

2007 MONITORING EVENT REPORT

**ORANGE COUNTY LANDFILL
ENVIRONMENTAL
MONITORING
PROGRAM**

*ORANGE COUNTY DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENVIRONMENTAL FACILITIES & SERVICES
GOSHEN, NEW YORK
SITE REGISTRY ID No. 3-36-007*

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**Orange County Landfill
Environmental Monitoring Program
2007 Monitoring Event**

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
1. INTRODUCTION	1
2. METHODOLOGY	2
2.1 Sample Collection and Analysis.....	2
2.2 Data Evaluation	3
3. 2007 ENVIRONMENTAL MONITORING RESULTS	5
3.1 Groundwater.....	5
3.2 Surface Water	7
3.3 Leachate Manhole	7
3.4 Conclusions.....	8

LIST OF FIGURES

Figure 1 Orange County Landfill - Environmental Monitoring Location Plan

LIST OF TABLES

Table 1	Monitoring Well Construction Data
Table 2	Monitoring Well Water Elevations
Table 3	Groundwater Analytical Data
Table 4	Surface Water Analytical Data
Table 5	Manhole Analytical Data
Table 6	Shallow Upgradient Groundwater – Statistical Analysis
Table 7	Shallow Groundwater Data Comparison with upper confidence level for the average
Table 8	Deep Upgradient Groundwater – Statistical Analysis
Table 9	Deep Groundwater Data Comparison with upper confidence level for the average
Table 10	Upstream/Downstream Surface Water Quality – Statistical Analysis Results and Comparison
Table 11	Historical Groundwater Analytical Data – Water Quality Parameters (Existing Area)
Table 12	Historical Groundwater Analytical Data – Metal Parameters (Existing Area)
Table 13	Historical Groundwater Analytical Data – Water Quality Parameters (Expansion Area)
Table 14	Historical Groundwater Analytical Data – Metal Parameters (Expansion Area)
Table 15	Historical Surface Water Analytical Data – Inorganic Parameters
Table 16	Historical Surface Water Analytical Data – Metal Parameters
Table 17	Historical Leachate Analytical Results

LIST OF APPENDICES

Appendix A	Laboratory Analytical Results
Appendix B	Chain of Custody Sheets / Groundwater Sampling Field Log Sheets
Appendix C	Groundwater Contour Map
Appendix D	Isopleth Concentration Maps

1.0 INTRODUCTION

In accordance with the 6 NYCRR Part 360 Solid Waste Management Facility regulations, Post-Closure environmental monitoring is conducted at the Orange County Landfill. The Orange County Landfill is located off Route 17M in the Town of Goshen, Orange County, New York on a 300-acre parcel owned by the County. The landfill is approximately three miles west of the Village of Goshen and is located between the Wallkill River (Cheechunk Canal) and the abandoned channel of the Old Wallkill River and covers approximately 75 acres of the entire site.

Orange County and the New York State Department of Environmental Conservation (NYSDEC) agreed on a Long Term Post-Closure Monitoring Program for the site in April 2000. The Long Term Post-Closure Monitoring Program required the completion of quarterly monitoring at 33 locations on and around the landfill as well as the preparation of quarterly monitoring reports for submittal to the New York State Department of Environmental Conservation (NYSDEC).

As part of the 2002 Monitoring Program, C&S prepared a variance request to the NYSDEC to reduce the frequency of monitoring required at the landfill. In December 2002, that variance was approved by the NYSDEC. As discussed in the NYSDEC Variance Approval letter, monitoring at the landfill will be completed once every fifth quarter for baseline parameters. Monitoring during the 2007 Program was completed in December 2007. The results of the 2007 Post-Closure Monitoring Program are described in this report.

This Report was prepared for the Orange County Department of Public Works, Division of Environmental Facilities & Services by C&S Engineers, Inc., and documents the activities and results of the 2007 monitoring event for the Landfill. The report is based upon the analytical results of groundwater, surface water, and leachate samples collected on December 18th and December 19, 2007. Life Science Laboratories, Inc. (LSL) under contract to C&S, performed the actual collection and analysis of the samples.

2.0 METHODOLOGY

As part of the 2007 monitoring event, groundwater samples were collected from monitoring wells and piezometers installed near the Landfill, surface water samples were collected from the Cheechunk Canal of the Wallkill River, and leachate samples were collected from sampling locations MH-7 and MH-15 (see Figure 1).

2.1 SAMPLE COLLECTION AND ANALYSIS

The monitoring program involves the collection and analysis of samples in accordance with 6 NYCRR 360-2.11(c)(6), Water Quality Analysis Baseline Parameters. As part of the 2007 monitoring event, groundwater, surface water, and leachate samples were collected and analyzed for baseline list parameters by Life Science Laboratories, Inc., (LSL), a New York State Department of Health (NYSDOH) certified lab. Samples were collected and handled in accordance with NYSDEC, NYSDOH, or other applicable protocols. In an effort to better characterize potential leachate impacts to the local groundwaters, the Orange County Department of Public Works, Division of Environmental Facilities & Services previously authorized the collection of groundwater samples for soluble metals analysis in addition to total metal analysis. For those wells with a turbidity of greater than 50 NTU, LSL collected additional groundwater samples for subsequent filtering (immediately upon sample delivery) and soluble metals analysis at the laboratory. A copy of the laboratory analytical results is presented within Appendix A. The sample chain-of-custody documentation is presented within Appendix B.

A sample of the groundwater within each monitoring well was analyzed in the field for pH, temperature, Eh, turbidity, and conductivity. The amount of water removed from each well was recorded on the groundwater sampling field log sheets included in Appendix B. After evacuation, each well was allowed to recharge and the appropriate sample volume was collected within 24 hours of well purging. Unfiltered samples were collected in appropriate containers, preserved according to method protocol, and placed in coolers for transport to the laboratory.

Groundwater samples were collected from the following 23 groundwater monitoring wells and 2 piezometers:

PZ-1A	MW-303S/D
PZ-11	MW-304S/D/VS
MW-3B	MW-312S
MW-207SA/D	MW-230S/D
MW-220	MW-232S
MW-221S/D	MW-233S
MW-222	MW-234S/D
MW-223S/D	MW-245S/D

Surface water samples were collected from four locations designated as SW-3 and SW-13 (upstream Cheechunk Canal monitoring locations), SW-5 and SW-8 (downstream Cheechunk Canal monitoring locations), as shown in Figure 1. Leachate samples were collected from Manhole 7 (MH-7) and Manhole 15 (MH-15) and analyzed for baseline parameters.

2.2 DATA EVALUATION

Analytical results from the analysis of the groundwater and surface water samples were compared to applicable NYSDEC Class GA Groundwater Quality Standards and Guidance Values and Class C Surface Water Quality Standards, respectively.

A statistical analysis of shallow and deep upgradient monitoring wells was performed (using standard Microsoft Excel™ statistical analysis functions) on historical analytical data for selected parameters. The results for the selected monitoring wells/piezometers are individual datum from the most recent monitoring event completed in December 2007. The parameters were selected on the basis of data usability, frequency of sampling, the ability to indicate representative concentrations, and the ability to indicate the presence of landfill leachate. More specifically, the parameters used for this statistical analysis include alkalinity, chloride, hardness, conductance, phenols, TDS, sulfate, TOC, calcium, iron, magnesium, manganese, potassium, and sodium. Confidence intervals (99 percentile) were calculated from historical data from the upgradient wells.

To further assist in the interpretation of groundwater quality data, groundwater concentration isopleth maps for selected parameters (TOC, alkalinity, ammonia, chloride, COD, TKN, phenolics, TDS, sulfate, arsenic, barium, iron, lead, magnesium, manganese, potassium, and sodium) have been completed using *Surfer 8 Contouring and 3D Surface Mapping for Scientists and Engineers*, Golden Software, Inc.

The parameters used were selected based on data usability, frequency of sampling, frequency of detection, the ability to indicate representative concentrations, and the ability to reveal leachate influences. The data used for completion of the isopleth maps were the most recent analytical results for shallow groundwater monitoring wells sampled in December 2007.

3.0 2007 ENVIRONMENTAL MONITORING RESULTS

3.1 GROUNDWATER

Water depths in each of the monitoring wells were measured prior to the completion of well evacuation. The depths were determined by measuring the distance from the top of the PVC riser pipe to the water in the pipe. The groundwater elevations were then determined by subtracting the water depths from the surveyed elevation of the top of the corresponding PVC riser pipe and entered into the historical water level database presented in Table 2. It should be noted that all monitoring wells were resurveyed in 2003/2004 for both location and elevation. The surveyed elevation of the top of PVC riser pipes, included in Table 2, has been updated to reflect the most recent survey information.

With regard to the flow direction of groundwater, it is expected that shallow groundwater moves in a general west-to-east flow direction as indicated in previous reports. Appendix C includes a groundwater contour map for the Orange County Landfill. This contour map was prepared using *Surfer 8 Contouring and 3D Surface Mapping for Scientists and Engineers*, Golden Software, Inc.

The groundwater analytical data were compared to applicable NYSDEC Class GA groundwater standards and guidance values (as given in NYSDEC TOGS 1.1.1, June 2004) and are summarized in Table 3. Parameters that were detected at concentrations above standards or guidance values are shown in Table 3 with a shaded box around the value. Consistent with the results of previous post-closure monitoring, the results indicate that the groundwater near the landfill is characterized by elevated concentrations of TDS, iron, selenium, and manganese. In addition, ammonia, nitrate, phenols, arsenic, magnesium, lead, and sodium, exceeded applicable Class GA groundwater standards in one or more of the monitoring wells. The greatest number of exceedences of Class GA Standards or Guidance Values at the site and the highest values at the site were in wells MW-207SA and MW-222, respectively. In general, concurrent soluble metal analysis of the collected groundwater samples revealed that where elevated total iron, total magnesium and/or total manganese concentrations were identified, elevated concentrations of soluble iron, soluble magnesium and/or soluble manganese were also often identified. It should be noted that there were no volatile organic compounds detected above Class GA Standards or Guidance Values in any of the groundwater samples collected.

Tables 9 and 10 summarize the historical inorganic and metal data for groundwater monitoring wells near the Existing Landfill. Tables 11 and 12 summarize the historical inorganic and metal data for groundwater monitoring wells near the previously planned Landfill Expansion Areas.

Tables 5 and 7 present historical and statistical data for upgradient groundwater from shallow and deep wells, respectively. A comparison of this quarter's data with the calculated upper confidence level for the average is included in Tables 6 and 8. The upper confidence level for the average is based on the mean plus the 99% confidence interval. The 99% confidence interval is calculated from the standard deviation. Parameters that were detected at concentrations above the *upper confidence level for the average* are shown in Tables 6 and 8 with a shaded box around the value. It should be noted that the results for the selected monitoring wells/piezometers are individual datum from the December 2007 monitoring event.

To further assist in the interpretation of groundwater quality data, groundwater concentration isopleth maps for parameters including TOC, alkalinity, ammonia, chloride, COD, TKN, phenolics, TDS, sulfate, arsenic, barium, iron, lead, magnesium, manganese, potassium, and sodium have been completed using *Surfer 8 Contouring and 3D Surface Mapping for Scientists and Engineers*, Golden Software, Inc. As previously mentioned, the parameters used were selected based on data usability, frequency of sampling, frequency of detection, the ability to indicate representative concentrations, and the ability to reveal leachate influences. The data used for completion of the isopleth maps were the most recent analytical results for shallow groundwater monitoring wells sampled in December 2007. These maps are presented in Appendix D. The following table summarizes information based on the results of the isopleth maps:

TOC	MW-222
Alkalinity	MW-222
Ammonia	MW-222
Chloride	MW-304S/D/VS
COD	MW-304S/D/VS
TKN	MW-222
Phenolics	MW-303S/D
TDS	MW-304S/D/VS
Sulfate	PZ-1A
Arsenic	MW-232S
Barium	MW-207SA
Iron	MW-230S/D
Lead	MW-230S/D
Magnesium	MW-222
Manganese	MW-312S
Potassium	MW-222
Sodium	MW-304S/D/VS

3.2 SURFACE WATER

The analytical data for the site surface waters are presented in Table 4. A shaded box surrounding the data value indicates those parameter values that exceeded standards or guidance values. The surface water samples collected from surface water monitoring locations SW-3, SW-5, SW-8, and SW-13 exceeded the 0.1 mg/l Class C surface water standard for total aluminum (0.12 mg/l, 0.13 mg/l, 0.12 mg/l and 0.15mg/l respectively), the 0.3 mg/l Class C surface water standard for total iron (0.36 mg/l, 0.35 mg/l, 0.34 mg/l, and 0.37 mg/l) and the 0.0046 mg/l Class C water standard for total selenium (0.085 mg/l, 0.077 mg/l, 0.079 mg/l, and 0.082 mg/l). There were no volatile organic compounds detected above method detection limits in any of the surface water samples collected.

The historical data from SW-3 and SW-13 were statistically analyzed to identify the relative background water quality of the upstream surface water. The results of the analysis of upstream (background) surface water quality are presented in Table 10. The downstream surface water samples collected from sampling points SW-5 and SW-8 exceeded background conditions for chloride, nitrate, and sodium.

The water quality data for the recently collected upstream and downstream surface water samples did not reveal obvious or significant differences in the parameter concentrations detected. Tables 15 and 16 summarize the historical inorganic and metals analytical data for the surface water samples collected at upstream and downstream locations. The results of the 2007 monitoring event and other data comparisons indicate that the water quality of the local surface waters are apparently influenced minimally by the Orange County Landfill.

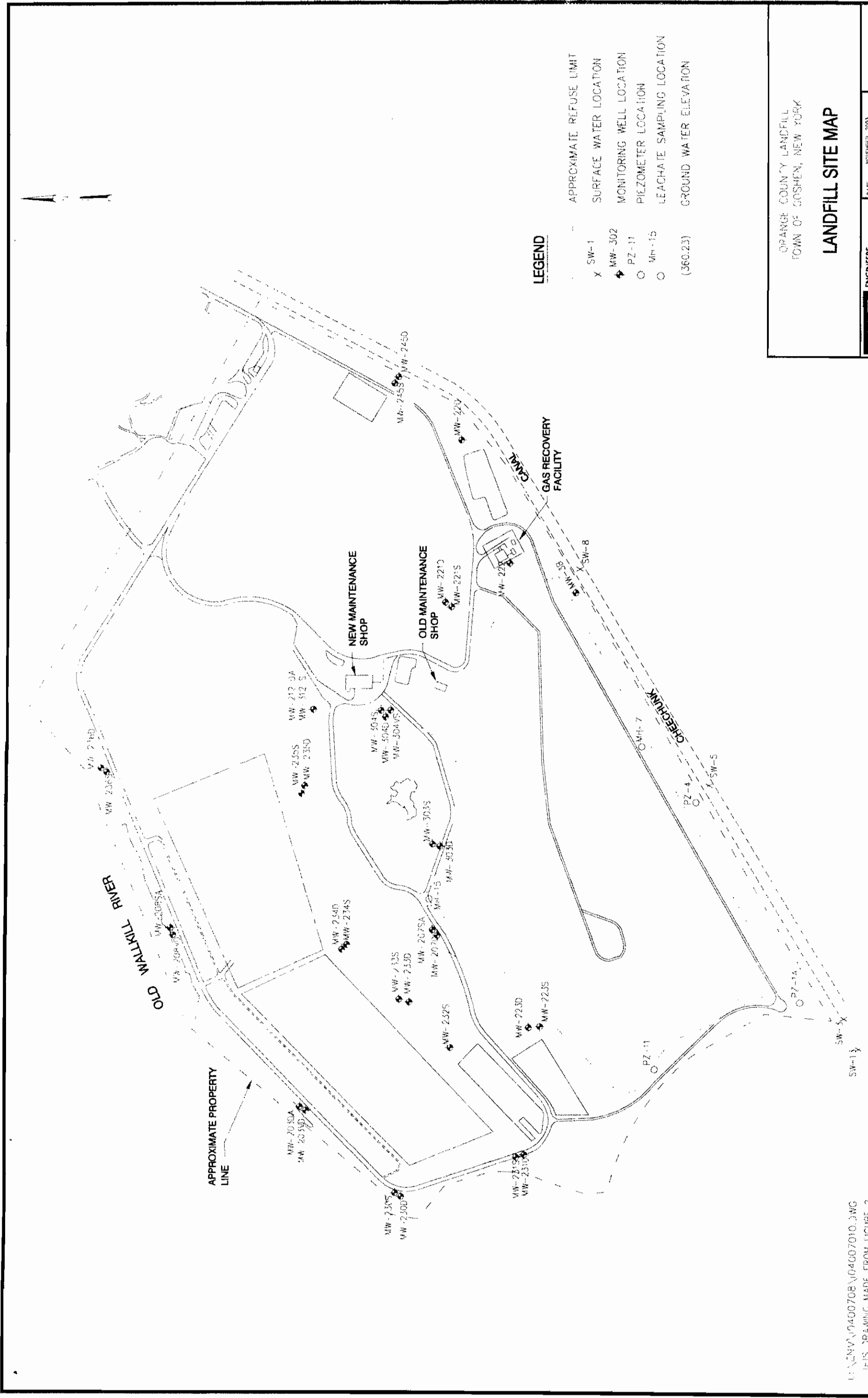
3.3 LEACHATE MANHOLES

During the 2007 monitoring event, a leachate sample was collected from manhole 7 (MH-7) and manhole 15 (MH-15) and analyzed for baseline parameters. As shown in Table 5, the leachate samples collected from MH-7 and MH-15 were generally characterized by detectable to elevated concentrations of TOC, alkalinity, ammonia, BOD₅, chloride, COD, hardness, TKN, TDS, bromide, arsenic, calcium, boron, chromium, cobalt, iron, magnesium, manganese, nickel, potassium, sodium, acetone, 1,4-dichlorobenzene, benzene, chlorobenzene, and chloroethane. Table 14 summarizes the historical inorganic and metals analytical data for the leachate samples collected from sampling locations MH-7 and MH-15.

3.4 CONCLUSIONS

In general, the results of the 2007 monitoring event were consistent with historical conditions at the landfill. Based on the fifth quarter monitoring schedule, the next monitoring event at the landfill should be completed in 2009 for baseline parameters.

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LEGEND

- SW-1 APPROXIMATE REFUSE LIMIT
- MW-302 SURFACE WATER LOCATION
- PZ-11 MONITORING WELL LOCATION
- MW-15 PIEZOMETER LOCATION
- (360.23) LEACHATE SAMPLING LOCATION
- GROUND WATER ELEVATION

ORANGE COUNTY LANDFILL
TOWN OF GOSHEN, NEW YORK

LANDFILL SITE MAP

C S

ENGINEERS

DATE NOVEMBER, 2003

SCALE 1" = 500' APPROX

FILE NO 104-007-01

FIGURE 1

TABLE 1 - MONITORING WELL CONSTRUCTION DATA

Monitoring Well	Installation Date	Well Depth	Screen Length	Ground Elevation	Top of PVC Riser	Unit Screened
PZ-1A	n/a	n/a	n/a	n/a	385.28	n/a
PZ-4	7/15/83	60	10	n/a	382.34	Sand/Gravel
PZ-11	n/a	n/a	n/a	n/a	390.41	n/a
MW-3B	n/a	n/a	n/a	n/a	386.43	n/a
MW-207 SA	n/a	n/a	n/a	n/a	389.74	Sand/Gravel
MW-207 D	8/21/87	59	10	n/a	390.92	Sand/Gravel
MW-220	8/6/87	30	10	n/a	378.94	Sand/Gravel
MW-221 S	7/10/87	25	10	378.03	381.44	Sand/Gravel
MW-221 D	8/4/87	54	10	378.25	381.29	Bedrock
MW-222	8/31/87	32	10	n/a	382.49	Sand/Gravel
MW-223S	9/3/1987	66.2	2	n/a	389.25	Sand/Gravel
MW-223D	8/19/1987	88.5	7	n/a	389.36	Sand/Gravel
MW-230 S	8/16/89	68.6	5	382.91	385.60	Sand/Gravel
MW-230 D	8/30/89	139.5	5	383.07	385.51	Bedrock
MW-232S	8/31/1989	25.5	10	385.81	388.64	Sand/Gravel
MW-233S	10/18/1990	19	10	387.34	389.29	Sand/Gravel
MW-234 S	8/29/89	41.8	8	387.32	390.63	Sand/Gravel
MW-234 D	8/3/89	86	5	387.87	390.10	Bedrock
MW-235S	9/11/1989	44.5	10	385.54	388.04	Sand/Gravel
MW-235D	9/1/1989	83.6	5	385.4	393.74	Bedrock
MW-245 S	10/26/89	47	10	388.16	391.13	Sand/Gravel
MW-245 D	10/25/89	81	5	388.08	391.08	Bedrock
MW-303D	n/a	74.54	n/a	n/a	389.83	n/a
MW-303S	n/a	27.2	n/a	n/a	389.85	n/a
MW-304D	n/a	62.32	n/a	n/a	390.08	n/a
MW-304S	n/a	32.59	n/a	n/a	390.92	n/a
MW304VS	n/a	10.16	n/a	n/a	390.72	n/a

* - Estimated values

NOTE: Contains information obtained from previous reports prepared by Wehran-New York, Inc.
Bold & Italics - Monitoring Locations were resurveyed in 2003/2004

	Units	PZ 1A	PZ 4	PZ 11	MW 207SA	MW 207D	MW 303S	MW 303D	MW 304VS	MW 304S
Nov 1990	Feet	n/a*	368.36	n/a*	370.50	370.68				
Feb 1991	Feet	n/a*	368.03	n/a*	371.68	371.84				
May 1991	Feet	n/a*	367.88	n/a*	372.10	372.29				
Aug 1991	Feet	n/a*	365.16	n/a*	369.92	370.13				
Nov 1991	Feet	n/a*	365.23	n/a*	368.87	368.94				
Feb 1992	Feet	n/a*	366.38	n/a*	369.49	369.71				
May 1992	Feet	n/a*	367.31	n/a*	370.92	371.15				
Aug 1992	Feet	n/a*	367.15	n/a*	370.51	370.75				
Dec 1992	Feet	n/a*	366.38	n/a*	369.10	369.48				
Feb 1993	Feet	n/a*	367.88	n/a*	370.78	371.02				
May 1993	Feet	n/a*	367.80	n/a*	372.52	372.69				
Sep 1993	Feet	n/a*	365.02	n/a*	369.16	369.32				
Dec 1993	Feet	n/a*	366.76	n/a*	368.79	369.24				
Feb 1994	Feet	n/a*	368.80	n/a*	369.99	370.21				
May 1994	Feet	n/a*	368.35	n/a*	372.83	372.97				
Aug-94	Feet	n/a*	367.29	n/a*	370.33	370.52	n/a*	n/a*	n/a*	n/a*
Nov-94	Feet	n/a*	365.94	n/a*	369.58	369.71	n/a*	n/a*	n/a*	n/a*
March - 95	Feet	n/a*	368.42	n/a*	372.04	372.25	n/a*	n/a*	n/a*	n/a*
June-95	Feet	n/a*	366.11	n/a*	370.35	370.55	n/a*	n/a*	n/a*	n/a*
Sept. - 95	Feet	n/a*	369.24	n/a*	368.31	368.38	n/a*	n/a*	n/a*	n/a*
Nov-95	Feet	n/a*	372.14	n/a*	370.81	371.04	n/a*	n/a*	n/a*	n/a*
April-96	Feet	n/a*	373.37	n/a*	372.98	373.19	n/a*	n/a*	n/a*	n/a*
June-96	Feet	n/a*	358.13	n/a*	372.78	372.97	n/a*	n/a*	n/a*	n/a*
Sept-96	Feet	n/a*	371.42	n/a*	371.88	372.10	n/a*	n/a*	n/a*	n/a*
Dec-96	Feet	n/a*	373.20	n/a*	372.37	372.58	n/a*	n/a*	n/a*	n/a*
May-97	Feet	n/a*	373.17	n/a*	372.44	372.65	n/a*	n/a*	n/a*	n/a*
June-97	Feet	n/a*	371.37	n/a*	371.28	371.49	n/a*	n/a*	n/a*	n/a*
Sept-97	Feet	n/a*	371.20	n/a*	370.24	370.44	n/a*	n/a*	n/a*	n/a*
Dec-97	Feet	n/a*	371.35	n/a*	369.21	370.43	n/a*	n/a*	n/a*	n/a*
Mar-98	Feet	n/a*	374.47	n/a*	373.04	373.23	n/a*	n/a*	n/a*	n/a*
June-98	Feet	n/a*	376.04	n/a*	373.80	373.96	n/a*	n/a*	n/a*	n/a*
Sept-98	Feet	n/a*	370.18	n/a*	370.11	370.29	n/a*	n/a*	n/a*	n/a*
Dec-98	Feet	n/a*	369.23	n/a*	369.53	368.69	n/a*	n/a*	n/a*	n/a*
Apr-99	Feet	n/a*	372.74	n/a*	372.13	372.31	n/a*	n/a*	n/a*	n/a*
June-99	Feet	n/a*	379.59	n/a*	370.62	370.73	n/a*	n/a*	n/a*	n/a*
Sept-99	Feet	n/a*	372.31	n/a*	369.67	369.84	n/a*	n/a*	n/a*	n/a*
Dec-99	Feet	n/a*	371.16	n/a*	369.99	370.18	n/a*	n/a*	n/a*	n/a*
Apr-00	Feet	n/a*	372.82	n/a*	373.21	373.44	n/a*	n/a*	n/a*	n/a*
Jun-00	Feet	n/a*	373.31	n/a*	372.56	372.74	n/a*	n/a*	n/a*	n/a*
Sep-00	Feet	n/a*	371.96	n/a*	371.33	371.50	n/a*	n/a*	n/a*	n/a*
Dec-00	Feet	n/a*	372.52	n/a*	371.03	371.19	n/a*	n/a*	n/a*	n/a*
Mar-01	Feet	n/a*	375.02	n/a*	373.43	373.60	n/a*	n/a*	n/a*	n/a*
Jun-01	Feet	n/a*	372.45	n/a*	372.35	371.54	n/a*	n/a*	n/a*	n/a*
Sep-01	Feet	n/a*	370.12	n/a*	369.31	369.46	n/a*	n/a*	n/a*	n/a*
Dec-01	Feet	n/a*	369.05	n/a*	367.31	367.59	n/a*	n/a*	n/a*	n/a*
Mar-02	Feet	n/a*	369.72	n/a*	368.01	368.14	n/a*	n/a*	n/a*	n/a*
June-02	Feet	n/a*	371.35	n/a*	370.37	370.59	n/a*	n/a*	n/a*	n/a*
Sept-02	Feet	n/a*	369.24	n/a*	368.06	368.07	n/a*	n/a*	n/a*	n/a*
Dec-02	Feet	n/a*	367.79	n/a*	371.05	371.07	n/a*	370.81	383.36	364.89
Apr-04	Feet	373.84	369.76	374.00	373.64	373.63	373.50	373.40	385.87	367.92
Jun-05	Feet	374.88	370.74	NS	378.44	372.55	372.55	368.83	383.12	365.92
Sep-06	Feet	373.18	368.74	373.61	372.24	372.72	372.45	371.83	383.82	366.42
Dec-07	Feet	372.05	NS	372.19	371.64	371.70	371.15	370.88	384.72	364.62

		Units	MW 304D	MW 220	MW 221S	MW 221D	MW 222	MW 223S	MW 223D	MW 230S	MW 230D
Nov 1990		Feet		360.71	363.58	365.44	362.38	371.05	371.09	372.34	372.63
Feb 1991		Feet		360.04	364.53	365.76	363.34	372.13	372.23	373.81	374.01
May 1991		Feet		359.14	364.94	365.57	363.55	372.69	372.77	374.27	374.54
Aug 1991		Feet		357.23	362.74	363.00	360.85	369.81	369.93	370.90	371.22
Nov 1991		Feet		357.35	361.62	362.83	360.41	369.10	368.59	370.20	370.42
Feb 1992		Feet		358.36	362.77	364.00	361.48	369.86	370.21	371.54	371.77
May 1992		Feet		359.19	364.02	364.93	362.64	371.33	371.56	373.18	373.62
Aug 1992		Feet		359.55	364.01	364.39	362.52	370.96	371.12	372.41	372.71
Dec 1992		Feet		359.56	362.76	364.20	361.47	369.66	369.81	370.90	371.12
Feb 1993		Feet		359.86	364.33	365.57	363.20	371.19	371.42	372.88	373.27
May 1993		Feet		359.14	366.35	365.93	365.03	372.98	373.06	374.53	374.75
Sep 1993		Feet		356.85	362.11	362.66	360.93	369.45	369.61	370.35	370.52
Dec 1993		Feet		360.29	362.32	363.88	361.22	369.58	369.64	370.75	370.82
Feb 1994		Feet		362.22	363.64	365.45	362.41	370.75	370.81	372.25	372.51
May 1994		Feet		359.95	366.86	366.66	365.22	373.37	373.39	374.84	375.20
Aug-94		Feet		358.11	363.39	364.09	362.13	370.74	370.88	371.72	371.84
Nov-94		Feet		358.03	362.78	363.62	361.60	369.95	370.05	371.22	371.38
March - 95	n/a*	Feet		360.89	365.46	366.32	365.10	375.52	372.62	374.28	374.81
June-95	n/a*	Feet		357.76	363.33	362.77	362.62	370.81	370.90	372.18	372.35
Sept. - 95	n/a*	Feet		356.81	361.38	362.01	363.06	368.55	368.67	369.41	369.33
Nov-95	n/a*	Feet		360.59	364.52	365.18	363.46	371.32	371.42	372.94	373.27
April-96	n/a*	Feet		361.57	366.94	364.96	365.17	373.59	373.68	375.28	374.84
June-96	n/a*	Feet		347.21	366.24	363.46	355.43	373.11	373.23	374.57	372.20
Sept-96	n/a*	Feet		360.60	364.97	363.25	363.14	372.35	372.41	373.92	374.67
Dec-96	n/a*	Feet		360.29	365.97	366.47	364.03	372.73	372.85	374.38	374.64
May-97	n/a*	Feet		360.16	365.74	366.22	364.06	372.80	372.92	374.51	374.95
June-97	n/a*	Feet		357.82	364.49	364.79	363.10	372.00	372.97	373.15	373.15
Sept-97	n/a*	Feet		357.04	363.04	363.12	361.52	373.73	370.77	371.91	372.21
Dec-97	n/a*	Feet		358.97	363.31	364.22	361.73	370.70	370.80	372.14	372.44
Mar-98	n/a*	Feet		362.68	366.87	367.54	364.62	373.48	373.59	375.20	375.85
June-98	n/a*	Feet		362.73	368.37	368.47	365.76	374.15	374.28	375.88	376.56
Sept-98	n/a*	Feet		357.15	363.19	363.57	362.05	370.46	370.58	371.39	371.45
Dec-98	n/a*	Feet		357.04	361.60	362.46	360.50	368.91	369.03	369.79	369.85
Apr-99	n/a*	Feet		360.35	365.18	365.79	363.32	372.54	372.67	NS	NS
June-99	n/a*	Feet		350.96	363.46	363.73	362.12	370.88	371.05	NS	NS
Sept-99	n/a*	Feet		359.54	362.71	362.18	361.04	370.25	370.29	NS	NS
Dec-99	n/a*	Feet		358.25	362.71	363.68	361.31	370.43	370.55	371.86	372.21
Apr-00	n/a*	Feet		363.18	366.54	367.31	364.25	373.72	373.80	375.34	376.12
Jun-00	n/a*	Feet		360.32	366.18	366.03	364.52	372.87	373.02	NS	NS
Sep-00	n/a*	Feet		358.80	364.80	364.97	363.30	371.85	371.85	NS	NS
Dec-00	n/a*	Feet		360.96	365.52	363.75	362.35	371.48	371.59	NS	NS
Mar-01	n/a*	Feet		363.61	366.84	367.81	364.76	373.85	374.01	NS	NS
Jun-01	n/a*	Feet		359.25	364.93	365.05	363.58	371.85	371.96	373.21	373.48
Sep-01	n/a*	Feet		356.81	362.24	362.67	360.89	369.60	369.72	NS	NS
Dec-01	n/a*	Feet		356.71	360.82	361.70	359.88	367.78	367.64	NS	NS
Mar-02	n/a*	Feet		353.76	360.47	361.76	353.99	368.65	368.74	NS	NS
Jun-02	n/a*	Feet		358.91	363.34	363.92	362.23	370.69	370.99	NS	NS
Sep-02	n/a*	Feet		356.44	361.13	361.64	360.23	368.35	368.45	369.08	369.10
Dec-02	365.28	Feet		359.60	363.50	364.79	362.26	371.60	371.35	NS	NS
Apr-04	368.32	Feet		361.52	367.23	367.45	365.75	373.90	373.90	375.40	375.77
Jun-05	363.48	Feet		358.74	365.34	362.99	362.59	378.65	378.65	372.60	372.60
Sep-06	365.58	Feet		360.54	366.04	363.89	365.09	378.15	372.86	370.40	367.81
Dec-07	365.13	Feet		360.6	365.68	364.09	363.14	372.09	371.91	373.05	373.16

	Units	MW 232S	MW 233S	MW 234S	MW 234D	MW 235S	MW 235D	MW 245S	MW 245D	MW 3B
Nov 1990	Feet	374.39	377.21	370.74	370.89	369.99	370.72	361.10	359.97	n/a*
Feb 1991	Feet	370.85	377.22	371.82	371.59	371.21	372.01	360.72	360.61	n/a*
May 1991	Feet	374.92	377.45	372.22	372.39	371.61	372.87	359.66	360.52	n/a*
Aug 1991	Feet	373.49	377.02	370.30	370.41	371.27	369.18	358.11	357.92	n/a*
Nov 1991	Feet	372.90	375.86	369.18	369.20	368.45	368.90	358.16	357.35	n/a*
Feb 1992	Feet	372.96	376.41	369.76	369.98	369.20	369.60	359.53	359.30	n/a*
May 1992	Feet	373.92	377.17	371.23	371.33	370.45	370.84	360.02	360.39	n/a*
Aug 1992	Feet	373.96	376.82	371.10	371.07	370.44	370.72	359.53	359.78	n/a*
Dec 1992	Feet	372.90	376.11	369.50	369.65	368.84	369.14	360.27	359.85	n/a*
Feb 1993	Feet	374.26	377.32	367.09	371.23	370.38	370.64	360.70	360.28	n/a*
May 1993	Feet	376.37	379.28	373.02	372.88	372.08	372.45	359.83	360.25	n/a*
Sep 1993	Feet	373.97	376.92	369.56	369.48	368.65	368.99	357.47	357.72	n/a*
Dec 1993	Feet	372.92	376.30	369.23	369.26	368.52	368.89	360.77	359.67	n/a*
Feb 1994	Feet	373.10	376.35	369.97	370.27	369.70	370.02	362.66	362.73	n/a*
May 1994	Feet	373.81	376.43	373.27	373.27	372.60	372.80	360.55	360.85	n/a*
Aug-94	Feet	374.15	376.93	370.80	370.66	369.88	370.16	358.90	358.26	n/a*
Nov-94	Feet	373.45	376.24	370.23	370.04	369.23	369.47	358.72	358.71	n/a*
March - 95	Feet	374.58	378.68	374.10	372.58	371.80	372.03	361.51	361.95	n/a*
June-95	Feet	374.15	376.81	370.93	370.69	369.96	370.23	358.41	358.60	n/a*
Sept. - 95	Feet	372.80	375.35	368.63	368.54	367.90	368.07	357.50	357.55	n/a*
Nov-95	Feet	373.71	378.27	372.72	371.28	370.59	370.80	360.77	360.98	n/a*
April-96	Feet	376.36	379.39	374.96	373.50	372.81	370.64	362.27	359.90	n/a*
June-96	Feet	376.10	378.84	373.42	373.12	372.25	368.97	364.64	362.72	n/a*
Sept-96	Feet	375.23	379.25	374.46	372.67	372.08	372.17	361.31	359.36	n/a*
Dec-96	Feet	375.67	378.46	374.19	372.78	372.05	372.38	361.02	361.02	n/a*
May-97	Feet	375.52	377.94	374.23	372.85	372.10	372.48	360.86	366.01	n/a*
June-97	Feet	373.90	377.46	371.97	371.69	370.91	371.15	358.57	358.59	n/a*
Sept-97	Feet	373.33	378.33	371.47	370.71	370.04	370.37	358.63	358.86	n/a*
Dec-97	Feet	373.46	376.33	371.59	370.62	369.88	370.25	359.64	359.54	n/a*
Mar-98	Feet	375.09	378.06	375.40	373.69	376.98	373.33	363.43	362.69	n/a*
June-98	Feet	376.60	380.20	376.55	374.56	376.19	374.32	363.46	361.05	n/a*
Sept-98	Feet	374.46	377.03	370.73	370.47	369.72	370.13	357.85	357.90	n/a*
Dec-98	Feet	372.96	375.54	368.95	368.86	368.11	368.39	357.73	357.58	n/a*
Apr-99	Feet	NS	372.73	373.34	372.48	NS	NS	361.01	NS	n/a*
June-99	Feet	NS	NS	371.06	370.91	NS	NS	358.10	356.86	n/a*
Sept-99	Feet	NS	NS	370.08	370.04	NS	NS	360.00	358.48	n/a*
Dec-99	Feet	NS	NS	370.29	370.33	NS	NS	358.93	358.72	n/a*
Apr-00	Feet	NS	NS	374.97	373.79	NS	NS	364.34	361.50	n/a*
Jun-00	Feet	374.83	377.30	373.79	372.95	372.34	372.54	360.84	360.73	n/a*
Sept-00	Feet	374.35	376.94	372.25	371.82	371.10	371.35	359.86	359.44	n/a*
Dec-00	Feet	373.55	374.24	372.44	373.44	370.66	370.99	361.49	360.50	n/a*
Mar-01	Feet	374.65	378.17	375.50	373.94	373.32	364.22	362.29	362.29	n/a*
Jun-01	Feet	374.65	377.14	372.20	371.77	371.11	371.37	353.94	359.61	n/a*
Sept-01	Feet	373.30	375.94	369.81	369.56	368.94	369.32	357.49	356.86	n/a*
Dec-01	Feet	371.33	374.56	367.84	367.72	367.09	367.35	357.30	357.08	n/a*
Mar-02	Feet	371.10	373.74	367.75	368.21	367.31	367.67	358.17	357.51	n/a*
Jun-02	Feet	372.58	375.04	371.04	370.72	369.96	370.32	359.43	353.06	n/a*
Sept-02	Feet	371.70	374.18	368.42	368.22	366.61	367.91	358.18	357.22	n/a*
Dec-02	Feet	372.77	375.56	371.32	371.18	370.03	370.32	360.22	360.33	n/a*
Apr-04	Feet	well under water	379.23	374.82	373.60	372.82	378.91	361.53	360.88	358.43
Jun-05	Feet	378.04	378.69	372.33	370.60	NS	NS	359.03	355.88	359.74
Sept-06	Feet	NS	378.19	373.53	372.60	NS	NS	362.13	359.38	356.43
Dec-07	Feet	374.62	376.84	376.58	371.50	NS	NS	360.63	359.87	359.42

NS - Not Sampled

*No Survey Data Available for Correlation.

