New York State Department of Environmental Conservation

Department of Environmental Remediation • 625 Broadway • Albany, NY 12233

Columbia Mills Site 2010 Annual Groundwater Monitoring Report

NYSDEC Site Number 7-38-012

July 2010

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 (# D004443-7) to Malcolm Pirnie, Inc. (Malcolm Pirnie) for Operation, Maintenance, and Monitoring at the Columbia Mills Site (NYSDEC Site Number 7-38-012) in New York State. Malcolm Pirnie has prepared this Quarterly Report in accordance with the NYSDEC-approved Work Plan to summarize site activities, including first quarter 2010 groundwater sampling results.

2. Site Description

The Columbia Mills site is located on Route 48, Minetto, Oswego County, New York (Figure 2-1), across Route 48 from the western bank of the Oswego Canal. A capped, closed landfill is located in the western portion of the site. The landfill is surrounded by a six-foot chain-link fence and is monitored by eight groundwater monitoring wells.

3. Operation and Maintenance

Operation and Maintenance (O&M) activities were conducted between March 24 and 25, 2010 in accordance with the Work Plan, the recommendations in the draft 2009 Periodic Review Report (Malcolm Pirnie, 2009), and in consultation with NYSDEC.

3.1. O&M Observations

The following observations were noted during the March 2010 inspection:

- No woody vegetation was observed on the cover system.
- No problems were noted with the condition of the perimeter fence or with the security of the landfill.

3.2. O&M Repairs

Based on the 2009 Annual Groundwater Monitoring Report (Malcolm Pirnie, 2009), a cleanout riser pipe for the leachate collection system was damaged. The PVC riser was replaced on March 25, 2010 by removing the damaged section of riser and attaching a new section of PVC pipe with a PVC coupler.

3.3. Leachate Collection System Operation Overview

A schematic of the leachate collection system is provided in Figure 3-1. Figure 3-2 provides a process flow diagram of the leachate collection system based on the 2008 and 2009 site visits and observations and review of site documents and construction plans. As shown in Figure 3-2, a combination pore-pressure relief system (PPRS)/leachate collection system is located along the perimeter of the landfill cell. The system directs leachate by gravity to a 10,000 gallon sub-surface leachate collection tank, the Town sanitary sewer, or the amphibian breeding pond (ABP) (via the combination sampling sump). A valve located at the inlet to the collection tank controls flow into the tank. Valves located upgradient of the leachate collection tank can direct flow to the Town sewer or ABP.

As shown in Figure 3-1 and 3-2, groundwater from separate PPRSs (north and south of the landfill cell, respectively) discharges into a pre-cast concrete combination sampling sump located on the west side of the landfill. Valves within the sampling sump control groundwater flow into the sump and through the PPRSs. The valves can be closed if sampling indicates the presence of contamination in groundwater from the PPRS collection lines.

3.4. Leachate Collection System Sampling

Based on the recommendations in the draft PRR and in consultation with NYSDEC, leachate collection system samples were collected from the north and south PPRS and leachate inlet pipes in the combination sampling sump (Figure 3-1) to evaluate the potential presence of volatile organic compounds (VOCs), metals, and poly-chlorinated biphenyl (PCBs) discharged to the ABP. One sample was also collected from the leachate collection tank (Figure 3-2) for waste disposal characterization.

3.4.1. Sampling Procedures

Leachate collection system samples were collected from each inlet pipe to the combination sampling sump structure (leachate, north PPRS, and south PPRS) (Figure 3-1) using a swing-type dipper sampling device. Water collected from each pipe was transferred from the dipper sampler collection container directly into the appropriate sampling container. A sample was also collected from the leachate collection tank (Figure 3-2) using a peristaltic pump with dedicated polyethylene tubing. The tubing was lowered to the bottom of the collection tank and the sample was pumped directly into the respective sampling containers.

Samples from the combination sampling sump and leachate collection tank were submitted to Test America in Shelton, Connecticut for analysis of VOCs, metals, and PCBs by USEPA Method 8260B, ILM05.3, and 8082, respectively.

3.4.2. Sampling Results

Leachate collection system sampling results are summarized in Table 3-1 (VOCs) Table 3-2 (metals), and Table 3-3 (PCBs). Analytical reporting forms are provided in Appendix A.

VOCs

As shown in Table 3-1, VOCs were not detected in any of the leachate collection system samples at concentrations greater that the indicated quantitaion limits.

Metals

As shown in Table 3-2, the sodium concentration in the sample from the leachate collection tank (Tank) was 32,700 micrograms per liter (ug/l) which is greater than the corresponding NYSDEC Class GA Standard of 20,000 ug/l. Table 3-1 shows that this result is greater than the 2008 sample result (26,300 ug/l) and is the only metal exceeding the applicable NYSDEC Class GA or AA Standards.

PCBs

As shown in Table 3-3, none of the samples collected from the leachate collection system contained PCBs at concentrations greater than the indicated quantitation limits. One sample (MW-X) was collected from the north PPRS and submitted as a field duplicate. As shown in Table 3-3, no PCBs were detected in any of these samples.

4. Groundwater Monitoring Program

4.1. Groundwater Monitoring

Groundwater monitoring wells were sampled on March 24 and 25, 2010 to provide information on groundwater quality, monitor contaminant migration in the groundwater at the site, and assess hydrogeologic site conditions, including groundwater flow. Figure 4-1 shows the locations of the groundwater monitoring wells.

4.1.1. Well Inspection

Existing on-site groundwater monitoring wells and piezometers were evaluated for integrity and suitability for groundwater monitoring and water levels. The condition of each well and piezometer was recorded in the field note book. Landfill piezometers LFP-2 and LFP-7 had damaged riser pipes and need to be repaired. This condition was previous indicated in the 2009 Annual Groundwater Monitoring Report. A driller may be required to repair the piezometers as they penetrate the engineered landfill cap system. The integrity of the remaining groundwater monitoring wells and piezometers were acceptable and no repair or maintenance is required at this time.

4.1.2. Water Level Survey

Prior to collecting samples, water levels were measured to the nearest hundredth of a foot and recorded on a groundwater level data form (Appendix B). Table 4-1 summarizes the groundwater levels and elevations from the site. As shown in Table 4-1, groundwater elevations in shallow overburden and bedrock wells ranged from approximately 313 feet above mean sea level (amsl) to approximately 327 feet amsl; groundwater elevations in deep bedrock wells ranged from approximately 295-feet amsl to approximately 324 feet amsl. As shown in Table 4-1, the averages of the 2010 shallow and deep groundwater elevations are approximately two feet higher than the elevations measured in 2009. Shallow and deep potentiometric surfaces map are provided on Figure 4-2 and Figure 4-3, respectfully. As shown on Figure 4-2 and Figure 4-3, the direction of groundwater flow in the vicinity of the site is generally to the northeast toward the ABP and the Oswego Canal.

4.2. Groundwater Sampling

Groundwater samples from monitoring wells MW-1S, MW-1D, MW-2S, MW-2D, MW-3S, MW-3D, MW-4S, and MW-4D were collected using low-flow groundwater purging and sampling procedures in accordance with the Work Plan. Prior to collecting groundwater samples, pH, conductivity, turbidity, dissolved oxygen (DO), temperature, salinity, total dissolved solids (TDS), and oxidation-reduction potential (REDOX) were

measured using a Horiba U-22 water quality meter and recorded on groundwater sampling purge logs. Groundwater sampling purge logs are presented in Appendix C.

Groundwater samples were submitted to Test America for analysis of PCBs by USEPA Method 8082.

The groundwater sample container from MW-2S broke in transit from the shipping location to the laboratory; therefore no analytical data are available from this well for the 2010 sampling event.

4.2.1. Groundwater Sampling Results - PCBs

Table 4-2 shows that no PCBs were detected in any of the samples collected during the 2010 sampling event. As shown in Table 4-2, only one groundwater sample (MW-3S) collected in 2007 contained a total PCB concentration greater than the respective NYSDEC Class GA Standard of 0.09 ug/L.

Although no groundwater data is available for MW-2S for 2010, Table 4-2 shows that no PCBs have been detected in this well since 2007. In addition, based on the direction of groundwater flow, this well is hydraulically up-gradient of the landfill and the potential for the landfill to impact groundwater quality at this location is expected to be minimal.

5. Recommendations

5.1. Leachate Collection System

Annual O&M should continue to be conducted as described in the Work Plan and as recommended in the draft PRR. Based on the leachate collection system evaluation and observations from 2009 O&M event, and the results of the March 2010 O&M event, the following action should be considered to confirm the operation of the leachate collection system:

- In 2009, a significant difference in head was observed in the collection tank manway compared to the collection tank inlet and the inlet control valve operation could not be verified. Therefore, it is recommended that the operation and function of the valve be confirmed.

The following measures should be considered to confirm the integrity of the leachate collection system and maintain the appropriate level of protection for human health and the environment:

- Evacuate and properly dispose the contents of the leachate collection tank to provide storage for leachate should future sampling indicate that discharging to the ABP or Town sewer is unacceptable. Based on the results of the samples collected from the leachate collection tank on March 25, 2010, no VOCs or PCBs were detected in the tank samples and sodium was the only metal that exceeded a NYSDEC Class GA Standard.
- In 2009, a leak was observed in the leachate inlet pipe within the manway opening. Therefore, it is recommended that the inlet pipe be inspected, tested, and repaired.

5.2. Groundwater Monitoring

The riser pipes for landfill piezometers LFP-2 and LFP-7 should be repaired and the piezometers re-developed to remove sediment that may have accumulated. Since similar damage has been reported during previous monitoring events, the installation of steel protective casings (i.e. Pro Casings) may help to reduce the potential for damage to the piezometers caused by mowing.

Annual analysis for PCBs in groundwater should be continued as described in the Work Plan and as recommended in the draft PRR.

6. Summary

Operation and Maintenance activities conducted in March 2010 indicated no significant problems with the condition or security of the landfill.

Leachate, PPRS and leachate collection tank samples did not contain detectable concentrations of VOCs or PCBs. With the exception of sodium in the leachate collection tank sample, none of the leachate collection system samples contained concentrations of metals greater than the applicable NYSDEC Class GA Standards.

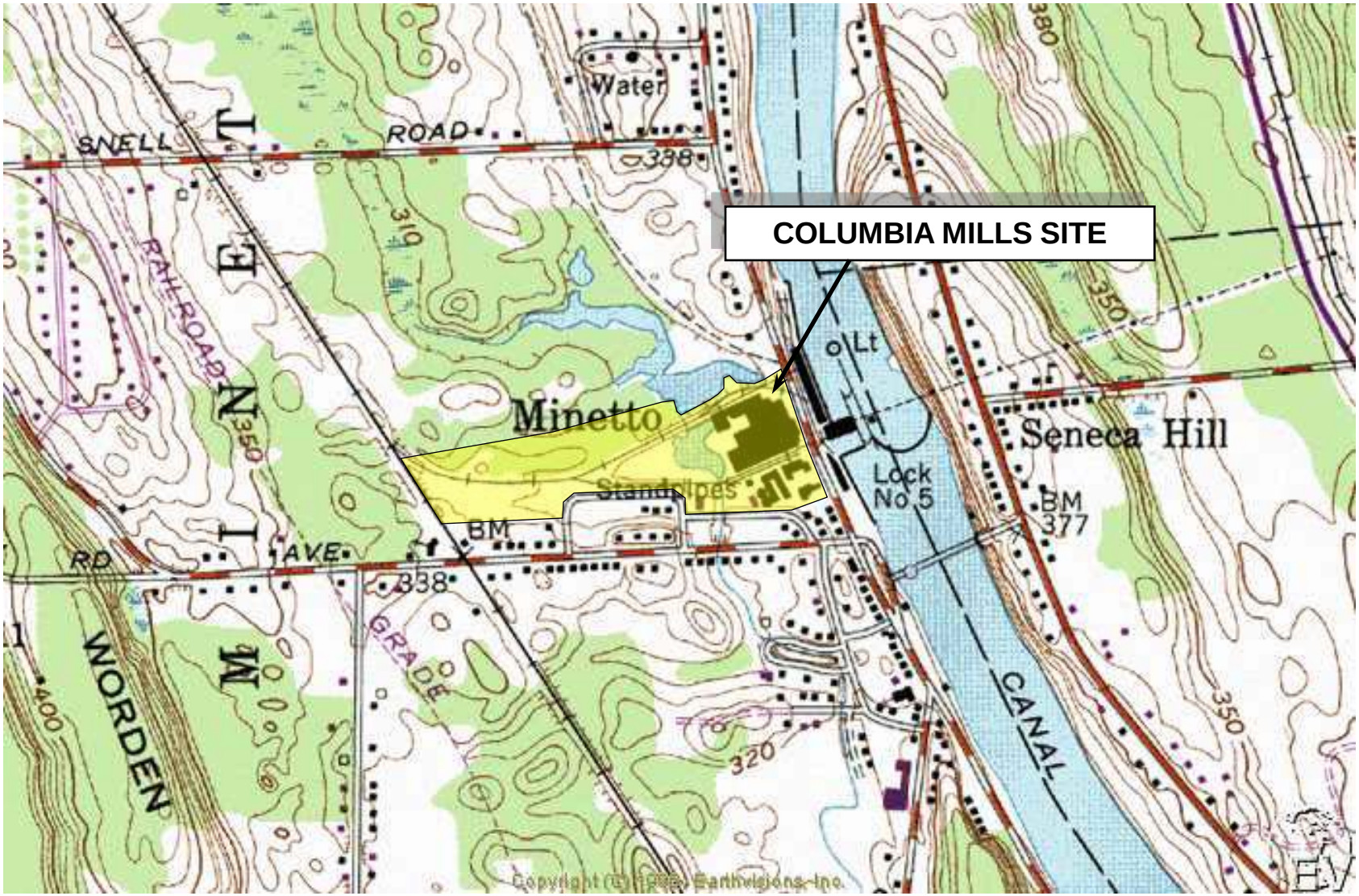
Two landfill piezometers have damaged riser pipes and need to be repaired and re-developed. The remainder of groundwater monitoring wells and piezometers are generally in acceptable condition. Based on the water level survey, groundwater flow across the site is generally toward the northeast. Based on the results of the 2009 groundwater sampling event and in accordance with the Work Plan, groundwater samples were analyzed for PCBs only. PCBs were not detected in any of the groundwater samples collected during the 2010 monitoring event. No groundwater sample was analyzed from MW-2S due to a broken sample container. Historical results from this well indicate that PCBs have not impacted groundwater quality in this area.

Future recommendations for the site include verifying the proper operation of the collection tank inlet valve, evacuation and disposal of leachate in the collection tank, and inspection and repair of the collection tank inlet line.

7. References

Malcolm Pirnie, 2009, Draft Periodic Review Report, Columbia Mills Site, Site Number 7-38-012.

Malcolm Pirnie, 2009, Columbia Mills Site, 2009 Annual Groundwater Monitoring Report, Site Number 7-38-012.



SCALE IN FEET

0 1,000 2,000 2,000

SOURCE: U.S.G.S 7.5 MIN. OSWEGO EAST QUAD, 1985

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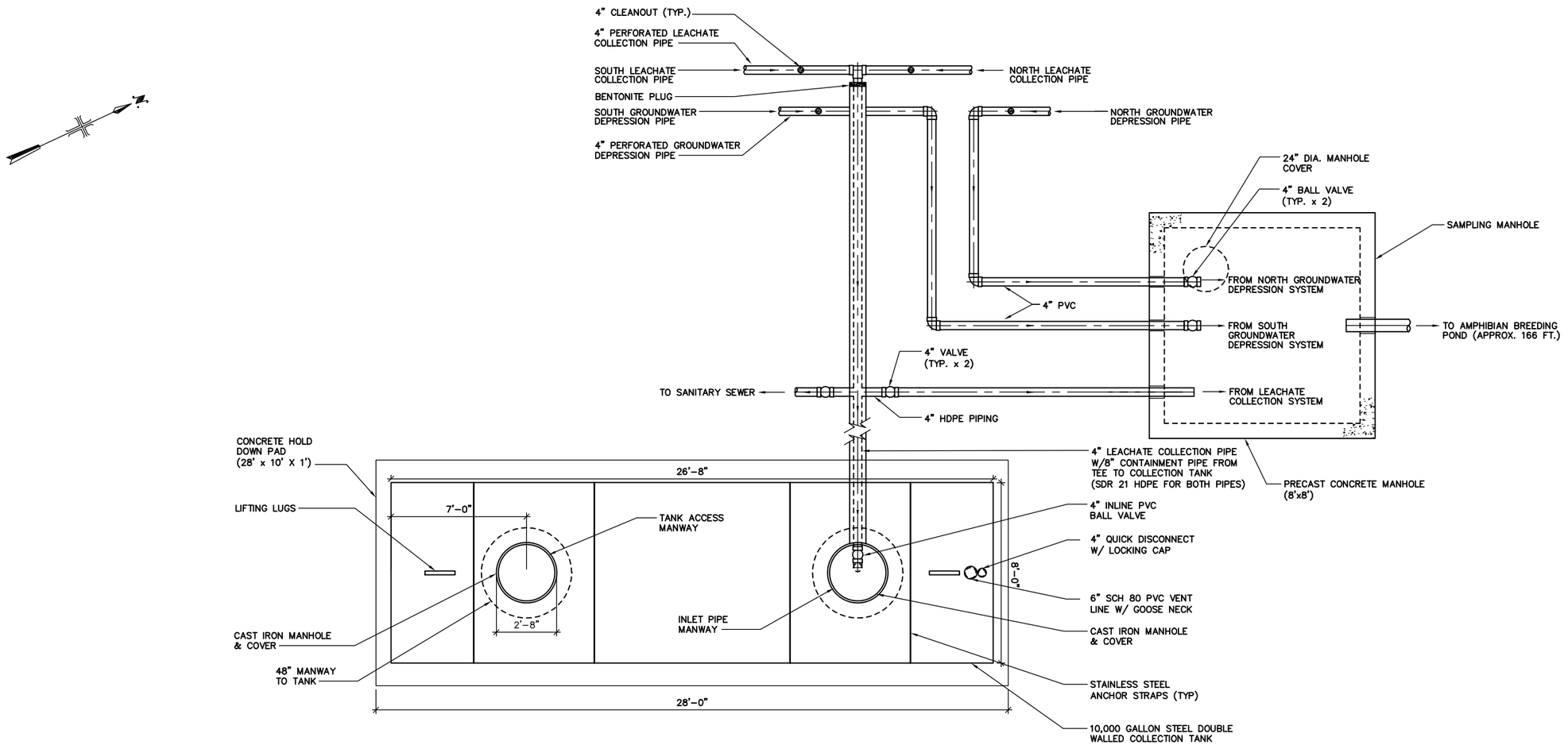
NYSDEC STANDBY CONTRACT NO. D004443-7
NYSDEC SITE NO. 7-38-012
MINETTO, NEW YORK

COLUMBIA MILLS SITE LOCATION

FIGURE 2-1

F:\PROJECT\0266352\FILE\Work Plan\Figure 1-1 Vestal Site Location.ppt



LEACHATE COLLECTION TANK PIPING PLAN VIEW

SCALE: 3/16" = 1'-0"

SOURCE: MALCOLM PIRNIE REMEDIAL LANDFILL DESIGN DRAWINGS (MARCH 1995) AND 2009 MALCOM PIRNIE DYE TESTING AT THE SITE.

