
Lab Sample ID:	**Z4064-01**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH023169.D	1	8/16/2008	VH081308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.88	U	5.0	0.88	ug/L
74-87-3	Chloromethane	0.37	U	5.0	0.37	ug/L
75-01-4	Vinyl chloride	0.30	U	5.0	0.30	ug/L
74-83-9	Bromomethane	1.4	U	5.0	1.4	ug/L
75-00-3	Chloroethane	0.80	U	5.0	0.80	ug/L
75-69-4	Trichlorofluoromethane	0.53	U	5.0	0.53	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.61	U	5.0	0.61	ug/L
75-35-4	1,1-Dichloroethene	3.3	J	5.0	0.67	ug/L
67-64-1	Acetone	2.2	U	25	2.2	ug/L
75-15-0	Carbon disulfide	0.20	U	5.0	0.20	ug/L
1634-04-4	Methyl tert-butyl Ether	0.23	U	5.0	0.23	ug/L
79-20-9	Methyl Acetate	0.45	U	5.0	0.45	ug/L
75-09-2	Methylene Chloride	0.38	U	5.0	0.38	ug/L
156-60-5	trans-1,2-Dichloroethene	0.44	U	5.0	0.44	ug/L
75-34-3	1,1-Dichloroethane	2.6	J	5.0	0.67	ug/L
110-82-7	Cyclohexane	0.57	U	5.0	0.57	ug/L
78-93-3	2-Butanone	1.9	U	25	1.9	ug/L
56-23-5	Carbon Tetrachloride	0.27	U	5.0	0.27	ug/L
156-59-2	cis-1,2-Dichloroethene	0.72	U	5.0	0.72	ug/L
67-66-3	Chloroform	0.45	U	5.0	0.45	ug/L
71-55-6	1,1,1-Trichloroethane	66		5.0	0.39	ug/L
108-87-2	Methylcyclohexane	0.47	U	5.0	0.47	ug/L
71-43-2	Benzene	0.35	U	5.0	0.35	ug/L
107-06-2	1,2-Dichloroethane	0.41	U	5.0	0.41	ug/L
79-01-6	Trichloroethene	0.34	U	5.0	0.34	ug/L
78-87-5	1,2-Dichloropropane	0.46	U	5.0	0.46	ug/L
75-27-4	Bromodichloromethane	0.23	U	5.0	0.23	ug/L
108-10-1	4-Methyl-2-Pentanone	1.8	U	25	1.8	ug/L
108-88-3	Toluene	0.16	U	5.0	0.16	ug/L
10061-02-6	t-1,3-Dichloropropene	0.31	U	5.0	0.31	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.29	U	5.0	0.29	ug/L
79-00-5	1,1,2-Trichloroethane	0.32	U	5.0	0.32	ug/L

U = Not Detected
RL = Reporting Limit
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E = Value Exceeds Calibration Range
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B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Malcolm Pirnie, Inc.**	**Date Collected:**	**8/8/2008**
Project:	**DEC Gladding Cordage**	**Date Received:**	**8/11/2008**
Client Sample ID:	**RW-1**	**SDG No.:**	**Z4064**
Lab Sample ID:	**Z4064-01**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH023169.D	1	8/16/2008	VH081308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	1.8	U	25	1.8	ug/L
124-48-1	Dibromochloromethane	0.23	U	5.0	0.23	ug/L
106-93-4	1,2-Dibromoethane	0.26	U	5.0	0.26	ug/L
127-18-4	Tetrachloroethene	0.97	U	5.0	0.97	ug/L
108-90-7	Chlorobenzene	0.28	U	5.0	0.28	ug/L
100-41-4	Ethyl Benzene	0.05	U	5.0	0.05	ug/L
126777-61-2	m/p-Xylenes	0.47	U	10	0.47	ug/L
95-47-6	o-Xylene	0.16	U	5.0	0.16	ug/L
100-42-5	Styrene	0.19	U	5.0	0.19	ug/L
75-25-2	Bromoform	0.44	U	5.0	0.44	ug/L
98-82-8	Isopropylbenzene	0.37	U	5.0	0.37	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	5.0	0.37	ug/L
541-73-1	1,3-Dichlorobenzene	0.28	U	5.0	0.28	ug/L
106-46-7	1,4-Dichlorobenzene	0.22	U	5.0	0.22	ug/L
95-50-1	1,2-Dichlorobenzene	0.40	U	5.0	0.40	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.58	U	5.0	0.58	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.39	U	5.0	0.39	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.25	103 %	75 - 124		SPK: 50
1868-53-7	Dibromofluoromethane	54.36	109 %	84 - 122		SPK: 50
2037-26-5	Toluene-d8	50.67	101 %	83 - 117		SPK: 50
460-00-4	4-Bromofluorobenzene	47.55	95 %	74 - 123		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	484177	3.26			
540-36-3	1,4-Difluorobenzene	1146413	3.72			
3114-55-4	Chlorobenzene-d5	921576	6.92			
3855-82-1	1,4-Dichlorobenzene-d4	411003	9.70			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Malcolm Pirnie, Inc.**	**Date Collected:**	**8/8/2008**
Project:	**DEC Gladding Cordage**	**Date Received:**	**8/11/2008**
Client Sample ID:	**RW-2**	**SDG No.:**	**Z4064**
Lab Sample ID:	**Z4064-02**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH023170.D	1	8/16/2008	VH081308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.88	U	5.0	0.88	ug/L
74-87-3	Chloromethane	0.37	U	5.0	0.37	ug/L
75-01-4	Vinyl chloride	0.30	U	5.0	0.30	ug/L
74-83-9	Bromomethane	1.4	U	5.0	1.4	ug/L
75-00-3	Chloroethane	0.80	U	5.0	0.80	ug/L
75-69-4	Trichlorofluoromethane	0.53	U	5.0	0.53	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.61	U	5.0	0.61	ug/L
75-35-4	1,1-Dichloroethene	0.67	U	5.0	0.67	ug/L
67-64-1	Acetone	2.2	U	25	2.2	ug/L
75-15-0	Carbon disulfide	0.20	U	5.0	0.20	ug/L
1634-04-4	Methyl tert-butyl Ether	0.23	U	5.0	0.23	ug/L
79-20-9	Methyl Acetate	0.45	U	5.0	0.45	ug/L
75-09-2	Methylene Chloride	0.38	U	5.0	0.38	ug/L
156-60-5	trans-1,2-Dichloroethene	0.44	U	5.0	0.44	ug/L
75-34-3	1,1-Dichloroethane	0.67	U	5.0	0.67	ug/L
110-82-7	Cyclohexane	0.57	U	5.0	0.57	ug/L
78-93-3	2-Butanone	1.9	U	25	1.9	ug/L
56-23-5	Carbon Tetrachloride	0.27	U	5.0	0.27	ug/L
156-59-2	cis-1,2-Dichloroethene	0.72	U	5.0	0.72	ug/L
67-66-3	Chloroform	0.45	U	5.0	0.45	ug/L
71-55-6	1,1,1-Trichloroethane	50		5.0	0.39	ug/L
108-87-2	Methylcyclohexane	0.47	U	5.0	0.47	ug/L
71-43-2	Benzene	0.35	U	5.0	0.35	ug/L
107-06-2	1,2-Dichloroethane	0.41	U	5.0	0.41	ug/L
79-01-6	Trichloroethene	0.34	U	5.0	0.34	ug/L
78-87-5	1,2-Dichloropropane	0.46	U	5.0	0.46	ug/L
75-27-4	Bromodichloromethane	0.23	U	5.0	0.23	ug/L
108-10-1	4-Methyl-2-Pentanone	1.8	U	25	1.8	ug/L
108-88-3	Toluene	0.16	U	5.0	0.16	ug/L
10061-02-6	t-1,3-Dichloropropene	0.31	U	5.0	0.31	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.29	U	5.0	0.29	ug/L
79-00-5	1,1,2-Trichloroethane	0.32	U	5.0	0.32	ug/L