Note: Wells were resurveyed in 2003/2004

TABLE 3 - GROUNDWATER ANALYTICAL DATA

Date Sampled	UNITS	Class GA Standard	Class GA Guidance	PZ-1A	PZ-11	MW-38	MW-207SA	MW-207D	MW-220	MW-221S	MW-221D	MW-222	MW-223S	MW-223D	MW-230S	MW-230D	MW-232-S	MW-233S
Specific Conductivity Um/Hos/cm	umhos/cm																	
En (MV)	MV			761	1260	1150	820	685	1210	910	398	2000	1060	1060	436	236	515	980
Field pH	S.U.	6.5-8.5		543	230	100	125	216	220	280	280	35	254	310	340	295	195	255
Temperature (deg. C)	deg. C			5.9	6.32	6.87	6.44	6.74	6.54	6.63	7.71	6.47	6.72	6.85	7.28	7.41	6.88	6.71
Turbidity (NTU)	NTU			9.4	11.4	11.8	10.8	11.2	11.1	11.6	11.1	11.1	9.8	10.2	10.4	10.3	10.1	9.8
TOC				48	23	3	406	410	108	398	11	13	238	3	>999	0	312	12
Alkalinity as CaCO3	mg/l			<1	4.9	4.8	3.4	2.7	3.8	3.6	<1	12	3.9	2.9	<1	1.7	2.7	4.7
Ammonia as N	mg/l			210	610	490	520	300	510	450	120	910	550	530	160	120	260	360
Biological Oxygen Demand	mg/l			<0.03	<0.03	0.32	0.087	<0.03	<0.03	<0.03	<0.03	37	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Chloride	mg/l			<4	<4	<4	<4	<4	<4	<4	<4	11	<4	<4	<4	<4	<4	<4
Chemical Oxygen Demand	mg/l			32	22	90	12	14	20	15	56	98	12	18	50	6.8	6.7	3.6
Color	mg/l			22	12	8.3	54	9.4	45	100	<5	50	28	12	7.4	11	6.6	13
Cyanide	mg/l	0.5		50	50	20	50	25	100	200	10	500	75	25	500	10	400	10
Hexachrome	mg/l	0.2		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrate as N	mg/l	0.05		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Total Hardness as CaCO3	mg/l	10		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	15
Kyeldahl Nitrogen as N	mg/l			420	770	540	590	480	720	610	190	820	700	610	710	85	320	550
Phenolics, Total	mg/l	0.004		0.3	0.49	1.1	0.51	0.21	0.31	0.25	0.2	38	0.36	0.3	0.22	0.23	0.25	0.72
Solids, Dissolved	mg/l	500		<0.003	<0.003	0.0037	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Sulfate as SO4	mg/l	200		230	130	19	5.7	150	130	23	8.5	30	79	100	18	5.5	16	82
Bromide	mg/l			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mercury	mg/l	0.0007		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Mercury, dissolved	mg/l	0.0007		1.2	0.2	0.18	15	3.3	2.6	13	0.12	0.3	2.5	0.57	27	0.35	3.1	<0.1
Aluminum	mg/l			<0.01	<0.01	<0.01	0.11	<0.1	<0.1	0.11	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01
Aluminum, dissolved	mg/l			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Antimony	mg/l	0.005		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Antimony, dissolved	mg/l	0.005		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Arsenic	mg/l	0.05		0.016	0.019	0.051	0.081	0.059	0.03	0.03	0.015	0.1	0.024	0.029	0.039	0.015	0.32	0.011
Arsenic, dissolved	mg/l	0.05		<0.2	<0.2	0.2	0.51	<0.2	<0.2	<0.2	<0.2	0.41	<0.2	<0.2	0.3	<0.2	<0.2	<0.2
Barium	mg/l			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Barium, dissolved	mg/l			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Beryllium	mg/l			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.58	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Beryllium, dissolved	mg/l			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Boron	mg/l			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cadmium	mg/l			120	240	160	170	140	210	200	45	240	200	170	210	24	100	150
Cadmium, dissolved	mg/l			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Calcium	mg/l			<0.01	<0.01	<0.01	0.021	<0.01	<0.01	0.018	<0.01	<0.01	<0.01	<0.01	0.039	<0.01	<0.01	<0.01
Calcium, dissolved	mg/l			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Chromium	mg/l	0.05		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01

TABLE 3 - GROUNDWATER ANALYTICAL DATA

Date Sampled	UNITS	Chm GA Standard	Chm GA Guidance	PZ-1A 12/19/2007	PZ-11 12/19/2007	MW-3B 12/18/2007	MW-207SA 12/19/2007	MW-207D 12/19/2007	MW-220 12/18/2007	MW-221S 12/18/2007	MW-221D 12/18/2007	MW-222 12/18/2007	MW-223S 12/19/2007	MW-223D 12/19/2007	MW-230S 12/18/2007	MW-230D 12/18/2007	MW-232-S 12/18/2009	MW-233S 12/18/2007
Chromium, dissolved	mg/l	0.05		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cobalt	mg/l			<0.01	<0.01	<0.01	0.022	<0.01	<0.01	0.012	<0.01	<0.01	<0.01	<0.01	0.026	<0.01	<0.01	<0.01
Cobalt, dissolved	mg/l			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.015	0.012	<0.01	0.13	<0.01	0.015	<0.01
Copper	mg/l	0.2		<0.01	0.014	<0.01	0.16	0.014	0.011	0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Copper, dissolved	mg/l	0.2		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.25	<0.01	<0.01	<0.01	<0.01	1.8	28	0.18
Iron	mg/l	0.3		2.4	10	1.5	45	11	10	27	0.16	34	11	2.8	58	1.3	28	0.18
Iron, dissolved	mg/l	0.3		<0.01	<0.01	<0.01	0.11	0.11	0.12	0.16	<0.01	<0.01	<0.01	<0.01	0.21	<0.01	0.45	<0.01
Lead	mg/l	0.005		<0.01	<0.01	<0.01	0.042	<0.01	0.015	0.004	<0.01	<0.01	<0.01	<0.01	0.054	<0.01	0.01	<0.01
Lead, dissolved	mg/l	0.005		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium	mg/l		35	28	40	34	40	30	49	26	19	53	51	44	45	6.2	18	42
Magnesium, dissolved	mg/l		35	<0.01	<0.01	<0.01	30	25	51	20	<0.01	0.73	23	1.4	4.2	0.35	1.2	2.8
Manganese	mg/l	0.3		0.67	3.6	0.99	1.3	2.2	3.1	1.8	<0.01	0.012	2.3	1.4	0.26	<0.01	0.8	<0.01
Manganese, dissolved	mg/l	0.3		<0.01	<0.01	<0.01	0.09	1.5	1.4	0.75	<0.01	0.012	1.9	<0.01	0.063	<0.01	<0.01	<0.01
Nickel	mg/l	0.1		<0.01	<0.01	<0.01	0.052	<0.01	<0.01	0.029	<0.01	0.012	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nickel, dissolved	mg/l	0.1		<0.01	<0.01	<0.01	0.011	<0.01	<0.01	<0.01	<0.01	0.012	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Potassium	mg/l			2.9	5.3	4.3	6.8	3.7	8.7	6.3	3.4	16	2.8	1.9	6.9	1.3	2.6	3.1
Potassium, dissolved	mg/l			<0.01	<0.01	<0.01	3.6	2.5	5.3	3.6	<0.01	<0.01	1.8	<0.01	<0.01	<0.01	1.5	<0.01
Selenium	mg/l	0.01		0.27	0.54	0.34	0.48	0.33	0.49	0.49	0.097	0.062	0.48	0.4	0.83	0.053	0.26	0.36
Selenium, dissolved	mg/l	0.01		<0.01	<0.01	<0.01	0.35	0.26	0.45	0.59	<0.01	<0.01	0.36	<0.01	0.15	<0.01	0.19	<0.01
Silver	mg/l	0.05		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.001
Silver, dissolved	mg/l	0.05		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium	mg/l	20		18	15	58	9.5	13	19	12	15	83	19	15	11	27	3.3	1.7
Sodium, dissolved	mg/l	20		<0.01	<0.01	<0.01	10	13	18	13	<0.01	<0.01	17	<0.01	8.9	<0.01	3.4	<0.01
Thallium	mg/l		0.0005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Thallium, dissolved	mg/l		0.0005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Vanadium	mg/l			<0.01	<0.01	<0.01	0.012	<0.01	<0.01	0.014	<0.01	<0.01	<0.01	<0.01	0.028	<0.01	<0.01	<0.01
Vanadium, dissolved	mg/l			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Zinc	mg/l			0.022	0.048	0.022	0.23	0.081	0.052	0.13	0.025	0.068	0.063	0.051	0.22	0.13	0.057	0.016
Zinc, dissolved	mg/l			<0.01	<0.01	<0.01	0.026	0.037	0.056	0.032	<0.01	<0.01	0.034	<0.01	0.015	<0.01	0.018	<0.01
Acetone	ug/l		5	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,2-Dichloroethane	ug/l		5	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,1-Dichloroethane	ug/l		5	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,1,1,2-Tetrachloroethane	ug/l		5	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,1,1-Trichloroethane	ug/l		5	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,1,2,2-Tetrachloroethane	ug/l		5	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,1,2-Trichloroethane	ug/l		5	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,1-Dichloroethene	ug/l		5	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,2,3-Trichloropropane	ug/l		5	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,2-Dibromo-3-chloropropane	ug/l		5	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,2-Dibromoethane	ug/l		5	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,2-Dichlorobenzene	ug/l		5	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,2-Dichloropropane	ug/l		5	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
1,4-Dichlorobenzene	ug/l		5	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10

TABLE 3 - GROUNDWATER ANALYTICAL DATA

Date Sampled	UNITS	Class GA Standard	Class GA	PZ-1A 12/19/2007	PZ-11 12/19/2007	MW-3B 12/18/2007	MW-207SA 12/19/2007	MW-207D 12/19/2007	MW-220 12/18/2007	MW-221S 12/18/2007	MW-221D 12/18/2007	MW-222 12/18/2007	MW-223S 12/19/2007	MW-223D 12/19/2007	MW-230S 12/18/2007	MW-230D 12/18/2007	MW-232-S 12/18/2009	MW-233S 12/18/2007
2-Hexanone	ug/l	5		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	ug/l	5		<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Benzene	ug/l	1		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromochloromethane	ug/l	5		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/l	5	20	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/l	5	50	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/l	5		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Disulfide	ug/l	5		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Tetrachloride	ug/l	5		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	ug/l	5		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ug/l	5		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/l	5		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/l	5		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	ug/l	5		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,3-Dichloropropene	ug/l	5		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromochloromethane	ug/l	5		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/l	0.4		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	ug/l	5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Iodomethane	ug/l	5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
MEK (2-Butanone)	ug/l	5	50	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Methyl isobutyl ketone (MIBK)	ug/l	5		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Methylene Chloride	ug/l	5		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/l	5		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	ug/l	5		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethane	ug/l	5		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	ug/l	5		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	ug/l	5		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,3-Dichloropropene	ug/l	0.4		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,4-Dichloro-2-butene	ug/l	5		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethene	ug/l	5		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/l	5		<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Acetate	ug/l	0.04		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl Chloride	ug/l	2		<1	<1	<1	<1	<1	<1	<1	<1	1.2	<1	<1	<1	<1	<1	<1

NA - Not Analyzed

TABLE 3 - GROUNDWATER ANALYTICAL DATA

Date Sampled	UNITS	Class GA Standard	Class GA Guidelines	MW-234S 12/18/2007	DUPE MS-234S 12/18/2007	MW-234D 12/18/2007	MW-245S 12/18/2007	MW-245D 12/18/2007	MW-312S 12/18/2007	MW-303S 12/19/2007	MW-303D 12/19/2007	MW-304S 12/18/2007	MW-304VS 12/18/2007	MW-304D 12/18/2007
Specific Conductivity UmHos/cm	umhos/cm			580	236	628	970	785	356	854	1150	950	2410	970
Eh (MV)	MV			240	275	225	170	155	225	95	223	80	285	110
Field pH	S.U.	6.5-8.5		6.51	7.1	6.75	6.95	7.12	7.41	6.45	7.32	6.66	6.89	6.68
Temperature (deg. C)	deg. C			9.7	9.5	10	9.1	9.3	10.3	11.1	10.3	10.5	6.5	9.2
Turbidity (NTU)	NTU			10	8	3	259	13	500	24	7	244	8	195
TOC	mg/l			1.6	1.7	1.4	2.3	2.2	<1	4.8	1.8	5.1	5.9	3
Alkalinity as CaCO3	mg/l			240	130	240	340	340	180	520	280	530	420	380
Ammonia as N	mg/l			<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	0.44	0.37	0.25	<0.03	1.1
Biological Oxygen Demand	mg/l			<4	<4	<4	<4	4.5	<4	6.9	<4	4.1	<4	<4
Chloride	mg/l	250		3.8	6.6	36	4.4	23	5.3	15	150	18	60	43
Chemical Oxygen Demand	mg/l			<5	6.1	5.7	50	<5	16	18	10	22	25	120
Color	mg/l	15		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	100	15	100	300	100
Cyanide	mg/l	0.2		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Hexachrome	mg/l	0.03		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrate as N	mg/l	10		<0.1	0.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Total Hardness as CaCO3	mg/l			350	92	340	590	350	270	560	240	540	620	460
Kjeldahl Nitrogen as N	mg/l			0.24	0.25	0.19	0.28	13	0.2	1.2	1.1	0.86	0.74	1.6
Phenolics, Total	mg/l	0.001		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Solids, Dissolved	mg/l	500		390	160	420	600	470	240	340	640	310	1400	460
Sulfate as SO4	mg/l	250		58	5.1	52	7.5	58	10	17	130	<1	14	15
Bromide	mg/l			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Mercury	mg/l	0.0007		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Mercury, dissolved	mg/l	0.0007												
Aluminum	mg/l	0.0007		0.8	0.47	0.56	10	<0.1	17	1.7	0.32	6.4	3.9	4.0
Aluminum, dissolved	mg/l			<0.01	<0.01	<0.01	<0.1	<0.01	3.3	<0.1	<0.1	<0.1	<0.1	<0.1
Antimony	mg/l	0.005		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Antimony, dissolved	mg/l						<0.01		<0.01			<0.01		<0.01
Arsenic	mg/l	0.005		0.021	0.014	0.024	<0.1	0.018	<0.01	<0.01	0.023	0.02	<0.01	<0.01
Arsenic, dissolved	mg/l						0.016		0.015			0.01		0.018
Barium	mg/l	0.005		<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	0.44	<0.2	0.21
Barium, dissolved	mg/l						<0.2		<0.2			0.33	<0.2	<0.2
Beryllium	mg/l	0.005		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Beryllium, dissolved	mg/l						<0.01		<0.01			<0.01		<0.01
Boron	mg/l	0.005		<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Cadmium	mg/l	0.005		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Cadmium, dissolved	mg/l						<0.01		<0.01			<0.01		<0.01
Calcium	mg/l	0.005		110	26	100	170	96	75	180	57	160	200	130
Calcium, dissolved	mg/l						150		74			160		120
Chromium	mg/l	0.05		<0.01	<0.01	<0.01	0.016	<0.01	0.026	<0.01	<0.01	0.029	<0.01	<0.01

TABLE 3 - GROUNDWATER ANALYTICAL DATA

Date Sampled	UNITS	Class GA : Standard : Guidance	MW-234S 12/18/2007	DUPE MS-234S 12/18/2007	MW-234D 12/18/2007	MW-246S 12/18/2007	MW-246D 12/18/2007	MW-312S 12/18/2007	MW-303S 12/19/2007	MW-303D 12/19/2007	MW-304S 12/18/2007	MW-304VS 12/18/2007	MW-304D 12/18/2007
2-Hexanone	ug/l	5	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Acrylonitrile	ug/l	5	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20
Benzene	ug/l	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromochloromethane	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromodichloromethane	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromoform	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Bromomethane	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Disulfide	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Carbon Tetrachloride	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chlorobenzene	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroethane	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloroform	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Chloromethane	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,2-Dichloroethene	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
cis-1,3-Dichloropropene	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromochloromethane	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Dibromomethane	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylbenzene	ug/l	0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Iodomethane	ug/l	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
MEK (2-Butanone)	ug/l	5	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Methyl isobutyl ketone (MIBK)	ug/l	5	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Methylene Chloride	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Xylenes, total	ug/l	2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Styrene	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Tetrachloroethene	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,2-Dichloroethene	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,3-Dichloropropene	ug/l	0.5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
trans-1,4-Dichloro-2-butene	ug/l	5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Trichloroethene	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Trichlorofluoromethane	ug/l	5	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Vinyl Acetate	ug/l	0.05	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Vinyl Chloride	ug/l	2	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1

NA - Not Analyzed

TABLE 4 - SURFACE WATER ANALYTICAL DATA

	Units	Class C Std.	SW-3	SW-5	SW-8	SW-13
Date Sampled			12/18/2007	12/18/2007	12/18/2007	12/18/2007
Specific Conductivity UmHos/cm	UmHos/cm		452	536	480	448
Eh (MV)	MV		365	233	420	325
Field pH	SU	6.5-8.5	7.52	7.92	7.75	7.18
Temperature (deg. C)	deg C		0.2	0.2	0.3	0.2
Turbidity (NTU)	NTU		0	0	0	0
TOC	mg/l		6.3	6.4	6.1	6.3
Alkalinity as CaCo3	mg/l		85	90	85	85
Ammonia as N	mg/l		<0.03	<0.03	<0.03	0.097
Biological Oxygen Demand	mg/l		<4	<4	<4	<4
Chloride	mg/l		75	74	71	78
Chemical Oxygen Demand	mg/l		18	18	15	39
Color (Pt. Co. U.)	mg/l		30	20	30	30
Nitrate as N	mg/l		1.1	1.1	1.1	0.98
Total Hardness as CaCo3	mg/l		150	150	150	150
Kjeldahl Nitrogen as N	mg/l		0.66	0.63	0.6	0.58
Phenolics, Total	mg/l	0.005	<0.003	<0.003	<0.003	<0.003
Solids, Dissolved	mg/l	500	280	280	270	270
Sulfate as SO4	mg/l		10	7.5	8.5	11
Bromide	mg/l	2	<0.1	<0.1	<0.1	<0.1
Aluminum	mg/l	0.1	0.12	0.13	0.12	0.15
Antimony	mg/l		<0.01	<0.01	<0.01	<0.01
Arsenic	mg/l		0.013	0.014	0.014	0.014
Barium	mg/l		<0.2	<0.2	<0.2	<0.2
Beryllium	mg/l	1100	<0.01	<0.01	<0.01	<0.01
Boron	mg/l	10	<0.5	<0.5	<0.5	<0.5
Cadmium	mg/l	2.9	<0.01	<0.01	<0.01	<0.01
Calcium	mg/l		41	40	40	40
Chromium	mg/l	103	<0.01	<0.01	<0.01	<0.01
Cobalt	mg/l		<0.01	<0.01	<0.01	<0.01
Copper	mg/l	12.7	<0.01	<0.01	<0.01	<0.01
Cyanide, Total	mg/l	9	<0.01	<0.01	<0.01	<0.01
Hexachromium	mg/l	0.011	<0.01	<0.01	<0.01	<0.01
Iron	mg/l	0.3	0.36	0.35	0.34	0.37
Lead	mg/l	5.9	<0.01	<0.01	<0.01	<0.01
Magnesium	mg/l		12	11	12	11
Manganese	mg/l		0.078	0.076	0.076	0.076
Mercury	mg/l	0.0007	<0.0002	<0.0002	<0.0002	<0.0002
Nickel	mg/l	73	<0.01	<0.01	<0.01	<0.01
Potassium	mg/l		2.5	2.4	2.5	2.5
Selenium	mg/l	0.0046	0.065	0.077	0.079	0.082
Silver	mg/l	0.0001	<0.01	<0.01	<0.01	<0.01
Sodium	mg/l		40	41	40	41
Thallium	mg/l	0.008	<0.01	<0.01	<0.01	<0.01
Vanadium	mg/l	0.014	<0.01	<0.01	<0.01	<0.01
Zinc	mg/l	117	0.013	0.013	0.014	0.013

TABLE 4 - SURFACE WATER ANALYTICAL DATA

Date Sampled	Units	Class C Std.	SW-3 12/18/2007	SW-5 12/18/2007	SW-8 12/18/2007	SW-13 12/18/2007
Acetone	ug/l		<10	<10	<10	<10
Acrylonitrile	ug/l		<20	<20	<20	<20
Benzene	ug/l	1	<1	<1	<1	<1
Bromodichloromethane	ug/l		<1	<1	<1	<1
Bromomethane	ug/l		<1	<1	<1	<1
Bromochloromethane	ug/l	5	<1	<1	<1	<1
Bromoform	ug/l		<1	<1	<1	<1
2-Butanone	ug/l		<10	<10	<10	<10
Carbon Disulfide	ug/l		<1	<1	<1	<1
Carbon Tetrachloride	ug/l		<1	<1	<1	<1
Chlorobenzene	ug/l	5	<1	<1	<1	<1
Chloroethane	ug/l		<1	<1	<1	<1
Chloroform	ug/l	5	<1	<1	<1	<1
Chloromethane	ug/l	5	<1	<1	<1	<1
Dibromochloromethane	ug/l	7	<1	<1	<1	<1
Dibromomethane	ug/l	5	<1	<1	<1	<1
1,2-Dibromo-3-chloropropane	ug/l		<1	<1	<1	<1
1,2-Dibromoethane	ug/l	0.4	<1	<1	<1	<1
1,2-Dichlorobenzene	ug/l		<1	<1	<1	<1
1,4-Dichlorobenzene	ug/l	3	<1	<1	<1	<1
Trans-1,4-Dichloro-2-butene	ug/l	5	<5	<5	<5	<5
1,1 Dichloroethane	ug/l	5	<1	<1	<1	<1
1,2-Dichloroethane	ug/l	5	<1	<1	<1	<1
1,1-Dichloroethene	ug/l	0.8	<1	<1	<1	<1
1,2-Dichloropropane	ug/l		<1	<1	<1	<1
cis-1,2-Dichloroethene	ug/l	5	<1	<1	<1	<1
trans-1,2-Dichloroethene	ug/l	5	<1	<1	<1	<1
cis-1,3-Dichloropropene	ug/l	1	<1	<1	<1	<1
trans-1,3-Dichloropropene	ug/l	0.4	<1	<1	<1	<1
Ethylbenzene	ug/l	0.4	<1	<1	<1	<1
2-Hexanone	ug/l	5	<10	<10	<10	<10
Iodomethane (Methyl iodine)	ug/l		<5	<5	<5	<5
Methylene Chloride	ug/l	5	<1	<1	<1	<1
4-Methyl-2-pentanone	ug/l		<10	<10	<10	<10
Styrene	ug/l		<1	<1	<1	<1
1,1,1,2-Tetrachloroethane	ug/l	5	<1	<1	<1	<1
1,1,2,2-Tetrachloroethane	ug/l	5	<1	<1	<1	<1
Tetrachloroethene	ug/l	5	<1	<1	<1	<1
Toluene	ug/l	5	<1	<1	<1	<1
Trichloroethene	ug/l		<1	<1	<1	<1
1,1,1-Trichloroethane	ug/l	5	<1	<1	<1	<1
1,1,2-Trichloroethane	ug/l	5	<1	<1	<1	<1
Trichlorofluoromethane	ug/l	5	<1	<1	<1	<1
1,2,3-Trichloropropane	ug/l	5	<1	<1	<1	<1
Vinyl Acetate	ug/l	0.04	<5	<5	<5	<5
Vinyl Chloride	ug/l	2	<1	<1	<1	<1
Xylenes, total	ug/l	5	<1	<1	<1	<1

* Arsenic - dissolved arsenic form.

* Cadmium $(0.85)\exp(0.7852 (\ln (\text{hardness}))-2.715)$

* Chromium $(0.86)\exp(0.819 (\ln (\text{hardness}))+0.6848)$

* Copper $(0.96)\exp(0.8545 (\ln (\text{hardness}))-1.702)$

* Lead $\{1.46203-[\ln (\text{hardness}) (0.145712)]\}\exp(1.273 [\ln (\text{hardness}))-4.297$

* Nickel $(0.997)\exp(0.846 [\ln (\text{hardness}))+0.0584)$

* Beryllium - Class GA Standard is 11 ug/l when hardness < 75 ppm, 1100 ug/l when hardness > 75 ppm.

* Zinc $\exp(0.85 (\ln (\text{ppm hardness}))-+.5)$

* dichlorobenzenes- applies to the sum of 1,2 , 1,3 , and 1,4-dichlorobenzene

TABLE 5 – MANHOLE ANALYTICAL RESULTS

<i>Date Sampled</i>	<i>Units</i>	<i>MH-7 12/18/2007</i>	<i>MH-15 12/18/2007</i>
Specific Conductivity Umhos/cm	uMhos	9100	2580
Eh (MV)	Mv	110	505
Field pH	SU	7.26	6.23
Temperature (deg. C)	deg C	8.9	9
Turbidity (NTU)	NTU	331	177
TOC	mg/l	230	64
Alkalinity as CaCo3	mg/l	2700	980
Ammonia as N	mg/l	480	110
Biological Oxygen Demand	mg/l	50	39
Chloride	mg/l	1100	260
Chemical Oxygen Demand	mg/l	190	190
Color (Pt. Co. U.)	mg/l	800	500
Nitrate as N	mg/l	<0.1	0.51
Total Hardness as CaCo3	mg/l	860	580
Kjeldahl Nitrogen as N	mg/l	470	100
Phenolics, Total	mg/l	0.021	<0.003
Solids, Dissolved	mg/l	3800	1100
Sulfate as SO4	mg/l	140	26
Bromide	mg/l	19	1.7
Cyanide, Total	mg/l	<0.01	<0.01
Hexachromium	mg/l	<0.01	0.011
Mercury	mg/l	<0.0002	<0.0002
Aluminum	ug/l	0.19	0.28
Antimony	ug/l	<0.01	<0.01
Arsenic	ug/l	0.059	0.028
Barium	ug/l	0.25	<0.2
Beryllium	ug/l	<0.01	<0.01
Boron	ug/l	3.2	0.95
Cadmium	ug/l	<0.01	<0.01
Calcium	ug/l	170	160
Chromium	ug/l	0.011	<0.01
Cobalt	ug/l	0.019	<0.01
Copper	ug/l	<0.01	<0.01
Iron	ug/l	29	26
Lead	ug/l	<0.01	<0.01
Magnesium	ug/l	110	41
Manganese	ug/l	0.51	2.8
Nickel	ug/l	0.098	0.02
Potassium	ug/l	237	62
Selenium	ug/l	0.46	0.41
Silver	ug/l	<0.01	<0.01
Sodium	ug/l	900	190
Thallium	ug/l	<0.01	<0.01
Vanadium	ug/l	<0.01	<0.01
Zinc	ug/l	0.021	0.014

TABLE 5 -- MANHOLE ANALYTICAL RESULTS

Date Sampled	Units	MH-7 12/18/2007	MH-15 12/18/2007
Acetone	ug/l	13	<10
1,2-Dichloroethane	ug/l	<1	<1
1,1 Dichloroethane	ug/l	<1	<1
1,1,1,2-Tetrachloroethane	ug/l	<1	<1
1,1,1-Trichloroethane	ug/l	<1	<1
1,1,2,2-Tetrachloroethane	ug/l	<1	<1
1,1,2-Trichloroethane	ug/l	<1	<1
1,1-Dichloroethene	ug/l	<1	<1
1,2,3-Trichloropropane	ug/l	<1	<1
1,2-Dibromo-3-chloropropane	ug/l	<1	<1
1,2-Dibromoethane	ug/l	<1	<1
1,2-Dichlorobenzene	ug/l	<1	<1
1,2-Dichloropropane	ug/l	<1	<1
1,4-Dichlorobenzene	ug/l	3.3	4.1
2-Hexanone	ug/l	<10	<10
Acrylonitrile	ug/l	<20	<20
Benzene	ug/l	7.1	1
Bromochloromethane	ug/l	<1	<1
Bromodichloromethane	ug/l	<1	<1
Bromoform	ug/l	<1	<1
Bromomethane	ug/l	<1	<1
Carbon Disulfide	ug/l	<1	<1
Carbon Tetrachloride	ug/l	<1	<1
Chlorobenzene	ug/l	11	<1
Chloroethane	ug/l	1.4	2.2
Chloroform	ug/l	<1	<1
Chloromethane	ug/l	<1	<1
cis-1,2-Dichloroethene	ug/l	<1	<1
cis-1,3-Dichloropropene	ug/l	<1	<1
Dibromochloromethane	ug/l	<1	<1
Dibromomethane	ug/l	<1	<1
Ethylbenzene	ug/l	<1	<1
Iodomethane	ug/l	<5	<5
MEK (2-Butanone)	ug/l	<10	<10
Methyl isobutyl ketone (MIBK)	ug/l	<10	<10
Methylene Chloride	ug/l	<1	<1
Total Xylenes	ug/l	<1	<1
Styrene	ug/l	<1	<1
Tetrachloroethene	ug/l	<1	<1
Toluene	ug/l	<1	<1
trans-1,2-Dichloroethene	ug/l	<1	<1
trans-1,3-Dichloropropene	ug/l	<1	<1
Trans-1,4-Dichloro-2-butene	ug/l	<5	<5
Trichloroethene	ug/l	<1	<1
Trichlorofluoromethane	ug/l	<1	<1
Vinyl Acetate	ug/l	<5	<5
Vinyl Chloride	ug/l	<1	<1

TABLE 6 - SHALLOW UPGRADIENT GROUNDWATER - STATISTICAL ANALYSIS

Monitoring Well	Sample Date	ALK (mg/l)	Cl ⁻ (mg/l)	Hard (mg/l)	Cond (umhos/cm)	Phenols (mg/l)	TDS (mg/l)	SO4= (mg/l)	TOC (mg/l)	Ca (mg/l)	Fe (mg/l)	Mg (mg/l)	Mn (mg/l)	K (mg/l)	Na (mg/l)
MW-231S	Nov-89		8.7	126	485	0.065	171	45.9	5.9	59.1	0.533		0.0075		15
MW-231S	Feb-90	137	20.6	190		0.011	246	37.3	0.49		3.12		0.145		
MW-231S	Apr-90	164	17	120	266	0.0025	232	38.9	6.46		0.41		0.107		
MW-231S	Nov-90	142	15.7	165	220	0.005	210	36	6.4	58	20	25		4.6	11
MW-231S	Feb-91	144	15.9	160	320	0.005	248	36.7	12	48.7	8.09	20.8	0.238	3.57	10.5
MW-231S	May-91	154	13.8	182	260	0.005	252	37.2	1.5	50.2	9.73	20	0.287	2.37	10.3
MW-231S	Aug-91	154	14.8	162	410	0.005	252	46.8	4.7	54.5	6.55	17.7	0.262	3.08	10.1
MW-231S	Nov-91	134	13	142		0.005	212	24.3	0.5	31.9	2.52	15.1	0.121	1.3	10.1
MW-231S	Feb-92	152	17.8	187	372	0.005		23.6	2	43.3	13.6	19.1	0.346	3.93	9.48
MW-231S	May-92	160	16.5	167	379	0.005	296	85	0.5	40.5	4.7	16.1	0.158	1.41	10.4
MW-231S	Aug-92	152	17.5	215	344	0.005	260	76.8	1	36.6	4.33	30.1	0.174	2.47	6.97
MW-231S	Dec-92	178	18	164	378	0.005	248	56	0.5	39.2	10.3	16.1	0.233	3.42	10.3
MW-231S	Feb-93	170	17.5	139	452	0.005	268	46	7	32.8	4.23	13.9	0.182	1.99	10.1
MW-231S	May-93	162	20	176	318	0.005	276	69.9	5	46.8	5.23	14.4	0.158	2.51	10.4
MW-231S	Aug-93	156	21	180	361	0.005	268	97.7	0.5	40.6	7.84	19.2	0.194	1.93	13.7
MW-231S	Dec-93	156	20	190	351	0.005	232	88.6	2	46.2	4.92	18.2	0.211	2.45	11
MW-231S	Feb-94	152	23	176	448	0.005	232	45.8	0.5	44.2	0.626	16	0.204	1.94	18.5
MW-231S	May-94	164	22	173	359	0.005	288	36.7	16	46.5	2.32	13.8	0.18	0.84	10.4
MW-231S	Aug-94	152	24	182	408	0.005	256	44.2	0.5	52	0.41	12.6	0.16	1.52	0.4
MW-231S	Nov-94	186	24	149	361	0.005	248	38.9	4	39.1	0.3	12.5	0.14	1.25	8.87
MW-231S	March-95	166	28	176	354	0.005	296	42.6	5	45.8	1.83	15	0.19	1.86	8.8
MW-231S	June-95	155	30	168	356	0.005	284	38.2	25	46.9	0.9	12.4	0.2	1.15	7.38
MW-231S	Sept. - 95	171	25	194	312	0.005	284	32.7	9	52.6	3.32	15.3	0.22	1.9	9.58
MW-231S	Nov-95	172	24	186	319	0.005	288	45.5	0.5	48.6	7.28	15.7	0.28	2.61	21.5
MW-231S	April-96	240	27	350	500	0.001	320	78	0.5	60	7.4	14	0.29	2.1	9.1
MW-231S	June-96	190	20	230	485	0.002	270	40	0.5	59	6.2	14	0.31	1.8	8.2
MW-231S	Sept-96	130	15	220	460	0.001	320	38	1.5	65	5.2	14	0.29	1.7	9
MW-231S	Nov-96	20	22	71	178	0.001	130	2	5.9	21	1.5	4.5	0.05	1.1	12
MW-231S	March-97	35	19	120	308	0.001	130	35	2.2	39	2.1	5.7	0.12	1.8	10
MW-231S	June-97	77	17	170	380	0.001	150	21	2	64	4.4	3.5	0.17	1.7	11
MW-231S	Sept-97	36	20	110	170	0.001	110	37	2.8	37	3.4	3.9	0.13	1.4	13
MW-231S	Dec-97	64	16	120	188	0.001	170	34	2.6	40	2.9	4.8	0.13	1.5	14
MW-231S	Mar-98	150	23	210	412	0.001	260	36	0.5	59	9.1	16	0.33	3.1	9.1
MW-231S	June-98	150	20	230	447	0.001	270	36	0.5	66	11	16	0.53	3.1	9.6
MW-231S	Sept-98	41	21	130	192	0.0038	160	33	2.8	40	6.5	6.7	0.21	3	13
MW-231S	Dec-98	50	20	180	202	0.001	130	33	2.4	60	6	6.5	0.21	0.5	11