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NYSDEC STANDBY CONTRACT NO. D00443-7
NYSDEC SITE NO. 7-38-012
COLUMBIA MILLS SITE
MINETTO, NEW YORK

LEACHATE COLLECTION SYSTEM SCHEMATIC

SCALE AS SHOWN

MALCOLM PIRNIE, INC.
AUGUST 2009
FIGURE 3-1

N

DISCHARGE STRUCTURE

AMPHIBIAN BREEDING POND

COMBINED PPRS/LEACHATE SAMPLING SUMP

NORTH PORE PRESSURE RELEIF SYSTEM

PPRS FLOW CONTROLED BY SEPARATE VALVES

LANDFILL CELL

LEACHATE COLLECTION TANK

Barratt Dr

SOUTH PORE PRESSURE RELEIF SYSTEM

LEACHATE FLOW DIRECTED TO COLLECTON TANK, SAMPLING SUMP, OR SANITARY SEWER DEPENDING ON VALVE CONFIGURATION

TOWN OF MINETTO SANITARY SEWER

Chase Dr

Unnamed Street

County Route 24

LEGEND

- PROPERTY LINE
- PORE PRESSURE RELEIF SYSTEM NETWORK
- LEACHATE COLLECTION NETWORK
- COMBINED PPRS/LEACHATE
- FLOW DIRECTION
- FLOW CONTROL VALVE

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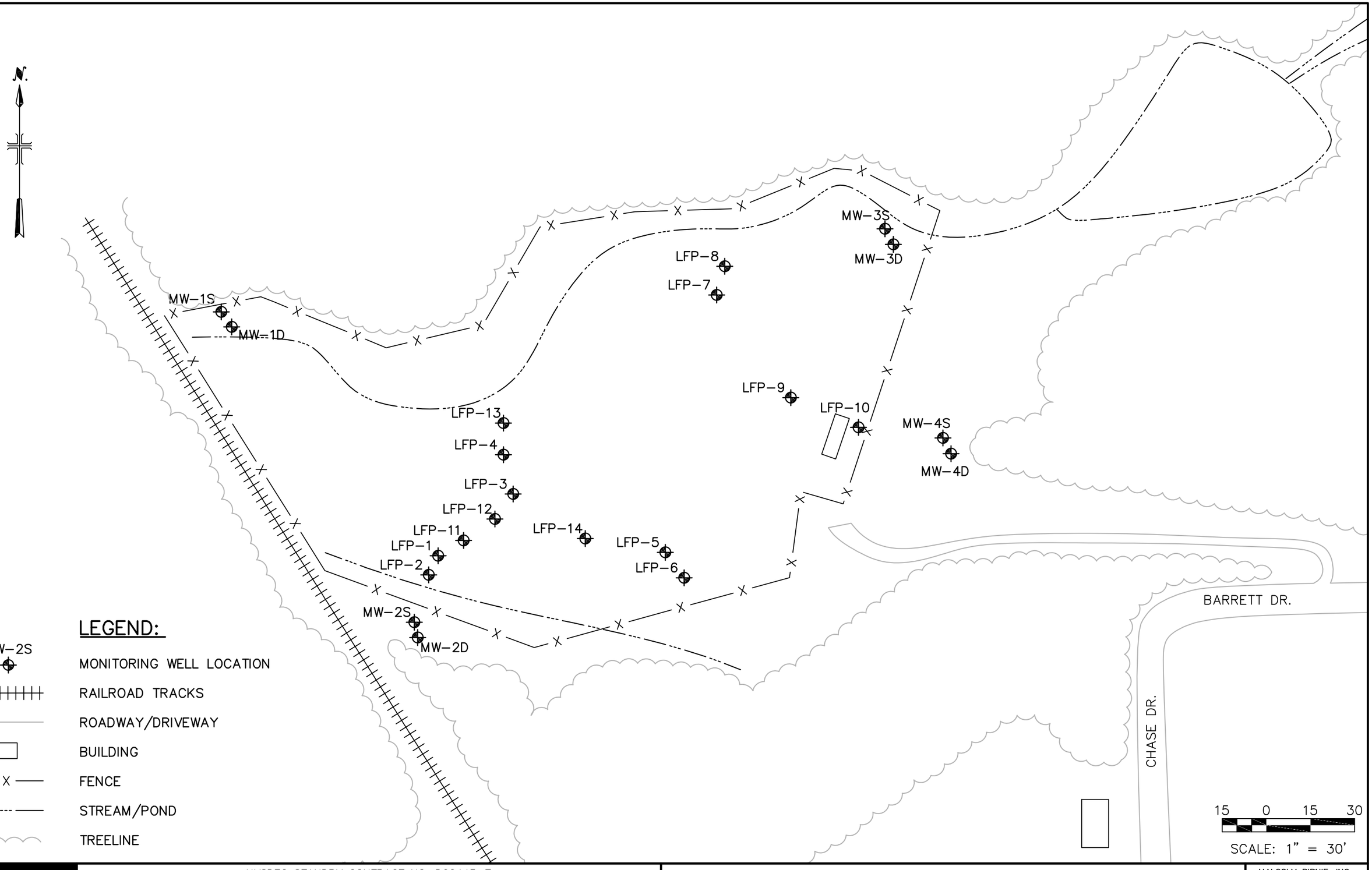
COLUMBIA MILLS SITE
MINETTO, NEW YORK
NYSDEC SITE NUMBER 7-38-012

PROCESS FLOW DIAGRAM
(NOT TO SCALE)

JANUARY 2009

FIGURE 3-2



LEGEND:

- MW-2S — MONITORING WELL LOCATION
- RAILROAD TRACKS
- ROADWAY/DRIVEWAY
- BUILDING
- FENCE
- STREAM/POND
- TREELINE

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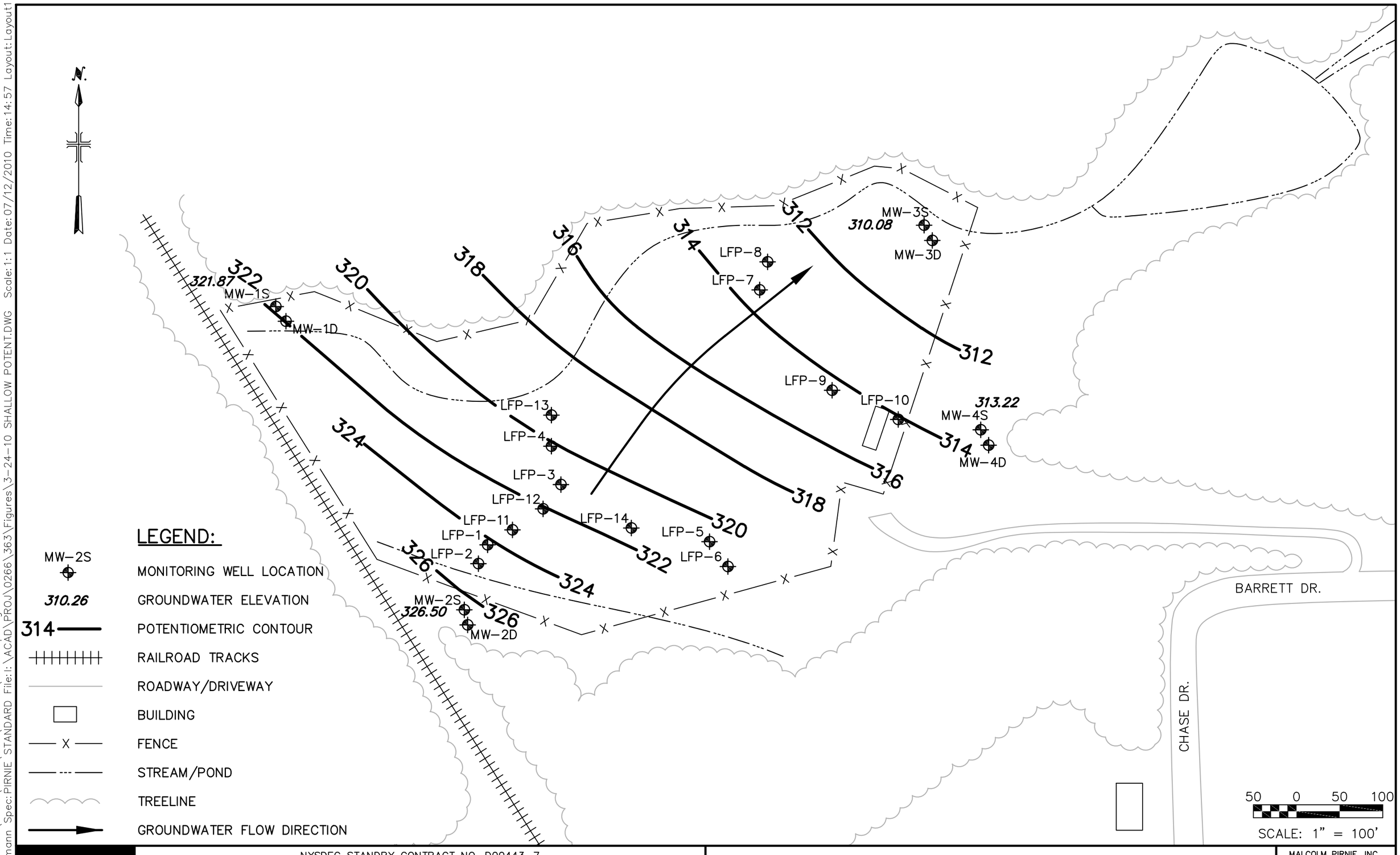
NYSDEC STANDBY CONTRACT NO. D00443-7
NYSDEC SITE NO. 7-38-012
COLUMBIA MILLS SITE
MINETTO, NEW YORK

GROUNDWATER MONITORING WELL LOCATIONS

SCALE: 1" = 40'

MALCOLM PIRNIE, INC.
NOVEMBER 2009
FIGURE 4-1



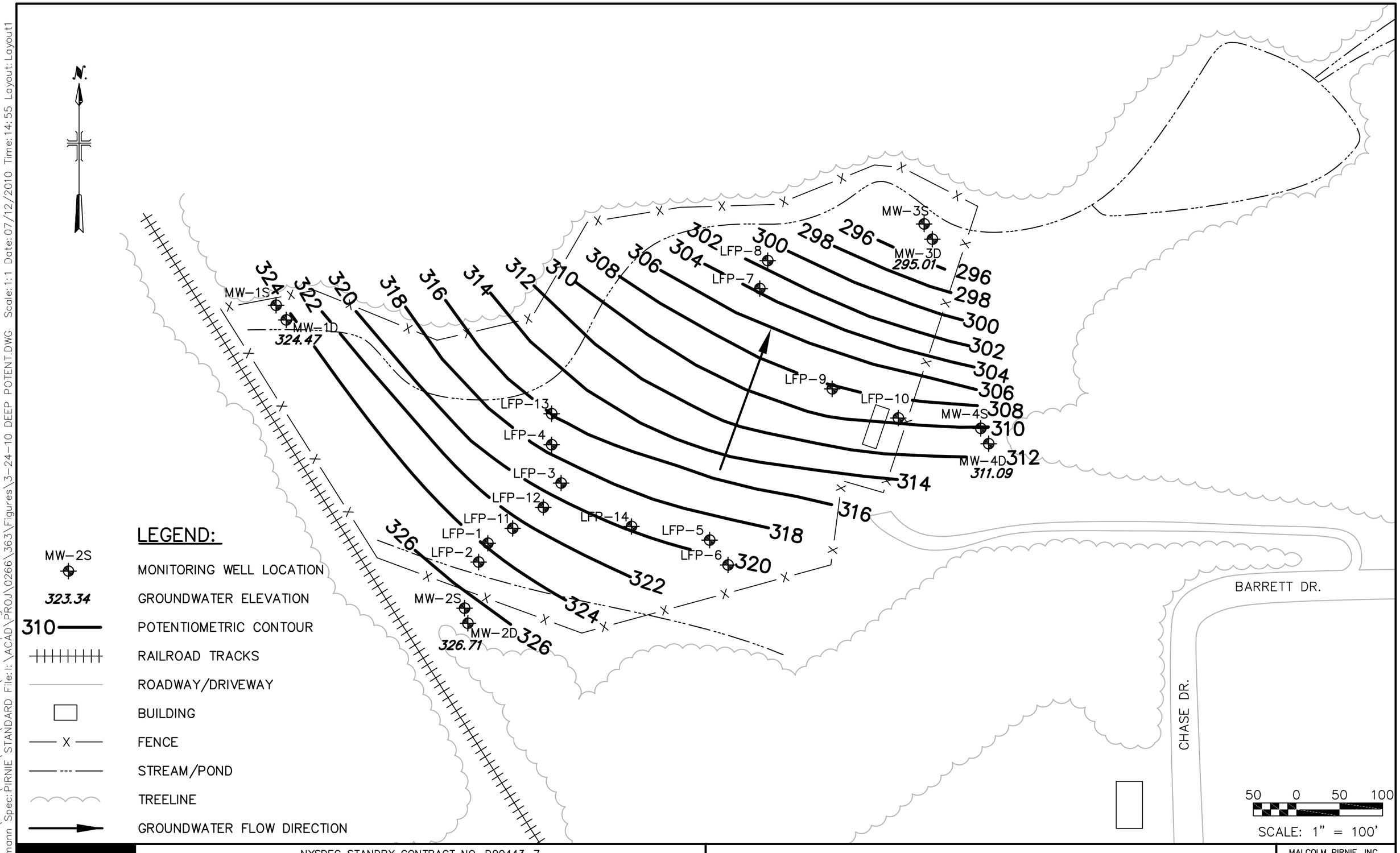
MALCOLM PIRNIE

NYSDEC STANDBY CONTRACT NO. D00443-7
NYSDEC SITE NO. 7-38-012
COLUMBIA MILLS SITE
MINETTO, NEW YORK

SHALLOW POTENTIOMETRIC SURFACE – 3/24/10

SCALE: 1"=100'

MALCOLM PIRNIE, INC.
JULY 2010
FIGURE 4-2



MALCOLM PIRNIE

NYSDEC STANDBY CONTRACT NO. D00443-7
NYSDEC SITE NO. 7-38-012
COLUMBIA MILLS SITE
MINETTO, NEW YORK

DEEP POTENTIOMETRIC SURFACE – 3/24/10

SCALE: 1"=100'

MALCOLM PIRNIE, INC.
JULY 2009
FIGURE 4-3

Table 3-1
Summary of Leachate Collection System Sampling Results - VOCs
Columbia Mills
Minetto, New York
NYSDEC Site No. 7-38-012

Sample Date Units	NYSDEC Class GA Standards	Leachate 3/25/2010 ug/L	North PPRS 3/25/2010 ug/L	South PPRS 3/25/2010 ug/L	Tank 10/2/2008 ug/L
Analyte					
1,1,1-Trichloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	5	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	5	0.5 U	0.5 U	0.5 U	0.5 U
2-Hexanone		2.0 U	2.0 U	2.0 U	2.0 U
Acetone	50	2.0 U	2.0 U	2.0 U	2.7
Benzene	1	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	5	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	5	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide		0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	5	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane		1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	7	0.5 U	0.5 U	0.5 U	0.5 U
Chloromethane		0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	50	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	5	0.5 U	0.5 U	0.5 U	0.5 U
Methyl Ethyl Ketone	50	2.0 U	2.0 U	2.0 U	2.0 U
Methyl isobutyl ketone		2.0 U	2.0 U	2.0 U	2.0 U
Methylene Chloride	5	2.00 U	0.13 J B	2.0 U	0.17 J B
Styrene	5	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	5	0.5 U	0.5 U	0.5 U	0.1 J B
Toluene	5	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	5	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	2	0.5 U	0.5 U	0.5 U	0.5 U
Xylenes, Total	5	1.0 U	1.0 U	1.0 U	1.5 U

Notes:
U - Analyte not detected
J - Estimated value
B - Analyte detected in blank and the sample
* - Laboratory Control Spike exceeds control limits

Table 3-1
Summary of Leachate Collection System Sampling Results - VOCs
Columbia Mills
Minetto, New York
NYSDEC Site No. 7-38-012

Sample Date Units	NYSDEC Class GA Standards	Tank 3/25/2010 ug/L	Trip Blank 3/25/2010 ug/L
Analyte			
1,1,1-Trichloroethane	5	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	5	0.5 U	0.5 U
1,1,2-Trichloroethane	1	0.5 U	0.5 U
1,1-Dichloroethane	5	0.5 U	0.5 U
1,1-Dichloroethene	5	0.5 U	0.5 U
1,2-Dichloroethane	5	0.5 U	0.5 U
1,2-Dichloropropane	5	0.5 U	0.5 U
2-Hexanone		2.0 U	2.0 U
Acetone	50	2.0 U	2.0 U
Benzene	1	0.5 U	0.5 U
Bromodichloromethane	5	0.5 U	0.5 U
Bromoform	50	0.5 U	0.5 U
Bromomethane	5	1.0 U	1.0 U
Carbon disulfide		0.5 U	0.5 U
Carbon tetrachloride	5	0.5 U	0.5 U
Chlorobenzene	5	0.5 U	0.5 U
Chloroethane		1.0 U	1.0 U
Chloroform	7	0.5 U	0.5 U
Chloromethane		0.5 U	0.5 U
cis-1,2-Dichloroethene	5	0.5 U	0.5 U
cis-1,3-Dichloropropene	0	0.5 U	0.5 U
Dibromochloromethane	50	0.5 U	0.5 U
Ethylbenzene	5	0.5 U	0.5 U
Methyl Ethyl Ketone	50	2.0 U	2.0 U
Methyl isobutyl ketone		2.0 U	2.0 U
Methylene Chloride	5	0.12 J B	0.94 J B
Styrene	5	0.5 U	0.5 U
Tetrachloroethene	5	0.5 U	0.5 U
Toluene	5	0.5 U	0.5 U
trans-1,2-Dichloroethene	5	0.5 U	0.5 U
trans-1,3-Dichloropropene	0	0.5 U	0.5 U
Trichloroethene	5	0.5 U	0.5 U
Vinyl chloride	2	0.5 U	0.5 U
Xylenes, Total	5	1.0 U	1.0 U

Notes:
U - Analyte not detected
J - Estimated value
B - Analyte detected in blank and the sample
* - Laboratory Control Spike exceeds control limits

Table 3-2
Summary of Leachate Collection System Sampling Results - Metals
Columbia Mills
Minetto, New York
NYSDEC Site No. 7-38-012

Sample Date Units	NYSDEC Class GA Standards	NYSDEC Class AA Standards	Leachate 3/25/2010 ug/L	North PPRS 3/25/2010 ug/L	South PPRS 3/25/2010 ug/L
Total Metals					
Aluminum		100	200 U	200 U	200 U
Antimony	3	3	60.0 U	60.0 U	60.0 U
Arsenic	25	50	10.0 U	10.0 U	10.0 U
Barium	1,000	1,000	117	105	110
Beryllium	3	3	5.0 U	5.0 U	5.0 U
Cadmium	5	5	5.0 U	5.0 U	5.0 U
Calcium			53300	70300	74500
Chromium	50	50	10.0 U	10.0 U	10.0 U
Cobalt		5	50.0 U	50.0 U	0.6
Copper	200	200	25.0 U	25.0 U	25.0 U
Iron	300	300	100 U	100 U	100 U
Lead	25	50	10.0 U	10.0 U	10.0 U
Magnesium	35,000*	35,000	8570	11600	11000
Manganese	300	300	14.4	57.2	6.9
Mercury	0.7	0.7	0.2 U	0.2 U	0.2 U
Nickel	100	100	40.0 U	40.0 U	40.0 U
Potassium			1540	1980	1170
Selenium	10	10	35.0 U	35.0 U	35.0 U
Silver	50	50	10.0 U	10.0 U	10.0 U
Sodium	20,000		6910	12800	3270
Thallium	0.5*	0.5*	25.0 U	25.0 U	25.0 U
Vanadium		14	2.7	1.7	50.0 U
Zinc	2,000*	2,000*	8.0	60.0 U	60.0 U

Notes:

- Concentration exceeds corresponding NYSDEC Standard

U - Analyte not detected

* - NYSDEC Class GA Guidance Value

D - Sample was Dissolved

B - Detected in Sample and Method Blank

Table 3-2
Summary of Leachate Collection System Sampling Results - Metals
Columbia Mills
Minetto, New York
NYSDEC Site No. 7-38-012

Sample Date Units	NYSDEC Class GA Standards	NYSDEC Class AA Standards	Tank 10/2/2008 ug/L	Tank 3/25/2010 ug/L
Total Metals				
Aluminum		100	200 U	200 U
Antimony	3	3	60.0 U	60.0 U
Arsenic	25	50	10.0 U	10.0 U
Barium	1,000	1,000	64.4 J	92.7
Beryllium	3	3	5.0 U	5.0 U
Cadmium	5	5	5.0 U	5.0 U
Calcium			25300	34500
Chromium	50	50	0.60 J	10.0 U
Cobalt		5	50.0 U	50.0 U
Copper	200	200	25.0 U	25.0 U
Iron	300	300	98.1 J	100 U
Lead	25	50	2.0 J	10.0 U
Magnesium	35,000*	35,000	4740 J	6830
Manganese	300	300	4.6 J	0.5
Mercury	0.7	0.7	0.20 U	0.2 U
Nickel	100	100	40.0 U	40.0 U
Potassium			4340 J	5560
Selenium	10	10	35.0 U	35.0 U
Silver	50	50	10.0 U	10.0 U
Sodium	20,000		**26300**	**37200**
Thallium	0.5*	0.5*	25.0 U	25.0 U
Vanadium		14	50.0 U	50.0 U
Zinc	2,000*	2,000*	3.9 J	2.0

Notes:

- Concentration exceeds corresponding NYSDEC Standard

U - Analyte not detected

* - NYSDEC Class GA Guidance Value

D - Sample was Dissolved

B - Detected in Sample and Method Blank

Table 3-3
Summary of Leachate Collection System Sampling Results - PCBs
Columbia Mills
Minetto, New York
NYSDEC Site No. 7-38-012

Sample Date Units	NYSDEC Class AA/GA Standard	Leachate 6/19/2009 ug/L	Leachate 3/25/2010 ug/L	North PPRS 6/19/2009 ug/L	North PPRS 3/25/2010 ug/L	MW-X 3/25/2010 ug/L	South PPRS 6/19/2009 ug/L	South PPRS 3/25/2010 ug/L	Tank 10/2/2008 ug/L	Tank 3/25/2010 ug/L
Analyte										
PCB-1016	-	0.53 U	0.53 U	0.5 U	0.5 U	0.54 U	0.5 U	0.5 U	0.53 U	0.53 U
PCB-1221	-	0.53 U	0.53 U	0.5 U	0.5 U	0.54 U	0.5 U	0.5 U	1.1 U	0.53 U
PCB-1232	-	0.53 U	0.53 U	0.5 U	0.5 U	0.54 U	0.5 U	0.5 U	0.53 U	0.53 U
PCB-1242	-	0.53 U	0.53 U	0.5 U	0.5 U	0.54 U	0.5 U	0.5 U	0.53 U	0.53 U
PCB-1248	-	0.53 U	0.53 U	0.5 U	0.5 U	0.54 U	0.5 U	0.5 U	0.53 U	0.53 U
PCB-1254	-	0.53 U	0.53 U	0.5 U	0.5 U	0.54 U	0.5 U	0.5 U	0.53 U	0.53 U
PCB-1260	-	0.53 U	0.53 U	0.5 U	0.5 U	0.54 U	0.5 U	0.5 U	0.53 U	0.53 U
Total PCBs	0.09	-	-	-	-	-	-	-	-	-

Notes:
U - Analyte not detected
MW-X is a duplicate of North PPRS

Table 4-1
Summary of Groundwater Elevations
Columbia Mills
Minetto, New York
NYSDEC Site No. 7-38-012