U = Not Detected
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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Malcolm Pirnie, Inc.**	**Date Collected:**	**8/8/2008**
Project:	**DEC Gladding Cordage**	**Date Received:**	**8/11/2008**
Client Sample ID:	**RW-2**	**SDG No.:**	**Z4064**
Lab Sample ID:	**Z4064-02**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VH023170.D	1	8/16/2008	VH081308

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	1.8	U	25	1.8	ug/L
124-48-1	Dibromochloromethane	0.23	U	5.0	0.23	ug/L
106-93-4	1,2-Dibromoethane	0.26	U	5.0	0.26	ug/L
127-18-4	Tetrachloroethene	0.97	U	5.0	0.97	ug/L
108-90-7	Chlorobenzene	0.28	U	5.0	0.28	ug/L
100-41-4	Ethyl Benzene	0.05	U	5.0	0.05	ug/L
126777-61-2	m/p-Xylenes	0.47	U	10	0.47	ug/L
95-47-6	o-Xylene	0.16	U	5.0	0.16	ug/L
100-42-5	Styrene	0.19	U	5.0	0.19	ug/L
75-25-2	Bromoform	0.44	U	5.0	0.44	ug/L
98-82-8	Isopropylbenzene	0.37	U	5.0	0.37	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	5.0	0.37	ug/L
541-73-1	1,3-Dichlorobenzene	0.28	U	5.0	0.28	ug/L
106-46-7	1,4-Dichlorobenzene	0.22	U	5.0	0.22	ug/L
95-50-1	1,2-Dichlorobenzene	0.40	U	5.0	0.40	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.58	U	5.0	0.58	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.39	U	5.0	0.39	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.85	104 %	75 - 124		SPK: 50
1868-53-7	Dibromofluoromethane	53.62	107 %	84 - 122		SPK: 50
2037-26-5	Toluene-d8	50.09	100 %	83 - 117		SPK: 50
460-00-4	4-Bromofluorobenzene	48.04	96 %	74 - 123		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	469711	3.25			
540-36-3	1,4-Difluorobenzene	1156805	3.72			
3114-55-4	Chlorobenzene-d5	958725	6.92			
3855-82-1	1,4-Dichlorobenzene-d4	422034	9.70			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Malcolm Pirnie, Inc.**	**Date Collected:**	**8/8/2008**
Project:	**DEC Gladding Cordage**	**Date Received:**	**8/11/2008**
Client Sample ID:	**EFF**	**SDG No.:**	**Z4064**
Lab Sample ID:	**Z4064-03**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VE009571.D	1	8/18/2008	VE081608