TABLE 6 - SHALLOW UPGRADIENT GROUNDWATER - STATISTICAL ANALYSIS

Monitoring Well	Sample Date	ALK (mg/l)	Cl- (mg/l)	Hard (mg/l)	Cond (umhos/cm)	Phenols (mg/l)	TDS (mg/l)	SO4= (mg/l)	TOC (mg/l)	Ca (mg/l)	Fe (mg/l)	Mg (mg/l)	Mn (mg/l)	K (mg/l)	Na (mg/l)
MW-230S	Nov-89	141	33.6	209	385	0.007	288	47.5	2.96		5.71		0.449		
MW-230S	Feb-90	146	36.4	210		0.011	281	49.3	8.48		3.55		0.289		8.3
MW-230S	Apr-90	159	35.2	200	387	0.0025	306	58.2	9.34					1.86	7.04
MW-230S	Nov-90	161	32.3	215	310	0.005	286	54	9.3	77.5	8.07	14.3	0.499		6.9
MW-230S	Feb-91	144	31.8	245	400	0.005	353	51	15	89.2	16.2	15.9	0.9	2.71	
MW-230S	May-91	142	30.8	216	340	0.005	329	53	1.5	72.4	2.31	11.4	0.388	1.24	6.72
MW-230S	Aug-91	144	30.2	210	490	0.005	318	51.8	10.4	62.2	12.1	11.9	0.591	2.3	6.98
MW-230S	Nov-91	176	31	204	480	0.005	284	111	0.5	64.7	10.5	13.2	0.498	2.85	6.04
MW-230S	Feb-92	164	32.2	216	464	0.005	392		6		8.2	18.6	0.472	1.76	6.49
MW-230S	May-92	162	29.5		436	0.005	276	46.6	0.5						
MW-230S	Aug-92	140	31	184	408	0.005	316	72.8	0.5	54.9	8.68	11.3	0.43	2.36	4.74
MW-230S	Dec-92	150	27	183	469	0.005	308	63.2	0.5	55.1	7.96	11	0.324	2.18	7.14
MW-230S	Feb-93	182	30	233	495	0.005	340	48.5	19	63.1	27.6	18.1	1.37	4.13	7.3
MW-230S	May-93	168	28	197	332	0.005	276	73.8	6	61.4	10.8	10.6	0.38	2.79	6.91
MW-230S	Aug-93	176	30	195	383	0.005	320	71.3	0.5	48.3	20.9	17.9	0.574	2.07	9.75
MW-230S	Dec-93	150	29	225	391	0.005	328	47.9	2	61.5	14.4	17.3	0.683	3.07	7.94
MW-230S	Feb-94	160	29	263	461	0.005	240	51.1	0.5	77.2	19.7	17	0.72	3.46	7.38
MW-230S	May-94	164	28	244	356	0.005	272	49.1	13	62	6.04	21.6	0.44	0.69	9.65
MW-230S	Aug-94	140	29	187	423	0.005	280	57	0.5	53.7	1.19	12.8	0.12	1.3	6.43
MW-230S	Nov-94	145	30	159	365	0.005	152	52.9	4	47	0.5	10.1	0.18	0.97	7.37
MW-230S	March-95	165	32	215	356	0.005	272	49	8	66.2	1.83	12	0.38	1.48	6.5
MW-230S	June-95	143	34	299	357	0.005	308	44.5	0.5	67.6	2.64	31.6	0.46	0.99	6.72
MW-230S	Sept. - 95	151	3	202	317	0.005	312	45.2	25	61	6.77	12.1	0.44	2.14	7.4
MW-230S	Nov-95	144	30	166	315	0.005	284	47.7	0.5	48.8	2.43	10.7	0.024	1.51	10.4
MW-230S	April-96	140	28	520	520	0.001	310	110	0.5	78	12	13	0.55	1.8	7.6
MW-230S	June-96	270	27	200	417	0.001	270	32	0.5	65	9.2	11	0.47	1.7	6.5
MW-230S	Sept-96	160	24	230	410	0.001	240	42	1	70	9.1	12	0.44	1.7	7
MW-230S	Nov-96	70	25	110	329	0.001	180	2	1.3	31	2.9	8	0.081	1.8	8.1
MW-230S	March-97	42	24	130	409	0.001	140	48	1.9	42	4.2	6.5	0.19	2.6	6.2
MW-230S	June-97	62	26	140	246	0.001	160	30	1.9	43	5.2	8.1	0.24	2.3	6.4
MW-230S	Sept-97	32	23	130	240	0.001	190	42	2.5	40	7.6	8	0.27	3.1	11
MW-230S	Dec-97	130	17	160	256	0.001	200	41	1.8	46	14	10	0.49	3.9	12
MW-230S	Mar-98	190	30	250	375	0.001	240	38	0.5	73	20	16	0.86	4.1	9.7
MW-230S	June-98	75	30	190	288	0.001	210	37	1.4	52	14	14	0.55	3	9.1
MW-230S	Sept-98	150	30	250	320	0.001	240	32	1.6	77	16	15	0.61	4.1	8.8
MW-230S	Dec-98	130	42	230	373	0.001	230	30	1.4	73	9.1	11	0.37	0.5	7.2
MW-230S	Dec-99	150	33	280	455	0.001	240	37	0.5	86	18	17	0.78	2	7.1
MW-230S	Apr-00	109	28.6	195	400	0.005	222	45	1.1	59	8.82	11.5	0.396	2.77	8.94
MW-230S	Jun-01	127	39.6	223	465	0.002	296	41.9	2.2	69.5	16.9	12	0.759	4.79	10.8
MW-230S	Sept-02	139	39	216	447	0.002	275	39.6	0.5	69.4	0.917	10.3	0.366	0.797	7.68
MW-230S	Apr-04	147	42.5	218	436	0.002	273	34.5	0.5	68.7	5.48	11.2	0.432	1.72	7.89
MW-230S	Jun-05	96.6	31	163	675	0.021	226	39.3	1.48	50.7	0.454	8.79	0.0406	2.4	10.9
MW-230S	Sep-06	180	19	230	113	0.01	310	52	1	69	0.13	14	0.37	5	8.2
MW-230S	Dec-07	160	50	710	436	0.003	350	18	1	210	58	43	4.2	6.9	11

TABLE 6 - SHALLOW UPGRADIENT GROUNDWATER - STATISTICAL ANALYSIS

Monitoring Well	Sample Date	ALK (mg/l)	Cl- (mg/l)	Hard (mg/l)	Cond (umhos/cm)	Phenols (mg/l)	TDS (mg/l)	SO4= (mg/l)	TOC (mg/l)	Ca (mg/l)	Fe (mg/l)	Mg (mg/l)	Mn (mg/l)	K (mg/l)	Na (mg/l)
MW-203DA	Nov-89	112	14	109	219	0.098	166	27.7	3.46		7.94		0.244		
MW-203DA	Feb-90		11	116		0.0025	176	35.6	0.55		21.7		0.973		
MW-203DA	Apr-90	104	9.2	261	215	0.0025	172	28.9	2.08	42	2	5.6	0.26	1	5.7
MW-203DA	Nov-90	111	8.8	125	200	0.005	176	33	6.3	45.8	3.83	6.59	0.303	1.45	5.37
MW-203DA	Feb-91	106	8.9	134	260	0.132	236	36.1	8.2	42.9	2.39	5.82	0.264	1.16	4.8
MW-203DA	May-91	100	5.3	138	220	0.005	188	29.6	3	44.7	2.7	6.25	0.328	1.45	5.46
MW-203DA	Aug-91	102	7.3	130	310	0.005	197	34	9.8	37.5	2.27	5.74	0.281	0.71	5.53
MW-203DA	Nov-91	102	8	117	302	0.005	168	28	2	28.3	21	9.14	0.607	5.6	4.97
MW-203DA	Feb-92	126	14	84	296	0.005	188		2	37.5	1.9	5.41	0.199	0.79	4.25
MW-203DA	May-92	106	5.5	116	308	0.005	180	27	1						
MW-203DA	Aug-92	96	7.5	109	264	0.005	184	48.2	0.5	34.7	2.27	5.34	0.224	1.34	3.83
MW-203DA	Dec-92	140	5.5	107	295	0.005	132	48.9	0.5	33.7	3.06	5.65	0.186	1.27	5.29
MW-203DA	Feb-93	110	6.5	90.9	312	0.005	240	48.5	6	26.6	7.14	5.96	0.361	2.11	4.53
MW-203DA	May-93	104	6.5	113	224	0.005	168	71.2	4	36.4	3.34	5.41	0.217	1.44	5.59
MW-203DA	Aug-93	110	7	42	266	0.005	184	85.1	0.5	33.9	3.15	6	0.21	0.58	7.56
MW-203DA	Dec-93	112	7	130	288	0.005	192	106	0.5	40.3	4.07	7	0.358	1.43	5.96
MW-203DA	Feb-94	108	7.5	118	303	0.005	164	46.5	0.5	37	3.17	6.1	0.26	1.08	5.03
MW-203DA	May-94	108	6	126	249	0.005	176	24.4	14	38.8	2.9	7	0.32	0.25	6.48
MW-203DA	Aug-94	100	7.5	125	279	0.005	216	32.7	1	40.6	1.42	5.66	0.22	1.13	4.5
MW-203DA	Nov-94	105	8	100	262	0.005	192	35.6	0.5	31.6	0.5	5.02	0.17	0.61	5.79
MW-203DA	March-95	107	12	118	261	0.021	192	36.9	41	37.2	1.71	6	0.25	1.24	5
MW-203DA	June-95	103	11	121	256	0.005	184	28.4	7	39.8	0.46	5.34	0.23	0.9	5.4
MW-203DA	Sept. - 95	115	8	124	243	0.005	204	26.6	3	40.2	1.63	5.86	0.27	0.97	5.7
MW-203DA	Nov-95	112	7	110	238	0.005	196	47.7	0.5	35.4	1.1	5.38	0.2	1.01	7.58
MW-203DA	April-96	110	7.6	290	286	0.001	210	57	1.9	52	4.2	7.1	0.4	1.1	5.1
MW-203DA	June-96	110	3.7	360	285	0.001	190	32	0.5	41	0.91	5.5	0.19	0.67	4.3
MW-203DA	Sept-96	130	2	190	280	0.001	200	74	0.5	56	22	12	0.85	2.4	5
MW-203DA	Nov-96	110	7.5	130	270	0.0056	170	73	0.5	40	4.5	6.6	0.25	1.2	4.7
MW-203DA	March-97	120	7.3	230	298	0.001	160	37	1.4	69	24	14	0.99	3.7	3.5
MW-203DA	June-97	130	6.7	210	264	0.001	190	38	0.5	63	17	12	0.77	2.1	4.1
MW-203DA	Sept-97	120	10	180	280	0.001	230	36	0.5	54	20	12	0.82	2.6	5.6
MW-203DA	Dec-97	150	8.4	250	293	0.001	240	48	1	74	34	17	1.3	3.6	5.8
MW-203DA	Mar-98	150	7.4	600	306	0.001	200	43	0.5	170	89	45	3.7	10	7.7
MW-203DA	June-98	170	6.5	510	246	0.001	210	29	1	140	94	39	3.5	9.3	7.7
MW-203DA	Sept-98	140	7.2	330	278	0.001	210	26	0.5	92	63	25	1.8	7.8	6.7
MW-203DA	Dec-98	130	10	1300	283	0.001	160	24	1	350	270	100	9.9	3	8.3

TABLE 6 - SHALLOW UPGRADIENT GROUNDWATER - STATISTICAL ANALYSIS

Monitoring Well	Sample Date	ALK (mg/l)	Cl- (mg/l)	Hard (mg/l)	Cond (umhos/cm)	Phenols (mg/l)	TDS (mg/l)	SO4= (mg/l)	TOC (mg/l)	Ca (mg/l)	Fe (mg/l)	Mg (mg/l)	Mn (mg/l)	K (mg/l)	Na (mg/l)
MW-208SA	Mar-90	148	38.2	205		0.02	284	97.3	3.08		0.799		0.374		15
MW-208SA	Apr-90	147	37.8	200	398	0.0025	298	41.6	2.28	76	11	13	0.68	2.6	16
MW-208SA	Nov-90	161	38.2	215	330	0.005	304	54	4.7	78.5	7.89	12.6	0.609	2.12	15.5
MW-208SA	Feb-91	154	42.7	218	450		365	47	12.1	71	2.37	10.2	0.464	1.26	15.6
MW-208SA	May-91	150	42.5	224	440	0.005	347	44.8	0.5	78.2	3.21	11.5	0.625	1.46	15.4
MW-208SA	Aug-91	160	52.1		570	0.005	384	52.8	13.4	66.9	5.42	10.7	0.512	1.47	15.4
MW-208SA	Nov-91	156	42	186	545	0.005	316	41.4	0.5		0.696	6.6	0.132	0.82	10.3
MW-208SA	Feb-92	156		101	528	0.005		22.8	3	67.7	1.97	10.1	0.384	0.85	14.8
MW-208SA	May-92	156	45.5	211	522	0.005	320	42	0.5						
MW-208SA	Aug-92	154	48	196	486	0.005	364	54.1	0.5	62.7	2.56	9.68	0.386	1.89	13.6
MW-208SA	Dec-92	186	46	190	586	0.005	360	61.1	0.5	59.6	3.9	9.95	0.261	1.89	16.4
MW-208SA	Feb-93	168	45	162	561	0.005	376	44.5	11	50.3	5.03	8.75	0.499	1.95	16.4
MW-208SA	May-93	162	47	198	364	0.005	272	75.1	7	63.2	5.13	9.79	0.393	2.45	19
MW-208SA	Aug-93	172	45	211	412	0.005	340	54.2	0.5	61.7	3.35	13.9	0.331	1.4	19.3
MW-208SA	Dec-93	170	44	229	511	0.005	348	83.3	10	72	3.82	11.8	0.381	1.72	18.4
MW-208SA	Feb-94	170	50	226	574	0.005	296	55.6	0.5	72.5	3.9	11	0.419	1.66	19.4
MW-208SA	May-94	172	49	205	432	0.005	340	47.2	19	64.7	2.76	10.5	0.46	0.81	18.1
MW-208SA	Aug-94	160	47	221	529	0.005	328	59.4	0.5	71.7	0.53	10.1	0.41	1.39	14.9
MW-208SA	Nov-94	186	51	179	445	0.005	352	42.2	0.5	55.8	0.34	9.54	0.32	1.14	19.1
MW-208SA	March-95	125	50	218	417	0.005	344	48.2	9	66.4	2.43	12.6	0.56	2.49	19.4
MW-208SA	June-95	170	51	233	421	0.005	392	44	6	75.4	3.81	10.8	0.63	1.52	16.6
MW-208SA	Sept. - 95	169	47	236	372	0.005	384	48.5	0.5	76.1	2.47	11.1	0.46	1.6	19.8
MW-208SA	Nov-95	168	44	226	389	0.005	372	74.2	6	66.8	9.46	14.3	0.62	2.05	26
MW-208SA	April-96	170	49	320	540	0.001	350	91	2.3	78	5.3	10	0.47	1.4	21
MW-208SA	June-96	210	28	100	528	0.001	340	49	7.8	67	16	11	0.58	2.1	17
MW-208SA	Sept-96	250	4	270	550	0.001	310	100	12	61	39	16	1.2	3.4	19
MW-208SA	Nov-96	200	23	200	513	0.001	320	100	21	51	36	11	0.74	2.4	14
MW-208SA	March-97	230	23	210	561	0.001	310	44	30	64	55	13	0.85	2.8	9.3
MW-208SA	June-97	210	36	230	464	0.001	330	38	9.4	72	18	12	0.53	1.7	13
MW-208SA	Sept-97	210	9.1	200	500	0.001	340	38	7.4	64	15	10	0.45	1.8	20
MW-208SA	Dec-97	240	9.2	190	436	0.001	260	37	23	55	48	13	0.78	2.9	13
MW-208SA	Mar-98	170	7.4	200	436	0.001	280	63	18	56	65	15	0.95	2.1	10
MW-208SA	June-98	180	7.5	160	374	0.001	260	39	24	46	29	12	0.7	1.8	10
MW-208SA	Sept-98	180	13	200	431	0.001	310	47	14	55	24	14	0.79	2.5	15
MW-208SA	Dec-98	180	24	200	441	0.001	270	61	28	60	30	11	0.61	0.5	15
Mean	= AVERAGE	143.04	23.63	203.06	369.86	0.006	255.90	47.70	4.94	59.94	12.42	13.14	0.55	2.19	9.99
Standard Deviation	= STDEV	41	14	124	104	0.014	66	20	7	34	26	10	1.0	1	5
Count	= COUNT	149	150	149	146	150	149	149	151	138	147	139	147	139	141
Confidence Interval	= CONFIDENCE (99%)	8.75	2.86	26.17	22.12	0.003	13.90	4.14	1.45	7.41	5.57	2.17	0.20	0.33	1.01
Lower Limit		134	21	177	348	0.003	242	44	3	53	7.2	11	0.3	2	9
Upper Limit		152	26	225	382	0.009	270	52	6	67	18	16	0.8	3	11

(1)The upper confidence level for the average is based on the mean plus the 99% confidence interval. The 99% confidence interval is calculated from the standard deviation.

TABLE 7 - SHALLOW GROUNDWATER DATA COMPARISON WITH UPPER CONFIDENCE INTERVAL

Parameter	Units	Upper Confidence Level for the Average ⁽¹⁾	PZ	MW 3B	MW 207SA	MW 220	MW 221S	MW 222
Alkalinity	mg/l CaCO ₃	152	210	490	520	510	450	910
Chloride	mg/l	26	32	90	12	20	15	98
Hardness	mg/l CaCO ₃	239	420	440	590	720	610	820
Conductance, field	umhos/cm	392	761	1150	820	1210	910	2000
Total Phenols	mg/l	0.009	< 0.003	0.0037	< 0.003	< 0.003	< 0.003	< 0.003
TDS	mg/l	270	310	210	300	800	590	1000
Sulfate	mg/l	52	230	19	5.7	130	23	30
TOC	mg/l	6.39	< 1	4.8	3.4	3.8	3.6	15
Calcium, total	ug/l	67	120	160	170	210	200	240
Iron, total	ug/l	18	2.4	1.5	45	10	27	34
Magnesium, total	ug/l	15	28	34	40	49	26	53
Manganese, total	ug/l	0.75	0.67	0.99	1.3	3.1	1.8	0.73
Potassium, total	ug/l	2.51	2.9	4.3	6.8	8.7	6.3	16
Sodium, total	ug/l	11	18	58	9.5	19	12	83

Shading denotes value greater than upper confidence level for the average.

⁽¹⁾The upper confidence level for the average is based on the mean plus the 99% confidence interval. The 99% Confidence interval is calculated from the standard deviation.

TABLE 7 - SHALLOW GROUNDWATER DATA COMPARISON WITH UPPER CONFIDENCE INTERVAL

Parameter	Units	Upper Confidence Level for the Average ⁽¹⁾	MW 223S	MW 303 S	MW 304 S	MW 230S	MW 233S	MW 234S	MW 245S
Alkalinity	mg/l CaCO ₃	152	550	520	530	160	360	240	340
Chloride	mg/l	26	12	15	18	50	3.6	3.8	4.4
Hardness	mg/l CaCO ₃	229	700	560	540	710	530	350	590
Conductance, field	umhos/cm	392	1060	854	950	436	980	580	970
Total Phenols	mg/l	0.009	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
TDS	mg/l	270	626	540	510	350	590	390	600
Sulfate	mg/l	52	79	17	<1	18	82	58	7.5
TOC	mg/l	6.39	3.9	4.8	5.1	<1	4.7	1.6	2.3
Calcium, total	ug/l	62	200	180	160	210	150	110	170
Iron, total	ug/l	18	11	15	29	58	0.18	1.3	21
Magnesium, total	ug/l	15	51	26	33	43	42	20	42
Manganese, total	ug/l	0.75	2.3	1.6	3.6	4.2	2.8	0.61	2.1
Potassium, total	ug/l	2.51	2.8	4	5	6.9	3.1	1.2	5
Sodium, total	ug/l	11	19	8	15	11	1.7	3.5	21

⁽¹⁾The upper confidence level for the average is based on the mean plus the 99% confidence interval. The 99% Confidence interval is calculated from the standard deviation.

TABLE 8 - DEEP UPGRADIENT GROUNDWATER - STATISTICAL ANALYSIS

Monitoring Well	Sample Date	ALK (mg/l)	Cl- (mg/l)	Hard (mg/l)	Cond (umhos/cm)	Phenols (mg/l)	TDS (mg/l)	SO4= (mg/l)	TOC (mg/l)	Ca (mg/l)	Fe (mg/l)	Mg (mg/l)	Mn (mg/l)	K (mg/l)	Na (mg/l)
MW-230D	Nov-89	113	1.5	79.6	136	0.011	135	5	9.22		0.289		0.106		
MW-230D	Feb-90	123	4.6	120		0.00025	174	13.5	3.57	28	0.186	6.6	0.17	1.2	22
MW-230D	Apr-90	124	1.5	90	226	0.00025	184	14.1		27.5	1.6	6.27	0.16	0.913	22.6
MW-230D	Nov-90	130	4.9	130	190	0.005	156	16	9.1	27.5	0.365	6.01	0.125	0.915	22.1
MW-230D	Feb-91	126	5	98	250	0.005	184	13.2	8.6	25.7	0.099	5.84	0.118	0.915	21.6
MW-230D	May-91	124	1.1	94	180	0.005	155	13	1.5	23.6	0.234	5.3	0.12	1.01	22.6
MW-230D	Aug-91	122	2.1	96	300	0.005	170	13.9	4.4	26.1	0.258	5.88	0.14	0.66	17.7
MW-230D	Nov-91	134	3	80.7	290	0.005	157	13	0.5	24.5	0.96	5.49	0.144	1.1	19.9
MW-230D	Feb-92	126	5.9	89.4	280	0.005	160	12.8	3		0.281		0.111	0.62	
MW-230D	May-92	122	2.5	83.8	272	0.005	172	17.8	0.5	22	0.291	5.24	0.115	1.48	17.7
MW-230D	Aug-92	124	4.5	76.5	258	0.005	176	55.1	0.5	20.8	0.217	4.9	0.084	0.85	22.9
MW-230D	Dec-92	138	1.5	72.1	290	0.005	160	43.8	0.5	18.6	0.7	4.6	0.144	1.07	23.6
MW-230D	Feb-93	132	2.5	65.3	315	0.005	180	14.5	7	22.7	0.83	5.23	0.099	1.23	25
MW-230D	May-93	126	1.5	78.2	226	0.005	152	48	4	19	0.607	6.68	0.142	0.25	28.7
MW-230D	Aug-93	128	3	74.9	247	0.005	148	72.5	0.5	24	0.767	6.4	0.163	1.07	23.9
MW-230D	Dec-93	120	2	86.2	262	0.005	140	47.6	2	23	0.656	6	0.106	0.92	22.1
MW-230D	Feb-94	126	2	82.1	282	0.005	156	38.9	0.5	21.2	0.6	5.93	0.12	0.79	21.9
MW-230D	May-94	128	1.5	77.3	245	0.005	180	18.6	16				0.12		
MW-230D	Aug-94	124	2.5	85.5	269	0.005	172	17.9	1	25	0.4	5.6	0.14	0.94	17.5
MW-230D	Nov-94	153	3	70.2	254	0.005	160	30.6	2	19.1	0.23	5.48	0.12	0.78	22.1
MW-230D	March-95	129	2	80.8	248	0.005	164	16.7	5	22.8	0.44	5.6	0.099	0.92	21.8
MW-230D	June-95	125	1.5	82.6	252	0.005	176	21	18	24.8	0.16	5.76	0.13	1.21	19.2
MW-230D	Sept. - 95	125	0.5	67.3	239	0.005	188	16.8	0.5	23.7	0.16	5.7	0.13	1.09	21.3
MW-230D	Nov-95	128	0.5	86	239	0.005	176	21.7	0.5	18.1	0.46	5.38	0.12	1.04	25.2
MW-230D	April-96	140	9.5	160	340	0.001	170	16	16	27	0.78	6.1	0.14	1.2	26
MW-230D	June-96	150	0.5	100	272	0.002	170	12	0.5	25	1.4	6	0.14	1.1	21
MW-230D	Sept-96	130	0.5	89	270	0.0024	150	11	0.5	26	0.9	6	0.13	0.88	22
MW-230D	Nov-96	130	1.9	89	252	0.001	180	39	0.5	25	3.2	6.6	0.16	1.1	19
MW-230D	March-97	130	2.7	92	276	0.001	230	37	1	25	4	6.6	0.21	1.6	15
MW-230D	June-97	150	3.9	83	255	0.001	140	38	0.5	24	1	5.8	0.15	0.5	13
MW-230D	Sept-97	140	4.6	86	260	0.001	180	11	1	25	0.86	5.6	0.16	0.5	21
MW-230D	Dec-97	170	2.7	88	281	0.001	220	6.3	0.5	25	1	5.9	0.2	1	23
MW-230D	Mar-98	170	2.8	82	272	0.001	190	27	0.5	23	0.69	5.6	0.13	0.5	23
MW-230D	June-98	110	1.6	110	260	0.001	180	12	1.1	29	5.8	6.6	0.29	1.9	23
MW-230D	Sept-98	150	3.2	110	269	0.0033	210	14	1.1	30	6.1	8.6	0.43	2.5	21
MW-230D	Dec-98	130	0.5	91	263	0.001	140	12	0.5	27	3.9	5.7	0.17	0.5	18
MW-230D	Mar-99	130	3.6	100	278	0.001	190	13	0.5	29	1.8	6.8	0.19	0.5	20
MW-230D	Apr-00	133	2.83	89.9	275	0.006	156	19	0.5	26.1	0.265	6	0.106	0.865	21.9
MW-230D	Jun-01	122	2.6	88.9	284	0.002	136	14.4	0.5	25.9	0.214	5.89	0.097	1.16	21.7
MW-230D	Sept-02	125	2.53	86.9	277	0.002	187	13.6	0.5	25.4	0.123	5.7	0.109	0.685	21
MW-230D	Apr-04	124	2.39	82.4	230	0.002	143	12.7	0.5	24.1	0.528	5.4	0.181	0.961	20.9
MW-230D	Jun-05	129	5	86.6	642	0.01	164	11.5	1.1	24.5	0.422	6.23	0.103	1.21	23.2
MW-230D	Sept-06	110	590	450	1064	0.036	1300	130	2	110	1.2	41	0.11	6.8	280
MW-230D	Dec-07	120	6.8	85	236	0.003	190	5.5	1.7	24	1.8	6.2	0.35	1.3	27

TABLE 8 - DEEP UPGRADIENT GROUNDWATER - STATISTICAL ANALYSIS

Monitoring Well	Sample Date	ALK (mg/l)	Cl- (mg/l)	Hard (mg/l)	Cond (umhos/cm)	Phenols (mg/l)	TDS (mg/l)	SO4= (mg/l)	TOC (mg/l)	Ca (mg/l)	Fe (mg/l)	Mg (mg/l)	Mn (mg/l)	K (mg/l)	Na (mg/l)
MW-203VD	Nov-89	132	1.5	115		0.005	165	5	1.3		5.11				
MW-203VD	Feb-90	103	11.3	130		0.00025	166	28.4	0.54	29	0.348	12	0.0226	1	11
MW-203VD	Apr-90	130	1.5	108	209.5	0.00025	151	5	2.88	28.4	0.92		0.04	0.867	11.3
MW-203VD	Nov-90	136	3.9	110	180	0.0019	146	10	3	29.4	0.364	11.1	0.023	0.915	10.9
MW-203VD	Feb-91	132	2	118	240	0.005	185	11.5	10	27.4	0.13	10.6	0.026	1.02	10.9
MW-203VD	May-91	130	0	116	180	0.005	157	6.25	1.5		0.184	10.7	0.038	0.75	11.2
MW-203VD	Aug-91	128	0.5	116	290	0.005	167	9	4.5	24.8	0.928	10.6	0.051	1.39	9.55
MW-203VD	Nov-91	130	3	106	272	0.005	156	11.4	0.5	25.8	2.2	11.3	0.023	0.69	9.94
MW-203VD	Feb-92	148	3	111	268	0.005	164	7.1	3	25.7	0.699	10.9			
MW-203VD	May-92	128	0.5	109	259	0.005	124	14.2	0.5						
MW-203VD	Aug-92	128	2.5	98.7	241	0.005	164	15.2	0.5	23.7	1.08	9.6	0.029	1.41	9.14
MW-203VD	Dec-92	122	0.5	108	268	0.005	186	45.8	0.5	24.8	1.77	11.3	0.036	1.23	11.4
MW-203VD	Feb-93	132	0.5	78.7	284	0.005	180	8.6	10	18.5	1.08	7.9	0.041	1.06	10.5
MW-203VD	May-93	130	1.5	95.3	209	0.005	140	49.3	15	23.2	0.56	9.09	0.033	1.02	12.1
MW-203VD	Aug-93	130	0.5	114	239	0.005	156	52.4	0.5	20.3	0.869	15.3	0.067	0.44	15.8
MW-203VD	Dec-93	126	0.5	113	233	0.005	140	66.2	8	25.1	1.6	12.2	0.048	1.19	12.7
MW-203VD	Feb-94	132	0.5	142	270	0.005	136	38.2	0.5	27.2	1.86	18	0.035	1.11	11.2
MW-203VD	May-94	136	0.5	96.7	230	0.005	146	18.6	12	21.9	0.37	10.2	0.037	0.61	11.4
MW-203VD	Aug-94	124	0.5	74.6	260	0.005	148	14.6	0.5	12.9	0.24	10.3	0.011	0.92	9.09
MW-203VD	Nov-94	145	1	83.8	238	0.005	260	31.4	9	18.4	0.22	9.2	0.028	1.26	10.8
MW-203VD	March-95	129	0.5	102	242	0.035	160	11.7	14	23.2	0.66	10.6	0.01	1.08	11.2
MW-203VD	June-95	129	2	108	239	0.005	148	4.3	7	25	0.11	11	0.022	1	9.65
MW-203VD	Sept. - 95	133	0.5	104	223	0.005	164	9.1	8	24.5	0.34	10.3	0.044	1	10.5
MW-203VD	Nov-95	136	0.5	99.2	235	0.005	168	24.5	18	22.9	1.04	10.2	0.056	1.32	13.5
MW-203VD	April-96	150	8.6	160	260	0.001	160	10	0.5	29	0.4	11	0.028	1.4	14
MW-203VD	June-96	160	0.5	220	265	0.001	160	6.5	0.5	23	0.13	9.3	0.023	0.93	10
MW-203VD	Sept-96	120	0.5	100	260	0.001	170	13	0.5	24	0.4	10	0.05	1.1	10
MW-203VD	Nov-96	130	0.5	110	241	0.001	150	2.5	0.5	26	0.36	10	0.024	0.5	9.9
MW-203VD	March-97	150	0.5	110	252	0.001	170	10	1	26	0.45	10	0.023	1	6.8
MW-203VD	June-97	150	0.5	120	236	0.001	140	6.9	0.5	28	0.8	11	0.032	1	8.4
MW-203VD	Sept-97	170	39	100	250	0.001	160	6.4	1.1	25	0.26	9.6	0.024	0.5	11
MW-203VD	Dec-97	150	1.9	110	272	0.001	150	28	0.5	27	0.25	10	0.033	0.5	10
MW-203VD	Mar-98	170	0.5	120	274	0.001	150	27	0.5	29	0.76	11	0.031	1	11
MW-203VD	June-98	350	0.25	120	273	0.001	180	5.8	0.5	28	1.4	12	0.052	1.1	11
MW-203VD	Sept-98	150	2.4	120	244	0.001	160	9.6	1.1	27	1.1	12	0.037	1.3	11
MW-203VD	Dec-98	140	1.6	98	242	0.001	120	8.6	0.5	26	1.1	8	0.037	0.5	8.3

TABLE 8 - DEEP UPGRADIENT GROUNDWATER - STATISTICAL ANALYSIS

Monitoring Well	Sample Date	ALK (mg/l)	Cl- (mg/l)	Hard (mg/l)	Cond (umhos/cm)	Phenols (mg/l)	TDS (mg/l)	SO4= (mg/l)	TOC (mg/l)	Ca (mg/l)	Fe (mg/l)	Mg (mg/l)	Mn (mg/l)	K (mg/l)	Na (mg/l)
MW-208VD	Mar-90	102	8	94.4		0.022	172	36.9	7.41		0.782		0.128		
MW-208VD	Apr-90	103	4.7	98.6	206.5	0.00025	158	25.1	2.48	32	2.4	7.6	0.17	1.3	16
MW-208VD	Nov-90	113	5.9	110	210	0.0025	182			31.9	0.989	7.16	0.114	0.962	12.3
MW-208VD	Feb-91	102	6	114	250	0.005	225	28.8	7.6	31.2	0.177	6.75	0.11	0.928	11.6
MW-208VD	May-91	102	3.2	112	190	0.005	180	27.4	1.5	31.5	1.61	7.48	0.155	1.18	11.9
MW-208VD	Aug-91	102	5.2	108	300	0.005	169	30	10	28.3	1.14	6.7	0.15	0.75	11.2
MW-208VD	Nov-91	110	6	96.3	278	0.005	160	29.2	0.5		3.72	10.4	0.487	1.78	13.1
MW-208VD	Feb-92	178	48.5	282	282	0.005			3	21.2		11.3	0.42		12.7
MW-208VD	May-92	100	4.5	98.9	265	0.005	132	28.6	0.5			6.22	0.132	1.24	7.71
MW-208VD	Aug-92	100	7.5	90.3	256	0.005	172	32.8	0.5	25.9	1.13	7.95	0.152	2.65	11.9
MW-208VD	Dec-92	114	4	89	277	0.005	204	56	0.5	22.5	6.99	7.32	0.207	1.61	10.5
MW-208VD	Feb-93	110	4.5	76.4	294	0.005	200	42	8	20.2	3.71	6.32	0.207	0.99	11.3
MW-208VD	May-93	102	4	96.6	225	0.005	160	62.2	4	28.9	1.04	5.93	0.11		
MW-208VD	Aug-93	104	4	88.5	234	0.005	164	50.5	0.5	19.3	7.57	9.8	0.198	1.81	13.1
MW-208VD	Dec-93	100	5	106	258	0.005	168	80.7	0.5	30.4	0.277	7.2	0.141	0.79	12.2
MW-208VD	Feb-94	102	0.5	95.6	270	0.005	148	44.3	0.5	27.4	0.287	6.6	0.124	0.67	10.3
MW-208VD	May-94	104	3	96	236	0.005	168	22.4	9	27.3	1.41	6.68	0.13	0.56	10.7
MW-208VD	Aug-94	100	4.5	104	264	0.005	164	31.1	1	27.3	4.64	8.7	0.23	2.16	9.45
MW-208VD	Nov-94	121	5	84.5	246	0.005	184	37.2	0.5	22.9	0.26	6.64	0.13	0.78	14.1
MW-208VD	March-95	114	5	100	252	0.005	178	33.7	6	27.6	1.37	7.6	0.17	1.36	11.8
MW-208VD	Sept. - 95	101	7	104	235	0.005	172	28.4	16	28.1	0.08	6.42	0.15	1.3	8.42
MW-208VD	Nov-95	100	5	95.3	235	0.005	192	40.5	0.5	27.3	0.17	6.6	0.14	0.87	12.1
MW-208VD	April-96	210	9.5	150	260	0.001	180	55	8.5	37	1.2	7.5	0.18	1.3	12
MW-208VD	June-96	130	1.9	100	271	0.0026	170	23	1	30	0.7	6.6	0.14	0.82	9.9
MW-208VD	Sept-96	170	0.5	110	260	0.001	150	26	1.5	31	0.34	7	0.15	0.5	8.9
MW-208VD	Nov-96	110	3.7	93	257	0.001	200	30	0.5	26	0.38	6.6	0.14	0.5	8.6
MW-208VD	March-97	180	5.4	94	385	0.001	190	29	0.5	28	0.22	5.9	0.13	0.5	10
MW-208VD	June-97	140	5.3	110	263	0.001	180	22	0.5	33	0.57	6.9	0.13	0.81	8.9
MW-208VD	Sept-97	140	5.5	99	260	0.001	160	28	1.6	30	0.28	6.1	0.13	0.5	10
MW-208VD	Dec-97	120	4.6	100	299	0.001	160	38	0.5	31	0.44	6.1	0.15	0.5	11
MW-208VD	Mar-98	140	5.6	120	325	0.001	180	36	0.5	35	0.3	7	0.15	0.5	11
MW-208VD	June-98	110	5.8	110	261	0.001	160	26	1.4	32	0.31	6.7	0.14	0.5	10
MW-208VD	Sept-98	120	6	110	267	0.001	210	26	1.2	33	0.32	7.4	0.15	0.92	9.7
MW-208VD	Dec-98	110	7	110	296	0.001	150	23	0.5	34	1.1	5.7	0.15	0.5	8.4
Mean	= AVERAGE	131	9	104	257	0.004	178	25	3	27	1	8	0.12	1.06	17
Standard Deviation	= STDEVP	28	55	38	90	0.005	108	19	4	9	1	4	0.08	0.70	26
Count	= COUNT	115	115	114	111	115	114	113	113	106	111	107	111	106	107
Confidence Interval	= CONFIDENCE (99%)	7	13	9	22	0.001	26	5	1	2	0.4	1	0.02	0.17	7
Lower Limit	MEAN-CONFIDENCE	124	4	94	245	0.003	152	21	2	24	0.8	7	0.10	0.89	11
Upper Limit	MEAN+CONFIDENCE	137	22	113	269	0.005	204	30	4	29	1.5	9	0.14	1.23	24

(1)The upper confidence level for the average is based on the mean plus the 99% confidence interval. The 99% confidence interval is calculated from the standard deviation.