Well	Measuring Point Elevation [(1)] (feet)	8/6/2007		10/1/2008	
		DTW (feet)	Elevation (feet)	DTW (feet)	Elevation (feet)
MW-1S	324.85	6.94	317.91	4.91	319.94
MW-1D	325.14	3.70	321.44	1.96	323.18
MW-2S	335.93	13.90	322.03	13.22	322.71
MW-2D	335.90	13.95	321.95	13.39	322.51
MW-3S	316.02	6.42	309.60	5.71	310.31
MW-3D	315.79	8.23	307.56	16.52	299.27
MW-4S	321.63	12.20	309.43	12.21	309.42
MW-4D	321.26	11.44	309.82	11.29	309.97
LFP-1	NA	19.15	-	18.74	-
LFP-2	NA	16.40	-	16.45	-
LFP-3	NA	14.75	-	14.20	-
LFP-4	NA	13.57	-	13.40	-
LFP-5	NA	17.30	-	17.32	-
LFP-6	NA	14.50	-	14.19	-
LFP-7	NA	NM	-	Dry	-
LFP-8	NA	13.92	-	13.54	-
LFP-9	NA	18.20	-	18.00	-
LFP-10	NA	15.18	-	14.90	-
LFP-11	NA	23.77	-	23.18	-
LFP-12	NA	NM	-	Dry	-
LFP-13	NA	Dry	-	6.33	-
LFP-14	NA	26.37	-	26.00	-

Notes
(1) - Source: Malcolm Pirnie Inc. Project Number 0266319
Table 2-2, Monitoring Well and Piezometer Construction Summary
NA - Not Available
NM - Not Measured

Table 4-1
Summary of Groundwater Elevations
Columbia Mills
Minetto, New York
NYSDEC Site No. 7-38-012

Well	Measuring Point Elevation [(1)] (feet)	6/17/2009		3/24/2010	
		DTW (feet)	Elevation (feet)	DTW (feet)	Elevation (feet)
MW-1S	324.85	4.81	320.04	2.98	321.87
MW-1D	325.14	1.80	323.34	0.67	324.47
MW-2S	335.93	11.66	324.27	9.43	326.50
MW-2D	335.90	11.77	324.13	9.19	326.71
MW-3S	316.02	5.76	310.26	5.94	310.08
MW-3D	315.79	22.03	293.76	20.78	295.01
MW-4S	321.63	11.70	309.93	8.41	313.22
MW-4D	321.26	11.13	310.13	10.17	311.09
LFP-1	NA	18.36	-	18.00	-
LFP-2	NA	NM	-	13.12	-
LFP-3	NA	14.18	-	13.85	-
LFP-4	NA	13.24	-	13.28	-
LFP-5	NA	17.26	-	16.61	-
LFP-6	NA	13.44	-	12.40	-
LFP-7	NA	NM	-	Dry	-
LFP-8	NA	13.21	-	12.39	-
LFP-9	NA	17.93	-	17.79	-
LFP-10	NA	14.90	-	14.81	-
LFP-11	NA	22.89	-	22.41	-
LFP-12	NA	Dry	-	Dry	-
LFP-13	NA	6.50	-	5.48	-
LFP-14	NA	25.83	-	25.49	-

Notes
(1) - Source: Malcolm Pirnie Inc. Project Nu
Table 2-2, Monitoring Well and Piezom
NA - Not Available
NM - Not Measured

Table 4-2
Summary of Groundwater Sampling Results - PCBs
Columbia Mills
Minetto, New York
NYSDEC Site No. 7-38-012

Sample Date Units	NYSDEC Class GA Standards	MW-1S 8/7/2007 ug/L	MW-1S 10/1/2008 ug/L	MW-1S 6/18/2009 ug/L	MW-1S 3/34/10 ug/L	MW-1D 8/7/2007 ug/L	MW-1D 10/1/2008 ug/L	MW-1D 6/18/2009 ug/L
Analyte								
PCB-1016	-	0.54 U	0.53 U	0.52 U	0.53 U	0.54 U	0.52 U	0.5 U
PCB-1221	-	1.1 U	1.1 U	0.52 U	0.53 U	1.1 U	1.0 U	0.5 U
PCB-1232	-	0.54 U	0.53 U	0.52 U	0.53 U	0.54 U	0.52 U	0.5 U
PCB-1242	-	0.54 U	0.53 U	0.52 U	0.53 U	0.54 U	0.52 U	0.5 U
PCB-1248	-	0.54 U	0.53 U	0.52 U	0.53 U	0.54 U	0.52 U	0.5 U
PCB-1254	-	0.54 U	0.53 U	0.52 U	0.53 U	0.54 U	0.52 U	0.5 U
PCB-1260	-	0.54 U	0.53 U	0.52 U	0.53 U	0.54 U	0.52 U	0.5 U
Total PCBs	0.09	-	-	-	-	-	-	-

Notes:

- Concentration exceeds corresponding NYSDEC Class GA Standard

U - Analyte not detected

J - Estimated value

M - Manual integrated compound

B - Analyte was detected in Method Blank.

NS - No sample. Container damaged.

Table 4-2
Summary of Groundwater Sampling Results - PCBs
Columbia Mills
Minetto, New York
NYSDEC Site No. 7-38-012

Sample Date Units	NYSDEC Class GA Standards	MW-1D 3/24/2010 ug/L	MW-2S 8/7/2007 ug/L	MW-2S 10/2/2008 ug/L	MW-2S 6/18/2009 ug/L	MW-2S 3/24/2010 ug/L	MW-2D 8/7/2007 ug/L	MW-2D 10/1/2008 ug/L
Analyte								
PCB-1016	-	0.5 U	0.56 U	0.54 U	0.5 U	NS	0.56 U	0.55 U
PCB-1221	-	0.5 U	1.1 U	1.1 U	0.5 U	NS	1.1 U	1.1 U
PCB-1232	-	0.5 U	0.56 U	0.54 U	0.5 U	NS	0.56 U	0.55 U
PCB-1242	-	0.5 U	0.56 U	0.54 U	0.5 U	NS	0.56 U	0.55 U
PCB-1248	-	0.5 U	0.56 U	0.54 U	0.5 U	NS	0.56 U	0.55 U
PCB-1254	-	0.5 U	0.56 U	0.54 U	0.5 U	NS	0.56 U	0.55 U
PCB-1260	-	0.5 U	0.56 U	0.54 U	0.5 U	NS	0.56 U	0.55 U
Total PCBs	0.09	-	-	-	-	-	-	-

Notes:

- Concentration exceeds corresponding NYSDEC Class GA Standard

U - Analyte not detected

J - Estimated value

M - Manual integrated compound

B - Analyte was detected in Method Blank.

NS - No sample. Container damaged.

Table 4-2
Summary of Groundwater Sampling Results - PCBs
Columbia Mills
Minetto, New York
NYSDEC Site No. 7-38-012

Sample Date Units	NYSDEC Class GA Standards	MW-2D 6/18/2009 ug/L	MW-2D 3/24/2010 ug/L	MW-3S 8/8/2007 ug/L	MW-3S 10/2/2008 ug/L	MW-3S 6/19/2009 ug/L	MW-3S 3/25/2010 ug/L	MW-3D 8/8/2007 ug/L
Analyte								
PCB-1016	-	0.5 U	0.53 U	0.50 U	0.53 U	0.5 U	0.5 U	0.50 U
PCB-1221	-	0.5 U	0.53 U	1.0 U	1.1 U	0.5 U	0.5 U	1.0 U
PCB-1232	-	0.5 U	0.53 U	0.50 U	0.53 U	0.5 U	0.5 U	0.50 U
PCB-1242	-	0.5 U	0.53 U	0.50 U	0.53 U	0.5 U	0.5 U	0.50 U
PCB-1248	-	0.5 U	0.53 U	0.40 J M	0.53 U	0.5 U	0.5 U	0.50 U
PCB-1254	-	0.5 U	0.53 U	0.50 U	0.53 U	0.5 U	0.5 U	0.50 U
PCB-1260	-	0.5 U	0.53 U	0.19 JMB	0.53 U	0.5 U	0.5 U	0.50 U
Total PCBs	0.09	-	-	**0.59**	-	-	-	-

Notes:

- Concentration exceeds corresponding NYSDEC Class GA Standard

U - Analyte not detected

J - Estimated value

M - Manual integrated compound

B - Analyte was detected in Method Blank.

NS - No sample. Container damaged.

Table 4-2
Summary of Groundwater Sampling Results - PCBs
Columbia Mills
Minetto, New York
NYSDEC Site No. 7-38-012

Sample Date Units	NYSDEC Class GA Standards	MW-3D 10/2/2008 ug/L	MW-3D 6/19/2009 ug/L	MW-3D 3/25/2010 ug/L	MW-4S 8/7/2007 ug/L	MW-4S 10/1/2008 ug/L	MW-4S 6/18/2009 ug/L	MW-4S 3/24/2010 ug/L
Analyte								
PCB-1016	-	0.93 U	0.54 U	0.54 U	0.56 U	0.54 U	0.5 U	0.54 U
PCB-1221	-	1.9 U	0.54 U	0.54 U	1.1 U	1.1 U	0.5 U	0.54 U
PCB-1232	-	0.93 U	0.54 U	0.54 U	0.56 U	0.54 U	0.5 U	0.54 U
PCB-1242	-	0.93 U	0.54 U	0.54 U	0.56 U	0.54 U	0.5 U	0.54 U
PCB-1248	-	0.93 U	0.54 U	0.54 U	0.56 U	0.54 U	0.5 U	0.54 U
PCB-1254	-	0.93 U	0.54 U	0.54 U	0.56 U	0.54 U	0.5 U	0.54 U
PCB-1260	-	0.93 U	0.54 U	0.54 U	0.56 U	0.54 U	0.5 U	0.54 U
Total PCBs	0.09	-	-	-	-	-	-	-

Notes:

- Concentration exceeds corresponding NYSDEC Class GA Standard

U - Analyte not detected

J - Estimated value

M - Manual integrated compound

B - Analyte was detected in Method Blank.

NS - No sample. Container damaged.

Table 4-2
Summary of Groundwater Sampling Results - PCBs
Columbia Mills
Minetto, New York
NYSDEC Site No. 7-38-012

Sample Date Units	NYSDEC Class GA Standards	MW-4D 8/7/2007 ug/L	MW-4D 10/1/2008 ug/L	MW-4D 6/18/2009 ug/L	MW-4D 3/24/2010 ug/L
Analyte					
PCB-1016	-	0.61 U	0.52 U	0.5 U	0.52 U
PCB-1221	-	1.2 U	1.0 U	0.5 U	0.52 U
PCB-1232	-	0.61 U	0.52 U	0.5 U	0.52 U
PCB-1242	-	0.61 U	0.52 U	0.5 U	0.52 U
PCB-1248	-	0.61 U	0.52 U	0.5 U	0.52 U
PCB-1254	-	0.61 U	0.52 U	0.5 U	0.52 U
PCB-1260	-	0.61 U	0.52 U	0.5 U	0.52 U
Total PCBs	0.09	-	-	-	-

Notes:

- Concentration exceeds corresponding NYSDEC Class GA Standard

U - Analyte not detected

J - Estimated value

M - Manual integrated compound

B - Analyte was detected in Method Blank.

NS - No sample. Container damaged.

Appendix A

Analytical Reporting Forms

MALCOLM PIRNIE

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 220-11783-1

Job Description: NYSDEC Standby - Columbia Mills

For:
Malcolm Pirnie, Inc.
855 Route 146
Suite 210
Clifton Park, NY 12065

Attention: Mr. Bruce Nelson

Approved for release.
Joan Widomski
Data Review Analyst I
4/9/2010 5:05 PM

Designee for
Johanna Dubauskas
Project Manager I
johanna.dubauskas@testamericainc.com
04/09/2010

TestAmerica Connecticut Certifications and Approvals: CTDOH PH-047, MADEP CT023, RIDOH A43, NYDOH 10602, NY NELAP 10602, NHDES 2528, NJDEP CT410, ME DOH CT023, UT DOH 2032614458

TestAmerica Laboratories, Inc.
TestAmerica Connecticut 128 Long Hill Cross Road, Shelton, CT 06484
Tel (203) 929-8140 Fax (203) 929-8142 www.testamericainc.com

ACCREDITED IN ACCORDANCE WITH nelac

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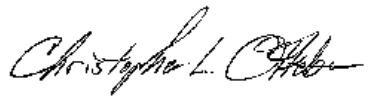
Table of Contents

Case Narrative for Job: 220-11783

Client: Malcolm Pirnie, Inc.
Date: April 9, 2010

I certify that this data package is in compliance with the terms and conditions of this contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature.



Christopher L. Otterbein
Laboratory Director

April 9, 2010

Job Narrative
220-11783-1

Comments
No additional comments.

Receipt
Volatile sample #13 (Trip Blank) was received with headspace in container 220-11783-C-13 and was not used for analysis.

Sample MW-3S was received at TestAmerica in a one liter glass amber bottle only half filled. No back up volume received.

One container for the following sample was received broken: MW-4D (220-11783-10).

Another sample (MW-2S) was submitted for PCB analysis however, both one liter ambers were broken in transit. No volume remains for analysis.

A trip blank was submitted for analysis with these samples; however, it was not listed on the Chain-of-Custody (COC).

All other samples were received in good condition within temperature requirements.

GC/MS VOA
No analytical or quality issues were noted.

GC Semi VOA
No analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

FORMULAS FOR NYSDEC SAMPLE CALCULATIONS

Volatiles

(Ax)(IS)(DF)
(AIS)(RRF)(V)(% solids) = C

(AX)(IS)(VT)(1000)(DF)
(AIS)(RRF)(VA)(V)(% solids) = C (for medium level soils)

SemiVolatiles

(AX)(IS)(VE)(DF)(GPC factor is 2 if needed)
(AIS)(RRF)(volume injected)(V)(% solids) = C

Pesticides

(AX)(VE)(DF)
(RRF)(V)(% solids)(volume injected) = C

PCBs for compound/retention time

(AX)(VE)(DF)
(RRF of compound at the stated retention time)(V)(% solids)(volume injected) = C

DRO/CTETPH

(AX)(VE)(DF)
(RRF)(V)(% solids)(volume injected) = C

AX = area of the target Ion
AIS = Area of Internal standard
C = concentration as ug/L or ug/Kg
DF = dilution
IS = Internal standard concentration (ng)
RRF = average RF (from initial cal except CLP methods from continuing cal)
V = sample volume for liquids in mls or sample weight for solids in grams
VA = volume of aliquot for medium level soils
VE = volume of concentrated extract
VT = volume of methanol for volatile medium level soils

SAMPLE SUMMARY

Client: Malcolm Pirnie, Inc. Job Number: 220-11783-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
220-11783-1	MW-3S	Water	03/25/2010 0920	03/26/2010 0940
220-11783-2	MW-3D	Water	03/25/2010 0930	03/26/2010 0940
220-11783-3	SOUTH MH (TANK)	Water	03/25/2010 1045	03/26/2010 0940
220-11783-4	LEACHATE LINE	Water	03/25/2010 1115	03/26/2010 0940
220-11783-5	SOUTH PPRS	Water	03/25/2010 1125	03/26/2010 0940
220-11783-6	NORTH PPRS	Water	03/25/2010 1200	03/26/2010 0940
220-11783-6MS	NORTH PPRSMS	Water	03/25/2010 1200	03/26/2010 0940
220-11783-6MSD	NORTH PPRSMSD	Water	03/25/2010 1200	03/26/2010 0940
220-11783-7	MW-X	Water	03/25/2010 0000	03/26/2010 0940
220-11783-8	MW-2D	Water	03/24/2010 1210	03/26/2010 0940
220-11783-9	MW-4S	Water	03/24/2010 1405	03/26/2010 0940
220-11783-10	MW-4D	Water	03/24/2010 1415	03/26/2010 0940
220-11783-11	MW-1S	Water	03/24/2010 1515	03/26/2010 0940
220-11783-12	MW-1D	Water	03/24/2010 1525	03/26/2010 0940
220-11783-13TB	TRIP BLANK	Water	03/24/2010 0000	03/26/2010 0940

EXECUTIVE SUMMARY - Detections

Client: Malcolm Pirnie, Inc. Job Number: 220-11783-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
220-11783-3	**SOUTH MH (TANK)**					
Methylene Chloride		0.12	J B	2.0	ug/L	8260B
220-11783-6	**NORTH PPRS**					
Methylene Chloride		0.13	J B	2.0	ug/L	8260B
220-11783-13TB	**TRIP BLANK**					
Methylene Chloride		0.94	J B	2.0	ug/L	8260B

METHOD SUMMARY

Client: Malcolm Pirnie, Inc. Job Number: 220-11783-1

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL CT	SW846 8260B	
Purge and Trap	TAL CT		SW846 5030B
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL CT	SW846 8082	
Liquid-Liquid Extraction (Separatory Funnel)	TAL CT		SW846 3510C
ILM05.3 Metals	TAL BUF	ILM05.3 ILM05.3	

Lab References:

TAL BUF = TestAmerica Buffalo

TAL CT = TestAmerica Connecticut

Method References:

ILM05.3 = U.S. Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Malcolm Pirnie, Inc. Job Number: 220-11783-1

Method	Analyst	Analyst ID
SW846 8260B	Humbert, Dave	DH
SW846 8260B	Kostrzewska, Barbara	BK
SW846 8082	Dini, Tracy	TD

Client: Malcolm Pirnie, Inc. Job Number: 220-11783-1

Client Sample ID: **SOUTH MH (TANK)**

Lab Sample ID: 220-11783-3 Date Sampled: 03/25/2010 1045
Client Matrix: Water Date Received: 03/26/2010 0940

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B Analysis Batch: 220-37427 Instrument ID: MSY
Preparation: 5030B Lab File ID: Y0476.D
Dilution: 1.0 Initial Weight/Volume: 5 mL
Date Analyzed: 04/08/2010 1715 Final Weight/Volume: 5 mL
Date Prepared: 04/08/2010 1715

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	2.0	U	0.58	2.0
Benzene	0.50	U	0.14	0.50
Bromodichloromethane	0.50	U	0.078	0.50
Bromoform	0.50	U	0.13	0.50
Bromomethane	1.0	U	0.21	1.0
Methyl Ethyl Ketone	2.0	U	0.32	2.0
Carbon disulfide	0.50	U	0.077	0.50
Carbon tetrachloride	0.50	U	0.10	0.50
Chlorobenzene	0.50	U	0.057	0.50
Chloroethane	1.0	U	0.15	1.0
Chloroform	0.50	U	0.12	0.50
Chloromethane	0.50	U	0.20	0.50
Dibromochloromethane	0.50	U	0.088	0.50
1,1-Dichloroethane	0.50	U	0.13	0.50
1,2-Dichloroethane	0.50	U	0.12	0.50
1,1-Dichloroethene	0.50	U	0.19	0.50
cis-1,2-Dichloroethene	0.50	U	0.21	0.50
trans-1,2-Dichloroethene	0.50	U	0.24	0.50
1,2-Dichloropropane	0.50	U	0.11	0.50
cis-1,3-Dichloropropene	0.50	U	0.13	0.50
trans-1,3-Dichloropropene	0.50	U	0.19	0.50
Ethylbenzene	0.50	U	0.14	0.50
2-Hexanone	2.0	U	0.51	2.0
Methylene Chloride	0.12	J B	0.091	2.0
methyl isobutyl ketone	2.0	U	0.30	2.0
Styrene	0.50	U	0.17	0.50
1,1,2,2-Tetrachloroethane	0.50	U	0.15	0.50
Tetrachloroethene	0.50	U	0.11	0.50
Toluene	0.50	U	0.18	0.50
1,1,1-Trichloroethane	0.50	U	0.16	0.50
1,1,2-Trichloroethane	0.50	U	0.11	0.50
Trichloroethene	0.50	U	0.11	0.50
Vinyl chloride	0.50	U	0.14	0.50
Xylenes, Total	1.0	U	0.30	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		57 - 121
4-Bromofluorobenzene	89		57 - 121
Dibromofluoromethane	103		67 - 133
Toluene-d8 (Surr)	104		62 - 121

Client: Malcolm Pirnie, Inc. Job Number: 220-11783-1

Client Sample ID: LEACHATE LINE

Lab Sample ID: 220-11783-4 Date Sampled: 03/25/2010 1115
Client Matrix: Water Date Received: 03/26/2010 0940

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B Analysis Batch: 220-37427 Instrument ID: MSY
Preparation: 5030B Lab File ID: Y0477.D
Dilution: 1.0 Initial Weight/Volume: 5 mL
Date Analyzed: 04/08/2010 1741 Final Weight/Volume: 5 mL
Date Prepared: 04/08/2010 1741

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	2.0	U	0.58	2.0
Benzene	0.50	U	0.14	0.50
Bromodichloromethane	0.50	U	0.078	0.50
Bromoform	0.50	U	0.13	0.50
Bromomethane	1.0	U	0.21	1.0
Methyl Ethyl Ketone	2.0	U	0.32	2.0
Carbon disulfide	0.50	U	0.077	0.50
Carbon tetrachloride	0.50	U	0.10	0.50
Chlorobenzene	0.50	U	0.057	0.50
Chloroethane	1.0	U	0.15	1.0
Chloroform	0.50	U	0.12	0.50
Chloromethane	0.50	U	0.20	0.50
Dibromochloromethane	0.50	U	0.088	0.50
1,1-Dichloroethane	0.50	U	0.13	0.50
1,2-Dichloroethane	0.50	U	0.12	0.50
1,1-Dichloroethene	0.50	U	0.19	0.50
cis-1,2-Dichloroethene	0.50	U	0.21	0.50
trans-1,2-Dichloroethene	0.50	U	0.24	0.50
1,2-Dichloropropane	0.50	U	0.11	0.50
cis-1,3-Dichloropropene	0.50	U	0.13	0.50
trans-1,3-Dichloropropene	0.50	U	0.19	0.50
Ethylbenzene	0.50	U	0.14	0.50
2-Hexanone	2.0	U	0.51	2.0
Methylene Chloride	2.0	U	0.091	2.0
methyl isobutyl ketone	2.0	U	0.30	2.0
Styrene	0.50	U	0.17	0.50
1,1,2,2-Tetrachloroethane	0.50	U	0.15	0.50
Tetrachloroethene	0.50	U	0.11	0.50
Toluene	0.50	U	0.18	0.50
1,1,1-Trichloroethane	0.50	U	0.16	0.50
1,1,2-Trichloroethane	0.50	U	0.11	0.50
Trichloroethene	0.50	U	0.11	0.50
Vinyl chloride	0.50	U	0.14	0.50
Xylenes, Total	1.0	U	0.30	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101		57 - 121
4-Bromofluorobenzene	86		57 - 121
Dibromofluoromethane	101		67 - 133
Toluene-d8 (Surr)	102		62 - 121