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.88	U	5.0	0.88	ug/L
74-87-3	Chloromethane	0.37	U	5.0	0.37	ug/L
75-01-4	Vinyl chloride	0.30	U	5.0	0.30	ug/L
74-83-9	Bromomethane	1.4	U	5.0	1.4	ug/L
75-00-3	Chloroethane	0.80	U	5.0	0.80	ug/L
75-69-4	Trichlorofluoromethane	0.53	U	5.0	0.53	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.61	U	5.0	0.61	ug/L
75-35-4	1,1-Dichloroethene	0.67	U	5.0	0.67	ug/L
67-64-1	Acetone	2.2	U	25	2.2	ug/L
75-15-0	Carbon disulfide	0.20	U	5.0	0.20	ug/L
1634-04-4	Methyl tert-butyl Ether	0.23	U	5.0	0.23	ug/L
79-20-9	Methyl Acetate	0.45	U	5.0	0.45	ug/L
75-09-2	Methylene Chloride	0.38	U	5.0	0.38	ug/L
156-60-5	trans-1,2-Dichloroethene	0.44	U	5.0	0.44	ug/L
75-34-3	1,1-Dichloroethane	0.67	U	5.0	0.67	ug/L
110-82-7	Cyclohexane	0.57	U	5.0	0.57	ug/L
78-93-3	2-Butanone	1.9	U	25	1.9	ug/L
56-23-5	Carbon Tetrachloride	0.27	U	5.0	0.27	ug/L
156-59-2	cis-1,2-Dichloroethene	0.72	U	5.0	0.72	ug/L
67-66-3	Chloroform	0.45	U	5.0	0.45	ug/L
71-55-6	1,1,1-Trichloroethane	0.39	U	5.0	0.39	ug/L
108-87-2	Methylcyclohexane	0.47	U	5.0	0.47	ug/L
71-43-2	Benzene	0.35	U	5.0	0.35	ug/L
107-06-2	1,2-Dichloroethane	0.41	U	5.0	0.41	ug/L
79-01-6	Trichloroethene	0.34	U	5.0	0.34	ug/L
78-87-5	1,2-Dichloropropane	0.46	U	5.0	0.46	ug/L
75-27-4	Bromodichloromethane	0.23	U	5.0	0.23	ug/L
108-10-1	4-Methyl-2-Pentanone	1.8	U	25	1.8	ug/L
108-88-3	Toluene	0.16	U	5.0	0.16	ug/L
10061-02-6	t-1,3-Dichloropropene	0.31	U	5.0	0.31	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.29	U	5.0	0.29	ug/L
79-00-5	1,1,2-Trichloroethane	0.32	U	5.0	0.32	ug/L

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B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Malcolm Pirnie, Inc.**	**Date Collected:**	**8/8/2008**
Project:	**DEC Gladding Cordage**	**Date Received:**	**8/11/2008**
Client Sample ID:	**EFF**	**SDG No.:**	**Z4064**
Lab Sample ID:	**Z4064-03**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VE009571.D	1	8/18/2008	VE081608

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	1.8	U	25	1.8	ug/L
124-48-1	Dibromochloromethane	0.23	U	5.0	0.23	ug/L
106-93-4	1,2-Dibromoethane	0.26	U	5.0	0.26	ug/L
127-18-4	Tetrachloroethene	0.97	U	5.0	0.97	ug/L
108-90-7	Chlorobenzene	0.28	U	5.0	0.28	ug/L
100-41-4	Ethyl Benzene	0.05	U	5.0	0.05	ug/L
126777-61-2	m/p-Xylenes	0.47	U	10	0.47	ug/L
95-47-6	o-Xylene	0.16	U	5.0	0.16	ug/L
100-42-5	Styrene	0.19	U	5.0	0.19	ug/L
75-25-2	Bromoform	0.44	U	5.0	0.44	ug/L
98-82-8	Isopropylbenzene	0.37	U	5.0	0.37	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	5.0	0.37	ug/L
541-73-1	1,3-Dichlorobenzene	0.28	U	5.0	0.28	ug/L
106-46-7	1,4-Dichlorobenzene	0.22	U	5.0	0.22	ug/L
95-50-1	1,2-Dichlorobenzene	0.40	U	5.0	0.40	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.58	U	5.0	0.58	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.39	U	5.0	0.39	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.89	108 %	75 - 124		SPK: 50
1868-53-7	Dibromofluoromethane	49.57	99 %	84 - 122		SPK: 50
2037-26-5	Toluene-d8	48.65	97 %	83 - 117		SPK: 50
460-00-4	4-Bromofluorobenzene	49.8	100 %	74 - 123		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	641902	9.40			
540-36-3	1,4-Difluorobenzene	1118670	10.49			
3114-55-4	Chlorobenzene-d5	1003279	14.91			
3855-82-1	1,4-Dichlorobenzene-d4	496715	18.71			

U = Not Detected
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N = Presumptive Evidence of a Compound

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Malcolm Pirnie, Inc.**	**Date Collected:**	**8/8/2008**
Project:	**DEC Gladding Cordage**	**Date Received:**	**8/11/2008**
Client Sample ID:	**TRIP BLANK**	**SDG No.:**	**Z4064**
Lab Sample ID:	**Z4064-04**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VE009533.D	1	8/14/2008	VE081208