TABLE 9 - DEEP GROUNDWATER DATA COMPARISON WITH UPPER CONFIDENCE INTERVAL

Parameter	Units	Upper Confidence Level for the Average	MW 207D	MW 221D	MW 223D	MW 230D	MW 303 D	MW 304 D	MW 234D	MW 245D
Alkalinity	mg/l CaCO ₃	137	309	120	530	120	280	380	240	340
Chloride	mg/l	22	14	56	18	6.8	130	43	36	23
Hardness	mg/l CaCO ₃	113	480	190	610	85	240	460	340	350
Conductance, field	umhos/cm	269	665	398	1060	236	1150	970	628	785
Total Phenols	mg/l	0.006	< 0.003	< 0.003	< 0.003	< 0.003	0.0042	< 0.003	< 0.003	< 0.003
TDS	mg/l	204	510	230	640	190	640	460	420	470
Sulfate	mg/l	36	150	8.5	100	5.5	130	15	52	58
TOC	mg/l	4	2.7	< 1	2.9	1.7	1.8	3	1.4	2.2
Calcium, total	ug/l	29	140	45	170	24	57	130	100	96
Iron, total	ug/l	1.5	11	0.25	2.8	1.8	1.1	15	1.5	1.3
Magnesium, total	ug/l	9	30	19	44	6.2	23	33	21	27
Manganese, total	ug/l	0.14	2.2	< 0.01	1.4	0.35	0.06	0.74	0.58	0.37
Potassium, total	ug/l	1.23	3.7	3.4	1.9	1.3	7.4	6	2.9	4.3
Sodium, total	ug/l	24	13	15	15	27	173	28	23	49

Shading denotes value greater than upper confidence level for the average.

(1) The upper confidence level for the average is based on the mean plus the 99% confidence interval. The 99% confidence interval is calculated from the standard deviation.

TABLE 10 - UPSTREAM/DOWNSTREAM SURFACE WATER QUALITY - STATISTICAL ANALYSIS RESULTS AND COMPARISON

Sample Location	Sample Date	ALK (mg/l)	NH3 (mg/l)	Cl- (mg/l)	Hard (mg/l)	NO3- (mg/l)	Phenols (mg/l)	SO4= (mg/l)	TOC (mg/l)	Ca (mg/l)	Fe (mg/l)	Mg (mg/l)	Mn (mg/l)	K (mg/l)	Na (mg/l)
SW-3	Nov-91	126	0.13	46	191	0.4	0.005	60.2	0.5	51.8	2.7	13.1	0.167	2.75	21.3
SW-3	Feb-92	84	0.18	31.7	113	0.27	0.005	41.6	6	31.1	4.63	8.63	0.135	1.83	12.9
SW-3	May-92	122	0.06	50	134	0.88	0.005	12.6	0.5	36.70	0.59	10.30	0.08	1.06	15.0
SW-3	Aug-92	122	0.02	42	150	1.08	0.005	45.6	0.5	41.6	0.591	11.2	0.069	2.78	14
SW-3	Dec-92	122	0.2	31.5	117	0.01	0.005	64.4	0.5	32.1	0.345	9.05	0.050	1.69	17.2
SW-3	Feb-93	120	0.08	46.5	115	1.18	0.005	32.5	12	30.2	0.299	9.50	0.072	1.36	22.3
SW-3	Jun-93	134	0.01	39.0	156	1.2	0.005	74.4	5	42	0.841	12.4	0.075	1.9	21.2
SW-3	Sep-93	168	0.01	56.0	169	0.93	0.005	75.2	2.0	44.2	1.61	23.6	0.097	2.68	30.0
SW-3	Dec-93	60.0	0.01	25.0	114	1.6	0.005	46.0	13.0	30.2	0.909	9.3	0.080	1.64	12.1
SW-3	Mar-94	68.0	0.01	41.0	111	0.81	0.005	59.6	9.0	29.6	0.453	8.9	0.049	1.59	19.5
SW-3	Jun-94	140	0.01	39.0	161	0.70	0.005	25.3	0.5	42.4	0.36	13.4	0.066	1.29	20.1
SW-3	Aug-94	60	0.01	24.5	89.2	0.87	0.005	58.5	9	25.6	0.95	6.15	0.01	2.22	9.86
SW-3	Nov-94	71	0.16	30	82.4	0.92	0.013	43.6	10	20.5	1.02	7.6	0.13	2.82	13.5
SW-3	March-95	112	0.07	35	147	0.76	0.005	22.3	5	29	0.37	11	0.051	1.12	16
SW-3	June-95	121	0.11	45	166	1.17	0.005	29.9	2	40.8	0.55	15.5	0.11	2.06	20.6
SW-3	Sept.-95	126	0.16	58	173	1.26	0.005	41	12	38.4	0.88	18.8	0.088	3.92	26.7
SW-3	Dec-95	96	0.06	34	120	1.12	0.005	46	0.5	29.8	0.36	11	0.061	1.64	20.7
SW-3	April-96	100	0.015	39	180	0.18	0.001	28	6.1	34	0.33	11	0.041	1.7	20
SW-3	June-96	130	0.015	35	170	0.71	0.001	38	6.8	42	1.1	13	0.12	2	22
SW-3	Sept-96	96	0.015	22	120	0.64	0.0053	29	11	34	1.1	9.4	0.08	1.8	15
SW-3	Nov-96	100	0.015	29	110	0.88	0.001	22	6.1	30	0.43	9.5	0.05	1.4	14
SW-3	March-97	92	0.015	40	82	0.71	0.001	24	4.9	24	0.41	5.3	0.09	1.1	12
SW-3	Sept-97	170	0.015	41	140	0.63	0.002	29	8.5	36	1.2	11	0.086	2	21
SW-3	Dec-97	200	0.015	29	86	0.23	0.002	47	11	25	0.27	5.6	0.049	1.5	17
SW-3	Mar-98	56	0.015	32	90	0.36	0.002	33	6.9	20	0.59	4.8	0.04	1.3	17
SW-3	June-98	53	0.015	14	65	1.1	0.001	12	9.5	18	3.2	4.9	0.12	2.4	8.3
SW-3	Sept-98	200	0.015	61	220	0.78	0.001	39	5	55	2	21	0.12	4.3	29
SW-3	Dec-98	150	0.015	76	190	0.91	0.001	26	5.5	51	1.2	14	0.11	0.5	23
SW-3	Dec-00	45.8	0.05	30.6	95.2	1.54	0.0066	34	8.9	27.9	0.921	6.2	0.113	2.25	14.9
SW-3	March-01	72.8	0.05	39.7	101	1.12	0.002	33	5	26.8	0.696	8.27	0.044	1.41	18.4
SW-3	June-01	72.3	0.05	40.3	100	0.479	0.002	20.1	20	29.2	1.53	6.63	0.163	1.75	19
SW-3	Sept-01	171	0.05	73.8	237	0.67	0.002	44.6	5.3	60	0.97	21.2	0.135	3.4	38
SW-3	Dec-01	143	0.05	63.8	200	0.95	0.0232	35	4.2	51.4	0.878	17.3	0.122	3.11	32.1
SW-3	Mar-02	92.3	0.05	77.9	156	0.724	0.002	55.8	6.4	44	0.544	11.2	0.099	1.75	30.2
SW-3	June-02	113	0.05	49.3	144	0.784	0.002	29.3	7.9	38.9	0.736	11.5	0.099	1.78	24.6
SW-3	Sept-02	155	0.189	78.5	232	1.34	0.002	66.6	5.6	61.5	1.34	19.1	0.148	4.32	36.6
SW-3	Dec-02	50.9	0.05	38.9	123	0.64	0.002	54	9	33.8	0.386	9.46	0.065	4.38	19
SW-3	Apr-04	96.4	0.05	48	118	0.5	0.002	17.4	6.4	31.9	1.19	9.2	0.118	2.11	22
SW-3	Sept-05	188	0.5	81	257	1.01	0.005	38.5	5.9	64	0.248	23.7	0.211	5.45	39.8
SW-3	Dec-07	85	0.03	75	150	1.1	0.003	10	6.3	41	0.36	12	0.078	2.5	40

TABLE 10 - UPSTREAM/DOWNSTREAM SURFACE WATER QUALITY - STATISTICAL ANALYSIS RESULTS AND COMPARISON

Sample Location	Sample Date	ALK (mg/l)	NH3 (mg/l)	Cl- (mg/l)	Hard (mg/l)	NO3- (mg/l)	Phenols (mg/l)	SO4= (mg/l)	TOC (mg/l)	Ca (mg/l)	Fe (mg/l)	Mg (mg/l)	Mn (mg/l)	K (mg/l)	Na (mg/l)
SW-13	Apr-99	93	0.015	43	120	0.58	0.001	23	5.2	31	0.59	10	0.06	1.5	17
SW-13	June-99	150	0.015	53	260	0.55	0.0026	26	5.8	67	8.2	21	1	3.2	37
SW-13	Sept-99	91	0.015	40	200	1.2	0.001	91	11	56	1.2	14	0.15	2.6	23
SW-13	Dec-99	120	0.092	35	190	3.1	0.001	97	10	57	1.3	12	0.2	3.1	16
SW-13	Apr-00	64.9	0.117	30.8	98.4	1.82	0.002	30	7	27.2	1.26	7.4	0.058	1.75	15.3
SW-13	June-00	116	0.05	36.1	140	0.753	0.002	20	10	37.3	0.86	11.4	0.098	1.65	19.4
SW-13	Sept-00	147	0.05	42.5	172	1.17	0.002	28	12	45.4	0.557	14.3	0.095	2.51	21.8
SW-13	Dec-00	52.6	0.05	30.2	96.7	1.67	0.002	36	9	28.1	1.09	6.44	0.111	2.18	14.9
SW-13	March-01	75	0.05	40.2	111	1.2	0.002	30	5	29.2	1.63	9.2	0.123	1.22	18.4
SW-13	June-01	93.7	0.05	43.1	127	1.03	0.0045	21.5	16	34.4	1.36	10.1	0.103	2.36	20
SW-13	Sept-01	175	0.05	71.3	235	0.678	0.002	50.5	5.5	59.4	1.05	21	0.134	3.43	37.6
SW-13	Dec-01	144	0.05	64.4	201	0.96	0.002	36	4.5	52.2	0.889	17.1	0.123	2.98	30.9
SW-13	Mar-02	72.7	0.05	77.5	142	0.729	0.002	55.7	6.1	40	0.561	10.2	0.09	1.6	27.1
SW-13	June-02	106	0.05	50.1	146	0.83	0.002	27.4	8	39.3	0.732	11.7	0.094	1.71	24.8
SW-13	Sept-02	159	0.05	76.5	234	1.38	0.002	66.7	5.7	62	0.793	19.2	0.138	4.18	37
SW-13	Dec-02	53.4	0.05	40.1	123	0.68	0.002	52.7	10	34.9	0.292	8.76	0.048	1.86	18.5
SW-13	Apr-04	102	0.05	49.3	122	0.53	0.002	18.3	6.1	32.9	0.991	9.7	0.092	2.02	22.3
SW-13	Sept-05	187	0.5	82	245	1.15	0.005	38.8	5.75	60.7	0.36	22.7	0.216	5.22	37.9
SW-13	Sept-06	89	0.5	23	140	0.35	0.01	48	18	43	1.3	9.4	0.29	5	16
SW-13	Dec-07	85	0.097	78	150	0.98	0.003	11	6.3	40	0.37	11	0.076	2.5	41
Mean	= AVERAGE	111	0.08	47	149	0.91	0.004	39	7	39	1	12	0.117	2	22
Standard Deviatio	= STDEVP	40	0.11	17	48	0.46	0.003	19	4	12	1	5	0.125	1	8
Count	= COUNT	60	60	60	60	60	59	60	60	60	60	60	60	60	60
Confidence Interv.	= CONFIDENCE (99%)	13	0.04	6	16	0.15	0.001	6	1	4	0.39	2	0.04	0.36	3
Lower Limit	MEAN-CONFIDENCE	98	0.04	41	133	0.75	0.002	33	6	35	0.68	10	0.075	1.99	20
Upper Limit	MEAN+CONFIDENCE	124	0.11	52	165	1.08	0.005	45	8	43	1.47	13.65	0.158	2.71	25
SW-5	Dec-07	90	<0.03	74	150	1.1	<0.003	7.5	6.4	40	0.35	11	0.076	2.4	41
SW-8	Dec-07	85	<0.03	71	150	1.1	<0.003	8.5	6.1	40	0.34	12	0.076	2.5	40

Monitoring Well	Sample Date	Temp (C)	ALK (mg/l)	COD (mg/l)	Cl ₂ (mg/l)	Cond (umho/cm)	Hard (mg/l)	TOC (mg/l)	pH (S.U.)	pH (field)	Phenols (mg/l)	Eh (mv)	SO ₄ = (mg/l)	Turb (NTU)	TDS (mg/l)	NH ₃ (mg/l)	NO ₃ - (mg/l)	BOD ₅ (mg/l)	Color (units)	CN- (mg/l)	Cr++6 (mg/l)	TN (mg/l)	Bromide (mg/l)
MW-303D	Nov-94	11.5	206	21.7	230	107.3	214	8	9.58	<0.010	0.001	-29.5	156	12	77	0.48	0.36	<2.0		0.2	0.05	1.3	4.5
MW-303D	March-95	11	174	9	215	789	157	2	7.63	<0.010	0.001	50	144	5.2	148	0.5	0.07	<2		0.2	0.05	1.3	4.5
MW-303D	March-95	12	166	9	219	789	146	3	7.56	<0.010	0.001	-137.5	130	14	135	0.2	0.26	<2		0.2	0.05	1.3	4.5
MW-303D	Sept-95	12	196	20.8	195	656	165	24	7.05	<0.010	0.001	-117.3	130	12	128	0.37	<0.05	<2		0.37	<0.05	1.3	4.5
MW-303D	Nov-95	10	128	8.2	212	612	164	<1	7.11	<0.010	0.001	-70.2	135	19	170	0.1	0.021	<4		0.1	<0.01	1.3	4.5
MW-303D	April-96	10.6	190	1	11	1410	180	1.2	7	<0.002	0.001	55	120	330	0.066	0.021	<4		0.066	<0.01	1.3	4.5	
MW-303D	June-96	11	200	14	200	1350	250	<1	7.6	<0.002	0.001	84	120	360	0.1	<0.02	<4		0.1	<0.01	1.3	4.5	
MW-303D	Sept-96	11.7	370	15	190	1400	160	<1	7.7	<0.002	0.001	30	130	15	148	0.11	<0.02	<4		0.11	<0.01	1.3	4.5
MW-303D	Nov-96	11.3	300	<1	210	1320	160	1.6	7.9	<0.002	0.001	-45	160	14	20	0.21	<0.02	<4		0.21	<0.01	1.3	4.5
MW-303D	March-97	9.5	220	11	27	1400	170	1.3	7.96	<0.002	0.001	180	74	30	90	0.078	0.057	<4		0.078	<0.01	1.3	4.5
MW-303D	Sept-97	12.5	240	<2	220	1290	150	1.4	7.96	<0.002	0.001	155	120	<1	90	<0.03	0.03	<4		<0.03	<0.01	1.3	4.5
MW-303D	Sept-97	14	260	28	190	1200	170	1.5	7.1	<0.002	0.001	330	120	19	140	0.28	0.11	<4		0.28	<0.01	1.3	4.5
MW-303D	Dec-97	11.3	310	7	190	1320	170	1.5	7.63	<0.002	0.001	-60	120	80	100	0.22	0.029	<4		0.22	<0.01	1.3	4.5
MW-303D	Mar-98	10.7	260	1	210	1280	190	1.1	7.84	<0.002	0.001	-20	120	435	170	0.2	0.054	18		0.2	<0.01	1.3	4.5
MW-303D	June-98	16	240	240	180	1180	180	1.3	6.72	<0.002	0.001	<100	120	45	180	0.21	0.064	<4		0.21	<0.01	1.3	4.5
MW-303D	Sept-98	12.7	240	8.8	230	1220	210	1.8	7.09	<0.002	0.001	-65	110	106	190	0.25	0.064	<4		0.25	<0.01	1.3	4.5
MW-303D	Dec-98	11.1	220	<1	200																		

TABLE 11 - HISTORICAL ANALYTICAL DATA - WATER QUALITY PARAMETERS (EXISTING LANDFILL)

Monitoring Well	Sample Date	Temp (C)	ALK (mg/l)	COD (mg/l)	Cl- (mg/l)	Cond (umhos/cm)	Hard (mg/l)	TOC (mg/l)	pH (S.U.)	pH (field)	Phenols	Eh (mV)	SO4= (mg/l)	Turb (NTU)	TDS (mg/l)	NH3 (mg/l)	NO3- (mg/l)	BOD5 (mg/l)	Color (units)	CN- (mg/l)	Cr+6 (mg/l)	TKN (mg/l)	Bromide (mg/l)
Class G1 Groundwater Quality Standards and Guidelines Values																							
MW-303S	Nov-94	13.5	743	39.1	45	907	1030	30	6.53	0.02	0.02	74.1	118	460	535	2.59	0.31	<2.0		0.2	0.65	2.05	2.85
MW-303S	Mar-95	10.5	580	20	37	664	874	<1	6.5	<0.010		125	120	265	902	1.04	0.2	<2				1.17	0.3
MW-303S	Jun-95	11.5	590	60.5	55	625	647	<1	6.44	<0.010		-63.3	148	465	900	2.09	0.14	<2				3.3	0.2
MW-303S	Sept-95	13.5	869	29.2	56	530	684	40	6.63	<0.010		-60.4	119	2600	852	4.47	<0.05	4				3.15	0.5
MW-303S	Nov-95	11	484	32.5	33	493	632	<1	6.52	<0.010		-39.3	130	300	900	0.97	<0.05	8	15	<0.004	<0.004	1.26	<0.2
MW-303S	Apr-96	8.7	690	30	38	1770	920	4.2	6.5	<0.002		90	130	>900	900	0.01	0.03	23	500	<0.01	<0.01	9.7	<2
MW-303S	June-96	11.4	650	43	5	1440	680	2.6	6.3	<0.002		36	120	>900	900	0.01	0.03	10				6.7	<2
MW-303S	Sept-96	13.1	1000	7.8	13	1600	730	21	6.3	<0.002		-15	130	24	900	2.2	<0.02	8.5				9	<2
MW-303S	Nov-96	11.6	650	58	23	1470	660	4.3	6.45	<0.002		5	62	280	310	7.4	<0.02	11	25	<0.01	<0.01	8.9	<2
MW-303S	March-97	9	710	17	27	1650	660	3.8	6.31	<0.002		40	96	>999	999	0.01	<0.02	16				7.0	<2
MW-303S	June-97	12	280	57	28	1400	820	3.9	6.31	<0.002		150	87	1200	900	0.01	0.026	9.8				10	<2
MW-303S	Sept-97	14	700	21	32	1300	820	4.7	6.32	<0.002		-35	96	>999	999	0.01	<0.02	13				13	<2
MW-303S	Dec-97	11	1200	47	27	1460	930	4.9	6.52	<0.002		85	100	>999	999	0.01	<0.02	9.8				8	<2
MW-303S	Mar-98	10.2	860	15	22	1370	840	4.2	7.05	<0.002		-75	51	819	835	0.024	0.024	11	50	<0.01	<0.01	8.3	<1
MW-303S	June-98	15.8	640	<3	12	1120	650	3.9	6.54	<0.002		35	45	>999	999	0.01	<0.02	7.8				7.5	<1
MW-303S	Sept-98	13.2	730	30	16	1260	980	4.8	6.35	<0.002		-45	27	942	793	0.01	<0.02	20				5.8	<1
MW-303S	Dec-98	9.6	620	160	20	1240	1400	4.9	6.8	<0.002		-75	81	>999	999	0.01	<0.02	15				8.1	<0.1
MW-303S	Apr-99	10.5	630	13	30	1380	920	4.1	7.02	<0.002		-35	67	>999	999	0.01	<0.02	12				9	0.23
MW-303S	Jun-99	12.6	620	23	28	1280	1100	4.1	6.19	<0.002		65	98	>999	999	0.01	<0.02	12				5.46	<1
MW-303S	Sept-99	14.6	660	20	24	1320	1200	4.2	8.02	<0.002		-29	89	60	775	4.36	<0.05	4				3.96	<1
MW-303S	Apr-00	9.7	636	<10	19.2	1240	653	3.2	6.81	<0.002		-84	30	121	600	4.31	<0.05	6				4.69	<1
MW-303S	Jun-00	14.7	566	13.5	22	875	611	3.6	6.91	<0.002		-43	12	29	616	3.9	<0.05	<3				3.68	<1
MW-303S	Sept-00	13.2	586	17.5	16.7	1136	543	3.6	6.77	<0.004		-12	23	3.8	835	4.23	<0.05	5				5.04	<1
MW-303S	Dec-00	10.4	637	<10	18.4	1206	625	<1	7	<0.004		-40	48	6.7	835	4.23	<0.05	4	175	<0.01	<0.01	4.71	<1
MW-303S	Mar-01	9.7	640	<10	19.9	1221	585	4.2	6.9	<0.004		-74	25.5	5.5	640	4.39	<0.1	6				3.32	<1
MW-303S	Jun-01	14.5	594	10.6	23	1226	559	5.0	6.65	<0.004		-188	15.9	90.3	601	3.72	<0.1	4				5.18	<1
MW-303S	Sept-01	14.3	576	<10	21.7	1142	528	3	6.89	<0.004		-82	22	24.9	686	4.48	<0.1	<3				4.13	<1
MW-303S	Dec-01	12.1	589	12.6	22.1	1245	587	2.8	6.79	<0.004		-48	41.2	8.62	702	3.99	<0.1	4				1.32	<1.00
MW-303S	Mar-02	10.9	746	<10	23.8	1185	597	3.1	7.04	<0.004		-71	32.5	5.7	712	3.14	<0.1	6				1.7	<1
MW-303S	Jun-02	13.6	607	<10	23.8	1226	587	4	7	<0.004		-86.3	21.3	4.85	710	4.52	<0.1	5				1.7	<1
MW-303S	Sept-02	14	582	<10	21.6	1023	580	3.3	7	<0.004		-82	11.9	10	583	1.75	<0.1	14.2				1.7	<1
MW-303S	Dec-02	11.8	584	10.2	19.7	1157	564	3	7.24	<0.004		104	<5.00	2.2	533	<1.00	0.68				<0.01	<1.00	
MW-303S	Apr-04	10.4	483	11	10.2	927	446	3.9	7.55	<0.0100		82	<5.00	31	516	<1.00	0.25	17				1.2	<0.1
MW-303S	Jun-05	17.4	476	35.3	7.7	904	447	4.42	6.94	<0.010		534	<5.0	3.7	500	1.4	<0.25	6.9				1.2	<0.1
MW-303S	Sept-06	16	430	17	10	237	430	5.3	6.45	<0.003		95	17	24	540	0.44	<0.1	6.9				1.2	<0.1
MW-303S	Dec-07	11.1	520	18	15	854	560	4.8	6.45	<0.003		95	17	24	540	0.44	<0.1	6.9				1.2	<0.1

TABLE 11 - HISTORICAL ANALYTICAL DATA - WATER QUALITY PARAMETERS (EXISTING LANDFILL)

Monitoring Well	Sample Date	Temp (C)	ALK (mg/l)	COD (mg/l)	Cl ⁻ (mg/l)	Cond (umhos/cm)	Hard (mg/l)	TOC (mg/l)	pH (S.U.)	pH (field)	Phenols (mg/l)	Eh (mV)	SO4 ⁼ (mg/l)	Turb (NTU)	TDS (mg/l)	NH3 (mg/l)	NO3 ⁻ (mg/l)	BOD5 (mg/l)	Color (units)	CN ⁻ (mg/l)	Cr+6 (mg/l)	TKN (mg/l)	Bromide (mg/l)	
MW-304D	Nov-94	11.5	598	8.7	70	835	379	22	6.89	0.013	54.3	61.7	26	04	04	1.38	0.18	<2.0					1.02	3.6
MW-304D	March-95	11	569	10	66	512	722	5	6.88	<0.010	99.6	58.8	33	26	26	2.41	0.22	<2					1.17	0.8
MW-304D	June-95	13	537	14	50	574	528	<1	6.79	<0.010	74.2	63.4	62	47	47	1.3	0.24	<2					1.68	1.1
MW-304D	Sept - 95	12	552	12.5	66	495	568	<1	6.85	<0.010	87.8	58.4	45	45	45	2.13	<0.05	<2					1.28	0.8
MW-304D	Nov-95	10.5	572	8.2	64	512	581	<1	6.81	<0.010	54.5	51.6	64	64	64	1.15	<0.05	<2	25	<0.004		<0.004	1.21	0.4
MW-304D	April-96	10	570	7.8	69	1380	770	2.9	7.1	<0.002	55	65	72	61	73	1.1	0.022	<4	100	<0.01		<0.01	2.2	1.9
MW-304D	June-96	11.7	540	26	52	1260	570	2.1	6.8	0.0038	34	52	61	79	79	1.7	<0.02	<4				3.4	<2	
MW-304D	Sept-96	12.2	530	2.8	50	1200	430	2.3	6.7	<0.002	25	100	22	22	22	1.1	<0.02	<4				2.2	<2	
MW-304D	Nov-96	10.1	250	<1	68	691	330	2.3	7.46	<0.002	10	66	127	127	127	0.61	<0.02	<4	15	<0.01	<0.01	1.2	<2	
MW-304D	March-97	8.9	590	19	58	1320	460	4	7	<0.002	125	74	<1	<1	<1	0.85	<0.02	<4				2.2	<2	
MW-304D	June-97	12.7	670	<1	50	1160	490	3.2	6.88	0.0022	7.2	47	47	47	47	1.2	0.24	<4				0.71	<2	
MW-304D	Sept-97	12.8	590	<1	56	1100	460	3.4	7.21	<0.002	5.5	63	48	48	48	1.2	<0.02	<4				1.4	<2	
MW-304D	Dec-97	10.9	430	<1	52	1110	430	3.1	7.41	<0.002	55	61	113	113	113	0.91	0.039	<4	35	<0.01	<0.01	1.9	<2	
MW-304D	Mar-98	11	490	2.2	58	1040	480	2.7	7.1	<0.002	85	51	40	40	40	0.51	<0.02	<4				2.2	<1	
MW-304D	June-98	15.4	540	3.6	47	1070	460	3.4	6.95	<0.002	230	45	110	110	110	0.62	<0.02	<4				0.38	<1	
MW-304D	Sept-98	11.9	370	16	53	853	430	2.8	7.03	<0.002	110	66	122	360	360	0.092	0.06	4.2				1.6	0.54	
MW-304D	Dec-98	11.1	190	<1	89	620	290	1.3	7.1	<0.002	95	55	149	149	149	1.5	<0.02	<4				2	0.42	
MW-304D	Apr-99	11.3	410	<1	62	1100	380	3	7.02	0.0007	-5	52	133	133	133	1.3	<0.02	<4				1.8	0.5	
MW-304D	June-99	11.9	470	7.6	54	1070	580	2.7	6.75	<0.002	10	46	124	124	124	0.93	<0.02	<4				1.3	0.52	
MW-304D	Sept-99	12.7																						

TABLE 11 - HISTORICAL ANALYTICAL DATA - WATER QUALITY PARAMETERS (EXISTING LANDFILL)

Monitoring Well	Sample Date	Temp (C)	ALK (mg/l)	COD (mg/l)	Cl- (mg/l)	Cond (umhos/cm)	Hard (mg/l)	TOC (mg/l)	pH (S.L.)	pH (field)	Phenols (mg/l)	Eh (mV)	SO4= (mg/l)	Turb (NTU)	TDS (mg/l)	NH3 (mg/l)	NO3- (mg/l)	BOD5 (mg/l)	Color (units)	CN- (mg/l)	Cr+6 (mg/l)	TKN (mg/l)	Bromide (mg/l)
MW-304S	Nov-94	12	852	30.4	29	893	404	33	6.75	6.013	0.013	69.1	77	660	304	0.49	0.37	<2.0	15	0.2	0.05	1.53	4.9
MW-304S	Nov-94	10.5	824	20	25	657	965	3	6.73	<0.010	<0.010	101.7	82.5	530	604	0.33	0.31	<2	<0.004	0.01	<0.01	0.56	<0.2
MW-304S	March-95	12.5	606	18.6	30	585	718	<1	6.57	<0.010	<0.010	-77.7	89.4	380	604	0.37	0.25	<2	<0.004	0.01	<0.01	0.69	<0.2
MW-304S	Sept. -95	11.5	806	45.8	30	497	846	<1	6.84	<0.010	<0.010	-80.1	89.4	1500	604	0.4	0.06	<2	<0.004	0.01	<0.01	1.09	0.5
MW-304S	Nov-95	10	772	12.2	28	516	669	<1	6.85	<0.010	<0.010	-41.7	87.3	550	604	0.1	0.08	<2	<0.004	0.01	<0.01	<0.5	0.3
MW-304S	April-96	10.1	800	75	30	1500	550	3.7	6.8	<0.002	<0.002	45	83	220	604	0.24	<0.02	<4	<0.004	0.01	<0.01	3.1	<2
MW-304S	June-96	11.6	700	16	14	1480	890	2.8	6.7	<0.002	<0.002	70	52	>900	604	0.14	<0.02	<4	<0.004	0.01	<0.01	0.83	<2
MW-304S	Sept-96	12.1	590	130	28	1400	730	2.8	6.5	<0.002	<0.002	402	45	24	604	0.31	<0.02	<4	<0.004	0.01	<0.01	0.77	<2
MW-304S	Nov-96	10.4	710	60	23	1440	900	5.3	6.7	<0.002	<0.002	-5	90	171	604	0.25	<0.02	<4	<0.004	0.01	<0.01	0.83	<2
MW-304S	March-97	10	750	21	45	1450	730	7	6.7	<0.002	<0.002	-10	90	220	604	0.12	<0.02	<4	<0.004	0.01	<0.01	0.59	<2
MW-304S	June-97	12.5	770	<1	29	1340	1100	4	6.6	<0.002	<0.002	45	130	>999	604	0.086	<0.02	<4	<0.004	0.01	<0.01	1.1	<2
MW-304S	Sept-97	12.8	780	40	25	1200	990	4	6.9	<0.002	<0.002	25	45	140	604	0.12	<0.02	<4	<0.004	0.01	<0.01	0.78	<2
MW-304S	Dec-97	11.3	740	<1	24	1340	920	5.3	6.95	<0.002	<0.002	-30	71	>999	604	0.29	<0.02	<4	<0.004	0.01	<0.01	0.56	<2
MW-304S	Mar-98	10.3	750	19	26	1300	910	3.8	7.2	<0.002	<0.002	110	52	>999	604	0.26	<0.02	<4	<0.004	0.01	<0.01	0.91	<2
MW-304S	June-98	14.8	830	14	20	1260	770	3.8	6.43	<0.002	<0.002	-75	40	>999	604	0.23	<0.02	<4	<0.004	0.01	<0.01	0.68	<1
MW-304S	Sept-98	12.3	730	130	20	1240	1400	4.7	6.46	<0.002	<0.002	-65	28	>999	604	0.26	<0.02	<4	<0.004	0.01	<0.01	0.61	<1
MW-304S	Dec-98	10.9	650	110	13	1210	1300	4.2	6.46	<0.002	<0.002	-50	20	>999	604	0.21	<0.02	<4	<0.004	0.01	<0.01	0.51	<1
MW-304S	Apr-99	11.7	590	34	26	1340	1300	4.6	6.74	<0.002	<0.002	-10	29	>999	604	0.39	<0.02	<4	<0.004	0.01	<0.01	0.95	<0.1
MW-304S	June-99	11.5	680	31	24	1270	1300	3.9	6.51	<0.002	<0.002	15	29	>999	604	0.33	<0.02	<4	<0.004	0.01	<0.01	0.99	<0.1
MW-304S	Sept-99	12.7	730	34	25	1220	1300	4	8.17	<0.002	<0.002	75	24	>999	604	0.28	<0.02	<4	<0.004	0.01	<0.01	0.96	<0.1
MW-304S	Dec-99	10.9	780	29	25	1260	1300	3.7	6.94	<0.004	<0.004	-81	26	15	604	0.33	<0.02	<4	<0.004	0.01	<0.01	0.96	<0.1
MW-304S	Apr-00	10.6	688	12.5	27.6	1210	830	3	7.12	<0.002	<0.002	-97	14	13.3	604	0.583	<0.05	<3	<0.004	0.01	<0.01	1.63	<1
MW-304S	June-00	13.8	668	<10	25	1258	713	3.9	6.93	<0.002	<0.002	-51	9	190	604	0.51	<0.05	<3	<0.004	0.01	<0.01	<1	<1
MW-304S	Sept-00	10.7	659	<10	25	1258	713	3.9	7	<0.004	<0.004	-45	11	12	604	0.492	<0.05	<3	<0.004	0.01	<0.01	<1	<1
MW-304S	Dec-00	10.6	671	<10	24.6	1215	653	4.4	7	<0.004	<0.004	-45	11	12	604	0.492	<0.05	<3	<0.004	0.01	<0.01	<1	<1
MW-304S	Mar-01	11.3	528	<10	24.5	1225	583	4.4	6.78	<0.004	<0.004	-78	5.21	27	604	0.473	<0.1	<3	<0.004	0.01	<0.01	1.35	<1
MW-304S	June-01	12.4	650	11.2	26.6	1229	621	5.8	6.87	<0.004	<0.004	-60	5.33	24.1	604	0.473	<0.1	<3	<0.004	0.01	<0.01	<1	<1
MW-304S	Sept-01	12.9	519	<10	25.9	1227	624	2.9	6.93	<0.004	<0.004	-60	<5	15	604	0.473	<0.1	<3	<0.004	0.01	<0.01	<1	<1
MW-304S	Dec-01	11.4	640	<10	27.4	1205	641	2.8	6.8	<0.004	<0.004	-12	59.5	0.8	604	0.38	<0.1	<3	<0.004	0.01	<0.01	<1	<1
MW-304S	Mar-02	10.4	746	<10	65.1	1006	629	3.1	7.01	<0.004	<0.004	-48	8.33	2.4	604	0.38	<0.1	<3	<0.004	0.01	<0.01	<1	<1
MW-304S	June-02	12.7	674	<10	26.6	1204	591	4.2	6.91	<0.004	<0.004	-62.4	<5	0.97	604	0.389	<0.1	<3	<0.004	0.01	<0.01	<1	<1
MW-304S	Sept-02	12.1	654	<10	27.4	1173	594	2.6	6.87	<0.004	<0.004	-48	5.91	10	604	0.701	<0.1	<3	<0.004	0.01	<0.01	1.21	<1
MW-304S	Dec-02	6.9	630	<10	31	1198	608	3	6.87	<0.004	<0.004	-38	5.91	2	604	0.701	<0.1	<3	<0.004	0.01	<0.01	<1	<1
MW-304S	Apr-04	12.2	549	<10	26.1	1116	503	3.6	7.25	<0.004	<0.004	38	<5.0	30	604	<1.00	0.6	<4.00	<0.004	0.01	<0.01	<1.00	<1.00
MW-304S	June-05	17.4	536	26.4	28	851	509	7.04	7.35	<0.010	<0.010	173	9.48	30	604	<1.00	0.6	<4.00	<0.004	0.01	<0.01	<1.00	<1.00
MW-304S	Sept-06	17.9	490	15	18	218	500	4.6	7.41	<0.010	<0.010	624	12	11	604	<1.00	0.42	6	<0.004	0.01	<0.01	1.3	<1.0
MW-304S	Dec-07	10.5	530	22	18	950	540	5.1	6.66	<0.003	<0.003	80	<1	244	510	0.25	<0.1	4.1	<0.004	0.01	<0.01	0.86	<0.1