Client: Malcolm Pirnie, Inc. Job Number: 220-11783-1

Client Sample ID: SOUTH PPRS

Lab Sample ID: 220-11783-5 Date Sampled: 03/25/2010 1125
Client Matrix: Water Date Received: 03/26/2010 0940

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B Analysis Batch: 220-37427 Instrument ID: MSY
Preparation: 5030B Lab File ID: Y0478.D
Dilution: 1.0 Initial Weight/Volume: 5 mL
Date Analyzed: 04/08/2010 1808 Final Weight/Volume: 5 mL
Date Prepared: 04/08/2010 1808

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	2.0	U	0.58	2.0
Benzene	0.50	U	0.14	0.50
Bromodichloromethane	0.50	U	0.078	0.50
Bromoform	0.50	U	0.13	0.50
Bromomethane	1.0	U	0.21	1.0
Methyl Ethyl Ketone	2.0	U	0.32	2.0
Carbon disulfide	0.50	U	0.077	0.50
Carbon tetrachloride	0.50	U	0.10	0.50
Chlorobenzene	0.50	U	0.057	0.50
Chloroethane	1.0	U	0.15	1.0
Chloroform	0.50	U	0.12	0.50
Chloromethane	0.50	U	0.20	0.50
Dibromochloromethane	0.50	U	0.088	0.50
1,1-Dichloroethane	0.50	U	0.13	0.50
1,2-Dichloroethane	0.50	U	0.12	0.50
1,1-Dichloroethene	0.50	U	0.19	0.50
cis-1,2-Dichloroethene	0.50	U	0.21	0.50
trans-1,2-Dichloroethene	0.50	U	0.24	0.50
1,2-Dichloropropane	0.50	U	0.11	0.50
cis-1,3-Dichloropropene	0.50	U	0.13	0.50
trans-1,3-Dichloropropene	0.50	U	0.19	0.50
Ethylbenzene	0.50	U	0.14	0.50
2-Hexanone	2.0	U	0.51	2.0
Methylene Chloride	2.0	U	0.091	2.0
methyl isobutyl ketone	2.0	U	0.30	2.0
Styrene	0.50	U	0.17	0.50
1,1,2,2-Tetrachloroethane	0.50	U	0.15	0.50
Tetrachloroethene	0.50	U	0.11	0.50
Toluene	0.50	U	0.18	0.50
1,1,1-Trichloroethane	0.50	U	0.16	0.50
1,1,2-Trichloroethane	0.50	U	0.11	0.50
Trichloroethene	0.50	U	0.11	0.50
Vinyl chloride	0.50	U	0.14	0.50
Xylenes, Total	1.0	U	0.30	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		57 - 121
4-Bromofluorobenzene	87		57 - 121
Dibromofluoromethane	103		67 - 133
Toluene-d8 (Surr)	101		62 - 121

Client: Malcolm Pirnie, Inc. Job Number: 220-11783-1

Client Sample ID: NORTH PPRS

Lab Sample ID: 220-11783-6 Date Sampled: 03/25/2010 1200
Client Matrix: Water Date Received: 03/26/2010 0940

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B Analysis Batch: 220-37427 Instrument ID: MSY
Preparation: 5030B Lab File ID: Y0479.D
Dilution: 1.0 Initial Weight/Volume: 5 mL
Date Analyzed: 04/08/2010 1835 Final Weight/Volume: 5 mL
Date Prepared: 04/08/2010 1835

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	2.0	U	0.58	2.0
Benzene	0.50	U	0.14	0.50
Bromodichloromethane	0.50	U	0.078	0.50
Bromoform	0.50	U	0.13	0.50
Bromomethane	1.0	U	0.21	1.0
Methyl Ethyl Ketone	2.0	U	0.32	2.0
Carbon disulfide	0.50	U	0.077	0.50
Carbon tetrachloride	0.50	U	0.10	0.50
Chlorobenzene	0.50	U	0.057	0.50
Chloroethane	1.0	U	0.15	1.0
Chloroform	0.50	U	0.12	0.50
Chloromethane	0.50	U	0.20	0.50
Dibromochloromethane	0.50	U	0.088	0.50
1,1-Dichloroethane	0.50	U	0.13	0.50
1,2-Dichloroethane	0.50	U	0.12	0.50
1,1-Dichloroethene	0.50	U	0.19	0.50
cis-1,2-Dichloroethene	0.50	U	0.21	0.50
trans-1,2-Dichloroethene	0.50	U	0.24	0.50
1,2-Dichloropropane	0.50	U	0.11	0.50
cis-1,3-Dichloropropene	0.50	U	0.13	0.50
trans-1,3-Dichloropropene	0.50	U	0.19	0.50
Ethylbenzene	0.50	U	0.14	0.50
2-Hexanone	2.0	U	0.51	2.0
Methylene Chloride	0.13	J B	0.091	2.0
methyl isobutyl ketone	2.0	U	0.30	2.0
Styrene	0.50	U	0.17	0.50
1,1,2,2-Tetrachloroethane	0.50	U	0.15	0.50
Tetrachloroethene	0.50	U	0.11	0.50
Toluene	0.50	U	0.18	0.50
1,1,1-Trichloroethane	0.50	U	0.16	0.50
1,1,2-Trichloroethane	0.50	U	0.11	0.50
Trichloroethene	0.50	U	0.11	0.50
Vinyl chloride	0.50	U	0.14	0.50
Xylenes, Total	1.0	U	0.30	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		57 - 121
4-Bromofluorobenzene	85		57 - 121
Dibromofluoromethane	103		67 - 133
Toluene-d8 (Surr)	102		62 - 121

Client: Malcolm Pirnie, Inc. Job Number: 220-11783-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 220-11783-13TB Date Sampled: 03/24/2010 0000
Client Matrix: Water Date Received: 03/26/2010 0940

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B Analysis Batch: 220-37348 Instrument ID: MSW
Preparation: 5030B Lab File ID: W2005.D
Dilution: 1.0 Initial Weight/Volume: 5 mL
Date Analyzed: 04/07/2010 1633 Final Weight/Volume: 5 mL
Date Prepared: 04/07/2010 1633

Analyte	Result (ug/L)	Qualifier	MDL	RL
Acetone	2.0	U	0.58	2.0
Benzene	0.50	U	0.14	0.50
Bromodichloromethane	0.50	U	0.078	0.50
Bromoform	0.50	U	0.13	0.50
Bromomethane	1.0	U	0.21	1.0
Methyl Ethyl Ketone	2.0	U	0.32	2.0
Carbon disulfide	0.50	U	0.077	0.50
Carbon tetrachloride	0.50	U	0.10	0.50
Chlorobenzene	0.50	U	0.057	0.50
Chloroethane	1.0	U	0.15	1.0
Chloroform	0.50	U	0.12	0.50
Chloromethane	0.50	U	0.20	0.50
Dibromochloromethane	0.50	U	0.088	0.50
1,1-Dichloroethane	0.50	U	0.13	0.50
1,2-Dichloroethane	0.50	U	0.12	0.50
1,1-Dichloroethene	0.50	U	0.19	0.50
cis-1,2-Dichloroethene	0.50	U	0.21	0.50
trans-1,2-Dichloroethene	0.50	U	0.24	0.50
1,2-Dichloropropane	0.50	U	0.11	0.50
cis-1,3-Dichloropropene	0.50	U	0.13	0.50
trans-1,3-Dichloropropene	0.50	U	0.19	0.50
Ethylbenzene	0.50	U	0.14	0.50
2-Hexanone	2.0	U	0.51	2.0
Methylene Chloride	0.94	J B	0.091	2.0
methyl isobutyl ketone	2.0	U	0.30	2.0
Styrene	0.50	U	0.17	0.50
1,1,2,2-Tetrachloroethane	0.50	U	0.15	0.50
Tetrachloroethene	0.50	U	0.11	0.50
Toluene	0.50	U	0.18	0.50
1,1,1-Trichloroethane	0.50	U	0.16	0.50
1,1,2-Trichloroethane	0.50	U	0.11	0.50
Trichloroethene	0.50	U	0.11	0.50
Vinyl chloride	0.50	U	0.14	0.50
Xylenes, Total	1.0	U	0.30	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	113		57 - 121
4-Bromofluorobenzene	83		57 - 121
Dibromofluoromethane	105		67 - 133
Toluene-d8 (Surr)	92		62 - 121

Client: Malcolm Pirnie, Inc. Job Number: 220-11783-1

Client Sample ID: MW-3S

Lab Sample ID: 220-11783-1 Date Sampled: 03/25/2010 0920
Client Matrix: Water Date Received: 03/26/2010 0940

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 220-37158	Instrument ID: GC9
Preparation:	3510C	Prep Batch: 220-37063	Initial Weight/Volume: 500 mL
Dilution:	1.0		Final Weight/Volume: 5 mL
Date Analyzed:	03/31/2010 1829		Injection Volume: 1 uL
Date Prepared:	03/29/2010 1340		Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	0.50	U	0.050	0.50
PCB-1221	0.50	U	0.050	0.50
PCB-1232	0.50	U	0.050	0.50
PCB-1242	0.50	U	0.050	0.50
PCB-1248	0.50	U	0.050	0.50
PCB-1254	0.50	U	0.082	0.50
PCB-1260	0.50	U	0.082	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	91		22 - 145
DCB Decachlorobiphenyl	68		29 - 135

Client: Malcolm Pirnie, Inc. Job Number: 220-11783-1

Client Sample ID: MW-3D

Lab Sample ID: 220-11783-2 Date Sampled: 03/25/2010 0930
Client Matrix: Water Date Received: 03/26/2010 0940

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 220-37158		Instrument ID:	GC9
Preparation:	3510C	Prep Batch: 220-37063		Initial Weight/Volume:	930 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	03/31/2010 1848			Injection Volume:	1 uL
Date Prepared:	03/29/2010 1340			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	0.54	U	0.054	0.54
PCB-1221	0.54	U	0.054	0.54
PCB-1232	0.54	U	0.054	0.54
PCB-1242	0.54	U	0.054	0.54
PCB-1248	0.54	U	0.054	0.54
PCB-1254	0.54	U	0.088	0.54
PCB-1260	0.54	U	0.088	0.54

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	87		22 - 145
DCB Decachlorobiphenyl	61		29 - 135

Client: Malcolm Pirnie, Inc. Job Number: 220-11783-1

Client Sample ID: **SOUTH MH (TANK)**

Lab Sample ID: 220-11783-3 Date Sampled: 03/25/2010 1045
Client Matrix: Water Date Received: 03/26/2010 0940

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 220-37158		Instrument ID:	GC9
Preparation:	3510C	Prep Batch: 220-37063		Initial Weight/Volume:	940 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	03/31/2010 1907			Injection Volume:	1 uL
Date Prepared:	03/29/2010 1340			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	0.53	U	0.053	0.53
PCB-1221	0.53	U	0.053	0.53
PCB-1232	0.53	U	0.053	0.53
PCB-1242	0.53	U	0.053	0.53
PCB-1248	0.53	U	0.053	0.53
PCB-1254	0.53	U	0.087	0.53
PCB-1260	0.53	U	0.087	0.53

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	94		22 - 145
DCB Decachlorobiphenyl	77		29 - 135

Client: Malcolm Pirnie, Inc. Job Number: 220-11783-1

Client Sample ID: **LEACHATE LINE**

Lab Sample ID: 220-11783-4 Date Sampled: 03/25/2010 1115
Client Matrix: Water Date Received: 03/26/2010 0940

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 220-37158	Instrument ID: GC9
Preparation:	3510C	Prep Batch: 220-37063	Initial Weight/Volume: 950 mL
Dilution:	1.0		Final Weight/Volume: 10 mL
Date Analyzed:	03/31/2010 1926		Injection Volume: 1 uL
Date Prepared:	03/29/2010 1340		Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	0.53	U	0.053	0.53
PCB-1221	0.53	U	0.053	0.53
PCB-1232	0.53	U	0.053	0.53
PCB-1242	0.53	U	0.053	0.53
PCB-1248	0.53	U	0.053	0.53
PCB-1254	0.53	U	0.086	0.53
PCB-1260	0.53	U	0.086	0.53

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	101		22 - 145
DCB Decachlorobiphenyl	88		29 - 135

Client: Malcolm Pirnie, Inc. Job Number: 220-11783-1

Client Sample ID: **SOUTH PPRS**

Lab Sample ID: 220-11783-5 Date Sampled: 03/25/2010 1125
Client Matrix: Water Date Received: 03/26/2010 0940

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 220-37158	Instrument ID: GC9
Preparation:	3510C	Prep Batch: 220-37063	Initial Weight/Volume: 1000 mL
Dilution:	1.0		Final Weight/Volume: 10 mL
Date Analyzed:	03/31/2010 1945		Injection Volume: 1 uL
Date Prepared:	03/29/2010 1340		Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	0.50	U	0.050	0.50
PCB-1221	0.50	U	0.050	0.50
PCB-1232	0.50	U	0.050	0.50
PCB-1242	0.50	U	0.050	0.50
PCB-1248	0.50	U	0.050	0.50
PCB-1254	0.50	U	0.082	0.50
PCB-1260	0.50	U	0.082	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	90		22 - 145
DCB Decachlorobiphenyl	81		29 - 135

Client: Malcolm Pirnie, Inc. Job Number: 220-11783-1

Client Sample ID: **NORTH PPRS**

Lab Sample ID: 220-11783-6 Date Sampled: 03/25/2010 1200
Client Matrix: Water Date Received: 03/26/2010 0940

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 220-37158	Instrument ID: GC9
Preparation:	3510C	Prep Batch: 220-37063	Initial Weight/Volume: 1000 mL
Dilution:	1.0		Final Weight/Volume: 10 mL
Date Analyzed:	03/31/2010 2004		Injection Volume: 1 uL
Date Prepared:	03/29/2010 1340		Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	0.50	U	0.050	0.50
PCB-1221	0.50	U	0.050	0.50
PCB-1232	0.50	U	0.050	0.50
PCB-1242	0.50	U	0.050	0.50
PCB-1248	0.50	U	0.050	0.50
PCB-1254	0.50	U	0.082	0.50
PCB-1260	0.50	U	0.082	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	76		22 - 145
DCB Decachlorobiphenyl	70		29 - 135

Client: Malcolm Pirnie, Inc. Job Number: 220-11783-1

Client Sample ID: MW-X

Lab Sample ID: 220-11783-7 Date Sampled: 03/25/2010 0000
Client Matrix: Water Date Received: 03/26/2010 0940

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 220-37158		Instrument ID:	GC9
Preparation:	3510C	Prep Batch: 220-37063		Initial Weight/Volume:	930 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	03/31/2010 2101			Injection Volume:	1 uL
Date Prepared:	03/29/2010 1340			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	0.54	U	0.054	0.54
PCB-1221	0.54	U	0.054	0.54
PCB-1232	0.54	U	0.054	0.54
PCB-1242	0.54	U	0.054	0.54
PCB-1248	0.54	U	0.054	0.54
PCB-1254	0.54	U	0.088	0.54
PCB-1260	0.54	U	0.088	0.54

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	99		22 - 145
DCB Decachlorobiphenyl	86		29 - 135

Client: Malcolm Pirnie, Inc. Job Number: 220-11783-1

Client Sample ID: MW-2D

Lab Sample ID: 220-11783-8 Date Sampled: 03/24/2010 1210
Client Matrix: Water Date Received: 03/26/2010 0940

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 220-37158	Instrument ID: GC9
Preparation:	3510C	Prep Batch: 220-37063	Initial Weight/Volume: 950 mL
Dilution:	1.0		Final Weight/Volume: 10 mL
Date Analyzed:	03/31/2010 2120		Injection Volume: 1 uL
Date Prepared:	03/29/2010 1340		Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	0.53	U	0.053	0.53
PCB-1221	0.53	U	0.053	0.53
PCB-1232	0.53	U	0.053	0.53
PCB-1242	0.53	U	0.053	0.53
PCB-1248	0.53	U	0.053	0.53
PCB-1254	0.53	U	0.086	0.53
PCB-1260	0.53	U	0.086	0.53

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	98		22 - 145
DCB Decachlorobiphenyl	72		29 - 135

Client: Malcolm Pirnie, Inc. Job Number: 220-11783-1

Client Sample ID: MW-4S

Lab Sample ID: 220-11783-9 Date Sampled: 03/24/2010 1405
Client Matrix: Water Date Received: 03/26/2010 0940

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 220-37158		Instrument ID:	GC9
Preparation:	3510C	Prep Batch: 220-37063		Initial Weight/Volume:	930 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	03/31/2010 2139			Injection Volume:	1 uL
Date Prepared:	03/29/2010 1340			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	0.54	U	0.054	0.54
PCB-1221	0.54	U	0.054	0.54
PCB-1232	0.54	U	0.054	0.54
PCB-1242	0.54	U	0.054	0.54
PCB-1248	0.54	U	0.054	0.54
PCB-1254	0.54	U	0.088	0.54
PCB-1260	0.54	U	0.088	0.54

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	99		22 - 145
DCB Decachlorobiphenyl	75		29 - 135

Client: Malcolm Pirnie, Inc. Job Number: 220-11783-1

Client Sample ID: MW-4D

Lab Sample ID: 220-11783-10 Date Sampled: 03/24/2010 1415
Client Matrix: Water Date Received: 03/26/2010 0940

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 220-37158	Instrument ID: GC9
Preparation:	3510C	Prep Batch: 220-37063	Initial Weight/Volume: 970 mL
Dilution:	1.0		Final Weight/Volume: 10 mL
Date Analyzed:	03/31/2010 2158		Injection Volume: 1 uL
Date Prepared:	03/29/2010 1340		Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	0.52	U	0.052	0.52
PCB-1221	0.52	U	0.052	0.52
PCB-1232	0.52	U	0.052	0.52
PCB-1242	0.52	U	0.052	0.52
PCB-1248	0.52	U	0.052	0.52
PCB-1254	0.52	U	0.085	0.52
PCB-1260	0.52	U	0.085	0.52

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	67		22 - 145
DCB Decachlorobiphenyl	61		29 - 135

Client: Malcolm Pirnie, Inc. Job Number: 220-11783-1

Client Sample ID: MW-1S

Lab Sample ID: 220-11783-11 Date Sampled: 03/24/2010 1515
Client Matrix: Water Date Received: 03/26/2010 0940

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 220-37158		Instrument ID:	GC9
Preparation:	3510C	Prep Batch: 220-37063		Initial Weight/Volume:	950 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Date Analyzed:	03/31/2010 2217			Injection Volume:	1 uL
Date Prepared:	03/29/2010 1340			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	0.53	U	0.053	0.53
PCB-1221	0.53	U	0.053	0.53
PCB-1232	0.53	U	0.053	0.53
PCB-1242	0.53	U	0.053	0.53
PCB-1248	0.53	U	0.053	0.53
PCB-1254	0.53	U	0.086	0.53
PCB-1260	0.53	U	0.086	0.53

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	104		22 - 145
DCB Decachlorobiphenyl	85		29 - 135

Client: Malcolm Pirnie, Inc. Job Number: 220-11783-1

Client Sample ID: MW-1D

Lab Sample ID: 220-11783-12 Date Sampled: 03/24/2010 1525
Client Matrix: Water Date Received: 03/26/2010 0940

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Method:	8082	Analysis Batch: 220-37158	Instrument ID: GC9
Preparation:	3510C	Prep Batch: 220-37063	Initial Weight/Volume: 1000 mL
Dilution:	1.0		Final Weight/Volume: 10 mL
Date Analyzed:	03/31/2010 2236		Injection Volume: 1 uL
Date Prepared:	03/29/2010 1340		Result Type: PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
PCB-1016	0.50	U	0.050	0.50
PCB-1221	0.50	U	0.050	0.50
PCB-1232	0.50	U	0.050	0.50
PCB-1242	0.50	U	0.050	0.50
PCB-1248	0.50	U	0.050	0.50
PCB-1254	0.50	U	0.082	0.50
PCB-1260	0.50	U	0.082	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	98		22 - 145
DCB Decachlorobiphenyl	85		29 - 135

Client: Malcolm Pirnie, Inc. Job Number: 220-11783-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
220-11783-3	SOUTH MH (TANK)	103	100	104	89
220-11783-4	LEACHATE LINE	101	101	102	86
220-11783-5	SOUTH PPRS	103	100	101	87
220-11783-6	NORTH PPRS	103	100	102	85
220-11783-13	TRIP BLANK	105	113	92	83
MB 220-37348/9		100	107	92	83
MB 220-37427/3		99	93	104	89
LCS 220-37348/8		100	101	94	88
LCS 220-37427/2		88	81	106	88

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane	67-133
DCA = 1,2-Dichloroethane-d4 (Surr)	57-121
TOL = Toluene-d8 (Surr)	62-121
BFB = 4-Bromofluorobenzene	57-121