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.88	U	5.0	0.88	ug/L
74-87-3	Chloromethane	0.37	U	5.0	0.37	ug/L
75-01-4	Vinyl chloride	0.30	U	5.0	0.30	ug/L
74-83-9	Bromomethane	1.4	U	5.0	1.4	ug/L
75-00-3	Chloroethane	0.80	U	5.0	0.80	ug/L
75-69-4	Trichlorofluoromethane	0.53	U	5.0	0.53	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.61	U	5.0	0.61	ug/L
75-35-4	1,1-Dichloroethene	0.67	U	5.0	0.67	ug/L
67-64-1	Acetone	2.2	U	25	2.2	ug/L
75-15-0	Carbon disulfide	0.20	U	5.0	0.20	ug/L
1634-04-4	Methyl tert-butyl Ether	0.23	U	5.0	0.23	ug/L
79-20-9	Methyl Acetate	0.45	U	5.0	0.45	ug/L
75-09-2	Methylene Chloride	0.38	U	5.0	0.38	ug/L
156-60-5	trans-1,2-Dichloroethene	0.44	U	5.0	0.44	ug/L
75-34-3	1,1-Dichloroethane	0.67	U	5.0	0.67	ug/L
110-82-7	Cyclohexane	0.57	U	5.0	0.57	ug/L
78-93-3	2-Butanone	1.9	U	25	1.9	ug/L
56-23-5	Carbon Tetrachloride	0.27	U	5.0	0.27	ug/L
156-59-2	cis-1,2-Dichloroethene	0.72	U	5.0	0.72	ug/L
67-66-3	Chloroform	0.45	U	5.0	0.45	ug/L
71-55-6	1,1,1-Trichloroethane	0.39	U	5.0	0.39	ug/L
108-87-2	Methylcyclohexane	0.47	U	5.0	0.47	ug/L
71-43-2	Benzene	0.35	U	5.0	0.35	ug/L
107-06-2	1,2-Dichloroethane	0.41	U	5.0	0.41	ug/L
79-01-6	Trichloroethene	0.34	U	5.0	0.34	ug/L
78-87-5	1,2-Dichloropropane	0.46	U	5.0	0.46	ug/L
75-27-4	Bromodichloromethane	0.23	U	5.0	0.23	ug/L
108-10-1	4-Methyl-2-Pentanone	1.8	U	25	1.8	ug/L
108-88-3	Toluene	0.16	U	5.0	0.16	ug/L
10061-02-6	t-1,3-Dichloropropene	0.31	U	5.0	0.31	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.29	U	5.0	0.29	ug/L
79-00-5	1,1,2-Trichloroethane	0.32	U	5.0	0.32	ug/L

U = Not Detected
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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Malcolm Pirnie, Inc.**	**Date Collected:**	**8/8/2008**
Project:	**DEC Gladding Cordage**	**Date Received:**	**8/11/2008**
Client Sample ID:	**TRIP BLANK**	**SDG No.:**	**Z4064**
Lab Sample ID:	**Z4064-04**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VE009533.D	1	8/14/2008	VE081208

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	1.8	U	25	1.8	ug/L
124-48-1	Dibromochloromethane	0.23	U	5.0	0.23	ug/L
106-93-4	1,2-Dibromoethane	0.26	U	5.0	0.26	ug/L
127-18-4	Tetrachloroethene	0.97	U	5.0	0.97	ug/L
108-90-7	Chlorobenzene	0.28	U	5.0	0.28	ug/L
100-41-4	Ethyl Benzene	0.05	U	5.0	0.05	ug/L
126777-61-2	m/p-Xylenes	0.47	U	10	0.47	ug/L
95-47-6	o-Xylene	0.16	U	5.0	0.16	ug/L
100-42-5	Styrene	0.19	U	5.0	0.19	ug/L
75-25-2	Bromoform	0.44	U	5.0	0.44	ug/L
98-82-8	Isopropylbenzene	0.37	U	5.0	0.37	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	5.0	0.37	ug/L
541-73-1	1,3-Dichlorobenzene	0.28	U	5.0	0.28	ug/L
106-46-7	1,4-Dichlorobenzene	0.22	U	5.0	0.22	ug/L
95-50-1	1,2-Dichlorobenzene	0.40	U	5.0	0.40	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.58	U	5.0	0.58	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.39	U	5.0	0.39	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.99	118 %	75 - 124		SPK: 50
1868-53-7	Dibromofluoromethane	54.2	108 %	84 - 122		SPK: 50
2037-26-5	Toluene-d8	49.08	98 %	83 - 117		SPK: 50
460-00-4	4-Bromofluorobenzene	47.29	95 %	74 - 123		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	1069619	9.44			
540-36-3	1,4-Difluorobenzene	1937321	10.53			
3114-55-4	Chlorobenzene-d5	1678217	14.96			
3855-82-1	1,4-Dichlorobenzene-d4	757804	18.76			

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Chemtech

Summary Sheet
SW-846

SDG No.: **Z4064** **Order ID:** **Z4064**

Client: **Malcolm Pirnie, Inc.** **Project ID:** **MALC02**

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	**RW-1**							
Z4064-01	RW-1	WATER	1,1-Dichloroethene	3.3	J	5.0	0.67	ug/L
Z4064-01	RW-1	WATER	1,1-Dichloroethane	2.6	J	5.0	0.67	ug/L
Z4064-01	RW-1	WATER	1,1,1-Trichloroethane	66		5.0	0.39	ug/L
			Total VOC's:	**71.90**				
			Total TIC's:	**0.00**				
			Total VOC's and TIC's:	**71.90**				
Client ID:	**RW-2**							
Z4064-02	RW-2	WATER	1,1,1-Trichloroethane	50		5.0	0.39	ug/L
			Total VOC's:	**50.00**				
			Total TIC's:	**0.00**				
			Total VOC's and TIC's:	**50.00**				

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.

ANALYTICAL RESULTS
SUMMARY

PROJECT NAME : DEC GLADDING CORDAGE

MALCOLM PIRNIE, INC.