Monitoring Well	Sample Date	Temp (C)	ALK (mg/l)	COD (mg/l)	Cl- (mg/l)	Cond (umhos/cm)	Hard (mg/l)	TOC (mg/l)	pH (S.U.)	pH (field)	Phenols (mg/l)	Ek (mV)	SO4= (mg/l)	Turb (NTU)	TDS (mg/l)	NH3 (mg/l)	NO3- (mg/l)	BOD5 (mg/l)	Color (units)	CN- (mg/l)	Cr+6 (mg/l)	TKN (mg/l)	Bromide (mg/l)
Class 01 Groundwater Quality Standards and Guidelines Values																							
MW-304VS	Nov-04	12.5	658	34.8	1176	983	24	5	6.81	<0.010	188.1	85.2	1800	1800	1800	0.25	0.09	6.2	10	0.69	4.35		
MW-304VS	Mar-05	15	878	45	921	1600	5	5	6.71	<0.010	124.7	85.8	860	860	860	0.31	0.26	5		0.84	<0.2		
MW-304VS	June-05	9	448	46.5	895	1400	<1	<1	6.64	<0.010	7.4	66.3	540	540	540	0.2	0.26	<2		1.09	<0.2		
MW-304VS	Sept-05	17.5	567	33.3	865	822	719	<1	6.57	<0.010	62.2	65.4	1300	1400	1400	0.21	0.07	<2		0.69	<0.2		
MW-304VS	Sept-05	8.5	568	32.6	835	721	545	<1	6.79	<0.010	113.5	72	770	1100	1100	0.03	<0.05	<2	10	<0.004	<0.004		
MW-304VS	April-06	5.1	590	120	11	1770	600	6.4	7.4	<0.002	115	61	>900	>900	>900	0.17	0.022	5.4	750	<0.01	<0.01		
MW-304VS	June-06	14.7	440	150	220	1580	500	5	7	<0.002	170	79	>900	>900	>900	0.094	<0.02	4					
MW-304VS	Sept-06	16.8	550	100	180	2200	620	4.8	6.8	<0.002	388	<200	24	24	24	0.12	<0.02	<4					
MW-304VS	Sept-06	9.6	480	63	190	1780	620	5.8	6.97	<0.002	165	11	290	290	290	0.18	<0.02	<4					
MW-304VS	March-07	4.7	400	55	2780	670	61	3.9	7.1	<0.002	70	61	50	50	50	0.14	<0.02	<4	10	<0.01	<0.01		
MW-304VS	June-07	14.8	480	<1	3300	1400	1400	4.6	6.77	<0.002	190	130	>999	>999	>999	0.076	0.27	4					
MW-304VS	Sept-07	16.5	740	21	2500	1200	1200	5.2	7	<0.002	200	41	840	840	840	0.19	0.098	<4					
MW-304VS	Dec-07	9.1	450	<1	2200	1100	1100	5.9	7.05	<0.002	245	45	>999	>999	>999	0.13	<0.02	4					
MW-304VS	Mar-08	5.2	490	1.3	2400	1920	670	4.7	7.75	<0.002	345	45	1.4	1.4	1.4	0.11	0.025	<4					
MW-304VS	June-08	16.8	550	17	250	1490	580	4.9	6.65	<0.002	-15	28	>999	>999	>999	0.2	0.052	<4	12	<0.01	<0.01		
Location Not Sampled																							
MW-304VS	Sept-08																						
MW-304VS	Dec-08	10.2	430	91	1300	840	5	5	7.01	<0.002	25	23	>999	>999	>999	0.049	0.1	<4					
MW-304VS	Apr-09	8	410	9.1	140	540	4.5	4.5	6.87	<0.002	180	45	913	913	913	0.032	<0.02	<4					
MW-304VS	June-09	13.1	460	18	110	1220	680	4.7	7.33	<0.002	140	43	390	390	390	0.22	0.03	<4					
MW-304VS	Sept-09	17.7	440	15	250	1390	530	4.7	8.39	<0.002	5.45	42	>999	>999	>999	0.22	0.048	<4					
MW-304VS	Dec-09	9.1	400	19	180	1390	760	4.2	8.75	<0.002	340	39	>999	>999	>999	0.076	0.036	<4	1	<0.01	<0.01		
MW-304VS	Apr-00	7.8	365	70.8	275	2300	960	4	7.03	<0.004	-33	64	15	15	15	0.344	0.057	6	750	<0.01	<0.01		
MW-304VS	June-00	16.7	326	<10	233	2300	960	4	7.3	<0.004	-48	43	13.4	13.4	13.4	0.403	<0.05	<3					
MW-304VS	Sept-00	15.6	383	30.1	260	2450	630	9.1	7.03	<0.004	28	45	19	19	19	0.347	<0.05	3					
MW-304VS	Dec-00	6	376	<10	31.8	2080	535	8.2	7.52	<0.004	71	61	3.7	3.7	3.7	0.25	<0.05	<3					
MW-304VS	Mar-01	5.1	361	10.1	209	1888	427	4.8	7.37	<0.004	-30	54	4.6	4.6	4.6	0.25	<0.05	4	125	<0.01	<0.01		
MW-304VS	June-01	15.7	378	12.9	473	2120	510	7	7.22	<0.004	52	37.5	7.7	7.7	7.7	0.265	<0.1	6					
MW-304VS	Sept-01	18.5	313	<10	485	1980	699	3.9	7.14	<0.004	41	35	4.85	4.85	4.85	0.496	<0.1	<3					
MW-304VS	Dec-01	10.5	386	<10	305	1809	518	3.6	7.47	<0.004	20	26	9.63	9.63	9.63	0.16	<0.1	<3					
MW-304VS	Mar-02	5.2	413	<10	342	1434	465	4.6	7.32	<0.004	75	30.1	350	350	350	0.283	<0.1	<3					
MW-304VS	June-02	15.2	412	<10	259	1721	328	5.1	7.45	<0.004	16	28.9	5.9	5.9	5.9	0.155	<0.1	<3	10	<0.005	<0.01		
MW-304VS	Sept-02	18.3	403	<10	338	1421	371	4.1	7.46	<0.004	-110.7	18	25.7	6.65	6.65	0.287	<0.1	<3					
MW-304VS	Dec-02	7.8	386	<10	311	1427	467	3.8	7.5	<0.004	18	25.7	350	350	350	0.287	<0.1	<3					
MW-304VS	Apr-04	11	371	12	150	1065	239	3.7	8.34	<0.004	130	21.8	163	163	163	0.281	<0.1	4	<5	<0.005	<0.01		
MW-304VS	June-05																						
MW-304VS	Sept-06	20	320	59	30	254	500	5.3	7.43	<0.010	855	84	500	500	500	<1.0	<0.25	<4.0	1000	<0.010	0.016	1.6	<1.0
MW-304VS	Dec-07	6.5	420	25	630	2410	620	5.9	6.59	<0.003	285	14	8	8	8	<0.03	<0.1	<4.0	300	<0.01	<0.01	0.74	<0.1

TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	d-Al (mg/l)	d-Sb (mg/l)	d-As (mg/l)	d-Ba (mg/l)	d-Be (mg/l)	d-B (mg/l)	d-Cd (mg/l)	d-Ca (mg/l)	d-Cr (mg/l)	d-Co (mg/l)	d-Cu (mg/l)	d-Fe (mg/l)	d-Mg (mg/l)	d-Mn (mg/l)	d-Hg (mg/l)	d-Ni (mg/l)	d-K (mg/l)	d-Se (mg/l)	d-Ag (mg/l)	d-Na (mg/l)	d-Tl (mg/l)	d-V (mg/l)	d-Zn (mg/l)	d-Pb (mg/l)
PZ-1A	March-97																								
PZ-1A	June-97																								
PZ-1A	Sept-97																								
PZ-1A	Dec-97																								
PZ-1A	Mar-98																								
PZ-1A	June-98	0.19	<0.06	<0.01	<0.2	<0.01	<1	<0.01	88	<0.01	<0.01	<0.02	0.39	23	0.47	<0.0002	0.019	2	<0.05	<0.01	15	<0.03	<0.03	0.15	<0.01
PZ-1A	Sept-98																								
PZ-1A	Dec-98																								
PZ-1A	Apr-99																								
PZ-1A	Jun-99																								
PZ-1A	Sept-99																								
PZ-1A	Dec-99	<0.1	<0.01	<0.01	<0.2	<0.01	<0.5	<0.01	110	<0.01	<0.01	<0.01	<0.05	24	0.3	<0.0002	<0.01	2.2	<0.05	<0.01	17	<0.01	<0.01	<0.01	<0.01
PZ-1A	Apr-00	<0.075	<0.050	<0.002	0.046	<0.002	0.061	<0.0050	106	<0.010	<0.010	<0.017	<0.040	23.4	0.150	<0.0002	<0.012	1.82	<0.002	<0.010	17	<0.001	<0.010	<0.020	<0.001
PZ-1A	Jun-00																								
PZ-1A	Sept-00																								
PZ-1A	Dec-00																								
PZ-1A	Mar-01																								
PZ-1A	Jun-01	<0.075	<0.050	<0.002	0.046	<0.002	<0.048	<0.005	113	<0.010	<0.010	<0.017	0.097	24.6	0.171	<0.0002	<0.012	3.69	<0.002	<0.010	17.9	<0.001	<0.010	0.054	<0.001
PZ-1A	Sept-01																								
PZ-1A	Dec-01																								
PZ-1A	Mar-02																								
PZ-1A	Jun-02																								
PZ-1A	Sept-02	<0.075	<0.050	0.001	0.045	<0.002	0.056	<0.005	114	<0.010	<0.010	<0.017	0.088	24.8	0.173	<0.0002	0.014	2.19	<0.001	<0.010	16.5	<0.001	<0.010	<0.020	<0.001
PZ-1A	Dec-02																								
PZ-1A	Apr-04	<0.1	<0.050	0.001	0.043	<0.002	0.062	<0.001	108	<0.002	<0.010	<0.017	0.13	23.5	0.148	<0.0002	<0.012	2.24	<0.001	<0.010	16.2	<0.001	<0.010	<0.020	<0.001
PZ-1A	Jun-05	0.0178	<0.0025	<0.0031	0.0091	<0.00040	0.0255	<0.00080	29.3	<0.00090	<0.0019	0.0024	0.0159	4.21	0.148	<0.00016	0.0029	9.58	<0.00019	<0.0011	3.56	<0.0029	<0.002	0.0315	<0.0019
PZ-1A	Oct-06	<0.200	<0.060	<0.005	<0.200	<0.005	<0.050	<0.005	110	<0.010	<0.050	<0.025	0.1	25	0.148	<0.0002	<0.040	<5	<0.010	<0.010	15	<0.010	<0.050	<0.020	<0.005
PZ-1A	Dec-07																								

TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	d-Al (mg/l)	d-Sb (mg/l)	d-As (mg/l)	d-Ba (mg/l)	d-Bc (mg/l)	d-B (mg/l)	d-Cd (mg/l)	d-Ca (mg/l)	d-Cr (mg/l)	d-Co (mg/l)	d-Cu (mg/l)	d-Fe (mg/l)	d-Mg (mg/l)	d-Mn (mg/l)	d-Hg (mg/l)	d-Ni (mg/l)	d-K (mg/l)	d-Se (mg/l)	d-Ag (mg/l)	d-Na (mg/l)	d-Tl (mg/l)	d-V (mg/l)	d-Zn (mg/l)	d-Pb (mg/l)
PZ-4	March-97																								
PZ-4	June-97																								
PZ-4	Sept-97																								
PZ-4	Dec-97																								
PZ-4	Mar-98																								
PZ-4	June-98	<0.1	<0.06	<0.01	<0.2	<0.01	<1	<0.01	150	<0.01	<0.01	<0.02	0.073	2.4	0.15	<0.0002	0.01	2.5	<0.05	<0.01	14	<0.03	<0.03	0.062	<0.01
PZ-4	Sept-98								180	<0.01	<0.01	<0.01	0.073	0.15	0.15	<0.0002	0.01	3.1	<0.05	<0.01	14	<0.03	<0.03	0.062	0.013
PZ-4	Dec-98								130	<0.01	<0.01	<0.01	<0.05	0.073	0.15	<0.0002	0.01	2.5	<0.05	<0.01	10	<0.03	<0.03	0.062	<0.01
PZ-4	Apr-99								170	<0.01	<0.01	<0.01	0.073	0.15	0.15	<0.0002	0.01	2.4	<0.05	<0.01	18	<0.03	<0.03	0.062	<0.01
PZ-4	Jun-99								190	<0.01	<0.01	<0.01	0.073	0.15	0.15	<0.0002	0.01	2.6	<0.05	<0.01	16	<0.03	<0.03	0.062	<0.01
PZ-4	Sept-99								180	<0.01	<0.01	<0.01	<0.05	0.073	0.15	<0.0002	0.01	2.7	<0.05	<0.01	16	<0.03	<0.03	0.062	<0.01
PZ-4	Dec-99	<0.1	<0.01	0.004	<0.2	<0.01	<0.05	<0.01	170	<0.01	<0.01	<0.01	<0.05	0.073	0.15	<0.0002	0.01	2.8	<0.01	<0.01	14	<0.01	<0.01	0.021	<0.01
PZ-4	Apr-00	<0.075	<0.050	0.004	0.027	<0.002	0.134	<0.0050	157	<0.010	<0.010	<0.017	<0.040	0.073	0.15	<0.0002	0.012	2.06	<0.002	<0.010	18.3	<0.001	<0.010	<0.020	0.003
PZ-4	Jun-00							<0.0050	174				0.073	0.073	0.073			2.49			15.1				0.004
PZ-4	Sept-00							<0.005	176				0.198	0.073	0.073			2.95			15.7				<0.001
PZ-4	Dec-00							<0.005	169				<0.040	0.073	0.073			2.78			20.3				<0.001
PZ-4	Mar-01							<0.005	173				0.040	0.073	0.073			2.33			14.9				<0.001
PZ-4	Jun-01	<0.075	<0.050	0.01	0.026	<0.002	0.062	<0.005	189	<0.010	<0.010	<0.017	0.040	0.073	0.073	<0.0002	<0.012	2.71	<0.002	<0.010	14.6	<0.001	<0.010	0.029	<0.001
PZ-4	Sept-01							<0.005	158				0.254	0.073	0.073			2.18			12.6				0.002
PZ-4	Dec-01							<0.005	158				0.254	0.073	0.073			1.98			11.9				0.003
PZ-4	Mar-02							<0.005	188				0.254	0.073	0.073			2.38			16.2				0.001
PZ-4	Jun-02							<0.005	165				0.040	0.073	0.073			2.42			16.3				0.001
PZ-4	Sept-02	<0.075	<0.050	0.013	0.027	<0.002	0.074	<0.005	177	<0.010	<0.010	<0.017	0.040	0.073	0.073	<0.0002	<0.012	2.74	<0.001	<0.010	16.6	<0.001	<0.010	0.021	<0.001
PZ-4	Dec-02							<0.001	160				0.040	0.073	0.073			3.87			17.1				<0.001
PZ-4	Apr-04	<0.1	<0.050	0.014	0.028	<0.002	0.208	<0.001	161	<0.002	<0.010	<0.017	0.040	0.073	0.073	<0.0002	<0.012	1.46	<0.001	<0.010	19.1	<0.001	<0.010	0.021	<0.001
PZ-4	Jun-05	0.0195	<0.0025	0.0038	0.0637	<0.00040	0.13	<0.00080	52.5	<0.00090	<0.0019	0.002	<0.0077	13.2	<0.0021	<0.00016	<0.0023	1.3	<0.0039	<0.0011	27	<0.0029	<0.002	0.0032	<0.0019
PZ-4	Oct-06	<0.200	<0.060	0.016	<0.200	<0.005	0.087	<0.005	180	<0.010	<0.050	<0.025	0.09	0.09	0.09	<0.0002	<0.040	<5	<0.010	<0.010	20	<0.010	<0.050	<0.020	<0.005

Monitoring	Sample	d-Al	d-Sb	d-As	d-Ba	d-Be	d-B	d-Co	d-Cr	d-Cu	d-Fe	d-Mg	d-Mn	d-Hg	d-Ni	d-K	d-Se	d-Ag	d-Na	d-Tl	d-V	d-Zn	d-Pb
Well	Date	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	
Chemical	Qual.	0.05	0.05	0.05	1	0.001	1	0.005	0.005	0.05	0.3	30	0.3	0.0002	0.1	2.5	0.01	0.05	20	0.0002	0.005	2	
Site's & State's Val.		0.005	0.005	0.005	1	0.0001	1	0.0005	0.0005	0.005	0.005	0.005	0.005	0.0002	0.001	0.005	0.0001	0.005	0.005	0.0002	0.005	0.005	
PZ-11	March-97																						
PZ-11	June-97																						
PZ-11	Sept-97																						
PZ-11	Dec-97																						
PZ-11	Mar-98																						
PZ-11	June-98	< 0.1	< 0.06	< 0.01	< 0.2	< 0.01	< 1	< 0.01	< 0.01	< 0.02	0.06	37	30	< 0.0002	0.025	2.6	< 0.05	< 0.01	9.9	< 0.03	< 0.03	0.15	
PZ-11	Sept-98	190				< 0.01		< 0.01			0.62	40	30			3.8			9.7			0.029	
PZ-11	Dec-98					< 0.01		< 0.01			0.19	23	10			2.5			6.6			< 0.01	
PZ-11	Apr-99					< 0.01		< 0.01			0.1	35	30			2.5			12			< 0.01	
PZ-11	Jun-99					< 0.01		< 0.01			0.1	33	10			2.6			13			< 0.01	
PZ-11	Sept-99					< 0.01		< 0.01			0.1	31	10			2.7			13			< 0.01	
PZ-11	Dec-99	< 0.1	< 0.01	0.017	< 0.2	< 0.01	< 0.5	< 0.01	< 0.01	< 0.01	0.31	24	10	< 0.0002	< 0.01	2.4	0.007	< 0.01	11	< 0.01	< 0.01	0.017	
PZ-11	Apr-00	< 0.075	< 0.050	0.003	0.058	< 0.002	< 0.048	< 0.0050	< 0.010	< 0.017	0.85	29.9	1.69	< 0.0002	< 0.012	2.24	< 0.002	< 0.010	10.4	< 0.001	< 0.010	0.038	
PZ-11	Jun-00					< 0.0050		< 0.0050			0.99	34.9	2.05			2.45			10.7			0.005	
PZ-11	Sept-00					< 0.005		< 0.005			0.78	29.7	2.4			2.08			9.73			0.012	
PZ-11	Dec-00					< 0.005		< 0.005			1.03	27.2	1.69			2.13			12.2			< 0.001	
PZ-11	Mar-01					< 0.005		< 0.005			< 0.04	24.7	0.007			2			9.05			< 0.001	
PZ-11	Jun-01	< 0.075	< 0.050	< 0.002	0.048	< 0.002	< 0.048	< 0.005	< 0.010	< 0.017	0.315	28.9	0.509	< 0.0002	< 0.012	2.8	< 0.002	< 0.010	11.2	< 0.001	< 0.010	< 0.001	
PZ-11	Sept-01					< 0.005		< 0.005			1.12	32	1.00			2.57			10.8			0.004	
PZ-11	Dec-01					< 0.005		< 0.005			0.79	26.5	1.45			2.04			10			0.002	
PZ-11	Mar-02					< 0.005		< 0.005			0.81	22.2	1.39			2.2			8.65			0.001	
PZ-11	Jun-02					< 0.005		< 0.005			0.34	15.4	0.117			2.67			10.4			0.001	
PZ-11	Sept-02	< 0.075	< 0.050	0.006	0.04	< 0.002	< 0.048	< 0.005	< 0.010	< 0.017	0.348	20.1	1.09	< 0.0002	0.013	2.77	< 0.001	< 0.010	10.7	< 0.001	< 0.010	< 0.001	
PZ-11	Dec-02					< 0.001		< 0.001			0.274	17.5	0.46			3.69			10.5			< 0.001	
PZ-11	Apr-04	< 0.1	< 0.050	0.006	0.035	< 0.002	< 0.048	< 0.001	< 0.002	< 0.017	1.72	19.8	0.007	< 0.0002	< 0.012	2.72	< 0.001	< 0.010	12.1	< 0.001	< 0.010	0.046	
PZ-11	Jun-05	Sampling Location Dry																					
PZ-11	Oct-06	< 0.200	< 0.060	0.017	< 0.200	< 0.005	< 0.050	< 0.005	< 0.010	< 0.025	7.5	31	3.3	< 0.0002	< 0.040	< 5	< 0.010	< 0.010	13	< 0.010	< 0.050	< 0.020	
PZ-11	Dec-07																					< 0.005	

TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	d-Al (mg/l)	d-Sb (mg/l)	d-As (mg/l)	d-Ba (mg/l)	d-Be (mg/l)	d-B (mg/l)	d-Cd (mg/l)	d-Cu (mg/l)	d-Fe (mg/l)	d-Mg (mg/l)	d-Mn (mg/l)	d-Hg (mg/l)	d-Ni (mg/l)	d-K (mg/l)	d-Se (mg/l)	d-Ag (mg/l)	d-Na (mg/l)	d-Tl (mg/l)	d-V (mg/l)	d-Zn (mg/l)	d-Pb (mg/l)
Ches Co. GW Cont.		0.005	0.005	1	0.005	1	0.005	0.005	0.1	0.3	35	0.3	0.005	0.1		0.01	0.05	25	0.005		5	0.005
Site's & Co's. Val.																						
MW-3B	March-97																					
MW-3B	June-97																					
MW-3B	Sept-97																					
MW-3B	Dec-97							<0.01	110	<0.05	18	0.33			12			22			<0.01	
MW-3B	Mar-98							<0.01	130	0.15	25	0.64			17			28			0.005	
MW-3B	June-98																					
MW-3B	Sept-98																					
MW-3B	Dec-98							<0.01	94	0.21	16	0.57			14			18			<0.01	
MW-3B	Apr-99							<0.01	130	0.09	23	0.7			13			31			<0.01	
MW-3B	June-99																					
MW-3B	Sept-99																					
MW-3B	Dec-99	<0.01	<0.01	<0.02	<0.01	<0.01	<0.01	<0.01	<0.01	0.076	29	0.89	<0.0002	<0.01	18	0.005	<0.01	32	<0.01	<0.01	<0.01	<0.01
MW-3B	Apr-00	<0.075	<0.050	0.008	0.07	<0.002	0.075	<0.0050	97.8	<0.040	16.1	0.156	<0.0002	<0.012	101	<0.002	<0.010	18.6	<0.001	<0.010	0.022	0.001
MW-3B	June-00							<0.0050	178	1.01	35.3	1			185			39.1			0.01	0.01
MW-3B	Sept-00							<0.005	181	0.99	35.5	1.01			201			32.3			<0.001	<0.001
MW-3B	Dec-00							0.005	190	1.05	37.6	1.1			203			36.7			<0.001	<0.001
MW-3B	Mar-01							<0.005	177	1.15	36.6	1.05			176			33.8			<0.002	<0.002
MW-3B	June-01	<0.075	<0.050	0.006	0.107	<0.002	0.199	<0.005	189	1.34	38.2	1.1	<0.0002	0.015	262	<0.002	<0.010	22.7	<0.001	<0.010	<0.020	0.003
MW-3B	Sept-01							<0.005	172	1.1	35.4	0.99			188			37.2			0.005	0.005
MW-3B	Dec-01							0.005	182	1.34	37.3	1.04			191			38			0.003	0.003
MW-3B	Mar-02							<0.005	202	1.32	37.3	1.1			19			33.3			0.001	0.001
MW-3B	June-02							<0.005	174	1.15	35.1	0.99			195			37.8			0.002	0.002
MW-3B	Sept-02	<0.075	<0.050	0.002	0.106	<0.002	0.224	<0.005	170	1.34	35.2	0.985	<0.0002	0.018	199	0.001	<0.010	35.1	<0.001	<0.010	<0.020	<

TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	d-Al (mg/l)	d-Sb (mg/l)	d-As (mg/l)	d-Ba (mg/l)	d-Bi (mg/l)	d-B (mg/l)	d-Cd (mg/l)	d-Ca (mg/l)	d-Cr (mg/l)	d-Co (mg/l)	d-Cu (mg/l)	d-Fe (mg/l)	d-Mg (mg/l)	d-Mn (mg/l)	d-Hg (mg/l)	d-Ni (mg/l)	d-K (mg/l)	d-Se (mg/l)	d-Ag (mg/l)	d-Na (mg/l)	d-Tl (mg/l)	d-V (mg/l)	d-Zn (mg/l)	d-Pb (mg/l)
MW-207S	March-97																								
MW-207S	June-97																								
MW-207S	Sept-97																								
MW-207S	Dec-97																								
MW-207S	Mar-98																								
MW-207S	June-98	< 0.1	< 0.06	< 0.01	< 0.2	< 0.01	< 1	< 0.01	< 1	< 0.01	< 0.01	< 0.02	4.8	28	1.5	< 0.0002	0.012	2.2	< 0.05	< 0.01	< 0.2	< 0.03	< 0.03	0.055	< 0.01
MW-207S	Sept-98							< 0.01	300				5	44	1.3		3.4				11				0.056
MW-207S	Dec-98							< 0.01	150				17	29	1.4		2.9				7.4				< 0.01
MW-207S	Apr-99							< 0.01	180				24	35	1.7		2.2				12				< 0.01
MW-207S	Jun-99							< 0.01	200				36	40	2		2.4				11				< 0.01
MW-207S	Sept-99							< 0.01	190				30	35	1.6		2.4				12				< 0.01
MW-207S	Dec-99	< 1	< 0.01	0.009	< 2	< 0.01	< 5	< 0.01	180	< 0.01	< 0.01	< 0.01	24	28	1.6	0.00024	< 0.01	2.6	< 0.01	< 0.01	11	< 0.01	< 0.01	< 0.01	
MW-207S	Apr-00	< 0.075	< 0.050	0.003	0.142	< 0.002	< 0.048	< 0.0050	176	< 0.010	< 0.010	< 0.017	27.1	34.4	1.50	< 0.0002	< 0.012	2.74	< 0.002	< 0.010	10.1	< 0.001	< 0.010	0.021	0.001
MW-207S	Jun-00							< 0.0050	176				20.3	34.4	1.5		2.76								0.012
MW-207SA	Sept-00							< 0.005	193				20.1	35.7	1.70		2.65				10.4				< 0.001
MW-207SA	Dec-00							< 0.005	197				20.1	36.4	1.40		3.09				12.8				< 0.001
MW-207SA	Mar-01							< 0.005	180				34	35.5	1.50		2.74				10				< 0.001
MW-207SA	Jun-01	< 0.075	< 0.050	0.041	0.161	< 0.002	< 0.048	< 0.005	190	< 0.010	< 0.010	< 0.017	20.3	37.9	1.50	< 0.0002	< 0.012	2.96	< 0.002	< 0.010	10.8	< 0.001	< 0.010	0.028	< 0.001
MW-207SA	Sept-01							< 0.005	185				24.4	36.3	1.40		2.42				10.5				0.003
MW-207SA	Dec-01							< 0.005	196				20.4	37.7	1.40		2.48				10.1				0.011
MW-207SA	Mar-02							< 0.005	197				27.3	36.4	1.3		2.35				9.66				0.003
MW-207SA	Jun-02							< 0.005	178				20.9	35.9	1.4		2.41				10.6				< 0.001
MW-207SA	Sept-02	< 0.075	< 0.050	0.055	0.189	< 0.002	0.049	< 0.005	195	< 0.010	< 0.0100	< 0.017	27.3	35.7	1.40	< 0.0002	< 0.012	2.51	0.001	< 0.010	10.3	< 0.001	< 0.010	0.024	< 0.001
MW-207SA	Dec-02							< 0.001	174				19.4	32.6	1.1		3.3				10.2				< 0.001
MW-207SA	Apr-04	< 1	< 0.050	0.049	0.212	< 0.002	< 0.048	< 0.001	164	< 0.002	< 0.010	< 0.017	26	32	1.20	< 0.0002	0.019	2.87	< 0.001	< 0.010	9.42	< 0.001	< 0.010	0.024	< 0.001
MW-207SA	Jun-05	< 0.0104	< 0.0025	0.0034	0.251	< 0.0004	0.0319	< 0.0008	172	< 0.0009	0.0044	< 0.0012	22.3	34.4	1.30	< 0.00016	< 0.0023	3.21	< 0.0039	0.0014	9.36	0.004	< 0.002	0.0031	0.0033
MW-207SA	Sept-06	< 0.200	< 0.060	0.011	0.3	< 0.005	< 0.050	< 0.005	150	< 0.010	< 0.050	< 0.025	13	31	1.1	< 0.0002	< 0.040	< 5	< 0.010	< 0.010	8.8	< 0.010	< 0.050	< 0.020	< 0.005
MW-207SA	Dec-07	0.11	< 0.01	0.002	0.4	< 0.01		< 0.01	150	< 0.01	< 0.01	< 0.01	17	30	0.90	< 0.0002	0.011	3.6	0.35	< 0.01	10	< 0.01	< 0.01	0.026	< 0.01

Monitoring Well	Sample Date	d-Al (mg/l)	d-Sh (mg/l)	d-Ac (mg/l)	d-Ba (mg/l)	d-Be (mg/l)	d-B (mg/l)	d-Cd (mg/l)	d-Ca (mg/l)	d-Cr (mg/l)	d-Co (mg/l)	d-Cu (mg/l)	d-Fe (mg/l)	d-Mg (mg/l)	d-Mn (mg/l)	d-Hg (mg/l)	d-Ni (mg/l)	d-K (mg/l)	d-Se (mg/l)	d-Ag (mg/l)	d-Na (mg/l)	d-Tl (mg/l)	d-V (mg/l)	d-Zn (mg/l)	d-Pb (mg/l)
Chas Oak GW Quad																									
Surf & Gdls Yd																									
MW-207D	March-97																								
MW-207D	June-97																								
MW-207D	Sept-97																								
MW-207D	Dec-97																								
MW-207D	Mar-98																								
MW-207D	June-98	<0.1	<0.06	<0.01	<0.2	<0.01	<1	<0.01	120	<0.01	<0.01	<0.02	<0.05	24	0.72	<0.0002	0.013	2.5	<0.05	<0.01	7.5	<0.03	<0.03	0.092	<0.01
MW-207D	Sept-98								190	<0.01			3.6	37	2.2			2			12				0.016
MW-207D	Dec-98								150	<0.01			0.22	29	2.5			1.7			9.1				<0.01
MW-207D	Apr-99								160	<0.01			1.97	32	1.3			1.6			15				<0.01
MW-207D	Jun-99								190	<0.01			0.63	37	2.8			2			16				<0.01
MW-207D	Sept-99								180	<0.01			1	33	2			1.9			14				<0.01
MW-207D	Dec-99	<1	<0.01	0.04	<2	<0.01	<5	<0.01	190	<0.01	<0.01	<0.01	0.05	38	2	<0.002	<0.01	2.3	<0.01	<0.01	13	<0.01	<0.01	<0.01	<0.01
MW-207D	Apr-00	<0.075	<0.050	0.002	0.031	<0.002	<0.048	<0.0050	129	<0.010	<0.010	<0.017	0.042	28.4	0.096	<0.0002	0.012	5.54	<0.002	<0.010	17	<0.001	<0.010	0.027	0.002
MW-207D	Jun-00							<0.0050	181				2.02	30.9	1.38			1.33			13.2				0.002
MW-207D	Sept-00							<0.005	184				2.12	35.3	1.9			1.5			12.3				<0.001
MW-207D	Dec-00							<0.005	192				2.36	36.5	2.72			1.64			14.8				<0.001
MW-207D	Mar-01							<0.005	179				2.34	35.5	1.96			1.2			10.9				<0.001
MW-207D	Jun-01	<0.075	<0.050	0.046	0.151	<0.002	<0.048	<0.005	184	<0.010	<0.010	<0.017	2.26	35.8	2.09	<0.0002	0.015	1.91	<0.002	<0.010	11.7	<0.001	<0.010	<0.020	<0.001
MW-207D	Sept-01							<0.005	179				3.34	38	3.3			1.27			11				0.003
MW-207D	Dec-01							<0.005	183				3.37	36.3	2.19			1.23			10.5				0.001
MW-207D	Mar-02							<0.005	181				3.37	33.8	2.37			1.17			9.36				<0.001
MW-207D	Jun-02							<0.005	163				3.37	33.3	2.36			1.14			10.7				0.001
MW-207D	Sept-02	<0.075	<0.050	0.056	0.123	<0.002	<0.048	<0.005	164	<0.010	<0.010	<0.017	3.34	33.4	2.68	<0.0002	<0.012	1.27	<0.001	<0.010	9.63	<0.001	<0.010	<0.020	<0.001
MW-207D	Dec-02							<0.001	163				3.36	31.2	2.45			2.05			10.3				<0.001
MW-207D	Apr-04	<0.1	<0.050	0.059	0.114	<0.002	<0.048	<0.001	147	<0.002	<0.010	<0.017	3.25	30.3	1.92	<0.0002	0.02	1.31	<0.001	<0.010	10.1	<0.001	<0.010	<0.020	0.002
MW-207D	Jun-05	<0.0104	<0.0025	<0.0031	0.0149	<0.0040	0.0211	<0.0008	93.8	0.0011	<0.0019	<0.0072	0.013	28.1	0.0038	<0.00016	<0.0023	8.74	<0.0039	<0.0011	10.1	<0.0029	<0.0020	0.0028	<0.0019
MW-207D	Sept-06	<0.200	<0.060	0.045	<0.200	<0.005	<0.050	<0.005	130	<0.010	<0.050	<0.025	2.3	27	1.9	<0.0002	<0.040	<5	<0.010	<0.010	8.8	<0.010	<0.050	<0.020	<0.005
MW-207D	Dec-07	<0.1	<0.01	0.077	<0.2	<0.01		<0.01	120	<0.01	<0.01	<0.01	0.11	25	1.5	<0.0002	<0.01	2.5	0.26	<0.01	13	<0.01	<0.01	0.037	<0.01

TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	d-Al (mg/l)	d-Sb (mg/l)	d-As (mg/l)	d-Ba (mg/l)	d-Be (mg/l)	d-B (mg/l)	d-Cd (mg/l)	d-Ca (mg/l)	d-Cr (mg/l)	d-Co (mg/l)	d-Cu (mg/l)	d-Fe (mg/l)	d-Mg (mg/l)	d-Mn (mg/l)	d-Hg (mg/l)	d-Ni (mg/l)	d-K (mg/l)	d-Se (mg/l)	d-Ag (mg/l)	d-Na (mg/l)	d-Tl (mg/l)	d-V (mg/l)	d-Zn (mg/l)	d-Pb (mg/l)
Well	Date																								
Clam Co CW Qual		0.05	0.05	0.05	1	0.005	1	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	
Se's a Cold. Vg.		0.05	0.05	0.05	1	0.005	1	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	
MW-220	March-97																								
MW-220	June-97												0.26	43	0.95			2.3			18				<0.01
MW-220	Sept-97												0.33	52	1.1			2.9			16				<0.01
MW-220	Dec-97												0.65	72	1.4			7.1	<0.05	<0.01	16	<0.03	<0.03	0.1	0.011
MW-220	Mar-98												0.11	9				3.8			15				<0.01
MW-220	June-98												<0.05	47	1.1			3.2			15				<0.01
MW-220	Sept-98												0.35	63	1.4			2.9			17				<0.01
MW-220	Dec-98												0.33	82	1.2			3.3			17				0.019
MW-220	Apr-99												0.73	110	3.1			5.8			19				<0.01
MW-220	Jun-99												0.17	82	1.4			3.6	<0.01	<0.01	19	<0.01	<0.01	<0.01	<0.01
MW-220	Sept-99												0.36	53	1.4			6.05	<0.002	<0.010	18.7	<0.001	<0.010	<0.020	<0.001
MW-220	Dec-99												0.131	71.2	1.25			3.06			13.4				0.003
MW-220	Apr-00												0.232	46.1	1.15			2.53			11.8				<0.001
MW-220	Jun-00												0.688	71.2	1.25			3.19			16.6				<0.001
MW-220	Sept-00												0.211	46.5	1.05			2.33			16.8				<0.001
MW-220	Dec-00												0.241	48.5	1.12			2.85	<0.002	<0.010	12.4	<0.001	<0.010	<0.020	<0.001
MW-220	Mar-01												0.277	47.3	1.25			2.33			13.8				0.002
MW-220	Jun-01												0.245	46.8	1.15			2.31			13.2				0.008
MW-220	Sept-01												0.281	51.7	1.35			2.42			14.7				<0.001
MW-220	Dec-01												0.449	57.6	1.72			2.57			21.5				0.001
MW-220	Mar-02												0.228	50	1.25			2.55	<0.001	<0.010	12	<0.001	<0.010	0.021	<0.001
MW-220	Jun-02												0.228	50	1.25			5.43			12.8				<0.001
MW-220	Sept-02												0.228	50	1.25			3.96	<0.001	<0.010	13.3	<0.001	<0.010	0.033	<0.001
MW-220	Dec-02												0.228	50	1.25			5.84	<0.001	0.0021	12.3	<0.001	<0.010	0.0069	0.0045
MW-220	Apr-04												0.273	47.2	1.25			<0.001	<0.010	0.0021	12.3	<0.001	<0.010	0.0045	<0.001
MW-220	Jun-05												0.273	47.2	1.25			<0.001	<0.010	0.0021	12.3	<0.001	<0.010	0.0045	<0.001
MW-220	Sept-06												0.273	47.2	1.25			<0.001	<0.010	0.0021	12.3	<0.001	<0.010	0.0045	<0.001
MW-220	Dec-07												0.273	47.2	1.25			<0.001	<0.010	0.0021	12.3	<0.001	<0.010	0.0045	<0.001

TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	d-Al (mg/l)	d-Sb (mg/l)	d-As (mg/l)	d-Ba (mg/l)	d-Be (mg/l)	d-B (mg/l)	d-Cd (mg/l)	d-Ca (mg/l)	d-Cr (mg/l)	d-Co (mg/l)	d-Cu (mg/l)	d-Fe (mg/l)	d-Mg (mg/l)	d-Mn (mg/l)	d-Hg (mg/l)	d-Ni (mg/l)	d-K (mg/l)	d-Se (mg/l)	d-Ag (mg/l)	d-Na (mg/l)	d-Tl (mg/l)	d-V (mg/l)	d-Zn (mg/l)	d-Pb (mg/l)
Class GW Qual.																									
Std's & Conf. Val.																									
MW-221S	March-97																								
MW-221S	June-97																								
MW-221S	Sept-97																								
MW-221S	Dec-97																								
MW-221S	Mar-98																								
MW-221S	June-98	<0.1	<0.06	<0.01	<0.2	<0.01	<1	<0.01	190	<0.01	<0.01	<0.02	0.064	34	0.23			4.6	<0.05	<0.01	15	<0.03	<0.03	0.097	<0.01
MW-221S	Sept-98							<0.01	250				0.12	36	0.45	<0.0002	0.031	3.5	<0.05		19				<0.01
MW-221S	Dec-98							<0.01	180				0.24	38	0.9			5.7			33				0.018
MW-221S	Apr-99							<0.01	270				0.11	44	0.09			4.7			37				<0.01
MW-221S	Jun-99							<0.01	270				<0.05	48	1.4			3.1			21				<0.01
MW-221S	Sept-99							<0.01	270				<0.05	34	1.4			3.9			16				<0.01
MW-221S	Dec-99	<0.1	<0.01	<0.001	<0.2	<0.01	<0.5	<0.01	190	<0.01	<0.01	<0.01	<0.05	31	1.3	<0.0002	<0.01	5	<0.01	<0.01	11	<0.01	<0.01	<0.01	<0.01
MW-221S	Apr-00	<0.075	<0.050	<0.002	0.102	<0.002	0.077	<0.0050	212	<0.010	<0.010	<0.017	0.068	26.5	0.04	<0.0002	<0.012	2.41	<0.002	<0.010	10.6	<0.001	<0.010	<0.020	<0.001
MW-221S	Jun-00							<0.0050	224				<0.040	32.5	0.128			3.12			15.3				0.002
MW-221S	Sept-00							<0.005	199				<0.040	31	0.3			3.52			15.8				<0.001
MW-221S	Dec-00							<0.005	224				<0.040	28.1	0.667			3.26			12.6				<0.001
MW-221S	Mar-01							<0.005	217				0.194	41.1	1.75			3.4			51				<0.001
MW-221S	Jun-01	<0.075	<0.050	<0.002	0.114	<0.002	<0.048	<0.005	194	<0.010	<0.010	<0.017	<0.040	28.3	0.195	<0.0002	<0.012	3.28	<0.002	<0.010	18.4	<0.001	<0.010	<0.020	<0.001
MW-221S	Sept-01							<0.005	195				0.056	28.8	1.04			3.26			19.8				0.003
MW-221S	Dec-01							<0.005	209				0.047	32.3	1.91			3.18			21.2				0.008
MW-221S	Mar-02							<0.005	198				1.49	35.5	1.77			3			20.9				<0.001
MW-221S	Jun-02							<0.005	209				0.082	30.2	1.43			2.81			8.09				<0.001
MW-221S	Sept-02	<0.075	<0.050	<0.001	0.075	<0.002	0.068	<0.005	203	<0.010	<0.0100	<0.017	0.09	31.2	1.43	<0.0002	0.014	3.03	0.001	<0.010	9.81	<0.001	<0.010	<0.020	<0.001
MW-221S	Dec-02							<0.001	205				0.154	27.7	1.33			3.43			11.2				<0.001
MW-221S	Apr-04	<0.1	<0.050	<0.001	0.115	<0.002	0.087	<0.001	178	0.016	<0.010	<0.017	0.092	19.7	0.032	<0.0002	<0.012	2.67	0.002	<0.010	9.27	<0.001	<0.010	<0.020	<0.001
MW-221S	Jun-05	<0.0104	<0.0025	0.004	0.221	<0.0040	0.0286	<0.0008	189	0.0012	<0.0019	<0.0012	0.0077	16.5	0.126	<0.00016	<0.0023	2.99	<0.0039	0.0022	10.9	0.0043	<0.002	0.0109	0.0043
MW-221S	Sept-06	<0.200	<0.060	<0.005	0.26	<0.005	<0.050	<0.005	160	<0.010	<0.050	<0.025	<0.100	12	0.047	<0.0002	<0.040	<5	<0.010	<0.010	8.9	<0.010	<0.050	<0.020	<0.005
MW-221S	Dec-07	0.11	<0.01	<0.01	0.22	<0.01	<0.01	<0.01	190	<0.01	<0.01	<0.01	0.16	20	0.76	<0.0002	<0.01	3.6	0.39	<0.01	13	<0.01	<0.01	0.032	<0.01

Monitoring Well	Sample Date	d-Al (mg/l)	d-Sb (mg/l)	d-As (mg/l)	d-Ba (mg/l)	d-Be (mg/l)	d-B (mg/l)	d-Cd (mg/l)	d-Ca (mg/l)	d-Cr (mg/l)	d-Cu (mg/l)	d-Fe (mg/l)	d-Mg (mg/l)	d-Mn (mg/l)	d-Hg (mg/l)	d-Ni (mg/l)	d-K (mg/l)	d-Se (mg/l)	d-Ag (mg/l)	d-Na (mg/l)	d-Ti (mg/l)	d-V (mg/l)	d-Zn (mg/l)	d-Pb (mg/l)
Chas GA GW Qual.		0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
SW-221D	March-97																							
MW-221D	June-97																							
MW-221D	Sept-97																							
MW-221D	Dec-97																							
MW-221D	Mar-98																							
MW-221D	June-98	<0.1	<0.06	<0.01	<0.2	<0.01	<1	<0.01	38	<0.01	<0.02	<0.05	15	<0.01	<0.0002	<0.01	3.2	<0.05	<0.01	15	<0.03	<0.03	0.079	<0.01
MW-221D	Sept-98								39			0.11	18	<0.01			4.7			14				0.017
MW-221D	Dec-98								30			<0.05	12	0.014			2.6			9.8				<0.01
MW-221D	Apr-99								39			0.078	16	0.015			2.8			17				<0.01
MW-221D	Jun-99								45			<0.05	19	0.012			3			18				<0.01
MW-221D	Sept-99								4.6			<0.05	18	<0.01			0.27			1.4				<0.01
MW-221D	Dec-99	<0.1	<0.01	<0.01	<0.2	<0.01	<0.5	<0.01	40	<0.01	<0.01	<0.05	17	<0.01	<0.0002	<0.01	3.1	0.035	<0.01	13	0.017	<0.01	0.022	<0.01
MW-221D	Apr-00	<0.075	<0.050	<0.002	0.05	<0.002	<0.048	<0.0050	38.7	<0.010	<0.010	0.042	16.6	<0.005	<0.0002	<0.012	2.27	<0.002	<0.010	14.3	<0.001	<0.010	<0.020	<0.001
MW-221D	Jun-00							<0.0050	40.3			<0.040	17.2	<0.005			2.25			15.2				0.003
MW-221D	Sept-00							<0.005	41.9			<0.040	17.6	<0.005			2.75			15				<0.001
MW-221D	Dec-00							<0.005	43.7			<0.040	18.3	<0.005			2.69			17.5				0.001
MW-221D	Mar-01							<0.005	39.4			<0.040	16.8	<0.005			2.14			14				<0.001
MW-221D	Jun-01	<0.075	<0.050	<0.002	0.048	<0.002	<0.048	<0.005	42.2	<0.010	<0.010	<0.040	17.9	<0.005	<0.0002	<0.012	2.91	<0.002	<0.010	15.5	<0.001	<0.010	<0.020	<0.001
MW-221D	Sept-01							<0.005	40.5			0.076	17.3	<0.005			2.3			15.1				0.003
MW-221D	Dec-01							<0.005	40.4			<0.040	16.5	<0.005			2.04			13.6				0.002
MW-221D	Mar-02							<0.005	45.8			<0.040	17.9	<0.005			2.17			14.2				<0.001
MW-221D	Jun-02							<0.005	38.6			<0.040	16.5	0.01			2.01			14.5				<0.001
MW-221D	Sept-02	<0.075	<0.050	<0.001	0.047	<0.002	<0.048	<0.005	45.5	<0.010	<0.010	<0.040	17.6	0.01	<0.0002	<0.012	2.5	<0.001	<0.010	14.2	<0.001	<0.010	0.024	<0.001
MW-221D	Dec-02							<0.001	39.2			<0.040	15.3	0.007			3.04			14.6				0.001
MW-221D	Apr-04	<0.1	<0.050	<0.001	0.042	<0.002	0.086	<0.001	37.2	<0.002	<0.010	0.086	15.2	0.009	<0.0002	<0.012	2.34	<0.001	<0.010	13.3	<0.001	<0.010	<0.020	<0.001
MW-221D	Jun-05	<0.0104	<0.0025	<0.0031	0.0555	<0.00040	0.033	<0.00080	42.9	0.0018	<0.0019	0.0345	18	<0.0021	<0.00016	<0.0023	2.9	<0.0039	<0.0011	13.7	<0.0029	<0.002	0.0053	<0.0019
MW-221D	Sept-06	<0.200	<0.060	<0.005	<0.200	<0.005	<0.050	<0.005	45	<0.010	<0.050	0.16	18	0.043	<0.0002	<0.040	<5	<0.010	<0.010	14	<0.010	<0.050	<0.020	<0.005
MW-221D	Dec-07																							

Monitoring Well	Sample Date	d-Al (mg/l)	d-Sb (mg/l)	d-As (mg/l)	d-Ba (mg/l)	d-Be (mg/l)	d-B (mg/l)	d-Cd (mg/l)	d-Ca (mg/l)	d-Cr (mg/l)	d-Co (mg/l)	d-Cu (mg/l)	d-Fe (mg/l)	d-Mg (mg/l)	d-Mn (mg/l)	d-Hg (mg/l)	d-Ni (mg/l)	d-K (mg/l)	d-Se (mg/l)	d-Ag (mg/l)	d-Na (mg/l)	d-Tl (mg/l)	d-V (mg/l)	d-Zn (mg/l)	d-Pb (mg/l)
MW-223S	March-97																								
MW-223S	June-97												0.4	43	2.3				1.4			8.6			<0.01
MW-223S	Sept-97												0.064	28	0.42				1.8			9.4			<0.01
MW-223S	Dec-97																								<0.01
MW-223S	Mar-98																								<0.01
MW-223S	June-98	<0.1	<0.06	<0.01	<0.2	<0.01	<1	<0.01	210	<0.01	<0.01	<0.02				0.00036	<0.01	1.7	<0.05	<0.01	11	<0.03	<0.03	0.1	<0.01
MW-223S	Sept-98								220				0.07	46	1.1			2.3				11			<0.01
MW-223S	Dec-98								100				0.33	29	0.03			1.8				8.3			0.04
MW-223S	Apr-99								210				0.1	30	3.1			1.4				12			0.011
MW-223S	Jun-99								210				0.34	44	1.1			1.8				14			<0.01
MW-223S	Sept-99								240				25	36	3.1			1.7				16			<0.01
MW-223S	Dec-99	<0.01	<0.01	0.001	<0.2	<0.01	<0.5	<0.01	220	<0.01	<0.01	<0.01	17	46	3.1			1.7	<0.01	<0.01		12	<0.01	<0.01	<0.01
MW-223S	Apr-00	<0.075	<0.050	0.013	0.055	<0.002	<0.048	<0.0050	189	<0.010	<0.010	<0.017	3.5	47	1.02		<0.0002	1.3	<0.002	<0.010	11.6	<0.001	<0.010	<0.020	<0.001
MW-223S	Jun-00							<0.0050	229				25.5	43	3.0			1.47				16.6			0.002
MW-223S	Sept-00							<0.005	224				24.3	46.7	3.1			1.61				16.7			<0.001
MW-223S	Dec-00							<0.005	234				24.3	40.1	0.05			1.57				19.1			<0.001
MW-223S	Mar-01							<0.005	210				21	47.1	3.36			1.32				12.6			0.002
MW-223S	Jun-01	<0.075	<0.050	0.022	0.056	<0.002	<0.048	<0.005	230	<0.010	<0.010	<0.017	23.6	48.9	3.77		<0.0002	1.88	<0.002	<0.010	13.9	<0.001	<0.010	<0.020	<0.001
MW-223S	Sept-01							<0.005	216				25.3	43.7	3.0			1.41				18.8			0.005
MW-223S	Dec-01							<0.005	230				22.2	45.3	3.35			1.29				17.3			0.001
MW-223S	Mar-02							<0.005	236				25.3	45.9	3.1			1.43				12			<0.001
MW-223S	Jun-02							<0.005	204				25.3	44.3	3.39			1.36				13.4			<0.001
MW-223S	Sept-02	<0.075	<0.050	0.024	0.056	<0.002	<0.048	<0.005	215	<0.010	<0.010	<0.017	21.3	46.3	3.48		<0.0002	1.38	0.001	<0.010	15.5	<0.001	<0.010	0.023	<0.001
MW-223S	Dec-02							<0.001	174				19.7	43.8	3.24			1.32				14.5			<0.001
MW-223S	Apr-04	<0.1	<0.050	0.002	0.063	<0.002	<0.048	<0.001	60.5	<0.002	<0.010	<0.017	0.123	1	<0.0050	<0.0002	0.012	1.82	<0.001	<0.010	10.9	<0.001	<0.010	<0.020	<0.001
MW-223S	Jun-05	<0.0104	<0.0025	0.0054	0.12	<0.0004	0.0194	<0.0008	99.3	0.0018	<0.0019	0.012	<0.0019	0.279	0.0021	<0.00016	0.0023	2.33	<0.0019	<0.0011	11.6	<0.0029	<0.002	<0.0025	<0.0019
MW-223S	Sept-06	<0.200	<0.060	0.025	<0.200	<0.005	<0.050	<0.005	170	<0.010	<0.050	<0.025	16	38	2.1	<0.0002	<0.040	<5	<0.010	<0.010	17	<0.010	<0.050	<0.020	<0.005
MW-223S	Dec-07	<0.1	<0.01	0.018	<0.2	<0.01		<0.01	150	<0.01	<0.01	<0.01	4	47	1.9	<0.0001	<0.01	1.8	0.36	<0.01	17	<0.01	<0.01	0.034	<0.01

Monitoring	Sample	d-Al	d-Sb	d-As	d-Ba	d-Be	d-B	d-Cd	d-Ca	d-Cr	d-Co	d-Cu	d-Fe	d-Mg	d-Mn	d-Hg	d-Ni	d-K	d-Se	d-Ag	d-Na	d-Ti	d-V	d-Zn	d-Pb
Well	Date	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	
Chemical Data		See 8.003																							
Safety & Health		See 8.003																							
MW-223D	March-97																								
MW-223D	June-97												0.1	37	1.3			1.1			10			<0.01	
MW-223D	Sept-97												0.067	26	0.52			3.3			13			<0.01	
MW-223D	Dec-97																								
MW-223D	Mar-98																								
MW-223D	June-98																								
MW-223D	Sept-98																								
MW-223D	Dec-98																								
MW-223D	Apr-99																								
MW-223D	June-99																								
MW-223D	Sept-99																								
MW-223D	Dec-99																								
MW-223D	Apr-00																								
MW-223D	June-00																								
MW-223D	Sept-00																								
MW-223D	Dec-00																								
MW-223D	Mar-01																								
MW-223D	June-01																								
MW-223D	Sept-01																								
MW-223D	Dec-01																								
MW-223D	Mar-02																								
MW-223D	June-02																								
MW-223D	Sept-02																								
MW-223D	Dec-02																								
MW-223D	Apr-04																								
MW-223D	June-05																								
MW-223D	Sept-06																								
MW-223D	Dec-07																								

Monitoring Well	Sample Date	d-Al (mg/l)	d-Stb (mg/l)	d-As (mg/l)	d-Ba (mg/l)	d-Be (mg/l)	d-B (mg/l)	d-Cl (mg/l)	d-Ca (mg/l)	d-Cr (mg/l)	d-Co (mg/l)	d-Cu (mg/l)	d-Fe (mg/l)	d-Mg (mg/l)	d-Mn (mg/l)	d-Hg (mg/l)	d-Ni (mg/l)	d-K (mg/l)	d-Se (mg/l)	d-Ag (mg/l)	d-Na (mg/l)	d-Tl (mg/l)	d-V (mg/l)	d-Zn (mg/l)	d-Pb (mg/l)
Chemical Quality																									
Surf & Gnd. Vols																									
MW-303D	March-97																								
MW-303D	June-97																								
MW-303D	Sept-97																								
MW-303D	Dec-97																								
MW-303D	Mar-98																								
MW-303D	June-98	<0.1	<0.06	<0.01	<0.2	<0.01	<1	<0.01	38	<0.01	<0.01	<0.02	0.067	15	0.014	<0.0002	<0.01	8.1	<0.03	<0.01		<0.03	<0.03	0.1	<0.01
MW-303D	Sept-98								49				0.07	30	0.018			8.6							0.016
MW-303D	Dec-98								40				0.19	17	0.033			7.7							<0.01
MW-303D	Apr-99								44				0.26	18	0.036			4.9							<0.01
MW-303D	Jun-99								54				0.062	22	0.041			5							<0.01
MW-303D	Sept-99								55				0.086	21	<0.01			6.8							<0.01
MW-303D	Dec-99	<1	<0.01	<0.01	<2	<0.01	<5	<0.01	49	<0.01	<0.01	<0.01	<0.05	20	0.031	<0.0002	<0.01	9.5	0.037	<0.01		0.03	<0.01	0.014	<0.01
MW-303D	Apr-00	<0.075	<0.050	0.004	0.032	<0.002	0.355	<0.0050	44.4	<0.010	<0.010	<0.017	0.091	18.9	0.021	<0.0002	<0.012	5.64	<0.002	<0.010		<0.001	<0.010	<0.020	<0.001
MW-303D	Jun-00								45.1				0.079	19.4	0.047			6.69							0.002
MW-303D	Sept-00								47.2				0.330	19.5	0.048			6.12							<0.001
MW-303D	Dec-00								50.7				0.349	21.1	0.044			7.22							<0.001
MW-303D	Mar-01								42.9				0.745	18.8	0.028			7.21							0.028
MW-303D	Jun-01	<0.075	<0.050	0.003	0.029	<0.002	0.375	<0.005	42.5	<0.010	<0.010	0.021	0.533	18.1	0.02	<0.0002	<0.012	8.34	<0.002	<0.010		<0.001	<0.010	0.067	0.003
MW-303D	Sept-01								47.7				1	19.5	0.047			5.21							0.002
MW-303D	Dec-01								47.8				0.028	19.4	0.036			6.55							0.001
MW-303D	Mar-02								40				0.400	18.1	0.021			6.64							0.001
MW-303D	Jun-02								45.1				0.354	18.5	0.025			5.5							0.002
MW-303D	Sept-02	<0.075	<0.050	0.006	0.036	<0.002	0.35	<0.005	50.5	<0.010	<0.0100	<0.017	0.245	20.4	0.139	<0.0002	0.019	5.32	<0.001	<0.010		<0.001	<0.010	<0.020	<0.001
MW-303D	Dec-02								48.8				4.83	23.2	0.042			5.26							<0.001
MW-303D	Apr-04	<0.1	<0.050	0.004	0.03	<0.002	0.343	<0.001	40.3	<0.002	<0.010	<0.017	0.318	16.8	0.025	<0.0002	<0.012	5.71	0.001	<0.010		<0.001	<0.010	<0.020	0.002
MW-303D	Jun-05	<0.0104	<0.0025	0.0092	0.0315	<0.00040	0.37	<0.00080	48.6	<0.00090	<0.0019	<0.0012	0.0135	19.3	0.0038	<0.00016	0.0031	9.1	<0.0039	<0.0011		<0.0029	<0.002	0.0187	<0.0019
MW-303D	Sept-06	<0.200	<0.060	0.0058	<0.200	<0.005	0.38	<0.005	53	<0.010	<0.050	<0.025	0.39	21	0.022	<0.0002	<0.040	<10	<0.010	<0.010		<0.010	<0.050	<0.020	<0.005
MW-303D	Dec-07																								

TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	d-Al (mg/l)	d-Sb (mg/l)	d-As (mg/l)	d-Ba (mg/l)	d-Be (mg/l)	d-B (mg/l)	d-Cd (mg/l)	d-Ca (mg/l)	d-Cr (mg/l)	d-Co (mg/l)	d-Cu (mg/l)	d-Fe (mg/l)	d-Mg (mg/l)	d-Mn (mg/l)	d-Hg (mg/l)	d-Ni (mg/l)	d-K (mg/l)	d-Se (mg/l)	d-Ag (mg/l)	d-Na (mg/l)	d-Tl (mg/l)	d-V (mg/l)	d-Zn (mg/l)	d-Pb (mg/l)
Chase GA GW Quad																									
SW & Gold Val																									
MW-303S	March-97																								
MW-303S	June-97																								
MW-303S	Sept-97																								
MW-303S	Dec-97																								
MW-303S	Mar-98																								
MW-303S	June-98	< 0.1	< 0.06	< 0.01	< 0.2	< 0.01	< 1	< 0.01	150	< 0.01	< 0.01	< 0.02	6.7	32	2.4	< 0.0002	< 0.01	7.5	< 0.05	< 0.01	18	< 0.03	< 0.03	0.041	< 0.01
MW-303S	Sept-98								190	< 0.01			2.7	39	2.5			10			16				0.014
MW-303S	Dec-98								130	< 0.01			15	28	2.2			7.3			12				< 0.01
MW-303S	Apr-99								190	< 0.01			35	40	3.4			7.1			23				< 0.01
MW-303S	June-99								200	< 0.01			35	45	3.1			8			27				< 0.01
MW-303S	Sept-99								210	< 0.01			25	42	3.3			9.7			22				< 0.01
MW-303S	Dec-99	< 1	< 0.01	0.007	0.24	< 0.01	< 5	< 0.01	200	< 0.01	< 0.01	< 0.01	18	44	3.1	0.00026	< 0.01	9.8	< 0.01	< 0.01	19	< 0.01	< 0.01	< 0.01	< 0.01
MW-303S	Apr-00	< 0.075	< 0.050	0.003	0.077	< 0.0002	0.063	0.005	190	< 0.010	0.013	< 0.017	3.54	32.5	3.38	< 0.0002	0.016	4.71	< 0.002	< 0.010	14.5	< 0.001	< 0.010	0.031	< 0.001
MW-303S	June-00							< 0.0050	181				7.28	32.7	3.75			5.43			16.3				< 0.001
MW-303S	Sept-00							< 0.005	167				14	30.6	3.05			5.72			14.5				0.002
MW-303S	Dec-00							< 0.005	190				25	34.8	3.1			6.3			18.3				< 0.001
MW-303S	Mar-01							< 0.005	194				19.3	35.6	3.2			5.05			16.5				< 0.001
MW-303S	June-01	< 0.075	< 0.050	0.01	0.153	< 0.0002	0.063	< 0.005	176	< 0.010	0.013	< 0.017	20.3	35.2	3.12	< 0.0002	0.018	6.04	< 0.002	< 0.010	15.5	< 0.001	< 0.010	< 0.020	< 0.001
MW-303S	Sept-01							< 0.005	156				22.8	30.5	2.94			5.18			14.2				0.002
MW-303S	Dec-01							< 0.005	177				27.2	34.3	2.31			5.36			14.9				0.005
MW-303S	Mar-02							< 0.005	158				27.7	33.7	2.35			5.1			13.9				< 0.001
MW-303S	June-02							< 0.005	170				31.9	34.1	2.34			5.59			17.2				< 0.001
MW-303S	Sept-02	< 0.075	< 0.050	0.013	0.271	< 0.0002	0.063	< 0.005	177	< 0.010	< 0.0100	< 0.017	24.9	36.1	2.1	< 0.0002	0.015	5.91	< 0.001	< 0.010	18.2	< 0.001	< 0.010	0.023	< 0.001
MW-303S	Dec-02							< 0.001	150				31.3	34.5	2.4			5.09			14.4				< 0.001
MW-303S	Apr-04	< 0.1	< 0.050	0.009	0.12	< 0.0002	< 0.048	< 0.001	134	< 0.002	< 0.010	< 0.017	30.3	21.5	1.81	< 0.002	< 0.012	3.17	< 0.001	< 0.010	8.92	< 0.001	< 0.010	< 0.020	< 0.001
MW-303S	June-05	< 0.0104	< 0.0025	0.0099	0.147	< 0.00040	0.0376	< 0.0008	148	< 0.0009	< 0.0019	< 0.0012	22.5	21.6	1.74	< 0.00016	< 0.0023	3.38	< 0.0039	0.0017	8.66	0.0025	< 0.002	< 0.0025	0.0031
MW-303S	Sept-06	< 0.200	< 0.060	0.0076	< 0.300	< 0.0005	< 0.050	< 0.005	140	< 0.010	< 0.050	< 0.025	21	22	1.8	< 0.0002	< 0.040	< 5	< 0.010	< 0.010	8.4	< 0.010	< 0.050	< 0.020	< 0.005
MW-303S	Dec-07																								

TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring	Well	Date	d-Al (mg/l)	d-Sb (mg/l)	d-As (mg/l)	d-Sa (mg/l)	d-Br (mg/l)	d-B (mg/l)	d-Cd (mg/l)	d-Cu (mg/l)	d-Cr (mg/l)	d-Co (mg/l)	d-Fe (mg/l)	d-Mg (mg/l)	d-Mn (mg/l)	d-Hg (mg/l)	d-Ni (mg/l)	d-K (mg/l)	d-Se (mg/l)	d-Ag (mg/l)	d-Na (mg/l)	d-Tl (mg/l)	d-V (mg/l)	d-Zn (mg/l)	d-Pb (mg/l)	
Camp G-1, GW Quad 0.05 0.05	MW-304D	March-97																								
	MW-304D	June-97																								
	MW-304D	Sept-97																								
	MW-304D	Dec-97																								
	MW-304D	Mar-98																								
	MW-304D	June-98	<0.1	<0.06	<0.01	<0.2	<0.01	<1	<0.01	130	<0.01	<0.01	<0.01	0.55	29	0.05	<0.0002	<0.01	5.1	<0.05	<0.01	43	<0.03	<0.03	0.092	<0.01
	MW-304D	Sept-98							<0.01	120	<0.01	<0.01	0.17	29	0.05		4.9				39				<0.01	
	MW-304D	Dec-98							<0.01	48	<0.01	<0.01	0.074	13	0.1		<1				30				<0.01	
	MW-304D	Apr-99							<0.01	130	<0.01	<0.01	<0.01	5.7	31	0.07		4.1			44				<0.01	
	MW-304D	Jun-99							<0.01	160	<0.01	<0.01	<0.01	7.6	36	0.04		4.8			45				<0.01	
	MW-304D	Sept-99							<0.01	150	<0.01	<0.01	<0.01	6.6	35	0.05		5			44				<0.01	
	MW-304D	Dec-99	<1	<0.01	<0.01	<2	<0.01	<5	<0.01	120	<0.01	<0.01	<0.01	4.2	30	0.03	<0.0002	<0.01	4.4	0.005	<0.01	35	<0.01	<0.01	<0.01	
	MW-304D	Apr-00	<0.075	<0.050	0.004	0.207	<0.002	0.099	<0.0050	129	<0.0050	<0.010	<0.017	6.18	30.7	0.066	<0.0002	<0.012	3.84	<0.002	<0.010	34.5	<0.001	<0.010	<0.020	<0.001
	MW-304D	Jun-00							<0.0050	71.4				1.9	23.5	0.038			3.96			35.1				0.005
	MW-304D	Sept-00							<0.005	91.7				4.29	25.3	0.391			3.5			36.5				<0.001
	MW-304D	Dec-00							<0.005	60.4				0.669	19	0.034			2.79			46.3				<0.001
MW-304D	Mar-01							<0.005	156				10.1	35.4	0.975			4.2			31.1				<0.001	
MW-304D	Jun-01	<0.075	<0.050	0.003	0.097	<0.002	0.067	<0.005	76.3	<0.010	<0.010	<0.017	2.30	22.3	0.217	<0.0002	<0.012	3.58	<0.002	<0.010	37.7	<0.001	<0.010	0.037	<0.001	
MW-304D	Sept-01							<0.005	77.9				1.2	22.9	0.173			3.26			40.4				0.002	
MW-304D	Dec-01							<0.005	64.1				1.07	17.8	0.045			2.66			39.4				<0.001	
MW-304D	Mar-02							<0.005	70.3				1.36	19.8	0.135			2.14			34.3				<0.001	
MW-304D	Jun-02							<0.005	78.9				2.09	20.9	0.263			2.81			35.1				0.002	
MW-304D	Sept-02	<0.075	<0.050	0.012	0.049	<0.002	0.056	<0.005	60.5	<0.005	<0.0100	<0.017	0.637	17.8	0.024	<0.0002	<0.012	2.59	<0.001	<0.010	36.2	<0.001	<0.010	<0.020	<0.001	
MW-304D	Dec-02							<0.001	57.4				0.446	18.3	0.048			1.79			32.8				<0.001	
MW-304D	Apr-04	<0.1	<0.050	0.01	0.06	<0.002	0.061	<0.001	54.9	<0.001	<0.010	<0.017	0.425	15.3	0.096	<0.0002	<0.012	1.99	<0.001	<0.010	34.3	<0.001	<0.010	<0.020	<0.001	
MW-304D	Jun-05	<0.0104	<0.0025	0.0077	0.0455	<0.0004	0.0327	<0.0008	57.9	<0.00090	<0.0019	<0.0012	0.0146	16.4	0.0033	<0.00016	<0.0023	3.33	<0.0039	<0.0011	34.5	<0.0039	<0.002	0.0095	<0.0019	
MW-304D	Sept-06	<0.200	<0.060	0.0065	0.21	<0.005	0.093	<0.005	130	<0.010	<0.050	<0.025	7.4	28	0.35	<0.0002	<0.040	7.4	<0.010	<0.010	30	<0.010	<0.050	<0.020	<0.005	
MW-304D	Dec-07	<0.1	<0.01	0.018	<0.2	<0.01	<0.01	<0.01	120	<0.01	<0.01	<0.01	4	27	0.62	<0.0002	<0.01	4.7	0.25	<0.01	36	<0.01	<0.01	0.04	<0.01	

Monitoring Well	Sample Date	d-Al (mg/l)	d-Sb (mg/l)	d-As (mg/l)	d-Ba (mg/l)	d-Bi (mg/l)	d-B (mg/l)	d-Cl (mg/l)	d-Ca (mg/l)	d-Cr (mg/l)	d-Cu (mg/l)	d-Fe (mg/l)	d-Mg (mg/l)	d-Mn (mg/l)	d-Hg (mg/l)	d-Ni (mg/l)	d-K (mg/l)	d-Se (mg/l)	d-Ag (mg/l)	d-Na (mg/l)	d-Tl (mg/l)	d-V (mg/l)	d-Zn (mg/l)	d-Pb (mg/l)
MW-304S	March-97																							
MW-304S	June-97																							
MW-304S	Sept-97																							
MW-304S	Dec-97																							
MW-304S	Mar-98																							
MW-304S	June-98	<0.1	<0.06	<0.01	<0.2	<0.01	<1	<0.01	190	<0.01	<0.02				<0.0002	0.013	3.3	<0.05	<0.01	21	<0.03	<0.03	0.08	<0.01
MW-304S	Sept-98								200								4.1			19				<0.01
MW-304S	Dec-98								140								1.4			13				<0.01
MW-304S	Apr-99								190								3.1			21				<0.01
MW-304S	Jun-99								220								3.5			21				<0.01
MW-304S	Sept-99								210								3.8			25				<0.01
MW-304S	Dec-99	<0.1	<0.01	0.016	0.32	<0.01	<5	<0.01	200	<0.01	<0.01				0.00023	<0.01	3.8	<0.01	<0.01	18	<0.01	<0.01	<0.01	<0.01
MW-304S	Apr-00	<0.075	<0.050	<0.002	0.316	<0.002	0.068	<0.0050	197	<0.010	0.012	<0.017			<0.0002	0.018	2.94	<0.002	<0.010	18.1	<0.001	<0.010	<0.020	<0.001
MW-304S	Jun-00							<0.0050	129								2.36			14				<0.001
MW-304S	Sept-00							<0.005	182								3.42			17.5				0.001
MW-304S	Dec-00							<0.005	196								3.41			21.2				<0.001
MW-304S	Mar-01							<0.005	184								2.96			17.6				<0.001
MW-304S	Jun-01	0.893	<0.050	<0.002	0.463	<0.002	0.167	<0.005	198	<0.010	<0.010	<0.017			<0.0002	0.11	3.44	<0.002	<0.010	18.4	<0.001	<0.010	0.068	<0.001
MW-304S	Sept-01							<0.005	184								3.09			17.3				0.002
MW-304S	Dec-01							0.007	185								2.84			17.4				0.002
MW-304S	Mar-02							<0.005	175								2.79			16.9				0.004
MW-304S	Jun-02							<0.005	171								3.62			18.7				0.002
MW-304S	Sept-02	<0.075	<0.050	<0.001	0.455	<0.002	0.09	<0.005	184	<0.010	<0.010	<0.017			<0.0002	0.023	2.9	0.001	<0.010	17.1	<0.001	<0.010	0.02	<0.001
MW-304S	Dec-02							<0.001	173								2.99			18.9				<0.001
MW-304S	Apr-04	<0.1	0.052	0.001	0.395	<0.002	0.082	<0.001	162	<0.002	<0.010	<0.017			<0.0002	0.022	3.14	<0.001	<0.010	17.4	<0.001	<0.010	<0.020	<0.001
MW-304S	Jun-05	<0.0104	<0.0025	<0.0031	0.448	<0.004	0.045	<0.0008	167	<0.0009	<0.0019	<0.0013			<0.00016	<0.0023	4.03	<0.0039	0.0022	17.4	0.0032	<0.002	0.0032	0.0029
MW-304S	Sept-06	<0.200	<0.060	<0.005	0.37	<0.005	<0.050	<0.005	150	<0.010	<0.050	<0.025			<0.0002	<0.040	<5	<0.010	<0.010	12	<0.010	<0.050	<0.020	<0.005
MW-304S	Dec-07	<0.1	<0.01	0.01	0.33	<0.01		<0.01	160	<0.01	<0.01	<0.01			<0.0002	<0.01	3.5	0.03	<0.01	11	<0.01	<0.01	0.022	<0.01