Client: Malcolm Pirnie, Inc. Job Number: 220-11783-1

Surrogate Recovery Report

8082 Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Water

Lab Sample ID	Client Sample ID	TCX2 %Rec	DCB2 %Rec
220-11783-1	MW-3S	91	68
220-11783-2	MW-3D	87	61
220-11783-3	SOUTH MH (TANK)	94	77
220-11783-4	LEACHATE LINE	101	88
220-11783-5	SOUTH PPRS	90	81
220-11783-6	NORTH PPRS	76	70
220-11783-7	MW-X	99	86
220-11783-8	MW-2D	98	72
220-11783-9	MW-4S	99	75
220-11783-10	MW-4D	67	61
220-11783-11	MW-1S	104	85
220-11783-12	MW-1D	98	85
MB 220-37063/1-A		87	51
LCS 220-37063/2-A		90	44
220-11783-6 MS	NORTH PPRS MS	93	80
220-11783-6 MSD	NORTH PPRS MSD	94	81

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	22-145
DCB = DCB Decachlorobiphenyl	29-135

Client: Malcolm Pirnie, Inc. Job Number: 220-11783-1

Method Blank - Batch: 220-37348

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 220-37348/9
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/07/2010 1542
Date Prepared: 04/07/2010 1542

Analysis Batch: 220-37348
Prep Batch: N/A
Units: ug/L

Instrument ID: MSW
Lab File ID: W2003.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Acetone	2.0	U	0.58	2.0
Benzene	0.50	U	0.14	0.50
Bromodichloromethane	0.50	U	0.078	0.50
Bromoform	0.50	U	0.13	0.50
Bromomethane	1.0	U	0.21	1.0
Methyl Ethyl Ketone	2.0	U	0.32	2.0
Carbon disulfide	0.50	U	0.077	0.50
Carbon tetrachloride	0.50	U	0.10	0.50
Chlorobenzene	0.50	U	0.057	0.50
Chloroethane	1.0	U	0.15	1.0
Chloroform	0.50	U	0.12	0.50
Chloromethane	0.50	U	0.20	0.50
Dibromochloromethane	0.50	U	0.088	0.50
1,1-Dichloroethane	0.50	U	0.13	0.50
1,2-Dichloroethane	0.50	U	0.12	0.50
1,1-Dichloroethene	0.50	U	0.19	0.50
cis-1,2-Dichloroethene	0.50	U	0.21	0.50
trans-1,2-Dichloroethene	0.50	U	0.24	0.50
1,2-Dichloropropane	0.50	U	0.11	0.50
cis-1,3-Dichloropropene	0.50	U	0.13	0.50
trans-1,3-Dichloropropene	0.50	U	0.19	0.50
Ethylbenzene	0.50	U	0.14	0.50
2-Hexanone	2.0	U	0.51	2.0
Methylene Chloride	0.582	J	0.091	2.0
methyl isobutyl ketone	2.0	U	0.30	2.0
Styrene	0.50	U	0.17	0.50
1,1,2,2-Tetrachloroethane	0.50	U	0.15	0.50
Tetrachloroethene	0.50	U	0.11	0.50
Toluene	0.50	U	0.18	0.50
1,1,1-Trichloroethane	0.50	U	0.16	0.50
1,1,2-Trichloroethane	0.50	U	0.11	0.50
Trichloroethene	0.50	U	0.11	0.50
Vinyl chloride	0.50	U	0.14	0.50
Xylenes, Total	1.0	U	0.30	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107	57 - 121
4-Bromofluorobenzene	83	57 - 121
Dibromofluoromethane	100	67 - 133
Toluene-d8 (Surr)	92	62 - 121

Client: Malcolm Pirnie, Inc. Job Number: 220-11783-1

Lab Control Sample - Batch: 220-37348

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 220-37348/8
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/07/2010 1439
Date Prepared: 04/07/2010 1439

Analysis Batch: 220-37348
Prep Batch: N/A
Units: ug/L

Instrument ID: MSW
Lab File ID: W2001.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acetone	10.0	12.1	121	33 - 150	
Benzene	10.0	11.8	118	72 - 123	
Bromodichloromethane	10.0	11.5	115	71 - 128	
Bromoform	10.0	10.3	103	66 - 120	
Bromomethane	10.0	11.0	110	35 - 150	
Methyl Ethyl Ketone	10.0	11.5	115	30 - 150	
Carbon disulfide	10.0	12.2	122	51 - 140	
Carbon tetrachloride	10.0	12.0	120	67 - 134	
Chlorobenzene	10.0	10.6	106	68 - 120	
Chloroethane	10.0	12.2	122	35 - 150	
Chloroform	10.0	11.8	118	72 - 131	
Chloromethane	10.0	10.2	102	30 - 150	
Dibromochloromethane	10.0	10.5	105	66 - 120	
1,1-Dichloroethane	10.0	11.8	118	74 - 127	
1,2-Dichloroethane	10.0	11.6	116	64 - 136	
1,1-Dichloroethene	10.0	12.5	125	70 - 134	
cis-1,2-Dichloroethene	10.0	11.5	115	70 - 120	
trans-1,2-Dichloroethene	10.0	11.9	119	63 - 120	
1,2-Dichloropropane	10.0	11.3	113	71 - 120	
cis-1,3-Dichloropropene	10.0	10.6	106	66 - 120	
trans-1,3-Dichloropropene	10.0	10.1	101	70 - 120	
Ethylbenzene	10.0	11.1	111	63 - 120	
2-Hexanone	10.0	11.9	119	29 - 150	
Methylene Chloride	10.0	11.1	111	47 - 150	
methyl isobutyl ketone	10.0	10.4	104	52 - 137	
Styrene	10.0	11.0	110	52 - 120	
1,1,2,2-Tetrachloroethane	10.0	10.7	107	62 - 129	
Tetrachloroethene	10.0	10.3	103	55 - 120	
Toluene	10.0	10.8	108	64 - 120	
1,1,1-Trichloroethane	10.0	12.1	121	70 - 134	
1,1,2-Trichloroethane	10.0	11.7	117	73 - 126	
Trichloroethene	10.0	11.9	119	66 - 120	
Vinyl chloride	10.0	11.9	119	48 - 150	
Xylenes, Total	30.0	32.3	108	61 - 120	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101	57 - 121
4-Bromofluorobenzene	88	57 - 121
Dibromofluoromethane	100	67 - 133
Toluene-d8 (Surr)	94	62 - 121

Client: Malcolm Pirnie, Inc. Job Number: 220-11783-1

Method Blank - Batch: 220-37427

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 220-37427/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/08/2010 1434
Date Prepared: 04/08/2010 1434

Analysis Batch: 220-37427
Prep Batch: N/A
Units: ug/L

Instrument ID: MSY
Lab File ID: Y0470.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Acetone	2.0	U	0.58	2.0
Benzene	0.50	U	0.14	0.50
Bromodichloromethane	0.50	U	0.078	0.50
Bromoform	0.50	U	0.13	0.50
Bromomethane	1.0	U	0.21	1.0
Methyl Ethyl Ketone	2.0	U	0.32	2.0
Carbon disulfide	0.127	J	0.077	0.50
Carbon tetrachloride	0.50	U	0.10	0.50
Chlorobenzene	0.50	U	0.057	0.50
Chloroethane	1.0	U	0.15	1.0
Chloroform	0.50	U	0.12	0.50
Chloromethane	0.50	U	0.20	0.50
Dibromochloromethane	0.50	U	0.088	0.50
1,1-Dichloroethane	0.50	U	0.13	0.50
1,2-Dichloroethane	0.50	U	0.12	0.50
1,1-Dichloroethene	0.50	U	0.19	0.50
cis-1,2-Dichloroethene	0.50	U	0.21	0.50
trans-1,2-Dichloroethene	0.50	U	0.24	0.50
1,2-Dichloropropane	0.50	U	0.11	0.50
cis-1,3-Dichloropropene	0.50	U	0.13	0.50
trans-1,3-Dichloropropene	0.50	U	0.19	0.50
Ethylbenzene	0.50	U	0.14	0.50
2-Hexanone	2.0	U	0.51	2.0
Methylene Chloride	1.07	J	0.091	2.0
methyl isobutyl ketone	2.0	U	0.30	2.0
Styrene	0.50	U	0.17	0.50
1,1,2,2-Tetrachloroethane	0.50	U	0.15	0.50
Tetrachloroethene	0.50	U	0.11	0.50
Toluene	0.50	U	0.18	0.50
1,1,1-Trichloroethane	0.50	U	0.16	0.50
1,1,2-Trichloroethane	0.50	U	0.11	0.50
Trichloroethene	0.50	U	0.11	0.50
Vinyl chloride	0.50	U	0.14	0.50
Xylenes, Total	1.0	U	0.30	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93	57 - 121
4-Bromofluorobenzene	89	57 - 121
Dibromofluoromethane	99	67 - 133
Toluene-d8 (Surr)	104	62 - 121

Client: Malcolm Pirnie, Inc. Job Number: 220-11783-1

Lab Control Sample - Batch: 220-37427

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 220-37427/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/08/2010 1258
Date Prepared: 04/08/2010 1258

Analysis Batch: 220-37427
Prep Batch: N/A
Units: ug/L

Instrument ID: MSY
Lab File ID: Y0467.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acetone	10.0	6.20	62	33 - 150	
Benzene	10.0	9.58	96	72 - 123	
Bromodichloromethane	10.0	8.65	86	71 - 128	
Bromoform	10.0	8.49	85	66 - 120	
Bromomethane	10.0	9.76	98	35 - 150	
Methyl Ethyl Ketone	10.0	7.79	78	30 - 150	
Carbon disulfide	10.0	8.78	88	51 - 140	
Carbon tetrachloride	10.0	9.28	93	67 - 134	
Chlorobenzene	10.0	9.79	98	68 - 120	
Chloroethane	10.0	10.6	106	35 - 150	
Chloroform	10.0	8.84	88	72 - 131	
Chloromethane	10.0	10.3	103	30 - 150	
Dibromochloromethane	10.0	8.94	89	66 - 120	
1,1-Dichloroethane	10.0	8.86	89	74 - 127	
1,2-Dichloroethane	10.0	7.85	78	64 - 136	
1,1-Dichloroethene	10.0	9.13	91	70 - 134	
cis-1,2-Dichloroethene	10.0	8.92	89	70 - 120	
trans-1,2-Dichloroethene	10.0	8.59	86	63 - 120	
1,2-Dichloropropane	10.0	9.56	96	71 - 120	
cis-1,3-Dichloropropene	10.0	9.05	90	66 - 120	
trans-1,3-Dichloropropene	10.0	8.91	89	70 - 120	
Ethylbenzene	10.0	9.71	97	63 - 120	
2-Hexanone	10.0	6.12	61	29 - 150	
Methylene Chloride	10.0	12.3	123	47 - 150	
methyl isobutyl ketone	10.0	8.11	81	52 - 137	
Styrene	10.0	9.52	95	52 - 120	
1,1,2,2-Tetrachloroethane	10.0	8.29	83	62 - 129	
Tetrachloroethene	10.0	9.68	97	55 - 120	
Toluene	10.0	11.0	110	64 - 120	
1,1,1-Trichloroethane	10.0	8.25	83	70 - 134	
1,1,2-Trichloroethane	10.0	8.84	88	73 - 126	
Trichloroethene	10.0	9.36	94	66 - 120	
Vinyl chloride	10.0	11.2	112	48 - 150	
Xylenes, Total	30.0	30.6	102	61 - 120	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	81	57 - 121
4-Bromofluorobenzene	88	57 - 121
Dibromofluoromethane	88	67 - 133
Toluene-d8 (Surr)	106	62 - 121

Client: Malcolm Pirnie, Inc. Job Number: 220-11783-1

Method Blank - Batch: 220-37063

Method: 8082
Preparation: 3510C

Lab Sample ID: MB 220-37063/1-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/31/2010 1751
Date Prepared: 03/29/2010 1340

Analysis Batch: 220-37158
Prep Batch: 220-37063
Units: ug/L

Instrument ID: GC9
Lab File ID: D9064490.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
PCB-1016	0.50	U	0.050	0.50
PCB-1221	0.50	U	0.050	0.50
PCB-1232	0.50	U	0.050	0.50
PCB-1242	0.50	U	0.050	0.50
PCB-1248	0.50	U	0.050	0.50
PCB-1254	0.50	U	0.082	0.50
PCB-1260	0.50	U	0.082	0.50

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	87	22 - 145
DCB Decachlorobiphenyl	51	29 - 135

Lab Control Sample - Batch: 220-37063

Method: 8082
Preparation: 3510C

Lab Sample ID: LCS 220-37063/2-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/31/2010 1810
Date Prepared: 03/29/2010 1340

Analysis Batch: 220-37158
Prep Batch: 220-37063
Units: ug/L

Instrument ID: GC9
Lab File ID: D9064491.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 10 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
PCB-1016	5.00	4.47	89	47 - 120	
PCB-1260	5.00	3.55	71	38 - 120	

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	90	22 - 145
DCB Decachlorobiphenyl	44	29 - 135

Client: Malcolm Pirnie, Inc. Job Number: 220-11783-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 220-37063

Method: 8082
Preparation: 3510C

MS Lab Sample ID:	220-11783-6	Analysis Batch: 220-37158	Instrument ID: GC9
Client Matrix:	Water	Prep Batch: 220-37063	Lab File ID: D9064498.D
Dilution:	1.0		Initial Weight/Volume: 940 mL
Date Analyzed:	03/31/2010 2023		Final Weight/Volume: 10 mL
Date Prepared:	03/29/2010 1340		Injection Volume: 1 uL
			Column ID: PRIMARY

MSD Lab Sample ID:	220-11783-6	Analysis Batch: 220-37158	Instrument ID: GC9
Client Matrix:	Water	Prep Batch: 220-37063	Lab File ID: D9064499.D
Dilution:	1.0		Initial Weight/Volume: 1000 mL
Date Analyzed:	03/31/2010 2042		Final Weight/Volume: 10 mL
Date Prepared:	03/29/2010 1340		Injection Volume: 1 uL
			Column ID: PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
PCB-1016	102	106	47 - 120	3	30		
PCB-1260	80	83	38 - 120	3	27		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Tetrachloro-m-xylene	93	94	22 - 145
DCB Decachlorobiphenyl	80	81	29 - 135

Matrix Spike/
Matrix Spike Duplicate Data Report - Batch: 220-37063

Method: 8082
Preparation: 3510C

MS Lab Sample ID:	220-11783-6	Units: ug/L	MSD Lab Sample ID: 220-11783-6
Client Matrix:	Water		Client Matrix: Water
Dilution:	1.0		Dilution: 1.0
Date Analyzed:	03/31/2010 2023		Date Analyzed: 03/31/2010 2042
Date Prepared:	03/29/2010 1340		Date Prepared: 03/29/2010 1340

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
PCB-1016	0.50	U	2.13	2.00	2.17	2.12
PCB-1260	0.50	U	2.13	2.00	1.70	1.65

DATA REPORTING QUALIFIERS

Client: Malcolm Pirnie, Inc. Job Number: 220-11783-1

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Analyzed for but not detected.
	J	Indicates an estimated value.
	B	The analyte was found in an associated blank, as well as in the sample.
GC Semi VOA		
	U	Analyzed for but not detected.
	J	Indicates an estimated value.

Client: Malcolm Pirnie, Inc. Job Number: 220-11783-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:220-37348					
LCS 220-37348/8	Lab Control Sample	T	Water	8260B	
MB 220-37348/9	Method Blank	T	Water	8260B	
220-11783-13TB	TRIP BLANK	T	Water	8260B	
Analysis Batch:220-37427					
LCS 220-37427/2	Lab Control Sample	T	Water	8260B	
MB 220-37427/3	Method Blank	T	Water	8260B	
220-11783-3	SOUTH MH (TANK)	T	Water	8260B	
220-11783-4	LEACHATE LINE	T	Water	8260B	
220-11783-5	SOUTH PPRS	T	Water	8260B	
220-11783-6	NORTH PPRS	T	Water	8260B	

Report Basis
T = Total

Client: Malcolm Pirnie, Inc. Job Number: 220-11783-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 220-37063					
LCS 220-37063/2-A	Lab Control Sample	T	Water	3510C	
MB 220-37063/1-A	Method Blank	T	Water	3510C	
220-11783-1	MW-3S	T	Water	3510C	
220-11783-2	MW-3D	T	Water	3510C	
220-11783-3	SOUTH MH (TANK)	T	Water	3510C	
220-11783-4	LEACHATE LINE	T	Water	3510C	
220-11783-5	SOUTH PPRS	T	Water	3510C	
220-11783-6	NORTH PPRS	T	Water	3510C	
220-11783-6MS	Matrix Spike	T	Water	3510C	
220-11783-6MSD	Matrix Spike Duplicate	T	Water	3510C	
220-11783-7	MW-X	T	Water	3510C	
220-11783-8	MW-2D	T	Water	3510C	
220-11783-9	MW-4S	T	Water	3510C	
220-11783-10	MW-4D	T	Water	3510C	
220-11783-11	MW-1S	T	Water	3510C	
220-11783-12	MW-1D	T	Water	3510C	
Analysis Batch:220-37158					
LCS 220-37063/2-A	Lab Control Sample	T	Water	8082	220-37063
MB 220-37063/1-A	Method Blank	T	Water	8082	220-37063
220-11783-1	MW-3S	T	Water	8082	220-37063
220-11783-2	MW-3D	T	Water	8082	220-37063
220-11783-3	SOUTH MH (TANK)	T	Water	8082	220-37063
220-11783-4	LEACHATE LINE	T	Water	8082	220-37063
220-11783-5	SOUTH PPRS	T	Water	8082	220-37063
220-11783-6	NORTH PPRS	T	Water	8082	220-37063
220-11783-6MS	Matrix Spike	T	Water	8082	220-37063
220-11783-6MSD	Matrix Spike Duplicate	T	Water	8082	220-37063
220-11783-7	MW-X	T	Water	8082	220-37063
220-11783-8	MW-2D	T	Water	8082	220-37063
220-11783-9	MW-4S	T	Water	8082	220-37063
220-11783-10	MW-4D	T	Water	8082	220-37063
220-11783-11	MW-1S	T	Water	8082	220-37063
220-11783-12	MW-1D	T	Water	8082	220-37063

Report Basis
T = Total

Client: Malcolm Pirnie, Inc. Job Number: 220-11783-1

Laboratory Chronicle

Lab ID: 220-11783-1 **Client ID: MW-3S**

Sample Date/Time: 03/25/2010 09:20 Received Date/Time: 03/26/2010 09:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	220-11783-A-1-A		220-37158	220-37063	03/29/2010 13:40	1	TAL CT	GHP
A:8082	220-11783-A-1-A		220-37158	220-37063	03/31/2010 18:29	1	TAL CT	TD

Lab ID: 220-11783-2 **Client ID: MW-3D**

Sample Date/Time: 03/25/2010 09:30 Received Date/Time: 03/26/2010 09:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	220-11783-B-2-A		220-37158	220-37063	03/29/2010 13:40	1	TAL CT	GHP
A:8082	220-11783-B-2-A		220-37158	220-37063	03/31/2010 18:48	1	TAL CT	TD

Lab ID: 220-11783-3 **Client ID: SOUTH MH (TANK)**

Sample Date/Time: 03/25/2010 10:45 Received Date/Time: 03/26/2010 09:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	220-11783-F-3		220-37427		04/08/2010 17:15	1	TAL CT	DH
A:8260B	220-11783-F-3		220-37427		04/08/2010 17:15	1	TAL CT	DH
P:3510C	220-11783-A-3-A		220-37158	220-37063	03/29/2010 13:40	1	TAL CT	GHP
A:8082	220-11783-A-3-A		220-37158	220-37063	03/31/2010 19:07	1	TAL CT	TD

Lab ID: 220-11783-4 **Client ID: LEACHATE LINE**

Sample Date/Time: 03/25/2010 11:15 Received Date/Time: 03/26/2010 09:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	220-11783-E-4		220-37427		04/08/2010 17:41	1	TAL CT	DH
A:8260B	220-11783-E-4		220-37427		04/08/2010 17:41	1	TAL CT	DH
P:3510C	220-11783-A-4-A		220-37158	220-37063	03/29/2010 13:40	1	TAL CT	GHP
A:8082	220-11783-A-4-A		220-37158	220-37063	03/31/2010 19:26	1	TAL CT	TD

Lab ID: 220-11783-5 **Client ID: SOUTH PPRS**

Sample Date/Time: 03/25/2010 11:25 Received Date/Time: 03/26/2010 09:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	220-11783-E-5		220-37427		04/08/2010 18:08	1	TAL CT	DH
A:8260B	220-11783-E-5		220-37427		04/08/2010 18:08	1	TAL CT	DH
P:3510C	220-11783-B-5-A		220-37158	220-37063	03/29/2010 13:40	1	TAL CT	GHP
A:8082	220-11783-B-5-A		220-37158	220-37063	03/31/2010 19:45	1	TAL CT	TD

Client: Malcolm Pirnie, Inc. Job Number: 220-11783-1

Laboratory Chronicle

Lab ID: 220-11783-6 **Client ID: NORTH PPRS**

Sample Date/Time: 03/25/2010 12:00 Received Date/Time: 03/26/2010 09:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	220-11783-F-6		220-37427		04/08/2010 18:35	1	TAL CT	DH
A:8260B	220-11783-F-6		220-37427		04/08/2010 18:35	1	TAL CT	DH
P:3510C	220-11783-B-6-A		220-37158	220-37063	03/29/2010 13:40	1	TAL CT	GHP
A:8082	220-11783-B-6-A		220-37158	220-37063	03/31/2010 20:04	1	TAL CT	TD