43 British American Boulevard

Latham , NY - 12110

Phone No: 5187822100

CHEMTECH PROJECT **Z4449**

ATTENTION: **Jeremy Wyckoff**

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Malcolm Pirnie, Inc.**	**Date Collected:**	**9/5/2008**
Project:	**DEC Gladding Cordage**	**Date Received:**	**9/6/2008**
Client Sample ID:	**RW-1**	**SDG No.:**	**Z4449**
Lab Sample ID:	**Z4449-01**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD019328.D	1	9/13/2008	VD091208

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.88	U	5.0	0.88	ug/L
74-87-3	Chloromethane	0.37	U	5.0	0.37	ug/L
75-01-4	Vinyl chloride	0.30	U	5.0	0.30	ug/L
74-83-9	Bromomethane	1.4	U	5.0	1.4	ug/L
75-00-3	Chloroethane	0.80	U	5.0	0.80	ug/L
75-69-4	Trichlorofluoromethane	0.53	U	5.0	0.53	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.61	U	5.0	0.61	ug/L
75-35-4	1,1-Dichloroethene	0.67	U	5.0	0.67	ug/L
67-64-1	Acetone	2.2	U	25	2.2	ug/L
75-15-0	Carbon disulfide	0.20	U	5.0	0.20	ug/L
1634-04-4	Methyl tert-butyl Ether	0.23	U	5.0	0.23	ug/L
79-20-9	Methyl Acetate	0.45	U	5.0	0.45	ug/L
75-09-2	Methylene Chloride	0.38	U	5.0	0.38	ug/L
156-60-5	trans-1,2-Dichloroethene	0.44	U	5.0	0.44	ug/L
75-34-3	1,1-Dichloroethane	0.67	U	5.0	0.67	ug/L
110-82-7	Cyclohexane	0.57	U	5.0	0.57	ug/L
78-93-3	2-Butanone	1.9	U	25	1.9	ug/L
56-23-5	Carbon Tetrachloride	0.27	U	5.0	0.27	ug/L
156-59-2	cis-1,2-Dichloroethene	0.72	U	5.0	0.72	ug/L
67-66-3	Chloroform	0.45	U	5.0	0.45	ug/L
71-55-6	1,1,1-Trichloroethane	75		5.0	0.39	ug/L
108-87-2	Methylcyclohexane	0.47	U	5.0	0.47	ug/L
71-43-2	Benzene	0.35	U	5.0	0.35	ug/L
107-06-2	1,2-Dichloroethane	0.41	U	5.0	0.41	ug/L
79-01-6	Trichloroethene	0.34	U	5.0	0.34	ug/L
78-87-5	1,2-Dichloropropane	0.46	U	5.0	0.46	ug/L
75-27-4	Bromodichloromethane	0.23	U	5.0	0.23	ug/L
108-10-1	4-Methyl-2-Pentanone	1.8	U	25	1.8	ug/L
108-88-3	Toluene	0.16	U	5.0	0.16	ug/L
10061-02-6	t-1,3-Dichloropropene	0.31	U	5.0	0.31	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.29	U	5.0	0.29	ug/L
79-00-5	1,1,2-Trichloroethane	0.32	U	5.0	0.32	ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Malcolm Pirnie, Inc.**	**Date Collected:**	**9/5/2008**
Project:	**DEC Gladding Cordage**	**Date Received:**	**9/6/2008**
Client Sample ID:	**RW-1**	**SDG No.:**	**Z4449**
Lab Sample ID:	**Z4449-01**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VD019328.D	1	9/13/2008	VD091208

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	1.8	U	25	1.8	ug/L
124-48-1	Dibromochloromethane	0.23	U	5.0	0.23	ug/L
106-93-4	1,2-Dibromoethane	0.26	U	5.0	0.26	ug/L
127-18-4	Tetrachloroethene	0.97	U	5.0	0.97	ug/L
108-90-7	Chlorobenzene	0.28	U	5.0	0.28	ug/L
100-41-4	Ethyl Benzene	0.05	U	5.0	0.05	ug/L
126777-61-2	m/p-Xylenes	0.47	U	10	0.47	ug/L
95-47-6	o-Xylene	0.16	U	5.0	0.16	ug/L
100-42-5	Styrene	0.19	U	5.0	0.19	ug/L
75-25-2	Bromoform	0.44	U	5.0	0.44	ug/L
98-82-8	Isopropylbenzene	0.37	U	5.0	0.37	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	5.0	0.37	ug/L
541-73-1	1,3-Dichlorobenzene	0.28	U	5.0	0.28	ug/L
106-46-7	1,4-Dichlorobenzene	0.22	U	5.0	0.22	ug/L
95-50-1	1,2-Dichlorobenzene	0.40	U	5.0	0.40	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.58	U	5.0	0.58	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.39	U	5.0	0.39	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.53	115 %	75 - 124		SPK: 50
1868-53-7	Dibromofluoromethane	52.77	106 %	84 - 122		SPK: 50
2037-26-5	Toluene-d8	48.65	97 %	83 - 117		SPK: 50
460-00-4	4-Bromofluorobenzene	49.38	99 %	74 - 123		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	175364	4.49			
540-36-3	1,4-Difluorobenzene	254077	5.22			
3114-55-4	Chlorobenzene-d5	210439	10.20			
3855-82-1	1,4-Dichlorobenzene-d4	108733	12.71			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Malcolm Pirnie, Inc.**	**Date Collected:**	**9/5/2008**
Project:	**DEC Gladding Cordage**	**Date Received:**	**9/6/2008**
Client Sample ID:	**RW-2**	**SDG No.:**	**Z4449**
Lab Sample ID:	**Z4449-02**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI021642.D	1	9/11/2008	VI091108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.88	U	5.0	0.88	ug/L
74-87-3	Chloromethane	0.37	U	5.0	0.37	ug/L
75-01-4	Vinyl chloride	0.30	U	5.0	0.30	ug/L
74-83-9	Bromomethane	1.4	U	5.0	1.4	ug/L
75-00-3	Chloroethane	0.80	U	5.0	0.80	ug/L
75-69-4	Trichlorofluoromethane	0.53	U	5.0	0.53	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.61	U	5.0	0.61	ug/L
75-35-4	1,1-Dichloroethene	0.67	U	5.0	0.67	ug/L
67-64-1	Acetone	2.2	U	25	2.2	ug/L
75-15-0	Carbon disulfide	0.20	U	5.0	0.20	ug/L
1634-04-4	Methyl tert-butyl Ether	0.23	U	5.0	0.23	ug/L
79-20-9	Methyl Acetate	0.45	U	5.0	0.45	ug/L
75-09-2	Methylene Chloride	0.38	U	5.0	0.38	ug/L
156-60-5	trans-1,2-Dichloroethene	0.44	U	5.0	0.44	ug/L
75-34-3	1,1-Dichloroethane	0.67	U	5.0	0.67	ug/L
110-82-7	Cyclohexane	0.57	U	5.0	0.57	ug/L
78-93-3	2-Butanone	1.9	U	25	1.9	ug/L
56-23-5	Carbon Tetrachloride	0.27	U	5.0	0.27	ug/L
156-59-2	cis-1,2-Dichloroethene	0.72	U	5.0	0.72	ug/L
67-66-3	Chloroform	0.45	U	5.0	0.45	ug/L
71-55-6	1,1,1-Trichloroethane	58		5.0	0.39	ug/L
108-87-2	Methylcyclohexane	0.47	U	5.0	0.47	ug/L
71-43-2	Benzene	0.35	U	5.0	0.35	ug/L
107-06-2	1,2-Dichloroethane	0.41	U	5.0	0.41	ug/L
79-01-6	Trichloroethene	0.34	U	5.0	0.34	ug/L
78-87-5	1,2-Dichloropropane	0.46	U	5.0	0.46	ug/L
75-27-4	Bromodichloromethane	0.23	U	5.0	0.23	ug/L
108-10-1	4-Methyl-2-Pentanone	1.8	U	25	1.8	ug/L
108-88-3	Toluene	0.16	U	5.0	0.16	ug/L
10061-02-6	t-1,3-Dichloropropene	0.31	U	5.0	0.31	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.29	U	5.0	0.29	ug/L
79-00-5	1,1,2-Trichloroethane	0.32	U	5.0	0.32	ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Malcolm Pirnie, Inc.**	**Date Collected:**	**9/5/2008**
Project:	**DEC Gladding Cordage**	**Date Received:**	**9/6/2008**
Client Sample ID:	**RW-2**	**SDG No.:**	**Z4449**
Lab Sample ID:	**Z4449-02**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI021642.D	1	9/11/2008	VI091108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	1.8	U	25	1.8	ug/L
124-48-1	Dibromochloromethane	0.23	U	5.0	0.23	ug/L
106-93-4	1,2-Dibromoethane	0.26	U	5.0	0.26	ug/L
127-18-4	Tetrachloroethene	0.97	U	5.0	0.97	ug/L
108-90-7	Chlorobenzene	0.28	U	5.0	0.28	ug/L
100-41-4	Ethyl Benzene	0.05	U	5.0	0.05	ug/L
126777-61-2	m/p-Xylenes	0.47	U	10	0.47	ug/L
95-47-6	o-Xylene	0.16	U	5.0	0.16	ug/L
100-42-5	Styrene	0.19	U	5.0	0.19	ug/L
75-25-2	Bromoform	0.44	U	5.0	0.44	ug/L
98-82-8	Isopropylbenzene	0.37	U	5.0	0.37	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	5.0	0.37	ug/L
541-73-1	1,3-Dichlorobenzene	0.28	U	5.0	0.28	ug/L
106-46-7	1,4-Dichlorobenzene	0.22	U	5.0	0.22	ug/L
95-50-1	1,2-Dichlorobenzene	0.40	U	5.0	0.40	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.58	U	5.0	0.58	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.39	U	5.0	0.39	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.44	113 %	75 - 124		SPK: 50
1868-53-7	Dibromofluoromethane	52.18	104 %	84 - 122		SPK: 50
2037-26-5	Toluene-d8	48.17	96 %	83 - 117		SPK: 50
460-00-4	4-Bromofluorobenzene	45.92	92 %	74 - 123		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	296746	8.18			
540-36-3	1,4-Difluorobenzene	639825	8.76			
3114-55-4	Chlorobenzene-d5	571360	11.65			
3855-82-1	1,4-Dichlorobenzene-d4	219445	13.96			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Malcolm Pirnie, Inc.**	**Date Collected:**	**9/5/2008**
Project:	**DEC Gladding Cordage**	**Date Received:**	**9/6/2008**
Client Sample ID:	**EFF44HZ**	**SDG No.:**	**Z4449**
Lab Sample ID:	**Z4449-03**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI021643.D	1	9/11/2008	VI091108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.88	U	5.0	0.88	ug/L
74-87-3	Chloromethane	0.37	U	5.0	0.37	ug/L
75-01-4	Vinyl chloride	0.30	U	5.0	0.30	ug/L
74-83-9	Bromomethane	1.4	U	5.0	1.4	ug/L
75-00-3	Chloroethane	0.80	U	5.0	0.80	ug/L
75-69-4	Trichlorofluoromethane	0.53	U	5.0	0.53	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.61	U	5.0	0.61	ug/L
75-35-4	1,1-Dichloroethene	0.67	U	5.0	0.67	ug/L
67-64-1	Acetone	2.2	U	25	2.2	ug/L
75-15-0	Carbon disulfide	0.20	U	5.0	0.20	ug/L
1634-04-4	Methyl tert-butyl Ether	0.23	U	5.0	0.23	ug/L
79-20-9	Methyl Acetate	0.45	U	5.0	0.45	ug/L
75-09-2	Methylene Chloride	0.38	U	5.0	0.38	ug/L
156-60-5	trans-1,2-Dichloroethene	0.44	U	5.0	0.44	ug/L
75-34-3	1,1-Dichloroethane	0.67	U	5.0	0.67	ug/L
110-82-7	Cyclohexane	0.57	U	5.0	0.57	ug/L
78-93-3	2-Butanone	1.9	U	25	1.9	ug/L
56-23-5	Carbon Tetrachloride	0.27	U	5.0	0.27	ug/L
156-59-2	cis-1,2-Dichloroethene	0.72	U	5.0	0.72	ug/L
67-66-3	Chloroform	0.45	U	5.0	0.45	ug/L
71-55-6	1,1,1-Trichloroethane	0.39	U	5.0	0.39	ug/L
108-87-2	Methylcyclohexane	0.47	U	5.0	0.47	ug/L
71-43-2	Benzene	0.35	U	5.0	0.35	ug/L
107-06-2	1,2-Dichloroethane	0.41	U	5.0	0.41	ug/L
79-01-6	Trichloroethene	0.34	U	5.0	0.34	ug/L
78-87-5	1,2-Dichloropropane	0.46	U	5.0	0.46	ug/L
75-27-4	Bromodichloromethane	0.23	U	5.0	0.23	ug/L
108-10-1	4-Methyl-2-Pentanone	1.8	U	25	1.8	ug/L
108-88-3	Toluene	0.16	U	5.0	0.16	ug/L
10061-02-6	t-1,3-Dichloropropene	0.31	U	5.0	0.31	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.29	U	5.0	0.29	ug/L
79-00-5	1,1,2-Trichloroethane	0.32	U	5.0	0.32	ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Malcolm Pirnie, Inc.**	**Date Collected:**	**9/5/2008**
Project:	**DEC Gladding Cordage**	**Date Received:**	**9/6/2008**
Client Sample ID:	**EFF44HZ**	**SDG No.:**	**Z4449**
Lab Sample ID:	**Z4449-03**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI021643.D	1	9/11/2008	VI091108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	1.8	U	25	1.8	ug/L
124-48-1	Dibromochloromethane	0.23	U	5.0	0.23	ug/L
106-93-4	1,2-Dibromoethane	0.26	U	5.0	0.26	ug/L
127-18-4	Tetrachloroethene	0.97	U	5.0	0.97	ug/L
108-90-7	Chlorobenzene	0.28	U	5.0	0.28	ug/L
100-41-4	Ethyl Benzene	0.05	U	5.0	0.05	ug/L
126777-61-2	m/p-Xylenes	0.47	U	10	0.47	ug/L
95-47-6	o-Xylene	0.16	U	5.0	0.16	ug/L
100-42-5	Styrene	0.19	U	5.0	0.19	ug/L
75-25-2	Bromoform	0.44	U	5.0	0.44	ug/L
98-82-8	Isopropylbenzene	0.37	U	5.0	0.37	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	5.0	0.37	ug/L
541-73-1	1,3-Dichlorobenzene	0.28	U	5.0	0.28	ug/L
106-46-7	1,4-Dichlorobenzene	0.22	U	5.0	0.22	ug/L
95-50-1	1,2-Dichlorobenzene	0.40	U	5.0	0.40	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.58	U	5.0	0.58	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.39	U	5.0	0.39	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.81	118 %	75 - 124		SPK: 50
1868-53-7	Dibromofluoromethane	53.22	106 %	84 - 122		SPK: 50
2037-26-5	Toluene-d8	47.91	96 %	83 - 117		SPK: 50
460-00-4	4-Bromofluorobenzene	43.14	86 %	74 - 123		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	240267	8.18			
540-36-3	1,4-Difluorobenzene	543554	8.76			
3114-55-4	Chlorobenzene-d5	520469	11.65			
3855-82-1	1,4-Dichlorobenzene-d4	169344	13.95			