Lab ID: 220-11783-6 **Client ID: NORTH PPRS**

Sample Date/Time: 03/25/2010 12:00 Received Date/Time: 03/26/2010 09:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	220-11783-A-6-A MS		220-37158	220-37063	03/29/2010 13:40	1	TAL CT	GHP
A:8082	220-11783-A-6-A MS		220-37158	220-37063	03/31/2010 20:23	1	TAL CT	TD

Lab ID: 220-11783-6 **Client ID: NORTH PPRS**

Sample Date/Time: 03/25/2010 12:00 Received Date/Time: 03/26/2010 09:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	220-11783-A-6-B MSD		220-37158	220-37063	03/29/2010 13:40	1	TAL CT	GHP
A:8082	220-11783-A-6-B MSD		220-37158	220-37063	03/31/2010 20:42	1	TAL CT	TD

Lab ID: 220-11783-7 **Client ID: MW-X**

Sample Date/Time: 03/25/2010 00:00 Received Date/Time: 03/26/2010 09:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	220-11783-A-7-A		220-37158	220-37063	03/29/2010 13:40	1	TAL CT	GHP
A:8082	220-11783-A-7-A		220-37158	220-37063	03/31/2010 21:01	1	TAL CT	TD

Lab ID: 220-11783-8 **Client ID: MW-2D**

Sample Date/Time: 03/24/2010 12:10 Received Date/Time: 03/26/2010 09:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	220-11783-B-8-A		220-37158	220-37063	03/29/2010 13:40	1	TAL CT	GHP
A:8082	220-11783-B-8-A		220-37158	220-37063	03/31/2010 21:20	1	TAL CT	TD

Client: Malcolm Pirnie, Inc. Job Number: 220-11783-1

Laboratory Chronicle

Lab ID: 220-11783-9 **Client ID: MW-4S**

Sample Date/Time: 03/24/2010 14:05 Received Date/Time: 03/26/2010 09:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	220-11783-A-9-A		220-37158	220-37063	03/29/2010 13:40	1	TAL CT	GHP
A:8082	220-11783-A-9-A		220-37158	220-37063	03/31/2010 21:39	1	TAL CT	TD

Lab ID: 220-11783-10 **Client ID: MW-4D**

Sample Date/Time: 03/24/2010 14:15 Received Date/Time: 03/26/2010 09:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	220-11783-A-10-A		220-37158	220-37063	03/29/2010 13:40	1	TAL CT	GHP
A:8082	220-11783-A-10-A		220-37158	220-37063	03/31/2010 21:58	1	TAL CT	TD

Lab ID: 220-11783-11 **Client ID: MW-1S**

Sample Date/Time: 03/24/2010 15:15 Received Date/Time: 03/26/2010 09:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	220-11783-A-11-A		220-37158	220-37063	03/29/2010 13:40	1	TAL CT	GHP
A:8082	220-11783-A-11-A		220-37158	220-37063	03/31/2010 22:17	1	TAL CT	TD

Lab ID: 220-11783-12 **Client ID: MW-1D**

Sample Date/Time: 03/24/2010 15:25 Received Date/Time: 03/26/2010 09:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	220-11783-A-12-A		220-37158	220-37063	03/29/2010 13:40	1	TAL CT	GHP
A:8082	220-11783-A-12-A		220-37158	220-37063	03/31/2010 22:36	1	TAL CT	TD

Lab ID: 220-11783-13 **Client ID: TRIP BLANK**

Sample Date/Time: 03/24/2010 00:00 Received Date/Time: 03/26/2010 09:40

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	220-11783-B-13		220-37348		04/07/2010 16:33	1	TAL CT	BK
A:8260B	220-11783-B-13		220-37348		04/07/2010 16:33	1	TAL CT	BK

Client: Malcolm Pirnie, Inc. Job Number: 220-11783-1

Laboratory Chronicle

Lab ID: MB **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MB 220-37348/9		220-37348		04/07/2010 15:42	1	TAL CT	BK
A:8260B	MB 220-37348/9		220-37348		04/07/2010 15:42	1	TAL CT	BK
P:5030B	MB 220-37427/3		220-37427		04/08/2010 14:34	1	TAL CT	DH
A:8260B	MB 220-37427/3		220-37427		04/08/2010 14:34	1	TAL CT	DH
P:3510C	MB 220-37063/1-A		220-37158	220-37063	03/29/2010 13:40	1	TAL CT	GHP
A:8082	MB 220-37063/1-A		220-37158	220-37063	03/31/2010 17:51	1	TAL CT	TD

Lab ID: LCS **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCS 220-37348/8		220-37348		04/07/2010 14:39	1	TAL CT	BK
A:8260B	LCS 220-37348/8		220-37348		04/07/2010 14:39	1	TAL CT	BK
P:5030B	LCS 220-37427/2		220-37427		04/08/2010 12:58	1	TAL CT	DH
A:8260B	LCS 220-37427/2		220-37427		04/08/2010 12:58	1	TAL CT	DH
P:3510C	LCS 220-37063/2-A		220-37158	220-37063	03/29/2010 13:40	1	TAL CT	GHP
A:8082	LCS 220-37063/2-A		220-37158	220-37063	03/31/2010 18:10	1	TAL CT	TD

Lab References:
TAL CT = TestAmerica Connecticut

SUBCONTRACTED DATA

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Analytical Report

SDG Number: 220-11783

Project Description(s)
Work Order RTC1429 - NYSDEC Standby - Columbia Mills

For:

Johanna Dubauskas

TestAmerica Connecticut
128 Long Hill Cross Road
Shelton, CT 06484

Melissa Deyo

Melissa Deyo For Sally Hoffman
Project Manager
melissa.deyo@testamericainc.com
Wednesday, April 7, 2010

TestAmerica Connecticut
128 Long Hill Cross Road
Shelton, CT 06484

SDG Number: 220-11783

Project: NYSDEC Standby - Columbia Mills
Project Number: 220-11783

Received: 03/27/10
Reported: 04/07/10 11:45

TestAmerica Buffalo
Current Certifications

As of 12/21/2009

STATE	Program	Cert # / Lab ID
Arkansas	CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA,NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA,CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP,SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA,CLP	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania*	NELAP CWA,RCRA	68-00281
Tennessee	SDWA	02970
Texas*	NELAP CWA, RCRA	T104704412-08-TX
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington*	NELAP CWA,RCRA	C1677
Wisconsin	CWA, RCRA	998310390
West Virginia	CWA,RCRA	252

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

TestAmerica Connecticut
128 Long Hill Cross Road
Shelton, CT 06484

SDG Number: 220-11783

Project: NYSDEC Standby - Columbia Mills
Project Number: 220-11783

Received: 03/27/10
Reported: 04/07/10 11:45

CASE NARRATIVE

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverables has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Melissa Deyo

Melissa Deyo For Sally Hoffman
Project Manager

Wednesday, April 7, 2010

A pertinent document is appended to this report, 1 page, is included and is an integral part of this report.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

TestAmerica Connecticut
128 Long Hill Cross Road
Shelton, CT 06484

SDG Number: 220-11783

Project: NYSDEC Standby - Columbia Mills
Project Number: 220-11783

Received: 03/27/10
Reported: 04/07/10 11:45

DATA QUALIFIERS AND DEFINITIONS

B	Analyte was detected in the associated Method Blank.
J	Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
R3	The RPD exceeded the acceptance limit due to sample matrix effects.
NR	Any inclusion of NR indicates that the project specific requirements do not require reporting estimated values below the laboratory reporting limit.

ADDITIONAL COMMENTS

Results are reported on a wet weight basis unless otherwise noted.

TestAmerica Connecticut
128 Long Hill Cross Road
Shelton, CT 06484

SDG Number: 220-11783

Project: NYSDEC Standby - Columbia Mills
Project Number: 220-11783

Received: 03/27/10
Reported: 04/07/10 11:45

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: LEACHATE LINE (RTC1429-02 - Water)						**Sampled: 03/25/10 11:15**		**Recvd: 03/27/10 09:10**		
CLP Metals										
Barium	**117**	J	200	0.3	ug/L	1.00	04/01/10 14:37	DAN	10D0027	CLP-M
Calcium	**53300**		5000	100	ug/L	1.00	04/01/10 14:37	DAN	10D0027	CLP-M
Magnesium	**8570**		5000	43.4	ug/L	1.00	04/01/10 14:37	DAN	10D0027	CLP-M
Manganese	**14.4**	J, B	15.0	0.2	ug/L	1.00	04/01/10 14:37	DAN	10D0027	CLP-M
Potassium	**1540**	J	5000	50.0	ug/L	1.00	04/01/10 14:37	DAN	10D0027	CLP-M
Sodium	**6910**		5000	324	ug/L	1.00	04/01/10 14:37	DAN	10D0027	CLP-M
Vanadium	**2.7**	J	50.0	1.1	ug/L	1.00	04/01/10 14:37	DAN	10D0027	CLP-M
Zinc	**8.0**	J	60.0	1.5	ug/L	1.00	04/01/10 14:37	DAN	10D0027	CLP-M
Client ID: NORTH PPRS (RTC1429-04 - Water)						**Sampled: 03/25/10 12:00**		**Recvd: 03/27/10 09:10**		
CLP Metals										
Barium	**105**	J	200	0.3	ug/L	1.00	04/01/10 15:20	DAN	10D0027	CLP-M
Calcium	**70300**		5000	100	ug/L	1.00	04/01/10 15:20	DAN	10D0027	CLP-M
Magnesium	**11600**		5000	43.4	ug/L	1.00	04/01/10 15:20	DAN	10D0027	CLP-M
Manganese	**57.2**	B	15.0	0.2	ug/L	1.00	04/01/10 15:20	DAN	10D0027	CLP-M
Potassium	**1980**	J	5000	50.0	ug/L	1.00	04/01/10 15:20	DAN	10D0027	CLP-M
Sodium	**12800**		5000	324	ug/L	1.00	04/01/10 15:20	DAN	10D0027	CLP-M
Vanadium	**1.7**	J	50.0	1.1	ug/L	1.00	04/01/10 15:20	DAN	10D0027	CLP-M
Client ID: SOUTH MH (TANK) (RTC1429-01 - Water)						**Sampled: 03/25/10 10:45**		**Recvd: 03/27/10 09:10**		
CLP Metals										
Barium	**92.7**	J	200	0.3	ug/L	1.00	04/01/10 14:32	DAN	10D0027	CLP-M
Calcium	**34500**		5000	100	ug/L	1.00	04/01/10 14:32	DAN	10D0027	CLP-M
Magnesium	**6830**		5000	43.4	ug/L	1.00	04/01/10 14:32	DAN	10D0027	CLP-M
Manganese	**0.5**	J, B	15.0	0.2	ug/L	1.00	04/01/10 14:32	DAN	10D0027	CLP-M
Potassium	**5560**		5000	50.0	ug/L	1.00	04/01/10 14:32	DAN	10D0027	CLP-M
Sodium	**37200**		5000	324	ug/L	1.00	04/01/10 14:32	DAN	10D0027	CLP-M
Zinc	**2.0**	J	60.0	1.5	ug/L	1.00	04/01/10 14:32	DAN	10D0027	CLP-M
Client ID: SOUTH PPRS (RTC1429-03 - Water)						**Sampled: 03/25/10 11:25**		**Recvd: 03/27/10 09:10**		
CLP Metals										
Barium	**110**	J	200	0.3	ug/L	1.00	04/01/10 14:42	DAN	10D0027	CLP-M
Calcium	**74500**		5000	100	ug/L	1.00	04/01/10 14:42	DAN	10D0027	CLP-M
Cobalt	**0.6**	J	50.0	0.6	ug/L	1.00	04/01/10 14:42	DAN	10D0027	CLP-M
Magnesium	**11000**		5000	43.4	ug/L	1.00	04/01/10 14:42	DAN	10D0027	CLP-M
Manganese	**6.9**	J, B	15.0	0.2	ug/L	1.00	04/01/10 14:42	DAN	10D0027	CLP-M
Potassium	**1170**	J	5000	50.0	ug/L	1.00	04/01/10 14:42	DAN	10D0027	CLP-M
Sodium	**3270**	J	5000	324	ug/L	1.00	04/01/10 14:42	DAN	10D0027	CLP-M

TestAmerica Connecticut
128 Long Hill Cross Road
Shelton, CT 06484

SDG Number: 220-11783

Project: NYSDEC Standby - Columbia Mills
Project Number: 220-11783

Received: 03/27/10
Reported: 04/07/10 11:45

Sample Summary

Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
LEACHATE LINE	RTC1429-02	Water	03/25/10 11:15	03/27/10 09:10	
NORTH PPRS	RTC1429-04	Water	03/25/10 12:00	03/27/10 09:10	
SOUTH MH (TANK)	RTC1429-01	Water	03/25/10 10:45	03/27/10 09:10	
SOUTH PPRS	RTC1429-03	Water	03/25/10 11:25	03/27/10 09:10	

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Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: LEACHATE LINE (RTC1429-02 - Water)						**Sampled: 03/25/10 11:15**		**Recvd: 03/27/10 09:10**		
CLP Metals										
Aluminum	ND		200	39.8	ug/L	1.00	04/01/10 14:37	DAN	10D0027	CLP-M
Antimony	ND		60.0	6.8	ug/L	1.00	04/01/10 14:37	DAN	10D0027	CLP-M
Arsenic	ND		10.0	5.6	ug/L	1.00	04/01/10 14:37	DAN	10D0027	CLP-M
Barium	**117**	J	200	0.3	ug/L	1.00	04/01/10 14:37	DAN	10D0027	CLP-M
Beryllium	ND		5.0	0.2	ug/L	1.00	04/01/10 14:37	DAN	10D0027	CLP-M
Cadmium	ND		5.0	0.3	ug/L	1.00	04/01/10 14:37	DAN	10D0027	CLP-M
Calcium	**53300**		5000	100	ug/L	1.00	04/01/10 14:37	DAN	10D0027	CLP-M
Chromium	ND		10.0	0.9	ug/L	1.00	04/01/10 14:37	DAN	10D0027	CLP-M
Cobalt	ND		50.0	0.6	ug/L	1.00	04/01/10 14:37	DAN	10D0027	CLP-M
Copper	ND		25.0	1.3	ug/L	1.00	04/01/10 14:37	DAN	10D0027	CLP-M
Iron	ND		100	19.3	ug/L	1.00	04/01/10 14:37	DAN	10D0027	CLP-M
Lead	ND		10.0	3.0	ug/L	1.00	04/01/10 14:37	DAN	10D0027	CLP-M
Magnesium	**8570**		5000	43.4	ug/L	1.00	04/01/10 14:37	DAN	10D0027	CLP-M
Manganese	**14.4**	J, B	15.0	0.2	ug/L	1.00	04/01/10 14:37	DAN	10D0027	CLP-M
Mercury	ND		0.2	0.1	ug/L	1.00	03/30/10 18:05	MXM	10C2246	CLP-M
Nickel	ND		40.0	1.3	ug/L	1.00	04/01/10 14:37	DAN	10D0027	CLP-M
Potassium	**1540**	J	5000	50.0	ug/L	1.00	04/01/10 14:37	DAN	10D0027	CLP-M
Selenium	ND		35.0	8.7	ug/L	1.00	04/01/10 14:37	DAN	10D0027	CLP-M
Silver	ND		10.0	1.2	ug/L	1.00	04/01/10 14:37	DAN	10D0027	CLP-M
Sodium	**6910**		5000	324	ug/L	1.00	04/01/10 14:37	DAN	10D0027	CLP-M
Thallium	ND		25.0	10.2	ug/L	1.00	04/01/10 14:37	DAN	10D0027	CLP-M
Vanadium	**2.7**	J	50.0	1.1	ug/L	1.00	04/01/10 14:37	DAN	10D0027	CLP-M
Zinc	**8.0**	J	60.0	1.5	ug/L	1.00	04/01/10 14:37	DAN	10D0027	CLP-M

TestAmerica Connecticut
128 Long Hill Cross Road
Shelton, CT 06484

SDG Number: 220-11783

Project: NYSDEC Standby - Columbia Mills
Project Number: 220-11783

Received: 03/27/10
Reported: 04/07/10 11:45

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: NORTH PPRS (RTC1429-04 - Water)						**Sampled: 03/25/10 12:00**		**Recvd: 03/27/10 09:10**		
CLP Metals										
Aluminum	ND		200	39.8	ug/L	1.00	04/01/10 15:20	DAN	10D0027	CLP-M
Antimony	ND		60.0	6.8	ug/L	1.00	04/01/10 15:20	DAN	10D0027	CLP-M
Arsenic	ND		10.0	5.6	ug/L	1.00	04/01/10 15:20	DAN	10D0027	CLP-M
Barium	**105**	J	200	0.3	ug/L	1.00	04/01/10 15:20	DAN	10D0027	CLP-M
Beryllium	ND		5.0	0.2	ug/L	1.00	04/01/10 15:20	DAN	10D0027	CLP-M
Cadmium	ND		5.0	0.3	ug/L	1.00	04/01/10 15:20	DAN	10D0027	CLP-M
Calcium	**70300**		5000	100	ug/L	1.00	04/01/10 15:20	DAN	10D0027	CLP-M
Chromium	ND		10.0	0.9	ug/L	1.00	04/01/10 15:20	DAN	10D0027	CLP-M
Cobalt	ND		50.0	0.6	ug/L	1.00	04/01/10 15:20	DAN	10D0027	CLP-M
Copper	ND		25.0	1.3	ug/L	1.00	04/01/10 15:20	DAN	10D0027	CLP-M
Iron	ND		100	19.3	ug/L	1.00	04/01/10 15:20	DAN	10D0027	CLP-M
Lead	ND		10.0	3.0	ug/L	1.00	04/01/10 15:20	DAN	10D0027	CLP-M
Magnesium	**11600**		5000	43.4	ug/L	1.00	04/01/10 15:20	DAN	10D0027	CLP-M
Manganese	**57.2**	B	15.0	0.2	ug/L	1.00	04/01/10 15:20	DAN	10D0027	CLP-M
Mercury	ND		0.2	0.1	ug/L	1.00	03/30/10 18:08	MXM	10C2246	CLP-M
Nickel	ND		40.0	1.3	ug/L	1.00	04/01/10 15:20	DAN	10D0027	CLP-M
Potassium	**1980**	J	5000	50.0	ug/L	1.00	04/01/10 15:20	DAN	10D0027	CLP-M
Selenium	ND		35.0	8.7	ug/L	1.00	04/01/10 15:20	DAN	10D0027	CLP-M
Silver	ND		10.0	1.2	ug/L	1.00	04/01/10 15:20	DAN	10D0027	CLP-M
Sodium	**12800**		5000	324	ug/L	1.00	04/01/10 15:20	DAN	10D0027	CLP-M
Thallium	ND		25.0	10.2	ug/L	1.00	04/01/10 15:20	DAN	10D0027	CLP-M
Vanadium	**1.7**	J	50.0	1.1	ug/L	1.00	04/01/10 15:20	DAN	10D0027	CLP-M
Zinc	ND		60.0	1.5	ug/L	1.00	04/01/10 15:20	DAN	10D0027	CLP-M

TestAmerica Connecticut
128 Long Hill Cross Road
Shelton, CT 06484

SDG Number: 220-11783

Project: NYSDEC Standby - Columbia Mills
Project Number: 220-11783

Received: 03/27/10
Reported: 04/07/10 11:45

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: SOUTH MH (TANK) (RTC1429-01 - Water)						**Sampled: 03/25/10 10:45**		**Recvd: 03/27/10 09:10**		
CLP Metals										
Aluminum	ND		200	39.8	ug/L	1.00	04/01/10 14:32	DAN	10D0027	CLP-M
Antimony	ND		60.0	6.8	ug/L	1.00	04/01/10 14:32	DAN	10D0027	CLP-M
Arsenic	ND		10.0	5.6	ug/L	1.00	04/01/10 14:32	DAN	10D0027	CLP-M
Barium	**92.7**	J	200	0.3	ug/L	1.00	04/01/10 14:32	DAN	10D0027	CLP-M
Beryllium	ND		5.0	0.2	ug/L	1.00	04/01/10 14:32	DAN	10D0027	CLP-M
Cadmium	ND		5.0	0.3	ug/L	1.00	04/01/10 14:32	DAN	10D0027	CLP-M
Calcium	**34500**		5000	100	ug/L	1.00	04/01/10 14:32	DAN	10D0027	CLP-M
Chromium	ND		10.0	0.9	ug/L	1.00	04/01/10 14:32	DAN	10D0027	CLP-M
Cobalt	ND		50.0	0.6	ug/L	1.00	04/01/10 14:32	DAN	10D0027	CLP-M
Copper	ND		25.0	1.3	ug/L	1.00	04/01/10 14:32	DAN	10D0027	CLP-M
Iron	ND		100	19.3	ug/L	1.00	04/01/10 14:32	DAN	10D0027	CLP-M
Lead	ND		10.0	3.0	ug/L	1.00	04/01/10 14:32	DAN	10D0027	CLP-M
Magnesium	**6830**		5000	43.4	ug/L	1.00	04/01/10 14:32	DAN	10D0027	CLP-M
Manganese	**0.5**	J, B	15.0	0.2	ug/L	1.00	04/01/10 14:32	DAN	10D0027	CLP-M
Mercury	ND		0.2	0.1	ug/L	1.00	03/30/10 17:57	MXM	10C2246	CLP-M
Nickel	ND		40.0	1.3	ug/L	1.00	04/01/10 14:32	DAN	10D0027	CLP-M
Potassium	**5560**		5000	50.0	ug/L	1.00	04/01/10 14:32	DAN	10D0027	CLP-M
Selenium	ND		35.0	8.7	ug/L	1.00	04/01/10 14:32	DAN	10D0027	CLP-M
Silver	ND		10.0	1.2	ug/L	1.00	04/01/10 14:32	DAN	10D0027	CLP-M
Sodium	**37200**		5000	324	ug/L	1.00	04/01/10 14:32	DAN	10D0027	CLP-M
Thallium	ND		25.0	10.2	ug/L	1.00	04/01/10 14:32	DAN	10D0027	CLP-M
Vanadium	ND		50.0	1.1	ug/L	1.00	04/01/10 14:32	DAN	10D0027	CLP-M
Zinc	**2.0**	J	60.0	1.5	ug/L	1.00	04/01/10 14:32	DAN	10D0027	CLP-M