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Malcolm Pirnie, Inc.**	**Date Collected:**	**9/2/2008**
Project:	**DEC Gladding Cordage**	**Date Received:**	**9/6/2008**
Client Sample ID:	**TRIPBLANK**	**SDG No.:**	**Z4449**
Lab Sample ID:	**Z4449-04**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI021635.D	1	9/11/2008	VI091108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.88	U	5.0	0.88	ug/L
74-87-3	Chloromethane	0.37	U	5.0	0.37	ug/L
75-01-4	Vinyl chloride	0.30	U	5.0	0.30	ug/L
74-83-9	Bromomethane	1.4	U	5.0	1.4	ug/L
75-00-3	Chloroethane	0.80	U	5.0	0.80	ug/L
75-69-4	Trichlorofluoromethane	0.53	U	5.0	0.53	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.61	U	5.0	0.61	ug/L
75-35-4	1,1-Dichloroethene	0.67	U	5.0	0.67	ug/L
67-64-1	Acetone	2.2	U	25	2.2	ug/L
75-15-0	Carbon disulfide	0.20	U	5.0	0.20	ug/L
1634-04-4	Methyl tert-butyl Ether	0.23	U	5.0	0.23	ug/L
79-20-9	Methyl Acetate	0.45	U	5.0	0.45	ug/L
75-09-2	Methylene Chloride	0.38	U	5.0	0.38	ug/L
156-60-5	trans-1,2-Dichloroethene	0.44	U	5.0	0.44	ug/L
75-34-3	1,1-Dichloroethane	0.67	U	5.0	0.67	ug/L
110-82-7	Cyclohexane	0.57	U	5.0	0.57	ug/L
78-93-3	2-Butanone	1.9	U	25	1.9	ug/L
56-23-5	Carbon Tetrachloride	0.27	U	5.0	0.27	ug/L
156-59-2	cis-1,2-Dichloroethene	0.72	U	5.0	0.72	ug/L
67-66-3	Chloroform	0.45	U	5.0	0.45	ug/L
71-55-6	1,1,1-Trichloroethane	0.39	U	5.0	0.39	ug/L
108-87-2	Methylcyclohexane	0.47	U	5.0	0.47	ug/L
71-43-2	Benzene	0.35	U	5.0	0.35	ug/L
107-06-2	1,2-Dichloroethane	0.41	U	5.0	0.41	ug/L
79-01-6	Trichloroethene	0.34	U	5.0	0.34	ug/L
78-87-5	1,2-Dichloropropane	0.46	U	5.0	0.46	ug/L
75-27-4	Bromodichloromethane	0.23	U	5.0	0.23	ug/L
108-10-1	4-Methyl-2-Pentanone	1.8	U	25	1.8	ug/L
108-88-3	Toluene	0.16	U	5.0	0.16	ug/L
10061-02-6	t-1,3-Dichloropropene	0.31	U	5.0	0.31	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.29	U	5.0	0.29	ug/L
79-00-5	1,1,2-Trichloroethane	0.32	U	5.0	0.32	ug/L

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CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908-789-8900 Fax: 908-789-8922

Report of Analysis

Client:	**Malcolm Pirnie, Inc.**	**Date Collected:**	**9/2/2008**
Project:	**DEC Gladding Cordage**	**Date Received:**	**9/6/2008**
Client Sample ID:	**TRIPBLANK**	**SDG No.:**	**Z4449**
Lab Sample ID:	**Z4449-04**	**Matrix:**	**WATER**
Analytical Method:	**8260**	**% Moisture:**	**100**
Sample Wt/Wol:	**5.0 Units: mL**	**Soil Extract Vol:**	**uL**
Soil Aliquot Vol:	**uL**		

File ID:	Dilution:	Date Analyzed	Analytical Batch ID
VI021635.D	1	9/11/2008	VI091108

CAS Number	Parameter	Conc.	Qualifier	RL	MDL	Units
591-78-6	2-Hexanone	1.8	U	25	1.8	ug/L
124-48-1	Dibromochloromethane	0.23	U	5.0	0.23	ug/L
106-93-4	1,2-Dibromoethane	0.26	U	5.0	0.26	ug/L
127-18-4	Tetrachloroethene	0.97	U	5.0	0.97	ug/L
108-90-7	Chlorobenzene	0.28	U	5.0	0.28	ug/L
100-41-4	Ethyl Benzene	0.05	U	5.0	0.05	ug/L
126777-61-2	m/p-Xylenes	0.47	U	10	0.47	ug/L
95-47-6	o-Xylene	0.16	U	5.0	0.16	ug/L
100-42-5	Styrene	0.19	U	5.0	0.19	ug/L
75-25-2	Bromoform	0.44	U	5.0	0.44	ug/L
98-82-8	Isopropylbenzene	0.37	U	5.0	0.37	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	5.0	0.37	ug/L
541-73-1	1,3-Dichlorobenzene	0.28	U	5.0	0.28	ug/L
106-46-7	1,4-Dichlorobenzene	0.22	U	5.0	0.22	ug/L
95-50-1	1,2-Dichlorobenzene	0.40	U	5.0	0.40	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.58	U	5.0	0.58	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.39	U	5.0	0.39	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.83	104 %	75 - 124		SPK: 50
1868-53-7	Dibromofluoromethane	50.58	101 %	84 - 122		SPK: 50
2037-26-5	Toluene-d8	48.15	96 %	83 - 117		SPK: 50
460-00-4	4-Bromofluorobenzene	47.2	94 %	74 - 123		SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	282307	8.18			
540-36-3	1,4-Difluorobenzene	573144	8.76			
3114-55-4	Chlorobenzene-d5	533287	11.65			
3855-82-1	1,4-Dichlorobenzene-d4	199962	13.95			

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Chemtech

Summary Sheet
SW-846

SDG No.: **Z4449** **Order ID:** **Z4449**

Client: **Malcolm Pirnie, Inc.** **Project ID:** **MALC02**

Sample ID	Client ID	Matrix	Parameter	Concentration	C	RDL	MDL	Units
Client ID:	**RW-1**							
Z4449-01	RW-1	WATER	1,1,1-Trichloroethane	75		5.0	0.39	ug/L
			Total VOC's:	**75.00**				
			Total TIC's:	**0.00**				
			Total VOC's and TIC's:	**75.00**				
Client ID:	**RW-2**							
Z4449-02	RW-2	WATER	1,1,1-Trichloroethane	58		5.0	0.39	ug/L
			Total VOC's:	**58.00**				
			Total TIC's:	**0.00**				
			Total VOC's and TIC's:	**58.00**				

Note: The asterisk "*" flag next to a parameter signifies a TIC parameter.