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SDG Number: 220-11783

Project: NYSDEC Standby - Columbia Mills
Project Number: 220-11783

Received: 03/27/10
Reported: 04/07/10 11:45

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Client ID: SOUTH PPRS (RTC1429-03 - Water)						**Sampled: 03/25/10 11:25**		**Recvd: 03/27/10 09:10**		
CLP Metals										
Aluminum	ND		200	39.8	ug/L	1.00	04/01/10 14:42	DAN	10D0027	CLP-M
Antimony	ND		60.0	6.8	ug/L	1.00	04/01/10 14:42	DAN	10D0027	CLP-M
Arsenic	ND		10.0	5.6	ug/L	1.00	04/01/10 14:42	DAN	10D0027	CLP-M
Barium	**110**	J	200	0.3	ug/L	1.00	04/01/10 14:42	DAN	10D0027	CLP-M
Beryllium	ND		5.0	0.2	ug/L	1.00	04/01/10 14:42	DAN	10D0027	CLP-M
Cadmium	ND		5.0	0.3	ug/L	1.00	04/01/10 14:42	DAN	10D0027	CLP-M
Calcium	**74500**		5000	100	ug/L	1.00	04/01/10 14:42	DAN	10D0027	CLP-M
Chromium	ND		10.0	0.9	ug/L	1.00	04/01/10 14:42	DAN	10D0027	CLP-M
Cobalt	**0.6**	J	50.0	0.6	ug/L	1.00	04/01/10 14:42	DAN	10D0027	CLP-M
Copper	ND		25.0	1.3	ug/L	1.00	04/01/10 14:42	DAN	10D0027	CLP-M
Iron	ND		100	19.3	ug/L	1.00	04/01/10 14:42	DAN	10D0027	CLP-M
Lead	ND		10.0	3.0	ug/L	1.00	04/01/10 14:42	DAN	10D0027	CLP-M
Magnesium	**11000**		5000	43.4	ug/L	1.00	04/01/10 14:42	DAN	10D0027	CLP-M
Manganese	**6.9**	J, B	15.0	0.2	ug/L	1.00	04/01/10 14:42	DAN	10D0027	CLP-M
Mercury	ND		0.2	0.1	ug/L	1.00	03/30/10 18:06	MXM	10C2246	CLP-M
Nickel	ND		40.0	1.3	ug/L	1.00	04/01/10 14:42	DAN	10D0027	CLP-M
Potassium	**1170**	J	5000	50.0	ug/L	1.00	04/01/10 14:42	DAN	10D0027	CLP-M
Selenium	ND		35.0	8.7	ug/L	1.00	04/01/10 14:42	DAN	10D0027	CLP-M
Silver	ND		10.0	1.2	ug/L	1.00	04/01/10 14:42	DAN	10D0027	CLP-M
Sodium	**3270**	J	5000	324	ug/L	1.00	04/01/10 14:42	DAN	10D0027	CLP-M
Thallium	ND		25.0	10.2	ug/L	1.00	04/01/10 14:42	DAN	10D0027	CLP-M
Vanadium	ND		50.0	1.1	ug/L	1.00	04/01/10 14:42	DAN	10D0027	CLP-M
Zinc	ND		60.0	1.5	ug/L	1.00	04/01/10 14:42	DAN	10D0027	CLP-M

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SDG Number: 220-11783

Project: NYSDEC Standby - Columbia Mills
Project Number: 220-11783

Received: 03/27/10
Reported: 04/07/10 11:45

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
CLP Metals									
CLP-M	10D0027	RTC1429-01	50.00	mL	50.00	mL	04/01/10 11:10	KCW	CLP Metals Prep (Water)
CLP-M	10D0027	RTC1429-02	50.00	mL	50.00	mL	04/01/10 11:10	KCW	CLP Metals Prep (Water)
CLP-M	10D0027	RTC1429-03	50.00	mL	50.00	mL	04/01/10 11:10	KCW	CLP Metals Prep (Water)
CLP-M	10D0027	RTC1429-04	50.00	mL	50.00	mL	04/01/10 11:10	KCW	CLP Metals Prep (Water)
CLP-M	10C2246	RTC1429-01	30.00	mL	50.00	mL	03/30/10 12:30	MXM	CLP Metals Prep (Water)
CLP-M	10C2246	RTC1429-02	30.00	mL	50.00	mL	03/30/10 12:30	MXM	CLP Metals Prep (Water)
CLP-M	10C2246	RTC1429-03	30.00	mL	50.00	mL	03/30/10 12:30	MXM	CLP Metals Prep (Water)
CLP-M	10C2246	RTC1429-04	30.00	mL	50.00	mL	03/30/10 12:30	MXM	CLP Metals Prep (Water)

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Received: 03/27/10
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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
CLP Metals											
Blank Analyzed: 03/30/10 (Lab Number:10C2246-BLK1, Batch: 10C2246)											
Mercury			0.2	0.1	ug/L	ND					
LCS Analyzed: 03/30/10 (Lab Number:10C2246-BS1, Batch: 10C2246)											
Mercury		6.67	0.2	0.1	ug/L	7.08	106	75-125			
Duplicate Analyzed: 03/30/10 (Lab Number:10C2246-DUP1, Batch: 10C2246)											
QC Source Sample: RTC1429-01											
Mercury	ND		0.2	0.1	ug/L	ND				20	
Matrix Spike Analyzed: 03/30/10 (Lab Number:10C2246-MS1, Batch: 10C2246)											
QC Source Sample: RTC1429-01											
Mercury	ND	1.67	0.2	0.1	ug/L	1.73	104	75-125			
CLP Metals											
Blank Analyzed: 04/01/10 (Lab Number:10D0027-BLK1, Batch: 10D0027)											
Aluminum			200	39.8	ug/L	ND					
Antimony			60.0	6.8	ug/L	ND					
Arsenic			10.0	5.6	ug/L	ND					
Barium			200	0.3	ug/L	ND					
Beryllium			5.0	0.2	ug/L	ND					
Cadmium			5.0	0.3	ug/L	ND					
Calcium			5000	100	ug/L	ND					
Chromium			10.0	0.9	ug/L	ND					
Cobalt			50.0	0.6	ug/L	ND					
Copper			25.0	1.3	ug/L	ND					
Iron			100	19.3	ug/L	ND					
Lead			10.0	3.0	ug/L	ND					
Magnesium			5000	43.4	ug/L	ND					
Manganese			15.0	0.2	ug/L	0.5					B,J
Nickel			40.0	1.3	ug/L	ND					
Potassium			5000	50.0	ug/L	ND					
Selenium			35.0	8.7	ug/L	ND					
Silver			10.0	1.2	ug/L	ND					
Sodium			5000	324	ug/L	ND					
Thallium			25.0	10.2	ug/L	ND					
Vanadium			50.0	1.1	ug/L	ND					
Zinc			60.0	1.5	ug/L	ND					
LCS Analyzed: 04/01/10 (Lab Number:10D0027-BS1, Batch: 10D0027)											

TestAmerica Connecticut
128 Long Hill Cross Road
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SDG Number: 220-11783

Project: NYSDEC Standby - Columbia Mills
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Received: 03/27/10
Reported: 04/07/10 11:45

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
CLP Metals											
LCS Analyzed: 04/01/10 (Lab Number:10D0027-BS1, Batch: 10D0027)											
Aluminum		10000	200	39.8	ug/L	10300	103	75-125			
Antimony		200	60.0	6.8	ug/L	216	108	75-125			
Arsenic		200	10.0	5.6	ug/L	216	108	75-125			
Barium		200	200	0.3	ug/L	205	103	75-125			
Beryllium		200	5.0	0.2	ug/L	212	106	75-125			
Cadmium		200	5.0	0.3	ug/L	205	103	75-125			
Calcium		10000	5000	100	ug/L	10400	104	75-125			
Chromium		200	10.0	0.9	ug/L	210	105	75-125			
Cobalt		200	50.0	0.6	ug/L	210	105	75-125			
Copper		200	25.0	1.3	ug/L	202	101	75-125			
Iron		10000	100	19.3	ug/L	10300	103	75-125			
Lead		200	10.0	3.0	ug/L	209	104	75-125			
Magnesium		10000	5000	43.4	ug/L	10600	106	75-125			
Manganese		200	15.0	0.2	ug/L	208	104	75-125			B
Nickel		200	40.0	1.3	ug/L	208	104	75-125			
Potassium		10000	5000	50.0	ug/L	10400	104	75-125			
Selenium		200	35.0	8.7	ug/L	220	110	75-125			
Silver		50.0	10.0	1.2	ug/L	51.2	102	75-125			
Sodium		10000	5000	324	ug/L	10300	103	75-125			
Thallium		200	25.0	10.2	ug/L	213	106	75-125			
Vanadium		200	50.0	1.1	ug/L	208	104	75-125			
Zinc		200	60.0	1.5	ug/L	207	103	75-125			
Duplicate Analyzed: 04/01/10 (Lab Number:10D0027-DUP1, Batch: 10D0027)											
QC Source Sample: RTC1429-03											
Aluminum	ND		200	39.8	ug/L	ND				20	
Antimony	ND		60.0	6.8	ug/L	ND				20	
Arsenic	ND		10.0	5.6	ug/L	ND				20	
Barium	110		200	0.3	ug/L	110			0.4	20	J
Beryllium	ND		5.0	0.2	ug/L	ND				20	
Cadmium	ND		5.0	0.3	ug/L	ND				20	
Calcium	74500		5000	100	ug/L	75200			0.9	20	
Chromium	ND		10.0	0.9	ug/L	ND				20	
Cobalt	ND		50.0	0.6	ug/L	ND				20	
Copper	ND		25.0	1.3	ug/L	ND				20	
Iron	ND		100	19.3	ug/L	36.2				20	J
Lead	ND		10.0	3.0	ug/L	ND				20	
Magnesium	11000		5000	43.4	ug/L	11100			1	20	

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
CLP Metals											
Duplicate Analyzed: 04/01/10 (Lab Number:10D0027-DUP1, Batch: 10D0027)											
QC Source Sample: RTC1429-03											
Manganese	6.93		15.0	0.2	ug/L	9.49			31	20	R3,J,B
Nickel	ND		40.0	1.3	ug/L	ND				20	
Potassium	1170		5000	50.0	ug/L	1170			0.3	20	J
Selenium	ND		35.0	8.7	ug/L	ND				20	
Silver	ND		10.0	1.2	ug/L	ND				20	
Sodium	3270		5000	324	ug/L	3220			1	20	J
Thallium	ND		25.0	10.2	ug/L	ND				20	
Vanadium	ND		50.0	1.1	ug/L	ND				20	
Zinc	ND		60.0	1.5	ug/L	ND				20	
Matrix Spike Analyzed: 04/01/10 (Lab Number:10D0027-MS1, Batch: 10D0027)											
QC Source Sample: RTC1429-03											
Aluminum	ND	2000	200	39.8	ug/L	2080	104	75-125			
Antimony	ND	100	60.0	6.8	ug/L	104	104	75-125			
Arsenic	ND	40.0	10.0	5.6	ug/L	43.1	108	75-125			
Barium	110	2000	200	0.3	ug/L	2090	99	75-125			
Beryllium	ND	50.0	5.0	0.2	ug/L	50.6	101	75-125			
Cadmium	ND	50.0	5.0	0.3	ug/L	49.9	100	75-125			
Chromium	ND	200	10.0	0.9	ug/L	195	98	75-125			
Cobalt	ND	500	50.0	0.6	ug/L	525	105	75-125			
Copper	ND	250	25.0	1.3	ug/L	247	99	75-125			
Iron	ND	1000	100	19.3	ug/L	1020	102	75-125			
Lead	ND	20.0	10.0	3.0	ug/L	19.5	97	75-125			
Manganese	6.93	500	15.0	0.2	ug/L	509	100	75-125			B
Nickel	ND	500	40.0	1.3	ug/L	500	100	75-125			
Selenium	ND	50.0	35.0	8.7	ug/L	54.2	108	75-125			
Silver	ND	50.0	10.0	1.2	ug/L	47.6	95	75-125			
Thallium	ND	50.0	25.0	10.2	ug/L	49.8	100	75-125			
Vanadium	ND	500	50.0	1.1	ug/L	503	101	75-125			
Zinc	ND	500	60.0	1.5	ug/L	492	98	75-125			

TestAmerica Connecticut
128 Long Hill Cross Road
Shelton, CT 06484
Phone (203) 929-8140 Fax (203) 929-8142

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Dubauskas, Johanna	Carrier Tracking No(s):
Client Contact: Shipping/Receiving	Phone:	E-Mail: johanna.duBauskas@testamericainc.com	COC No: 220-5217.1
Company: TestAmerica Laboratories, Inc.			Page: Page 1 of 1
Address: 10 Hazelwood Drive,	Due Date Requested: 4/7/2010	Analysis Requested	Job #: 220-11783-1
City: Amherst	TAT Requested (days):		
State, Zip: NY, 14228-2298			Preservation Codes:
Phone: 716-691-2600(Tel) 716-691-7991(Fax)	PO #:		A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Z - other (specify)
Email:	WO #:		Other:
Project Name: NYSDEC Standby - Columbia Mills	Project #: 22000762		
Site:	SSOW#:		

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=Water, S=Solid, O=Waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUBCONTRACT TAL MS/LS TAL Metals	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
SOUTH MH (TANK) (220-11783-3)	3/25/10	10:45		Water			X	1	
LEACHATE LINE (220-11783-4)	3/25/10	11:15		Water			X	1	
SOUTH PPRS (220-11783-5)	3/25/10	11:25		Water			X	1	
NORTH PPRS (220-11783-6)	3/25/10	12:00		Water			X	1	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 3/26/10 1347	Company: TA CT	Received by:	Date/Time: 3/27/10 0910	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 2.0

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

WASTE MANAGEMENT CHAIN OF CUSTODY

Internal Use Only: TC

Sampler Name (Print): A. Patrick Recke

Site Name: TRRF

Spec Request: ACA 3053

Site Location: Tullytown PA

Event Name: Quarterly GW

INDICATE PRESERVATIVE BY USING KEY BELOW (OPTIONAL)

INDICATE CONTAINER BY USING KEY BELOW

TA Sample No.	Client Sample ID	Sampling Date	Sampling Time	MATRIX	COMP / GRAB	8260VOA	T-METALS	D-METALS	CHLORIDE/SULFATE/NITRATE Cond (FL/PH, TSS, TDS)	TALK / CARB / BICARB	HARDNESS	NH_3 / COD	TOC	T Phenols					Additional Analysis/Remarks
	TUD18S	3/18/10	1500	W	F	4	1		1	1		1	2	1					
	TUD18D	3/18/10	1555	W	G	4	1		1	1		1	2	1					
	01FD	3/18/10	1625	W	G	4	1		1	1		1	2	1					
	TUD17S	3/18/10	1650	W	G	4	1		1	1		1	2	1					

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
A. Patrick Recke	WMPA	3/18/10	1900		OWSA	3.19.10	0845

Matrix Key
- WW = Wastewater
- W = Water/Groundwater
- S = Solid
- SI = Sludge
- MS = Miscellaneous Solids
- OI = Oil
- A = Air
- O = ______

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other

Preservation Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn Acetate, Cool to 4°
6. Cool to 4°
7. None

COMMENTS
Seal # 620357
Airbill # 8714 6509 5627

Courier: 202.0

Bill of Lading:

TAL-8219 (1108)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

WASTE MANAGEMENT CHAIN OF CUSTODY

Internal Use Only

TC

Sampler Name (Print)	Signature:
A. Patrick Reese	A. Patrick Reese
Site Name: TRRF	Spec Request: AC A 3053
Site Location: Tullytown PA	Event Name: Quarterly GW

TA Sample No.	Client Sample ID	Sampling Date	Sampling Time	MATRIX	COMP / GRAB	8260VOA	T-METALS	D-METALS	CHLORIDE/SULFATE/NITRATE Lab Filt PH, TSS, TDS	ALK / CARB / BICARB	HARDNESS	NH_3 / COD	TOC	T Phenols						
				INDICATE PRESERVATIVE BY USING KEY BELOW (OPTIONAL)																
				INDICATE CONTAINER BY USING KEY BELOW																
	TUD305R	3/18/10	1200	W	G	4	1		1	1		1	2	1						
	TUD12S	3/18/10	1250	W	G	4	1		1	1		1	2	1						
	TUDUP02R2	3/18/10	1325	W	G	4	1		1	1		1	2	1						
	TU15SR	3/18/10	1405	W	G	4	1		1	1		1	2	1						

Additional Analysis/Remarks

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
A. Patrick Reese	WMPA	3/18/10	1900		3 Sons	3-19-10	0845
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

Matrix Key
WW = Wastewater
W = Water/Groundwater
S = Solid
SI = Sludge
MS = Miscellaneous Solids
OI = Oil
A = Air
O = _____

Container Key
1. Plastic
2. VOA Vial
3. Sterile Plastic
4. Amber Glass
5. Widemouth Glass
6. Other

Preservation Key
1. HCl, Cool to 4°
2. H_2SO_4, Cool to 4°
3. HNO_3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn Acetate, Cool to 4°
6. Cool to 4°
7. None

COMMENTS
Seal # 620356
Airbill # 8714 6909 5627

Courier: 202.0

Bill of Lading:

TAL-6219 (1108)

TestAmerica Buffalo
SDG: 220-11783
CLASS: CLP_METALS_SEQ
METHOD: CLP-M

ANALYSES DATA PACKAGE COVER PAGE

CLP-M

Laboratory: TestAmerica Buffalo
SDG: 220-11783
Client: TestAmerica Connecticut
Project: NYSDEC Standby - Columbia Mills

Client Sample Id:	Lab Sample Id:
SOUTH MH (TANK)	RTC1429-01
LEACHATE LINE	RTC1429-02
SOUTH PPRS	RTC1429-03
NORTH PPRS	RTC1429-04

Form 1
INORGANIC ANALYSIS DATA SHEET
CLP-M

SOUTH MH (TANK)

Laboratory: TestAmerica Buffalo | SDG: 220-11783
Client: TestAmerica Connecticut | Project: NYSDEC Standby - Columbia Mills
Matrix: Water | Laboratory ID: RTC1429-01 | File ID: H03300CW-6
Sampled: 03/25/10 10:45 | Prepared: 03/30/10 12:30 | Analyzed: 03/30/10 17:57
Solids: 0.00 | Preparation: CLP Metals Prep (Water | Initial/Final: 30 mL / 50 mL
Batch: 10C2246 | Sequence: T001120 | Calibration: R10C107 | Instrument: Leeman 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	0.2	ug/L	1	U	CLP-M

Form 1

INORGANIC ANALYSIS DATA SHEET

CLP-M

SOUTH MH (TANK)

Laboratory: TestAmerica Buffalo | SDG: 220-11783

Client: TestAmerica Connecticut | Project: NYSDEC Standby - Columbia Mills

Matrix: Water | Laboratory ID: RTC1429-01 | File ID: 1040110-016

Sampled: 03/25/10 10:45 | Prepared: 04/01/10 11:10 | Analyzed: 04/01/10 14:32

Solids: 0.00 | Preparation: CLP Metals Prep (Water | Initial/Final: 50 mL / 50 mL

Batch: 10D0027 | Sequence: T001155 | Calibration: R10D006 | Instrument: Trace 1

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7429-90-5	Aluminum	200	ug/L	1	U	CLP-M
7440-36-0	Antimony	60.0	ug/L	1	U	CLP-M
7440-38-2	Arsenic	10.0	ug/L	1	U	CLP-M
7440-39-3	Barium	92.7	ug/L	1	J	CLP-M
7440-41-7	Beryllium	5.0	ug/L	1	U	CLP-M
7440-43-9	Cadmium	5.0	ug/L	1	U	CLP-M
7440-70-2	Calcium	34500	ug/L	1		CLP-M
7440-47-3	Chromium	10.0	ug/L	1	U	CLP-M
7440-48-4	Cobalt	50.0	ug/L	1	U	CLP-M
7440-50-8	Copper	25.0	ug/L	1	U	CLP-M
7439-89-6	Iron	100	ug/L	1	U	CLP-M
7439-92-1	Lead	10.0	ug/L	1	U	CLP-M
7439-95-4	Magnesium	6830	ug/L	1		CLP-M
7439-96-5	Manganese	0.5	ug/L	1	JB	CLP-M
7440-02-0	Nickel	40.0	ug/L	1	U	CLP-M
7440-09-7	Potassium	5560	ug/L	1		CLP-M
7782-49-2	Selenium	35.0	ug/L	1	U	CLP-M
7440-22-4	Silver	10.0	ug/L	1	U	CLP-M
7440-23-5	Sodium	37200	ug/L	1		CLP-M
7440-28-0	Thallium	25.0	ug/L	1	U	CLP-M
7440-62-2	Vanadium	50.0	ug/L	1	U	CLP-M
7440-66-6	Zinc	2.0	ug/L	1	J	CLP-M

Form 1

INORGANIC ANALYSIS DATA SHEET

CLP-M

LEACHATE LINE

Laboratory: TestAmerica Buffalo
SDG: 220-11783
Client: TestAmerica Connecticut
Project: NYSDEC Standby - Columbia Mills
Matrix: Water
Laboratory ID: RTC1429-02
File ID: H03300CW-10
Sampled: 03/25/10 11:15
Prepared: 03/30/10 12:30
Analyzed: 03/30/10 18:05
Solids: 0.00
Preparation: CLP Metals Prep (Water
Initial/Final: 30 mL / 50 mL
Batch: 10C2246
Sequence: T001120
Calibration: R10C107
Instrument: Leeman 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	0.2	ug/L	1	U	CLP-M

Form 1
INORGANIC ANALYSIS DATA SHEET
CLP-M

LEACHATE LINE

Laboratory: TestAmerica Buffalo | SDG: 220-11783

Client: TestAmerica Connecticut | Project: NYSDEC Standby - Columbia Mills

Matrix: Water | Laboratory ID: RTC1429-02 | File ID: 1040110-017

Sampled: 03/25/10 11:15 | Prepared: 04/01/10 11:10 | Analyzed: 04/01/10 14:37

Solids: 0.00 | Preparation: CLP Metals Prep (Water | Initial/Final: 50 mL / 50 mL

Batch: 10D0027 | Sequence: T001155 | Calibration: R10D006 | Instrument: Trace 1

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7429-90-5	Aluminum	200	ug/L	1	U	CLP-M
7440-36-0	Antimony	60.0	ug/L	1	U	CLP-M
7440-38-2	Arsenic	10.0	ug/L	1	U	CLP-M
7440-39-3	Barium	117	ug/L	1	J	CLP-M
7440-41-7	Beryllium	5.0	ug/L	1	U	CLP-M
7440-43-9	Cadmium	5.0	ug/L	1	U	CLP-M
7440-70-2	Calcium	53300	ug/L	1		CLP-M
7440-47-3	Chromium	10.0	ug/L	1	U	CLP-M
7440-48-4	Cobalt	50.0	ug/L	1	U	CLP-M
7440-50-8	Copper	25.0	ug/L	1	U	CLP-M
7439-89-6	Iron	100	ug/L	1	U	CLP-M
7439-92-1	Lead	10.0	ug/L	1	U	CLP-M
7439-95-4	Magnesium	8570	ug/L	1		CLP-M
7439-96-5	Manganese	14.4	ug/L	1	JB	CLP-M
7440-02-0	Nickel	40.0	ug/L	1	U	CLP-M
7440-09-7	Potassium	1540	ug/L	1	J	CLP-M
7782-49-2	Selenium	35.0	ug/L	1	U	CLP-M
7440-22-4	Silver	10.0	ug/L	1	U	CLP-M
7440-23-5	Sodium	6910	ug/L	1		CLP-M
7440-28-0	Thallium	25.0	ug/L	1	U	CLP-M
7440-62-2	Vanadium	2.7	ug/L	1	J	CLP-M
7440-66-6	Zinc	8.0	ug/L	1	J	CLP-M

Form 1
INORGANIC ANALYSIS DATA SHEET
CLP-M

SOUTH PPRS

Laboratory: TestAmerica Buffalo | SDG: 220-11783

Client: TestAmerica Connecticut | Project: NYSDEC Standby - Columbia Mills

Matrix: Water | Laboratory ID: RTC1429-03 | File ID: H03300CW-11

Sampled: 03/25/10 11:25 | Prepared: 03/30/10 12:30 | Analyzed: 03/30/10 18:06

Solids: 0.00 | Preparation: CLP Metals Prep (Water | Initial/Final: 30 mL / 50 mL

Batch: 10C2246 | Sequence: T001120 | Calibration: R10C107 | Instrument: Leeman 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	0.2	ug/L	1	U	CLP-M

Form 1
INORGANIC ANALYSIS DATA SHEET
CLP-M

SOUTH PPRS

Laboratory: TestAmerica Buffalo | SDG: 220-11783

Client: TestAmerica Connecticut | Project: NYSDEC Standby - Columbia Mills

Matrix: Water | Laboratory ID: RTC1429-03 | File ID: 1040110-018

Sampled: 03/25/10 11:25 | Prepared: 04/01/10 11:10 | Analyzed: 04/01/10 14:42

Solids: 0.00 | Preparation: CLP Metals Prep (Water | Initial/Final: 50 mL / 50 mL

Batch: 10D0027 | Sequence: T001155 | Calibration: R10D006 | Instrument: Trace 1

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7429-90-5	Aluminum	200	ug/L	1	U	CLP-M
7440-36-0	Antimony	60.0	ug/L	1	U	CLP-M
7440-38-2	Arsenic	10.0	ug/L	1	U	CLP-M
7440-39-3	Barium	110	ug/L	1	J	CLP-M
7440-41-7	Beryllium	5.0	ug/L	1	U	CLP-M
7440-43-9	Cadmium	5.0	ug/L	1	U	CLP-M
7440-70-2	Calcium	74500	ug/L	1		CLP-M
7440-47-3	Chromium	10.0	ug/L	1	U	CLP-M
7440-48-4	Cobalt	0.6	ug/L	1	J	CLP-M
7440-50-8	Copper	25.0	ug/L	1	U	CLP-M
7439-89-6	Iron	100	ug/L	1	U	CLP-M
7439-92-1	Lead	10.0	ug/L	1	U	CLP-M
7439-95-4	Magnesium	11000	ug/L	1		CLP-M
7439-96-5	Manganese	6.9	ug/L	1	JB	CLP-M
7440-02-0	Nickel	40.0	ug/L	1	U	CLP-M
7440-09-7	Potassium	1170	ug/L	1	J	CLP-M
7782-49-2	Selenium	35.0	ug/L	1	U	CLP-M
7440-22-4	Silver	10.0	ug/L	1	U	CLP-M
7440-23-5	Sodium	3270	ug/L	1	J	CLP-M
7440-28-0	Thallium	25.0	ug/L	1	U	CLP-M
7440-62-2	Vanadium	50.0	ug/L	1	U	CLP-M
7440-66-6	Zinc	60.0	ug/L	1	U	CLP-M

Form 1
INORGANIC ANALYSIS DATA SHEET
CLP-M

NORTH PPRS

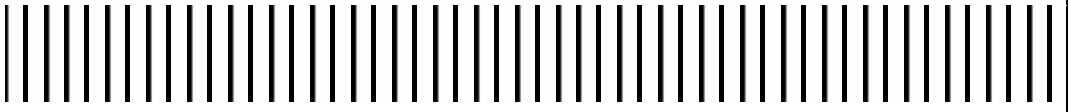
Laboratory: TestAmerica Buffalo
SDG: 220-11783
Client: TestAmerica Connecticut
Project: NYSDEC Standby - Columbia Mills
Matrix: Water
Laboratory ID: RTC1429-04
File ID: H03300CW-12
Sampled: 03/25/10 12:00
Prepared: 03/30/10 12:30
Analyzed: 03/30/10 18:08
Solids: 0.00
Preparation: CLP Metals Prep (Water
Initial/Final: 30 mL / 50 mL
Batch: 10C2246
Sequence: T001120
Calibration: R10C107
Instrument: Leeman 2

CAS NO.	Analyte	Concentration	Units	Dilution Factor	Q	Method
7439-97-6	Mercury	0.2	ug/L	1	U	CLP-M

New York State Department of Environmental Conservation
Columbia Mills Site Annual Groundwater Monitoring Report

Appendix B

Groundwater Level Data Form



0266363 / ALB

MALCOLM PIRNIE

GROUNDWATER LEVEL DATA FORM

PROJECT NAME: Columbia Mills
PROJECT NUMBER: 0266363

DATE: 3/25/2010
PERSONNEL: E. Moskal
G. Barret (Aztech)

WELL ID	Date	Time	Headspace VOC ppm	Depth to Water (feet)	Total Depth (feet)	Reference Point
MW-1S	3/24/2010	7:30 - 9:30	0.0	2.98	16.70	TOC
MW-1D	3/24/2010	7:30 - 9:30	0.0	0.67	28.00	TOC
MW-2S	3/24/2010	7:30 - 9:30	0.0	9.43	17.41	TOC
MW-2D	3/24/2010	7:30 - 9:30	0.0	9.19	27.38	TOC
MW-3S	3/24/2010	7:30 - 9:30	0.0	5.94	17.59	TOC
MW-3D	3/24/2010	7:30 - 9:30	0.0	20.78	26.49	TOC
MW-4S	3/24/2010	7:30 - 9:30	0.0	8.41	14.10	TOC
MW-4D	3/24/2010	7:30 - 9:30	0.0	10.17	27.05	TOC
LFP-1	3/24/2010	7:30 - 9:30	54.4	18.00	20.68	TOC
LFP-2	3/24/2010	7:30 - 9:30	0.0	13.12	NM	TOC
LFP-3	3/24/2010	7:30 - 9:30	0.2	13.85	17.05	TOC
LFP-4	3/24/2010	7:30 - 9:30	0.0	13.28	14.78	TOC
LFP-5	3/24/2010	7:30 - 9:30	0.0	16.61	22.53	TOC
LFP-6	3/24/2010	7:30 - 9:30	0.0	12.40	19.72	TOC
LFP-7	3/24/2010	7:30 - 9:30	10.1	Dry (damaged)	6.80	TOC
LFP-8	3/24/2010	7:30 - 9:30	0.0	12.39	14.92	TOC
LFP-9	3/24/2010	7:30 - 9:30	0.0	17.79	18.60	TOC
LFP-10	3/24/2010	7:30 - 9:30	0.0	14.81	15.65	TOC
LFP-11	3/24/2010	7:30 - 9:30	34.2	22.41	24.93	TOC
LFP-12	3/24/2010	7:30 - 9:30	1.7	Dry	22.42	TOC
LFP-13	3/24/2010	7:30 - 9:30	0.0	5.48	7.73	TOC
LFP-14	3/24/2010	7:30 - 9:30	0.0	25.49	30.98	TOC

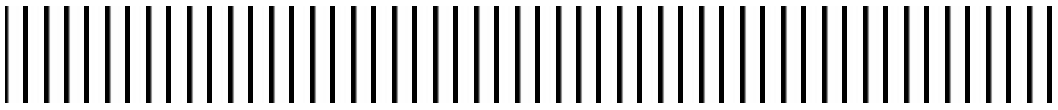
Notes:

Total depths from 2009 sampling event.

New York State Department of Environmental Conservation
Columbia Mills Site Annual Groundwater Monitoring Report

Appendix C

Groundwater Sampling Purge Logs



0266363 / ALB

MALCOLM PIRNIE

LOW FLOW SAMPLING PURGE LOG

WELL NUMBER: MW-1S DATE: 3/24/2010

PROJECT NAME: Columbia Mills
PROJECT NUMBER: 0266363
SAMPLERS: E. Moskal & G. Barret

A: Total Casing and Screen Length:

B: Casing Internal Diameter: 2-inch

C: Water Level Below Top of Casing: 2.89

PARAMETER	ACCUMULATED VOLUME PURGED											
Time	1438	1443	1448	1453	1458	1503	1508	1513				
Gallons	0							4.5				
Depth to Water												
pH	7.24	7.29	7.36	7.39	7.40	7.42	7.43	7.43				
Conductivity (mohm/cm)	0.344	0.339	0.336	0.336	0.336	0.336	0.336	0.335				
Turbidity (ntu)	>999	780	108	60.1	51.1	37.6	30.1	29.8				
Dissolved Oxygen (mg/l)	0.47	2.89	0.00	0.00	0.00	0.00	0.00	0.00				
Temperature (^{o}C)	7.26	7.11	6.98	6.98	6.93	6.96	6.98	6.99				
Salinity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
TDS	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22				
Redox (mV)	-118	-105	-109	-120	-125	-128	-131	-133				

Notes: Collected sample at 1515, purged approximately 4.5 gallons.

LOW FLOW SAMPLING PURGE LOG

WELL NUMBER: MW-1D DATE: 3/24/2010

PROJECT NAME: Columbia Mills
PROJECT NUMBER: 0266363
SAMPLERS: E. Moskal & G. Barret

A: Total Casing and Screen Length:

B: Casing Internal Diameter: 2-inch

C: Water Level Below Top of Casing: 0.67

PARAMETER	ACCUMULATED VOLUME PURGED											
Time	1440	1445	1450	1455	1500	1505	1510	1515	1520			
Gallons	0								4			
Depth to Water	1.3	1.4	1.53	1.57	16.61	16.80	1.71	1.75	1.78			
pH	6.91	7.32	8.49	8.45	8.38	8.24	8.12	8.07	8.05			
Conductivity (mohm/cm)	0.427	0.423	0.409	0.381	0.376	0.367	0.36	0.357	0.358			
Turbidity (ntu)	58.7	58	54.1	54.6	54.5	54.8	55.1	55.4	55.1			
Dissolved Oxygen (mg/l)	3.46	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
Temperature (^{o}C)	9.53	9.31	9.16	9.11	9.14	0.913	9.18	9.05	9.11			
Salinity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
TDS	0.28	0.27	0.27	0.25	0.24	0.24	0.24	0.23	0.23			
Redox (mV)	26	-23	-149	-154	-149	-149	-147	-148	-148			

Notes: Collected sample at 1525, purged approximately 4 gallons.

LOW FLOW SAMPLING PURGE LOG

WELL NUMBER: MW-2S DATE: 3/24/2010

PROJECT NAME: Columbia Mills
PROJECT NUMBER: 0266363
SAMPLERS: E. Moskal & G. Barret

A: Total Casing and Screen Length:

B: Casing Internal Diameter: 2-inch

C: Water Level Below Top of Casing: 9.43

PARAMETER	ACCUMULATED VOLUME PURGED											
Time	1115	1120	1125	1130	1135	1140						
Gallons	0					2.5						
Depth to Water	10.26	10.82	11.7	12.32	12.87	12.95						
pH	6.79	6.54	6.32	6.22	6.16	6.14						
Conductivity (mohm/cm)	0.442	0.438	0.437	0.439	0.441	0.444						
Turbidity (ntu)	628	152	81.6	72.5	76.6	76.9						
Dissolved Oxygen (mg/l)	13.59	8.11	6.91	6.48	6.13	5.83						
Temperature (^{o}C)	6.83	6.53	6.34	6.21	6.24	6.27						
Salinity	0.00	0.00	0.00	0.00	0.00	0.00						
TDS	0.29	0.28	0.28	0.29	0.29	0.29						
Redox (mV)	235	234	235	237	238	239						

Notes: Collected sample at 1150, purged approximately 2.5 gallons.

LOW FLOW SAMPLING PURGE LOG

WELL NUMBER: MW-2D DATE: 3/24/2010

PROJECT NAME: Columbia Mills
PROJECT NUMBER: 0266363
SAMPLERS: E. Moskal & G. Barret

A: Total Casing and Screen Length:

B: Casing Internal Diameter: 2-inch

C: Water Level Below Top of Casing: 9.19

PARAMETER	ACCUMULATED VOLUME PURGED											
Time	1115	1120	1125	1130	1135	1140	1145	1150	1155	1200	1205	
Gallons	0						2.5				5.5	
Depth to Water												
pH	7.67	7.40	7.40	7.40	7.40	7.38	7.38	7.40	7.41	7.42	7.42	
Conductivity (mohm/cm)	0.401	0.394	0.393	0.393	0.393	0.394	0.396	0.393	0.391	0.389	0.389	
Turbidity (ntu)	52.9	48.3	39.6	25.8	20.8	16.7	17.8	18.2	21.4	18.1	15.9	
Dissolved Oxygen (mg/l)	6.74	3.89	3.57	3.39	3.11	2.81	1.57	1.02	0.97	0.96	0.95	
Temperature (^{o}C)	7.65	6.97	6.91	6.8	6.96	7.09	7.23	7.35	7.48	7.49	7.49	
Salinity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
TDS	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.25	0.25	0.25	
Redox (mV)	168	163	160	157	156	156	156	156	154	152	152	

Notes: Collected sample at 1210, purged approximately 5.5 gallons.

LOW FLOW SAMPLING PURGE LOG

WELL NUMBER: MW-3S DATE: 3/24/2010

PROJECT NAME: Columbia Mills
PROJECT NUMBER: 0266363
SAMPLERS: E. Moskal & G. Barret

A: Total Casing and Screen Length:

B: Casing Internal Diameter: 2-inch

C: Water Level Below Top of Casing: 5.94

PARAMETER	ACCUMULATED VOLUME PURGED											
Time	1018	1023	1028	1033	1038	1043						
Gallons	0					2.5						
Depth to Water	5.94					17.21						
pH	6.17	7.43	7.81	7.92	7.88	7.89						
Conductivity (mohm/cm)	0.685	0.611	0.578	0.571	0.566	0.565						
Turbidity (ntu)	36.9	28.2	4.2	7.2	7.7	9.1						
Dissolved Oxygen (mg/l)	13.61	11.36	10.87	10.63	9.96	9.83						
Temperature (^{o}C)	6.85	6.21	6.01	6.07	6.24	6.45						
Salinity	0.00	0.00	0.00	0.00	0.00	0.00						
TDS	0.42	0.39	0.37	0.37	0.36	0.36						
Redox (mV)	219	206	193	183	180	176						

Notes: Purged well dry at 1047. Well was sampled on 3/25/10 at 920.

LOW FLOW SAMPLING PURGE LOG

WELL NUMBER: MW-3S DATE: 3/24/2010

PROJECT NAME: Columbia Mills
PROJECT NUMBER: 0266363
SAMPLERS: E. Moskal & G. Barret

A: Total Casing and Screen Length:

B: Casing Internal Diameter: 2-inch

C: Water Level Below Top of Casing: 20.78

PARAMETER	ACCUMULATED VOLUME PURGED											
Time	1025	1030	1035	1040	1045	1050						
Gallons	0					2						
Depth to Water	22	22.6	23.22	23.85	24.6							
pH	5.33	5.83	6.07	6.22	6.34	6.41						
Conductivity (mohm/cm)	0.902	0.757	0.705	0.676	0.656	0.639						
Turbidity (ntu)	59.1	44.7	73.1	78.2	79.6	71.2						
Dissolved Oxygen (mg/l)	8.08	6.64	8.19	8.13	7.59	6.45						
Temperature (^{o}C)	8.39	8.35	8.41	8.45	8.57	8.7						
Salinity	0.00	0.00	0.00	0.00	0.00	0.00						
TDS	0.57	0.48	0.45	0.43	0.42	0.41						
Redox (mV)	245	231	226	223	219	215						

Notes: Purged well dry at 1050. Well was sampled on 3/25/10 at 930.

LOW FLOW SAMPLING PURGE LOG

WELL NUMBER: MW-4S DATE: 3/24/2010

PROJECT NAME: Columbia Mills
PROJECT NUMBER: 0266363
SAMPLERS: E. Moskal & G. Barret

A: Total Casing and Screen Length:

B: Casing Internal Diameter: 2-inch

C: Water Level Below Top of Casing: 8.41

PARAMETER	ACCUMULATED VOLUME PURGED											
Time	1320	1325	1330	1335	1340	1345	1350	1355	1400			
Gallons	0					2.5			4.5			
Depth to Water	8.41											
pH	7.55	7.07	6.96	6.92	6.88	6.85	6.84	6.83	6.83			
Conductivity (mohm/cm)	0.456	0.448	0.435	0.424	0.418	0.41	0.404	0.401	0.399			
Turbidity (ntu)	60.8	40.1	18.5	16.6	5.2	2.2	0.7	0.1	0.1			
Dissolved Oxygen (mg/l)	8.47	3.12	0.4	0.0	0.0	0.0	0.0	0.0	0.0			
Temperature (^{o}C)	7.32	6.31	6.37	6.42	6.42	6.45	6.48	6.44	6.43			
Salinity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
TDS	0.29	0.29	0.29	0.28	0.27	0.27	0.27	0.27	0.27			
Redox (mV)	161	-13	-50	-52	-58	-59	-58	-58	-57			

Notes: Collected sample at 1405, purged approximately 4.5 gallons.

LOW FLOW SAMPLING PURGE LOG

WELL NUMBER: MW-4D DATE: 3/24/2010

PROJECT NAME: Columbia Mills
PROJECT NUMBER: 0266363
SAMPLERS: E. Moskal & G. Barret

A: Total Casing and Screen Length:

B: Casing Internal Diameter: 2-inch

C: Water Level Below Top of Casing: 10.17

PARAMETER	ACCUMULATED VOLUME PURGED											
Time	1320	1325	1330	1335	1340	1345	1350	1355	1400	1405	1410	
Gallons	0					2.5					5	
Depth to Water	11.04	11.24	11.41	11.47	11.52	11.54	11.57	11.40	11.40	11.40	11.40	
pH	5.98	6.29	8.68	9.07	8.85	8.74	8.66	8.57	8.52	8.45	8.45	
Conductivity (mohm/cm)	0.623	0.596	0.581	0.57	0.543	0.528	0.526	0.519	0.517	0.514	0.511	
Turbidity (ntu)	125	156	80.2	88.7	54	55	49.7	48.6	47.8	48.4	46.9	
Dissolved Oxygen (mg/l)	9.13	5.16	4.02	2.91	2.27	2.09	1.74	1.84	1.56	1.66	1.63	
Temperature (^{o}C)	8.36	8.22	8.22	8.21	8.23	8.28	8.3	8.27	8.3	8.3	8.3	
Salinity	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
TDS	0.40	0.38	0.37	0.37	0.35	0.34	0.34	0.33	0.33	0.33	0.33	
Redox (mV)	238	223	-128	-151	-146	-146	-147	-149	-149	-152	-153	

Notes: Collected sample at 1415, purged approximately 5 gallons.