Monitoring Well	Sample Date	Al (mg/l)	Si (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	B (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Se (mg/l)	As (mg/l)	Na (mg/l)	Ti (mg/l)	V (mg/l)	Zn (mg/l)
Chloride & Sulfate Yr.		0.06	0.06	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
PZ-1A	March-97	0.76	<0.06	<0.01	<0.2	<0.01	<1	<0.01	95	<0.01	<0.01	<0.02	1.1	<0.01	18	0.39	<0.0004	<0.01	2.3	<0.05	<0.01	11	<0.03	<0.03	0.17
PZ-1A	June-97							<0.01	110				1.4	<0.01	21	0.52			2.4			13			
PZ-1A	Sept-97							<0.01	96				1.1	<0.01	21	0.26			2.1			18			
PZ-1A	Dec-97							<0.01	92				1.1	<0.01	20	0.16			2.4			18			
PZ-1A	Mar-98							<0.01	96				1.1	<0.01	22	0.19			2.6			18			
PZ-1A	June-98	0.93	<0.06	<0.01	<0.2	<0.01	<1	<0.01	93	<0.01	<0.01	<0.02	1.1	<0.01	23	0.48	<0.0002	<0.01	2.5	<0.05	<0.01	18	<0.03	<0.03	0.13
Location Not Sampled																									
PZ-1A	Sept-98							<0.01	170				1.1	<0.01	24	0.54			2.9			20			
PZ-1A	Dec-98							<0.01	110				1.1	<0.01	24	0.48			2.1			18			
PZ-1A	Apr-99							<0.01	130				1.1	<0.01	29	0.74			2.5			22			
PZ-1A	June-99							<0.01	110				1.4	<0.01	24	0.51			2.8			19			
PZ-1A	Sept-99							<0.01	110	<0.01	<0.01	<0.01	1.1	<0.01	26	0.53	<0.0002	<0.01	2.5	0.005	<0.01	17	<0.01	<0.01	0.02
PZ-1A	Dec-99	1.4	<0.01	<0.01	<0.2	<0.01	<0.5	<0.01	110	<0.01	<0.01	<0.01	1.1	<0.01	24	0.29	<0.0002	<0.01	2.09	<0.002	<0.01	17	<0.001	<0.01	<0.02
PZ-1A	Apr-00	0.698	<0.050	0.002	0.051	<0.002	<0.048	<0.0050	109	<0.010	<0.010	<0.017	1.1	<0.01	24	0.29	<0.0002	<0.01	2.09	<0.002	<0.01	17	<0.001	<0.01	<0.02
PZ-1A	June-00							<0.0050	105				0.187	0.004	22.9	0.54			1.69			16.9			
PZ-1A	Sept-00							<0.005	114				0.139	0.007	24.5	0.59			1.73			17			
PZ-1A	Dec-00							<0.005	112				0.176	0.002	23.4	0.54			1.71			16			
PZ-1A	Mar-01							<0.005	110				0.16	0.004	24.1	0.59			1.88			16.9			
PZ-1A	June-01	<0.075	<0.050	<0.002	0.047	<0.002	0.087	<0.005	109	<0.010	<0.010	<0.017	0.112	0.005	23.6	0.54	<0.0002	<0.01	2.44	<0.002	<0.01	16.9	<0.001	<0.01	<0.02
PZ-1A	Sept-01							<0.005	112				0.122	0.003	24.6	0.54			2.1			18			
PZ-1A	Dec-01							<0.005	108				0.095	0.004	23.7	0.57			2.1			16.5			
PZ-1A	Mar-02							<0.005	110				0.093	<0.001	23.7	0.57			1.71			16.2			
PZ-1A	June-02							<0.005	109				0.084	<0.001	24.1	0.57			2.4			17.3			
PZ-1A	Sept-02	<0.075	<0.050	0.001	0.048	<0.002	0.038	<0.005	112	<0.010	<0.010	<0.017	0.1	0.002	24.3	0.57	<0.0002	<0.01	2.81	<0.001	<0.01	19	<0.001	<0.01	<0.02
PZ-1A	Dec-02							<0.001	111				0.103	<0.001	23.2	0.57			1.75			14.5			
PZ-1A	Apr-04	<0.1	<0.050	0.001	0.068	<0.002	0.064	<0.001	109	<0.002	<0.010	<0.017	0.152	<0.001	23.4	0.54	<0.0002	<0.01	2.05	<0.001	<0.01	16	<0.001	<0.01	<0.02
PZ-1A	June-05	0.0638	<0.0644	0.0157	0.0088	<0.00030	0.0292	0.0014	32	<0.00060	<0.002	0.0056	0.168	<0.0017	4.39	0.005	<0.00016	0.0043	10.4	<0.0039	<0.0011	4.78	<0.0023	<0.0031	0.0385
PZ-1A	Oct-06	<0.200	<0.060	<0.005	<0.200	<0.005	<0.050	<0.005	110	<0.010	<0.050	<0.025	<0.100	<0.005	25	0.54	<0.0002	<0.01	<5	<0.010	<0.010	16	<0.010	<0.050	<0.020
PZ-1A	Dec-07	1.2	<0.01	0.016	<0.2	<0.01	<0.5	<0.01	120	<0.01	<0.01	<0.01	2.4	<0.01	28	0.57	<0.0002	<0.01	2.9	<0.01	<0.01	18	<0.01	<0.01	0.022

Monitoring Well	Sample Date	Al (mg/l)	Si (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	B (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Se (mg/l)	Ag (mg/l)	Na (mg/l)	Tl (mg/l)	V (mg/l)	Zn (mg/l)
PZ-4	March-97	9.1	<0.06	<0.01	<0.2	<0.01	<1	<0.01	200	0.016		0.032	22	0.021	28	1.4	<0.0004	0.026	4.5	<0.05	<0.01	11	<0.03		0.16
PZ-4	June-97							<0.01	200				30	0.027	40	1.4			4.9			12			
PZ-4	Sept-97							<0.01	180				31	0.015	40	1.2			3.9			17			
PZ-4	Dec-97							<0.01	170				34	0.015	39	1.2			5			17			
PZ-4	Mar-98							<0.01	750				300	0.25	190	1.1			26			20			
PZ-4	June-98	24	<0.06	0.002	<0.2	<0.01	<1	<0.01	250	0.045	0.039	0.1	61	0.05	85	1.5	<0.002	0.067	9	<0.05	<0.01	17	<0.03	0.037	0.31
PZ-4	Sept-98							<0.01	170				38	<0.01	40	0.9			4			12			
PZ-4	Dec-98							<0.01	280				39	<0.01	30	1.3			3.9			18			
PZ-4	Apr-99							<0.01	550				40	0.08	39	1.5			16			17			
PZ-4	Jun-99							<0.01	570				40	0.2	150	1.2			14			19			
PZ-4	Sept-99							<0.01	170				43	<0.01	30	1.1			4.2			15			
PZ-4	Dec-99	4.4	<0.01	0.022	<0.2	<0.01	<0.5	<0.01	190	<0.01	<0.01	0.022	10	<0.01	40	1.1	<0.0002	0.019	3.7	0.014	<0.01	15	<0.01	<0.01	0.058
PZ-4	Apr-00	2.53	<0.050	0.007	0.044	<0.002	0.092	<0.0050	169	<0.010	<0.010	<0.017	133	0.04	34.1	2.29	<0.0002	<0.012	2.81	<0.002	<0.010	19.2	<0.001	<0.010	0.037
PZ-4	Jun-00							<0.0050	177				43	0.003	42.7	1.84			2.85			14.4			
PZ-4	Sept-00							<0.005	187				140	0.006	43.7	1.85			2.74			17.7			
PZ-4	Dec-00							<0.005	83.5				150	0.002	28.3	1.02			4.41			30.7			
PZ-4	Mar-01							<0.003	173				64	<0.001	41.4	1.46			2.33			14.9			
PZ-4	June-01	19.2	<0.050	0.035	0.109	<0.002	0.087	<0.005	298	0.03	0.025	0.086	40	0.028	80.1	3.2	<0.0002	0.062	6.36	<0.002	<0.010	15	<0.001	0.034	0.167
PZ-4	Sept-01							<0.005	279				22.5	0.025	34	2.17			4.77			17.4			
PZ-4	Dec-01							<0.005	244				39.7	0.018	38.4	2.48			4.91			18.1			
PZ-4	Mar-02							<0.005	260				11.2	0.009	44	1.3			3.56			18.6			
PZ-4	June-02							<0.005	203				29.1	0.013	40.4	1.99			5.33			16.2			
PZ-4	Sept-02	2.2	<0.050	0.013	0.039	<0.002	0.081	<0.005	193	0.014	<0.0100	0.029	3.25	0.007	40.3	1.42	<0.0002	0.013	3.31	0.001	<0.010	18	<0.001	<0.010	0.052
PZ-4	Dec-02							<0.001	218				6.19	0.011	40.9	1.91			2.94			15.4			
PZ-4	Apr-04	<0.1	<0.050	0.017	0.066	<0.002	0.093	<0.001	192	0.012	0.01	0.044	34	0.012	40.3	1.7	<0.0002	0.044	3.66	0.001	<0.010	18.4	<0.001	0.02	0.086
PZ-4	Jun-05	2.46	<0.044	0.039	0.104	0.0003	0.175	<0.00050	62.7	0.0074	0.0028	0.0086	8.38	0.0035	15.5	0.71	<0.00016	0.0057	2.18	<0.0039	0.0012	32.5	0.0041	0.0049	0.161
PZ-4	Oct-06	6.8	<0.060	0.02	<0.200	<0.005	0.097	<0.005	210	<0.010	<0.050	<0.025	12	0.0066	48	1.6	<0.0002	<0.040	6.5	<0.010	<0.010	22	<0.010	<0.050	0.046

Monitoring Well	Sample Date	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Bk (mg/l)	B (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Se (mg/l)	Ag (mg/l)	Na (mg/l)	Ti (mg/l)	V (mg/l)	Zn (mg/l)
PZ-11	March-97	0.92	<0.06	<0.01	<0.2	<0.01	<1	<0.01	130	<0.01	<0.01	<0.02	2.8	<0.01	24	135	<0.0004	<0.01	2.5	<0.05	<0.01	6.6	<0.03		0.13
PZ-11	June-97							<0.01	180				3.2	0.013	34	135			3.1			10			
PZ-11	Sept-97							<0.01	140				1.3	<0.01	31	137			2.7			9.6			
PZ-11	Dec-97							<0.01	110				2.3	<0.01	25	133			2.7			11			
PZ-11	Mar-98							<0.01	150				2.9	<0.01	29	144			3.3			13			
PZ-11	June-98	0.6	<0.06	<0.01	<0.2	<0.01	<1	<0.01	160	<0.01	<0.01	<0.02	3.6	<0.01	26	134	<0.0002	<0.01	3.2	<0.05	<0.01	12	<0.03	<0.03	0.23
PZ-11	Sept-98							<0.01	190				5	<0.01	40	140			4.2			9.3			
PZ-11	Dec-98							<0.01	260				2.2	<0.01	35	139			3.6			12			
PZ-11	Apr-99							<0.01	170				3.4	<0.01	37	135			2.8			10			
PZ-11	Jun-99							<0.01	180				3.3	<0.01	31	137			2.6			13			
PZ-11	Sept-99							<0.01	160				3.5	<0.01	29	131			3			12			
PZ-11	Dec-99	1.1	<0.01	<0.01	<0.2	<0.01	<0.5	<0.01	140	<0.01	<0.01	<0.01	2.3	<0.01	27	132	<0.0002	0.016	2.7	<0.04	<0.01	12	<0.01	<0.01	0.066
PZ-11	Apr-00	<0.075	<0.050	0.006	0.061	<0.002	<0.048	<0.0050	156	<0.010	<0.010	<0.017	1.35	0.001	30.3	134	<0.0002	<0.012	2.3	<0.002	<0.010	10.5	<0.001	<0.010	0.049
PZ-11	Jun-00							<0.0050	190				1.34	0.003	35	139			2.38			10.6			
PZ-11	Sept-00							<0.005	170				2.1	0.012	29.7	141			2.08			9.73			
PZ-11	Dec-00							<0.005	162				2.34	0.002	27.4	135			2.12			10.2			
PZ-11	Mar-01							<0.005	142				2.01	0.005	25.2	136			2.28			9.45			
PZ-11	Jun-01	0.375	<0.050	0.006	0.052	<0.002	0.049	<0.005	147	<0.010	<0.010	<0.017	1.4	0.01	26.5	137	<0.0002	<0.012	2.79	<0.002	<0.010	10.1	<0.001	<0.010	0.098
PZ-11	Sept-01							<0.005	169				1.46	0.005	32.4	140			2.37			11.4			
PZ-11	Dec-01							<0.005	156				3.03	0.004	28.1	135			2.24			10.7			
PZ-11	Mar-02							<0.005	135				4.04	0.004	23.2	138			2.15			9.19			
PZ-11	Jun-02							<0.005	94.6				5.08	0.008	16.3	132			2.16			10.8			
PZ-11	Sept-02	0.763	<0.050	0.01	0.052	<0.002	<0.048	<0.005	118	<0.010	<0.010	<0.017	2.31	0.007	20.7	136	<0.0002	<0.012	2.34	<0.001	<0.010	11.9	<0.001	<0.010	0.041
PZ-11	Dec-02							<0.001	109				0.844	0.002	17.5	133			2.09			10.9			
PZ-11	Apr-04	<0.1	<0.050	0.009	0.04	<0.002	0.066	<0.001	116	0.004	<0.010	<0.017	2.39	0.007	19.3	133	<0.0002	<0.012	2.37	<0.001	<0.010	12.5	<0.001	<0.010	0.098
PZ-11	Jun-05																								
PZ-11	Oct-06	<0.200	<0.060	0.021	<0.200	<0.005	<0.050	<0.005	190	<0.010	<0.050	<0.025	2.3	<0.005	30	135	<0.0002	<0.040	<5	<0.010	<0.010	14	<0.010	<0.050	0.023
PZ-11	Dec-07	0.2	<0.01	0.019	<0.2	<0.01	<0.5	<0.01	240	<0.01	<0.01	<0.01	10	<0.01	40	136	<0.0002	<0.01	5.3	<0.01	<0.01	15	<0.01	<0.01	0.048

Monitoring Well	Sample Date	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	B (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Se (mg/l)	Ag (mg/l)	Na (mg/l)	Ti (mg/l)	V (mg/l)	Zn (mg/l)
Class 100 (mg/l)		0.05	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
State & Fed. Std.		0.05	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
MW-3B	March-97	1.2	<0.06	0.016	<0.2	<0.01	<1	<0.01	100	<0.01	<0.01	<0.02	2.2	0.014	16	0.04	<0.0004	<0.01	1.7	<0.05	<0.01	14	<0.03		0.13
MW-3B	June-97							<0.01	110				3	<0.01	19	0.1		2				17			
MW-3B	Sept-97							<0.01	110				1.1	<0.01	18	0.3		1.3				30			
MW-3B	Dec-97							<0.01	110				1.1	<0.01	19	0.37		1.6				35			
MW-3B	Mar-98							<0.01	130				2	<0.01	27	0.74		2.3				32			
MW-3B	June-98							Sample Location Inaccessible																	
MW-3B	Sept-98							Location Not Sampled																	
MW-3B	Dec-98							<0.01	190				2.4	<0.01	22	0.1		1.9				30			
MW-3B	Apr-99							<0.01	130				1.8	<0.01	24	0.99		1.5				28			
MW-3B	Jun-99							Location Not Sampled																	
MW-3B	Sept-99							Location Not Sampled																	
MW-3B	Dec-99	0.85	<0.01	0.036	<0.2	<0.01	<0.5	<0.01	160	<0.01	<0.01	0.034	2.3	<0.01	30	1	<0.0002	0.019	2	0.03	<0.01	35	<0.01	<0.01	0.023
MW-3B	Apr-00																								
MW-3B	Jun-00							<0.0050	181				1.05	0.002	35.5	1.07		1.71				39.8			
MW-3B	Sept-00							<0.005	181				0.05	0.002	34.4	0.02		1.67				38			
MW-3B	Dec-00							<0.005	186				1.14	0.001	35.9	0.04		1.77				39.3			
MW-3B	Mar-01							<0.005	179				1.23	0.002	34.1	0.03		2.07				66.3			
MW-3B	Jun-01	<0.075	<0.050	0.039	0.103	<0.002	0.228	<0.005	181	<0.010	<0.010	<0.017	1.5	0.006	36.3	1.06	0.0003	0.028	2.55	<0.002	<0.010	30.1	<0.001	<0.010	<0.020
MW-3B	Sept-01							<0.005	181				1.24	0.003	37.1	0.05		1.98				71.9			
MW-3B	Dec-01							<0.005	175				1.36	0.004	37.2	0.06		2.02				39.3			
MW-3B	Mar-02							<0.005	183				1.21	0.001	35.3	0.03		1.73				63.9			
MW-3B	Jun-02							<0.005	165				1.49	0.002	33.4	0.04		1.82				37			
MW-3B	Sept-02	<0.075	<0.050	0.028	0.117	<0.002	0.238	<0.005	171	<0.010	<0.0100	<0.017	1.22	0.002	35.4	0.04	<0.0002	0.02	2.11	0.001	<0.010	71.3	<0.001	<0.010	0.021
MW-3B	Dec-02							<0.001	177				1.27	<0.001	35	0.04		2.13				64.1			
MW-3B	Apr-04	<0.1	<0.050	0.045	0.132	<0.002	0.237	<0.001	174	<0.002	<0.010	<0.017	1.32	0.003	36.1	0.03	<0.0002	0.015	2.53	0.001	<0.010	70.7	<0.001	<0.010	<0.020
MW-3B	Jun-05	30.3	<0.0025	0.007	0.174	0.0013	0.0646	<0.0008	370	0.0441	0.0282	0.0802	27.4	0.008	39	0.06	<0.00016	0.0567	12.1	<0.0039	0.0053	19.3	0.011	0.0499	0.221
MW-3B	Sept-06	<0.200	<0.060	0.046	<0.200	<0.005	0.27	<0.005	180	<0.010	<0.050	<0.025	1.5	<0.005	40	1.1	<0.0002	<0.040	<5	<0.010	<0.010	74	<0.010	<0.050	<0.020
MW-3B	Dec-07	0.18	<0.01	0.051	0.2	<0.01	<0.5	<0.01	160	<0.01	<0.01	<0.01	1.5	<0.01	34	0.99	<0.0002	<0.01	4.3	0.34	<0.01	58	<0.01	<0.01	0.022

TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	B (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Se (mg/l)	Ag (mg/l)	Na (mg/l)	Tl (mg/l)	V (mg/l)	Zn (mg/l)	
Chase Creek GW Qual. 100% & Gold Val.	MW-2075	March-97	73	0.21	<0.01	13	<0.01	<1	320	0.1	0.42	0.16	170	0.005	33	0.9	<0.0004	0.16	16	<0.05	<0.01	12	<0.03	0.73		
	MW-2075	June-97						<0.01	190			0.005	120	0.005	0.7	0.5			10			9.6				
	MW-2075	Sept-97						<0.01	190			0.005	130	0.005	0.7	0.5			14			14				
	MW-2075	Dec-97						<0.01	270			0.005	150	0.005	0.7	0.5			15			14				
	MW-2075	Mar-98						<0.01	270			0.005	160	0.005	0.7	0.5			21			15				
	MW-2075	June-98	52	<0.06	0.13	0.64	<0.01	<1	<0.01	210	0.006	0.061	0.27	130	0.005	0.6	0.5	0.00021	0.12	15	<0.05	<0.01	14	<0.03	0.49	
	MW-2075	Sept-98						<0.01	330			0.005	240	0.005	0.7	0.5			23			12				
	MW-2075	Dec-98						<0.01	380			0.005	280	0.005	0.7	0.5			4.8			12				
	MW-2075	Apr-99						<0.01	310			0.005	260	0.005	0.7	0.5			12			11				
	MW-2075	Jun-99						<0.01	410			0.005	310	0.005	0.7	0.5			9.3			14				
	MW-2075	Sept-99						0.005	380			0.005	300	0.005	0.7	0.5			12			11				
	MW-2075	Dec-99	63	<0.01	0.29	1.1	<0.01	<5	0.012	400	0.005	0.091	0.45	200	0.005	0.6	0.5	0.00063	0.17	8.9	<0.01	<0.01	11	<0.01	0.096	0.55
	MW-2075	Apr-00	48.5	<0.050	0.62	0.699	0.004	0.073	0.007	219	0.055	0.048	0.348	130	0.004	0.9	0.83	0.0004	0.109	10.9	0.002	<0.010	10.9	<0.001	0.082	0.387
	MW-2075	Jun-00							<0.0050	209			0.017	36.1	0.017	0.9	0.5			3.47			10.5			
	MW-2075A	Sept-00							<0.005	196			0.007	20.3	0.007	0.3	0.3			2.87			10.6			
MW-2075A	Dec-00							<0.005	180			0.002	12.1	0.002	0.3	0.3			2.67			9.53				
MW-2075A	Mar-01							<0.005	181			0.001	8.7	0.001	0.3	0.3			2.95			10.3				
MW-2075A	Jun-01	1.02	<0.050	0.067	0.157	<0.002	<0.048	<0.005	182	<0.010	<0.010	<0.017	27.6	0.006	0.6	0.6	0.0002	<0.012	1.35	<0.002	<0.010	10.5	<0.001	<0.010	<0.020	
MW-2075A	Sept-01							<0.005	199			0.009	34.3	0.009	0.6	0.6			3.52			11				
MW-2075A	Dec-01							<0.005	202			0.004	31.7	0.004	0.6	0.6			3.12			11.2				
MW-2075A	Mar-02							<0.005	189			0.003	26.6	0.003	0.6	0.6			2.83			10.2				
MW-2075A	Jun-02							<0.005	182			0.002	21.6	0.002	0.6	0.6			2.45			10.9				
MW-2075A	Sept-02	<0.075	<0.050	0.040	0.195	<0.002	0.056	<0.005	187	<0.010	<0.010	<0.017	28.3	0.002	0.6	0.6	<0.0002	<0.012	2.48	0.001	<0.010	11.1	<0.001	<0.010	<0.020	
MW-2075A	Dec-02							<0.001	181			<0.001	18.6	<0.001	0.3	0.3			2.58			8.98				
MW-2075A	Apr-04	<0.1	<0.050	0.040	0.224	<0.002	0.118	<0.001	171	<0.002	<0.010	<0.017	41.3	<0.001	0.3	0.3	<0.0002	0.013	2.79	<0.001	<0.010	10	<0.001	<0.010	<0.020	
MW-2075A	Jun-05	9.19	<0.0025	0.040	0.322	<0.0004	0.0422	<0.0008	163	0.0144	0.0106	0.0514	35.9	0.0195	0.6	0.6	<0.00016	0.0147	6.16	<0.0019	0.0019	9.99	<0.0029	0.0176	0.109	
MW-2075A	Sept-06	<0.200	<0.060	0.040	0.3	<0.005	<0.050	<0.005	150	<0.010	<0.050	<0.025	18	<0.005	0.3	0.3	<0.0002	<0.040	<5	<0.010	<0.010	10	<0.010	<0.050	<0.020	
MW-2075A	Dec-07	15	<0.01	0.081	0.51	<0.01	<0.5	<0.01	170	0.021	0.022	0.16	45	0.042	0.4	0.4	<0.0002	0.052	6.8	<0.01	<0.01	9.5	<0.01	0.012	0.23	

Monitoring Well	Sample	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	B (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Se (mg/l)	Ag (mg/l)	Na (mg/l)	Ti (mg/l)	V (mg/l)	Zn (mg/l)
Date	March-97	0.73	<0.06	<0.01	<0.2	<0.01	<1	<0.01	120	<0.01	<0.01	<0.02	12	0.012	22	1.8	<0.0004	<0.01	4.6	<0.05	<0.01	4.2	<0.03		0.17
June-97	June-97							<0.01	130				11	0.014	28	1.7			3.9			5.1			
Sept-97	Sept-97							<0.01	140				14	<0.01	30	0.04			7.1			9.4			
Dec-97	Dec-97							<0.01	160				4	<0.01	30	7			3			14			
Mar-98	Mar-98							<0.01	190				32	0.021	39	1.2			5.8			13			
June-98	June-98	2.2	<0.06	0.037	<0.2	<0.01	<1	<0.01	150	<0.01	<0.01	<0.02	19	<0.01	31	1.5	<0.0002	<0.01	3.2	<0.05	<0.01	9.4	<0.03	<0.03	0.15
Sept-98	Sept-98							<0.01	200				19	0.01	63	1.2			2.8			13			
Dec-98	Dec-98							<0.01	210				9.6	<0.01	39	2.4			<1			12			
Apr-99	Apr-99							<0.01	170				29	<0.01	35	3.4			2.4			12			
June-99	June-99							<0.01	220				22	<0.01	48	3.6			2.9			17			
Sept-99	Sept-99							<0.01	180				12	<0.01	34	3.1			2.7			13			
Dec-99	Dec-99	2.4	<0.01	0.028	<2	<0.01	<5	<0.01	190	<0.01	<0.01	0.014	8.1	<0.01	40	3.1	<0.002	<0.01	3	0.017	<0.01	16	<0.01	<0.01	0.051
Apr-00	Apr-00	0.785	<0.050	0.011	0.04	<0.002	<0.048	<0.0050	133	<0.010	<0.010	<0.017	4.64	0.003	29.1	0.334	<0.0002	<0.012	5.8	<0.002	<0.010	17.4	<0.001	<0.010	0.052
June-00	June-00							<0.0050	174				2.36	0.001	34.5	1.29			1.31			12.5			
Sept-00	Sept-00							<0.005	188				3.25	0.01	26.7	1.54			1.4			12.7			
Dec-00	Dec-00							<0.005	186				3.07	0.001	16.8	1.36			1.4			11.7			
Mar-01	Mar-01							<0.005	185				2.03	0.001	27	1.20			1.48			11.5			
June-01	June-01	0.098	<0.050	0.051	0.147	<0.002	<0.048	<0.005	179	<0.010	<0.010	<0.017	1.08	0.007	33.6	1.26	<0.0002	<0.012	1.79	<0.002	<0.010	11.3	<0.001	<0.010	<0.020
Sept-01	Sept-01							<0.005	182				3.40	0.018	36.9	2.16			1.41			11.4			
Dec-01	Dec-01							<0.005	180				2.89	0.002	36.7	2.09			1.23			10.8			
Mar-02	Mar-02							<0.005	171				3.02	<0.001	34.2	1.12			1.14			10.2			
June-02	June-02							<0.005	158				1.34	0.005	32.3	0.89	<0.0002	0.021	1.16	<0.001	<0.010	10.3	<0.001	<0.010	<0.020
Sept-02	Sept-02	<0.075	<0.050	0.056	0.131	<0.002	<0.048	<0.005	160	<0.010	<0.010	<0.017	1.71	<0.001	32.4	2.05			1.25			10.5	<0.001	<0.010	<0.020
Dec-02	Dec-02							<0.001	162				1.59	<0.001	31.2	2.04			1.25			8.82			
Apr-04	Apr-04	<0.1	<0.050	0.053	0.111	<0.002	<0.048	<0.001	141	<0.002	<0.010	<0.017	1.11	<0.001	29	1.30	<0.0002	0.016	1.37	<0.001	<0.010	9.63	<0.001	<0.010	<0.020
June-05	June-05	0.204	<0.0025	0.0005	0.0433	<0.0004	0.0238	<0.0008	94.4	0.0034	<0.0019	0.0036	1.83	0.0091	27	2.28	<0.00016	0.0027	8.42	<0.0039	0.0021	19.8	<0.0029	<0.002	0.0934
Sept-06	Sept-06	<0.200	<0.060	0.051	<0.200	<0.005	<0.050	<0.005	130	<0.010	<0.050	<0.025	2.3	<0.005	28	3.1	<0.0002	<0.040	<5	<0.010	<0.010	10	<0.010	<0.050	<0.020
Dec-07	Dec-07	3.3	<0.01	0.059	<0.2	<0.01	<0.5	<0.01	140	<0.01	<0.01	0.014	11	<0.01	30	2.7	<0.0002	<0.01	3.7	0.33	<0.01	13	<0.01	<0.01	0.081

Monitoring Well	Sample	Al (mg/l)	Sh (mg/l)	As (mg/l)	Ba (mg/l)	B (mg/l)	Cd (mg/l)	Cu (mg/l)	Cr (mg/l)	Co (mg/l)	Fe (mg/l)	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Se (mg/l)	Ag (mg/l)	Na (mg/l)	Tl (mg/l)	V (mg/l)	Zn (mg/l)
MW-220	March-97	6.2	0.072	<0.01	<0.2	<0.01	<0.01	220	<0.01	0.021	19	0.016	72	1.5	<0.0004	0.013	5.4	<0.05	<0.01	9.4	<0.03		0.13
MW-220	June-97						<0.01	220			19	0.016	98	1.7			4.9			13			
MW-220	Sept-97						<0.01	220			33	0.037	82	2.6			7			23			
MW-220	Dec-97						<0.01	220			31	0.03	65	3.2			7.3			21			
MW-220	Mar-98						<0.01	220			44	0.056	70	3.4			7.9			19			
MW-220	June-98	7.9	<0.06	0.017	<0.2	<0.01	<0.01	270	0.017	<0.01	17	0.014	92	3.1	0.00035	0.022	10	<0.05	<0.01	16	<0.03	<0.03	0.11
MW-220	Sept-98						<0.01	340			39	0.28	187	3.4			26			16			
MW-220	Dec-98						<0.01	410			100	0.066	119	6.3			14			23			
MW-220	Apr-99						<0.01	330			31	0.027	89	3.7			6.2			19			
MW-220	Jun-99						<0.01	300			27	0.018	73	3.6			5.4			18			
MW-220	Sept-99						<0.01	400			26	<0.01	110	2.5			8.1			17			
MW-220	Dec-99	16	<0.01	0.11	<0.2	<0.01	<0.01	230	0.024	0.016	35	0.029	69	2.5	<0.0002	0.042	6	<0.01	<0.01	17	<0.01	0.02	0.078
MW-220	Apr-00	0.378	<0.050	<0.002	0.056	<0.002	0.079	<0.0050	<0.010	<0.010	1.1	0.001	32.5	1.5	<0.0002	<0.012	4.82	<0.002	<0.010	18.2	<0.001	<0.010	<0.020
MW-220	Jun-00						<0.0050	364			238	0.004	109	2.03			3.37			13			
MW-220	Sept-00						0.005	225			36.1	0.013	35.5	1.9			4.18			12.1			
MW-220	Dec-00						<0.005	250			6.09	0.005	72.7	3.39			3.38			12.4			
MW-220	Mar-01						<0.005	184			0.38	0.004	37.4	1.07			2.54			16.6			
MW-220	Jun-01	0.461	<0.050	0.006	0.047	<0.002	0.059	<0.005	<0.010	<0.010	2.44	0.008	47.3	1.68	<0.0002	0.012	2.85	<0.002	<0.010	12	<0.001	<0.010	<0.020
MW-220	Sept-01						<0.005	193			17.3	0.016	30.5	1.15			3.6			14			
MW-220	Dec-01						<0.005	199			6.39	0.007	32.9	3.02			3.24			14.1			
MW-220	Mar-02						<0.005	213			2.39	0.006	33.3	3.69			3.34			15.1			
MW-220	Jun-02						<0.005	247			13.3	0.008	43.3	2.15			4.82			21.3			
MW-220	Sept-02	1.43	<0.050	0.005	0.058	<0.002	0.082	<0.005	<0.010	<0.0100	3.34	0.006	30.3	1.43	<0.0002	0.015	3.09	0.001	<0.010	13.2	<0.001	<0.010	0.026
MW-220	Dec-02						<0.001	328			2.37	0.003	34.6	3.44			3.75			13.6			
MW-220	Apr-04	4.09	<0.050	0.01	0.061	<0.002	0.147	<0.001	0.004	<0.010	7	0.005	44.6	7.41	<0.002	0.016	2.95	<0.001	<0.010	14.6	<0.001	<0.010	0.024
MW-220	Jun-05	1.03	<0.0025	0.0342	0.0589	<0.0004	0.0508	<0.00080	0.0032	0.0026	5.39	0.0102	37.7	2.9	<0.00016	<0.0023	5.51	<0.0039	0.0045	13	0.0006	<0.002	0.0704
MW-220	Sept-06	<0.200	<0.060	0.0051	<0.200	<0.005	0.054	<0.005	<0.010	<0.050	0.66	<0.005	60	1.3	<0.0002	<0.040	<5	<0.010	<0.010	14	<0.010	<0.050	<0.020
MW-220	Dec-07	2.6	<0.01	0.05	<0.2	<0.01	<0.5	<0.01	<0.01	0.011	10	0.015	49	3.1	<0.0002	<0.01	8.7	0.001	<0.01	19	<0.01	<0.01	0.052

TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	Al (mg/l)	Sh (mg/l)	As (mg/l)	Ba (mg/l)	B (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Se (mg/l)	Ag (mg/l)	Na (mg/l)	Tl (mg/l)	V (mg/l)	Zn (mg/l)
Chase Creek GW Quad																								
MW-221S	March-97	59	0.2	<0.01	0.4	<0.01	<0.01	250	0.032		0.2	91	0.017	33	19	<0.0004	0.15	15	<0.05	<0.01	39	<0.03		0.55
MW-221S	June-97						<0.01	240				40	0.041	43	7.9			7.9			24			
MW-221S	Sept-97						<0.01	260				180	0.11	75	10			20			54			
MW-221S	Dec-97						<0.01	290				120	0.15	66	9.6			18			37			
MW-221S	Mar-98						<0.01	290				86	0.11	60	4.6			13			17			
MW-221S	June-98	30	<0.06	0.061	0.23	<0.01	<0.01	220	0.048	0.026	0.092	39	0.044	51	3.9	<0.0002	0.08	11	<0.05	<0.01	22	<0.03	0.04	0.34
MW-221S	Sept-98						<0.01	320				151	0.055	95	1.2			26			59			
MW-221S	Dec-98						<0.01	380				120	0.056	87	59			15			57			
MW-221S	Apr-99						<0.01	320				51	0.046	55	2.4			7.5			16			
MW-221S	Jun-99						<0.01	380				130	0.074	78	3.3			7.9			26			
MW-221S	Sept-99						<0.01	300				16	<0.01	37	1.2			7.9			41			
MW-221S	Dec-99	16	<0.01	0.072	0.23	<0.01	<0.5	220	0.022	0.02	0.078	38	0.042	47	3.4	<0.0002	0.05	7.3	<0.01	<0.01	20	<0.01	0.02	0.14
MW-221S	Apr-00	10.1	<0.050	0.009	0.174	<0.002	<0.048	235	0.021	<0.010	0.048	18.4	0.024	33	1.45	<0.0002	0.015	4.6	<0.002	<0.010	11.2	<0.001	0.021	0.096
MW-221S	Jun-00						<0.0050	229				0.639	0.009	33.2	0.654			3.18			15.2			
MW-221S	Sept-00						<0.005	205				5.75	0.009	32.5	1.3			1.88			15.5			
MW-221S	Dec-00						<0.005	214				4.59	0.006	26.8	0.013			3.42			9.8			
MW-221S	Mar-01						<0.005	214				5.34	0.005	40.8	2.01			4.6			30.4			
MW-221S	Jun-01	0.296	<0.050	0.002	0.121	<0.002	0.084	192	<0.010	<0.010	0.018	0.444	0.008	27.8	0.052	<0.0002	0.012	3.27	<0.002	<0.010	18	<0.001	<0.010	<0.020
MW-221S	Sept-01						<0.005	196				0.3	0.02	32.7	1.65			4.66			19.9			
MW-221S	Dec-01						<0.005	209				9.22	0.007	38.4	2.4			4.53			22.2			
MW-221S	Mar-02						<0.005	198				16.3	0.009	40.3	1.48			5.04			22.6			
MW-221S	Jun-02						<0.005	228				31.8	0.01	33.8	2.31			3.89			8.51			
MW-221S	Sept-02	2.84	<0.050	0.015	0.097	<0.002	0.092	198	<0.010	<0.010	0.022	7.57	0.006	33.4	2.1	<0.0002	0.016	3.74	0.001	<0.010	18.2	<0.001	<0.010	0.042
MW-221S	Dec-02						<0.001	231				4.5	0.008	30.5	1.72			3.32			8.98			
MW-221S	Apr-04	0.141	<0.050	0.002	0.134	<0.002	0.112	193	0.002	<0.010	<0.017	2.71	0.003	21.7	0.27	<0.0002	<0.012	2.98	0.002	<0.010	10	<0.001	<0.010	<0.020
MW-221S	Jun-05	1.72	<0.0025	0.0062	0.285	<0.0004	0.0397	205	0.003	0.0021	0.0068	2.9	0.0088	19.5	0.451	<0.00016	0.0027	3.94	<0.0019	0.0027	14.4	<0.0029	0.0031	0.0279
MW-221S	Sept-06	<0.200	<0.040	<0.005	0.29	<0.005	<0.050	160	<0.010	<0.050	<0.025	0.11	<0.005	12	0.032	<0.0002	<0.040	<5	<0.010	<0.010	9.7	<0.010	<0.050	<0.020
MW-221S	Dec-07	13	<0.01	0.03	0.33	<0.01	<0.5	200	0.018	0.12	0.05	27	0.034	26	1.8	<0.0002	0.039	6.3	0.49	<0.01	12	<0.01	0.014	0.13

TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	B (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Se (mg/l)	Ag (mg/l)	Na (mg/l)	Tl (mg/l)	V (mg/l)	Zn (mg/l)
Chas. G. W. Qual. S&P & Gold, Vol. 1																									
MW-221D	March-97	<0.01	<0.06	<0.01	<0.2	<0.01	<1	<0.01	37	<0.01	<0.01	<0.02	0.19	<0.01	14	<0.01	<0.0004	0.012	2.1	<0.05	<0.01	9.8	<0.03		0.056
MW-221D	June-97							<0.01	40				0.44	<0.01	16	0.024			2.5			13			
MW-221D	Sept-97							<0.01	36				0.31	<0.01	14	<0.01			2			14			
MW-221D	Dec-97							<0.01	37				0.16	<0.01	16	<0.01			3.3			15			
MW-221D	Mar-98							<0.01	41				0.66	0.01	16	0.025			3			15			
MW-221D	June-98	0.11	<0.06	<0.01	<0.2	<0.01	<1	<0.01	38	<0.01	<0.01	<0.02	0.23	<0.01	18	<0.01	<0.0002	0.014	4.1	<0.05	<0.01	16	<0.03	<0.03	0.11
MW-221D	Sept-98							<0.01	39				0.13	<0.01	17	<0.01			4.2			12			
MW-221D	Dec-98							<0.01	67				0.31	<0.01	17	0.016			3.2			16			
MW-221D	Apr-99							<0.01	40				0.29	0.01	17	0.014			2.6			15			
MW-221D	Jun-99							<0.01	51				0.31	<0.01	21	0.01			3			20			
MW-221D	Sept-99							<0.01	44				0.19	<0.01	18	<0.01			3.5			16			
MW-221D	Dec-99	<0.1	<0.01	<0.01	<0.2	<0.01	<0.5	<0.01	43	<0.01	<0.01	<0.01	0.19	<0.01	18	<0.01	<0.0002	<0.01	2.9	0.001	<0.01	15	0.023	<0.01	0.028
MW-221D	Apr-00	<0.075	<0.050	<0.002	0.05	<0.002	0.073	<0.0050	39.2	<0.010	<0.010	<0.017	0.041	0.002	16.7	<0.005	<0.0002	<0.012	2.24	<0.002	<0.010	14.5	<0.001	<0.010	<0.020
MW-221D	Jun-00							<0.0050	41.7				0.276	0.002	17.7	0.006			2.13			15.4			
MW-221D	Sept-00							<0.005	44				0.054	0.006	18.2	<0.005			2.12			15.3			
MW-221D	Dec-00							<0.005	42.9				0.049	0.002	17.3	<0.005			2.39			14.3			
MW-221D	Mar-01							<0.005	42				0.063	0.007	17.6	<0.005			2.49			15			
MW-221D	Jun-01	<0.075	<0.050	<0.002	0.048	<0.002	0.066	<0.005	40.3	<0.010	<0.010	<0.017	0.057	0.007	16.9	<0.005	<0.0002	<0.012	2.85	<0.002	<0.010	14.8	<0.001	<0.010	<0.020
MW-221D	Sept-01							<0.005	41.8				0.432	0.01	17.6	0.013			2.44			15.1			
MW-221D	Dec-01							<0.005	41.5				0.206	0.003	17.4	0.008			2.21			14.6			
MW-221D	Mar-02							<0.005	43.1				0.151	0.002	17.4	0.007			2.21			14.4			
MW-221D	Jun-02							<0.005	40.4				0.092	0.002	17.1	0.012			2.15			15			
MW-221D	Sept-02	<0.075	<0.050	<0.001	0.047	<0.002	0.059	<0.005	38.7	<0.010	<0.0100	<0.017	0.111	0.003	16.1	0.007	<0.0002	<0.012	2.01	<0.001	<0.010	14.4	<0.001	<0.010	<0.020
MW-221D	Dec-02							0.001	44.1				0.114	0.003	17.4	0.007			2.43			14.1			
MW-221D	Apr-04	<0.1	<0.050	<0.001	0.049	<0.002	0.092	<0.001	41.4	<0.002	<0.010	<0.017	0.14	<0.001	17	0.005	<0.0002	<0.012	2.5	<0.001	<0.010	14.9	<0.001	<0.010	<0.020
MW-221D	Jun-05	0.177	<0.0025	<0.0031	0.0613	<0.0004	0.0581	<0.0008	46.4	0.0017	<0.0019	0.0025	0.47	0.004	18.7	0.0185	<0.00016	<0.0023	3.03	<0.0039	0.0018	14.5	<0.0029	<0.002	0.0126
MW-221D	Sept-06	<0.200	<0.060	<0.005	<0.200	<0.005	<0.050	<0.005	45	<0.010	<0.030	<0.025	0.26	<0.005	19	0.04	<0.0002	<0.040	<5	<0.010	<0.010	15	<0.010	<0.050	<0.020
MW-221D	Dec-07	0.12	<0.01	0.015	<0.2	<0.01	<0.5	<0.01	45	<0.01	<0.01	<0.01	0.25	<0.01	19	<0.01	<0.0002	<0.01	3.4	0.007	<0.01	15	<0.01	<0.01	0.025

Monitoring Well	Sample Date	Al (mg/l)	Sh (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	B (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Sr (mg/l)	Ag (mg/l)	Na (mg/l)	Tl (mg/l)	V (mg/l)	Zn (mg/l)
Chloride GW Qual																									
Surf & Gnd. Vols																									
MW-222	March-97	11	<0.06	<0.01	0.28	<0.01	<1	<0.01	270	0.015		0.054	41	0.006	26	2.4	<0.0004	0.031	6.4	<0.05	<0.01	40	<0.03		0.19
MW-222	June-97							<0.01	290				44	0.022	41	1.3			6.5			60			
MW-222	Sept-97							<0.01	290				56	0.044	44	1.9			11			200			
MW-222	Dec-97							<0.01	220				49	0.055	45	1			28			270			
MW-222	Mar-98							<0.01	190				33	0.015	36	1.3			17			130			
MW-222	June-98	4.7	<0.06	0.076	0.27	<0.01	<1	<0.01	190	0.011	<0.01	0.026	34	0.018	33	1.4	<0.0002	0.021	12	<0.05	<0.01	67	<0.03	<0.03	0.092
MW-222	Sept-98							<0.01	290				41	0.055	38	2			16			34			
MW-222	Dec-98							<0.01	340				44	0.019	39	1.3			40			170			
MW-222	Apr-99							<0.01	270				43	0.017	38	1.4			22			140			
MW-222	Jun-99							<0.01	200				43	0.02	38	1.3			22			160			
MW-222	Sept-99							<0.01	180				34	<0.01	36	0.9			49			170			
MW-222	Dec-99	3.8	<0.01	0.031	0.82	<0.01	<0.5	<0.01	160	<0.01	0.012	0.031	30	0.018	35	0.55	<0.0002	0.042	48	<0.026	<0.01	130	<0.01	<0.01	0.072
MW-222	Apr-00	2.17	<0.050	0.075	0.423	<0.002	0.25	<0.0050	169	<0.010	<0.010	<0.017	28.3	0.006	33.4	0.400	<0.0002	<0.012	24.2	<0.002	<0.010	30.3	<0.001	0.011	0.034
MW-222	Jun-00							<0.0050	202				25.7	0.001	34.3	1.36			9.94			22.5			
MW-222	Sept-00							<0.005	218				37	0.007	37.3	0.377			7.54			40.8			
MW-222	Dec-00							<0.005	228				32.3	0.002	31.4	0.46			15.9			42.9			
MW-222	Mar-01							<0.005	230				34.4	0.005	39	0.397			7.42			41.7			
MW-222	Jun-01	0.392	<0.050	0.021	0.351	<0.002	0.072	<0.005	205	<0.010	<0.010	<0.017	30.6	0.007	30.3	0.495	<0.0002	0.017	6.77	<0.002	<0.010	30.9	<0.001	<0.010	0.024
MW-222	Sept-01							<0.005	235				44	0.005	37.5	0.36			7.42			61.3			
MW-222	Dec-01							<0.005	194				32.6	0.002	34.6	0.266			30.7			163			
MW-222	Mar-02							<0.005	128				17.7	0.002	30.7	0.163			43.6			248			
MW-222	Jun-02							<0.005	137				18.7	0.004	41.5	0.317			37.7			94.3			
MW-222	Sept-02	0.14	<0.050	0.017	0.325	<0.002	0.265	<0.005	153	<0.010	<0.0100	<0.017	25.7	0.002	40.3	0.305	<0.0002	<0.012	27.6	<0.001	<0.010	51	<0.001	<0.010	0.02
MW-222	Dec-02							<0.001	179				38	0.002	39.6	0.305			18.6			37.3			
MW-222	Apr-04	0.114	<0.050	0.025	0.433	<0.002	0.105	<0.001	223	<0.002	<0.010	0.017	41.5	0.003	38.6	0.377	<0.0002	0.012	4.39	0.001	<0.010	26	<0.001	<0.010	0.032
MW-222	Jun-05	0.0111	<0.0025	0.0205	0.79	<0.0004	0.254	<0.0008	24.4	<0.0009	<0.00019	0.0088	33.1	0.0046	32.6	0.379	<0.00016	0.0085	7.8	<0.0039	0.0048	75.1	<0.0039	0.0025	0.107
MW-222	Sept-06	<0.200	<0.060	0.049	0.54	<0.005	0.18	<0.005	230	<0.010	<0.050	<0.025	41	<0.005	36	0.35	<0.0002	<0.040	9.5	<0.010	<0.010	57	<0.010	<0.050	0.058
MW-222	Dec-07	0.3	<0.01	0.1	0.41	<0.01	0.58	<0.01	240	<0.01	<0.01	0.015	34	<0.01	37	0.73	<0.0002	0.012	16	<0.002	<0.01	43	<0.01	<0.01	0.068

TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample	Al (mg/l)	Sh (mg/l)	As (mg/l)	Ba (mg/l)	B (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Se (mg/l)	Ag (mg/l)	Na (mg/l)	Tl (mg/l)	V (mg/l)	Zn (mg/l)
Chas. C. & Co. Co.	March-97	0.34	<0.06	<0.01	<0.2	<0.01	<0.01	200	<0.01	<0.01	<0.02	31	<0.01	29	3.4	<0.0004	<0.01	1.9	<0.05	<0.01	6.9	<0.3		0.07
Safe & Gold, Vd.	June-97						<0.01	240				19	<0.01	45	2.9			2.7			6.6			
	Sept-97						<0.01	210				5.2	<0.01	38	0.26			2			10			
	Dec-97						<0.01	210				34	<0.01	44	3.9			2.1			9.6			
	Mar-98						<0.01	140				8.2	<0.01	32	0.35			5			15			
	June-98	3.5	<0.06	0.02	<0.2	<0.01	<0.01	230	<0.01	<0.01	<0.02	22	0.11	39	1.8	<0.0002	<0.01	3.4	<0.05	<0.01	12	<0.03	<0.03	0.18
	Sept-98						<0.01	230				34	<0.01	44	1.5			2.9			10			
	Dec-98						<0.01	320				47	<0.01	41	1.4			2.3			15			
	Apr-99						<0.01	220				34	<0.01	39	3.4			2			11			
	Jun-99						<0.01	270				40	0.12	37	3			2.1			15			
	Sept-99						<0.01	240				39	<0.01	35	0.3			2.6			16			
	Dec-99	1.8	<0.01	0.004	<0.2	<0.01	<0.5	230	<0.01	<0.01	<0.01	39	<0.01	51	5.3	<0.0002	<0.01	2.3	<0.01	<0.01	14	<0.01	<0.01	<0.01
	Apr-00	1.38	<0.050	0.021	0.101	<0.002	0.064	227	<0.010	<0.010	<0.017	39	0.002	50.3	0.05	<0.0002	<0.012	1.84	<0.002	<0.010	12.3	<0.001	<0.010	0.029
	Jun-00						<0.0050	233				36.3	0.002	49	0.05			1.4			16.5			
	Sept-00						<0.005	243				39.3	0.008	50.3	0.06			1.35			18			
	Dec-00						<0.005	215				34.3	<0.001	27.3	0.39			1.24			15.7			
	Mar-01						<0.005	213				31.3	0.001	29.3	0.46			1.49			12.6			
	Jun-01	<0.075	<0.050	0.024	0.056	<0.002	<0.048	222	<0.010	<0.010	<0.017	23.9	0.004	44.3	0.3	<0.0002	0.018	1.91	<0.002	<0.010	13.2	<0.001	<0.010	<0.020
	Sept-01						<0.005	211				22.9	0.002	34.3	0.37			1.4			18.5			
	Dec-01						<0.005	207				23.3	<0.001	34.3	0.36			1.34			17.3			
	Mar-02						<0.005	213				23.3	0.003	34.3	0.31			1.37			12.4			
	Jun-02						<0.005	205				30.9	<0.001	34.3	0.39			1.29			13.4			
	Sept-02	<0.075	<0.050	0.022	0.057	<0.002	<0.048	199	<0.010	<0.0100	<0.017	29.6	0.002	32.9	0.31	<0.0002	0.014	1.3	0.001	<0.010	15.8	<0.001	<0.010	<0.020
	Dec-02						<0.001	224				27.9	<0.001	45.3	0.35			1.54			14.4			
	Apr-04	<0.1	<0.050	0.024	0.072	<0.002	0.053	185	<0.002	<0.010	<0.017	44.3	<0.001	38	0.39	<0.0002	0.02	1.5	<0.001	<0.010	13.3	<0.001	<0.010	<0.020
	Jun-05	0.0696	<0.0025	<0.0031	0.134	<0.0004	0.0255	<0.0008	113	0.0029	<0.0019	146	0.0024	3.27	0.0928	<0.00016	<0.0023	2.44	<0.0039	0.0024	12.5	<0.0029	<0.002	0.0186
	Sept-06	<0.200	<0.060	0.031	<0.200	<0.005	<0.050	<0.005	170	<0.010	<0.050	17	<0.005	36	2.1	<0.0002	<0.040	<5	<0.010	<0.010	19	<0.010	<0.050	<0.020
	Dec-07	2.5	<0.01	0.024	<0.3	<0.01	<0.5	<0.01	<0.01	<0.01	0.012	11	<0.01	51	2.3	<0.0002	<0.01	2.8	0.48	<0.01	19	<0.01	<0.01	0.063

TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	B (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Cu (mg/l)	Fe (mg/l)	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Se (mg/l)	Ag (mg/l)	Na (mg/l)	Tl (mg/l)	V (mg/l)	Zn (mg/l)
Case 01 GW (Qual)		0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Case 02 GW (Qual)		0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
MW-223D	March-97	0.39	<0.06	0.02	<0.1	0.019	<0.001	110	0.025	0.028	225	0.009	22	0.005	<0.0004	0.023	2.6	<0.05	<0.01	7.9	<0.03		0.12
MW-223D	June-97						<0.01	190			2.7	<0.01	38	0.005			1.5			6.7			
MW-223D	Sept-97						<0.01	160			3.7	<0.01	34	0.005			2.1			12			
MW-223D	Dec-97						<0.01	180			3.5	<0.01	40	0.005			1.9			11			
MW-223D	Mar-98						<0.01	120			3.5	<0.01	30	0.005			4.5			14			
MW-223D	June-98	2.5	<0.06	<0.01	<0.2	<0.01	<0.01	180	<0.01	<0.02	7.1	<0.01	20	0.005	<0.0002	<0.01	2.6	<0.05	<0.01	12	<0.03	<0.03	0.07
MW-223D	Sept-98						<0.01	170			7.1	<0.01	39	0.005			3.8			9.8			
MW-223D	Dec-98						<0.01	280			2.7	<0.01	21	0.005			2.4			14			
MW-223D	Apr-99						<0.01	210			3.5	<0.01	39	0.005			1.5			12			
MW-223D	Jun-99						<0.01	210			3.5	0.012	24	0.005			2.1			18			
MW-223D	Sept-99						<0.01	200			3.5	<0.01	27	0.005			2.4			12			
MW-223D	Dec-99	1.4	<0.01	0.024	<2	<0.01	<5	160	<0.01	0.012	2.5	<0.01	35	0.005	<0.0002	<0.01	1.7	0.009	<0.01	13	<0.01	<0.01	<0.01
MW-223D	Apr-00	0.486	<0.050	0.011	0.058	<0.002	0.064	189	<0.010	<0.017	3.95	<0.001	43.5	0.005	<0.0002	<0.012	1.5	<0.002	<0.010	11.6	<0.001	<0.010	0.029
MW-223D	Jun-00						<0.0050	201			3.78	0.003	27.3	0.005			1.3			11.9			
MW-223D	Sept-00						<0.005	215			4.05	0.003	20.2	0.005			1.14			11.8			
MW-223D	Dec-00						<0.005	228			4.1	0.001	31.2	0.005			1.11			11.9			
MW-223D	Mar-01						<0.005	210			4.09	0.024	26.1	0.005			1.43			12.2			
MW-223D	Jun-01	0.291	<0.050	0.023	0.051	<0.002	<0.048	196	<0.010	<0.017	4.27	0.005	45.5	0.005	0.0003	<0.012	1.81	<0.002	<0.010	12.5	<0.001	<0.010	<0.020
MW-223D	Sept-01						<0.005	200			4.25	0.003	27.2	0.005			1.32			12.7			
MW-223D	Dec-01						<0.005	205			3.95	<0.001	38.3	0.005			1.26			12.7			
MW-223D	Mar-02						<0.005	212			4.1	0.001	40	0.005			1.22			12.9			
MW-223D	Jun-02						<0.005	195			4.07	<0.001	46.2	0.005			1.2			13			
MW-223D	Sept-02	<0.075	<0.050	0.024	0.047	<0.002	<0.048	190	<0.010	0.012	4.09	0.002	24.9	0.005	<0.0002	0.013	1.15	0.001	<0.010	12.6	<0.001	<0.010	<0.020
MW-223D	Dec-02						<0.001	183			4.09	<0.001	41.5	0.005			1.36			11.2			
MW-223D	Apr-04	0.111	<0.050	0.023	0.038	<0.002	<0.048	150	<0.002	<0.010	3.39	<0.001	34.4	0.005	<0.0002	<0.012	0.86	<0.001	<0.010	11.4	<0.001	<0.010	<0.020
MW-223D	Jun-05	0.0793	<0.0025	0.0031	0.0933	<0.0004	0.0203	38.5	0.0015	<0.0019	0.004	0.0025	3.2	0.0611	<0.00016	0.0046	3.42	<0.0039	0.0023	14.6	<0.0029	<0.002	0.0233
MW-223D	Sept-06	<0.010	<0.060	0.077	<0.200	<0.005	<0.050	170	<0.010	<0.025	3.1	<0.005	41	0.005	<0.0002	<0.040	<5	<0.010	<0.010	14	<0.010	<0.050	<0.020
MW-223D	Dec-07	0.57	<0.01	0.009	<0.2	<0.01	<0.5	170	<0.01	<0.01	2.3	<0.01	44	1.4	<0.0002	<0.01	1.9	0.4	<0.01	15	<0.01	<0.01	0.051

TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	B (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Se (mg/l)	Ag (mg/l)	Na (mg/l)	Tl (mg/l)	V (mg/l)	Zn (mg/l)
Cham Co GW (NW-303D)	March-97	0.19	<0.06	<0.01	<0.2	<0.01	<1	<0.01	43	<0.01	<0.01	<0.02	0.71	<0.01	15	0.026	<0.0004	<0.01	9	0.13	<0.01	82	<0.03	<0.03	0.088
NW-303D	June-97							<0.01	34				0.47	<0.01	16	0.024			5.9			84			
NW-303D	Sept-97							<0.01	42				0.49	<0.01	16	0.021			5.6			140			
NW-303D	Dec-97							<0.01	42				0.31	<0.01	16	0.019			6.7			100			
NW-303D	Mar-98							<0.01	45				0.74	<0.01	18	0.024			5			140			
NW-303D	June-98	0.28	<0.06	<0.01	<0.2	<0.01	<1	<0.01	44	<0.01	<0.01	<0.02	0.37	<0.01	18	0.044	<0.0002	<0.01	8	<0.05	<0.01	100	<0.03	<0.03	0.066
NW-303D	Sept-98							<0.01	50				0.38	0.012	20	0.025			8.9			160			
NW-303D	Dec-98							<0.01	58				0.7	<0.01	21	0.042			<1			300			
NW-303D	Apr-99							<0.01	44				0.79	<0.01	18	0.03			4.4			170			
NW-303D	Jun-99							<0.01	62				1	<0.01	24	0.05			5.4			270			
NW-303D	Sept-99							<0.01	69				2.5	<0.01	24	<0.01			7.1			200			
NW-303D	Dec-99	0.32	<0.01	<0.01	<2	<0.01	<5	<0.01	54	<0.01	<0.01	<0.01	1.6	<0.01	23	0.044	<0.0002	0.05	9.8	0.049	<0.01	190	0.018	<0.01	0.037
NW-303D	Apr-00	0.155	<0.050	0.004	0.037	<0.002	0.384	0.007	47.8	<0.010	<0.010	<0.017	0.365	0.002	20.2	0.034	<0.0002	<0.012	6.02	<0.002	<0.010	107	<0.001	<0.010	0.025
NW-303D	Jun-00							<0.0050	46.9				0.947	0.004	19.6	0.092			6.45			160			
NW-303D	Sept-00							<0.005	49.8				1.07	0.006	20	0.055			6.42			150			
NW-303D	Dec-00							<0.005	53.9				1.33	0.002	21	0.056			6.51			155			
NW-303D	Mar-01							<0.005	44.2				0.365	<0.001	18.5	0.026			5.83			140			
NW-303D	Jun-01	0.215	<0.050	0.006	0.388	<0.002	0.362	<0.005	42.1	<0.010	<0.010	<0.017	1.15	0.004	17.4	0.043	<0.0002	<0.012	7.8	<0.002	<0.010	105	<0.001	<0.010	<0.020
NW-303D	Sept-01							<0.005	49.5				1.07	0.007	19.5	0.05			4.98			137			
NW-303D	Dec-01							<0.005	44.6				1	<0.001	18.9	0.036			6.37			107			
NW-303D	Mar-02							<0.005	46.8				0.375	0.004	18.9	0.026			6.82			143			
NW-303D	Jun-02							<0.005	46.3				0.365	0.005	18.7	0.077			6.09			109			
NW-303D	Sept-02	<0.075	<0.050	0.007	0.035	<0.002	0.382	<0.005	48.1	<0.010	<0.010	<0.017	0.944	0.002	19.2	0.139	<0.0002	<0.012	4.91	0.001	<0.010	144	<0.001	<0.010	<0.020
NW-303D	Dec-02							<0.001	51.1				0.907	<0.001	21.2	0.03			4.88			133			
NW-303D	Apr-04	0.128	<0.050	0.006	0.037	<0.002	0.375	<0.001	46.3	<0.002	<0.010	<0.017	0.979	<0.001	18.2	0.024	<0.0002	<0.012	5.36	0.002	<0.010	100	<0.001	<0.010	0.02
NW-303D	Jun-05	0.0881	<0.0025	0.0035	0.0316	<0.0004	0.367	<0.0080	47.5	0.0011	<0.0019	0.0067	0.428	0.0024	19.2	0.0309	<0.00016	0.0044	8.59	<0.0039	0.0014	105	<0.0029	<0.002	0.0479
NW-303D	Sept-06	<0.200	<0.060	<0.005	<0.200	<0.005	0.33	<0.005	44	<0.010	<0.050	<0.025	0.28	<0.005	18	0.031	<0.0002	<0.040	12	<0.010	<0.010	170	<0.010	<0.050	0.051
NW-303D	Dec-07	0.32	<0.01	0.023	<0.2	<0.01	<0.5	<0.01	57	<0.01	<0.01	<0.01	1.1	<0.01	23	0.06	<0.002	<0.01	7.4	0.13	<0.01	173	<0.01	<0.01	0.057

TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	B (mg/l)	Cd (mg/l)	Cu (mg/l)	Cr (mg/l)	Co (mg/l)	Fe (mg/l)	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Se (mg/l)	Ag (mg/l)	Na (mg/l)	Tl (mg/l)	V (mg/l)	Zn (mg/l)
Cham-GW-Qual	March-97	14	<0.06	<0.01	<0.2	<0.01	<1	<0.01	0.05	0.026	0.037	45	0.003	31	5.4	<0.0004	0.037	10	<0.05	<0.01	18	<0.03		0.16
MW-303S	June-97							<0.01	250			85	0.07	58	1.3			13				17		
MW-303S	Sept-97							<0.01	230			98	0.079	59	3.5			14				28		
MW-303S	Dec-97							<0.01	250			129	0.15	78	5.3			21				29		
MW-303S	Mar-98							<0.01	230			100	0.063	83	3.1			13				27		
MW-303S	June-98	25	<0.06	0.004	0.26	<0.01	<1	<0.01	180	0.001	0.037	54	0.002	39	3.7	<0.0002	0.064	12	<0.05	<0.01	19	<0.03	0.037	0.2
MW-303S	Sept-98							<0.01	270			109	0.12	75	3.5			15				18		
MW-303S	Dec-98							<0.01	390			300	0.2	130	10			6.8				27		
MW-303S	Apr-99							<0.01	260			170	0.064	68	3.3			11				23		
MW-303S	Jun-99							<0.01	320			210	0.005	74	3.8			11				25		
MW-303S	Sept-99							0.013	350			230	0.1	91	6.7			16				24		
MW-303S	Dec-99	40	<0.01	0.17	0.69	<0.01	<1	0.017	320	0.091	0.06	120	0.11	74	3.5	0.00047	0.11	13	<0.01	<0.01	22	<0.01	0.062	0.34
MW-303S	Apr-00	6.97	<0.060	0.007	0.135	<0.002	0.088	<0.0050	200	0.011	0.013	17.6	0.008	37.4	2.79	<0.0002	0.029	5.89	<0.002	<0.010	15.6	<0.001	0.015	0.1
MW-303S	Jun-00							<0.0050	188			12.8	0.008	34.4	2.82			5.8				16.2		
MW-303S	Sept-00							<0.005	161			15.1	0.001	29.7	3.15			5.76				14.3		
MW-303S	Dec-00							<0.005	192			34	0.008	34.4	3.94			5.58				14.2		
MW-303S	Mar-01							<0.005	180			17.3	0.002	33	3.06			4.83				15.3		
MW-303S	Jun-01	0.504	<0.060	0.013	0.146	<0.002	0.055	<0.005	169	<0.010	<0.010	20.5	0.002	33.3	2.98	0.0002	0.018	5.81	<0.002	<0.010	14.5	<0.001	<0.010	<0.020
MW-303S	Sept-01							<0.005	160			24.5	0.004	31.1	2.31			5.27				14.3		
MW-303S	Dec-01							<0.005	177			27.7	0.005	30.3	2.33			5.56				15.6		
MW-303S	Mar-02							<0.005	182			28.3	0.005	34.5	2.28			5.21				14.6		
MW-303S	Jun-02							<0.005	177			23.5	<0.001	35.8	2.35			6.05				17.8		
MW-303S	Sept-02	<0.075	<0.060	0.012	0.289	<0.002	0.092	<0.005	174	<0.010	<0.0100	20.8	0.001	32.4	3.06	<0.0002	0.013	5.41	<0.001	<0.010	18.4	<0.001	<0.010	0.021
MW-303S	Dec-02							<0.001	169			21.9	<0.001	34.6	2.34			5.61				14.8		
MW-303S	Apr-04	<0.1	<0.050	0.01	0.125	<0.002	<0.048	<0.001	142	<0.002	<0.010	21.3	<0.001	22.4	1.9	<0.0002	0.015	3.32	<0.001	<0.010	9.29	<0.001	<0.010	<0.020
MW-303S	Jun-05	0.713	<0.0025	0.013	0.149	<0.00040	0.0375	<0.0008	140	0.0025	0.0051	20.9	0.005	23.6	3.29	<0.00016	0.0048	3.4	<0.0039	0.002	8.71	<0.0039	0.0021	0.058
MW-303S	Sept-06	<0.200	<0.060	0.0096	<0.200	<0.005	<0.050	<0.005	140	<0.010	<0.050	21	<0.005	22	1.78	<0.0002	<0.040	<5	<0.010	<0.010	9.7	<0.010	<0.060	0.071
MW-303S	Dec-07	1.7	<0.01	0.031	<0.2	<0.01	<0.5	<0.01	180	<0.01	0.011	15	<0.01	26	1.8	<0.0002	0.017	4	<0.01	<0.01	8	<0.01	<0.01	0.27

TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	B (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Cu (mg/l)	Fe (mg/l)	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Se (mg/l)	Ag (mg/l)	Na (mg/l)	Tl (mg/l)	V (mg/l)	Zn (mg/l)
Chas. G. G.W. (bldg. 1)		0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
Santa Fe G.W. (bldg. 1)		0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
MW-304D	March-97	0.2	<0.06	<0.01	<0.2	<0.01	<1	140	<0.01	<0.02	6.1	<0.01	25	0.69	<0.0004	<0.01	4.8	<0.05	<0.01	29	<0.03		0.22
MW-304D	June-97					<0.01	<0.01	140			6.2	<0.01	31	0.77			4.4			30			
MW-304D	Sept-97					<0.01	<0.01	130			7	0.022	30	0.86			3.8			29			
MW-304D	Dec-97					<0.01	<0.01	140			6.3	<0.01	32	0.79			4.3			44			
MW-304D	Mar-98					<0.01	<0.01	120			5.8	<0.01	29	0.64			3.9			43			
MW-304D	June-98	0.15	<0.06	<0.01	0.21	<0.01	<1	130	<0.01	<0.02	7.1	<0.01	33	0.83	<0.0002	<0.01	5.2	<0.05	<0.01	42	<0.03	<0.03	0.054
MW-304D	Sept-98					<0.01	<0.01	120			6.8	<0.01	31	0.54			5			36			
MW-304D	Dec-98					<0.01	<0.01	82			7.7	<0.01	22	0.19			<1			44			
MW-304D	Apr-99					<0.01	<0.01	110			6.9	<0.01	27	0.69			3.3			28			
MW-304D	Jun-99					<0.01	<0.01	170			7.1	<0.01	40	1			4.9			46			
MW-304D	Sept-99					<0.01	<0.01	150			6.3	<0.01	36	0.63			5.3			47			
MW-304D	Dec-99	0.22	<0.01	<0.01	<2	<0.01	<5	130	<0.01	<0.01	7.2	<0.01	34	0.68	<0.0002	<0.01	4.6	<0.06	<0.01	40	<0.01	<0.01	0.018
MW-304D	Apr-00	<0.075	<0.050	0.022	0.213	<0.002	0.101	130	<0.010	<0.017	7.36	<0.001	31.4	0.7	<0.0002	<0.012	3.89	<0.002	<0.010	35.1	<0.001	<0.010	0.038
MW-304D	Jun-00					<0.0030	81.3				6.1	0.003	25.6	0.43			4.04			37.7			
MW-304D	Sept-00					<0.005	103				6.8	0.002	26.1	0.456			3.61			38.5			
MW-304D	Dec-00					<0.005	64.3				6.80	<0.001	19.6	0.041			2.51			40.3			
MW-304D	Mar-01					<0.005	143				9.35	<0.001	32.5	0.899			4.02			39.1			
MW-304D	Jun-01	0.082	<0.050	0.015	0.2	<0.002	0.075	119	<0.010	<0.017	7.6	0.01	29.7	0.668	0.0002	<0.012	4.32	<0.002	<0.010	32.1	<0.001	<0.010	<0.020
MW-304D	Sept-01					<0.005	94.8				5.75	0.002	25.4	0.563			3.53			38.9			
MW-304D	Dec-01					<0.005	70.6				6.89	0.001	19.6	0.129			3.11			39.3			
MW-304D	Mar-02					<0.005	67.9				7.8	0.002	17.8	0.138			2.72			38.1			
MW-304D	Jun-02					<0.005	88.2				6.39	0.003	23.2	0.303			2.97			34.3			
MW-304D	Sept-02	<0.075	<0.050	0.011	0.057	<0.002	0.068	60.6	<0.010	<0.017	7.66	0.002	18	0.065	<0.0002	0.013	3.02	<0.001	<0.010	37.3	<0.001	<0.010	<0.020
MW-304D	Dec-02					<0.001	58.9				6.07	<0.001	18.6	0.051			2.15			34.1			
MW-304D	Apr-04	<0.1	<0.050	0.008	0.055	<0.002	0.1	55.3	<0.002	<0.010	6.78	<0.001	15.5	0.072	<0.0002	<0.012	2.99	<0.001	<0.010	33	<0.001	<0.010	0.024
MW-304D	Jun-05	0.14	<0.0025	0.0209	0.0517	<0.00040	0.0521	58.3	0.0013	<0.0019	6.97	0.0021	17.1	0.0279	<0.00016	<0.0023	3.35	<0.0039	0.003	35.3	<0.0029	<0.002	0.0999
MW-304D	Sept-06	0.41	<0.060	<0.005	<0.200	<0.005	0.063	99	<0.010	<0.025	6.3	<0.005	24	0.19	<0.0002	<0.040	7.1	<0.010	<0.010	37	<0.010	<0.060	0.031
MW-304D	Dec-07	4	<0.01	0.051	0.21	<0.01	<0.5	130	<0.01	0.018	15	0.012	33	0.74	<0.0002	<0.01	6	0.35	<0.01	25	<0.01	<0.01	0.18

TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	B (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Se (mg/l)	Ag (mg/l)	Na (mg/l)	Ti (mg/l)	V (mg/l)	Zn (mg/l)
Chas. G. Carr Creek																									
MW-304S	March-97	21	<0.06	<0.01	0.12	<0.01	<1	<0.01	240	0.11		0.099	28	0.057	31	1.5	<0.0004	0.09	9.1	<0.05	<0.01	16	<0.03		0.33
MW-304S	June-97							<0.01	310				179	0.11	76	7.4			13			19			
MW-304S	Sept-97							<0.01	280				118	0.087	69	4.1			12			24			
MW-304S	Dec-97							<0.01	240				130	0.12	75	7.1			15			31			
MW-304S	Mar-98							<0.01	260				300	0.077	10	4.3			12			24			
MW-304S	June-98	20	<0.06	0.025	0.34	<0.01	<1	<0.01	220	0.11	0.1	0.11	59	0.047	25	3.1	<0.0002	0.068	8.1	<0.05	<0.01	22	<0.03	0.032	0.18
MW-304S	Sept-98							<0.01	360				200	0.14	145	6.1			23			32			
MW-304S	Dec-98							<0.01	350				224	0.12	100	11			3.9			51			
MW-304S	Apr-99							<0.01	370				200	0.16	140	11			14			31			
MW-304S	Jun-99							<0.01	370				140	<0.01	22	6.3			8.5			25			
MW-304S	Sept-99							<0.01	330				200	0.089	78	6.2			12			31			
MW-304S	Dec-99	51	<0.01	0.18	0.79	<0.01	<5	0.04	400	0.3	0.3	0.28	130	0.12	46	16	0.00031	0.2	9.6	<0.01	<0.01	23	<0.01	0.083	0.59
MW-304S	Apr-00	33.7	<0.050	0.008	0.519	<0.002	0.113	<0.0050	237	0.13	0.105	0.143	80.5	0.019	87.5	3.23	<0.0002	0.11	9.3	<0.002	<0.010	18.2	<0.001	0.055	0.233
MW-304S	Jun-00							<0.0050	204				15.3	0.007	40.3	3.99			3.2			18.9			
MW-304S	Sep-00							<0.005	209				47.2	0.009	46.3	2.59			6.74			18.3			
MW-304S	Dec-00							<0.005	198				15.7	0.003	38.5	3.9			3.23			17.3			
MW-304S	Mar-01							<0.005	176				14.5	<0.001	34.9	3.26			2.94			17.1			
MW-304S	Jun-01	0.78	<0.050	<0.002	0.442	<0.002	0.067	<0.005	187	0.012	<0.010	<0.017	17.3	0.003	37.3	3.4	<0.0002	0.015	3.37	<0.002	<0.010	17.3	<0.001	<0.010	<0.020
MW-304S	Sep-01							<0.005	188				17.2	0.004	37.3	3.6			3.38			17.6			
MW-304S	Dec-01							<0.005	195				17.3	<0.001	37.2	3.9			3.01			18.3			
MW-304S	Mar-02							<0.005	193				18.3	<0.001	38.4	3.58			2.68			16.9			
MW-304S	Jun-02							<0.005	178				14.5	0.001	38.6	3.1			3.14			18.7			
MW-304S	Sept-02	<0.015	<0.050	0.001	0.478	<0.002	0.076	<0.005	180	<0.010	<0.0100	<0.017	15.3	0.002	39.3	3.5	<0.0002	0.018	2.83	<0.001	<0.010	16.7	<0.001	<0.010	<0.020
MW-304S	Dec-02							<0.001	181				17.3	0.001	38	3.69			3.29			17.6			
MW-304S	Apr-04	<0.1	<0.050	0.001	0.372	<0.002	0.092	<0.001	153	<0.002	<0.010	<0.017	14.3	<0.001	29.7	3.96	<0.0002	0.015	3.21	<0.001	<0.010	16.5	<0.001	<0.010	<0.020
MW-304S	Jun-05	0.262	<0.0025	0.0043	0.459	<0.0040	0.0499	<0.0008	172	0.0032	0.0024	0.006	14.8	0.0046	33.9	3.97	<0.00016	<0.0023	4.28	<0.0039	0.0048	21.2	<0.0029	<0.002	0.109
MW-304S	Sept-06	<0.200	<0.060	<0.005	0.39	<0.005	<0.050	<0.005	150	<0.010	<0.050	<0.025	17	<0.005	30	3.1	<0.0002	<0.040	<5	<0.010	<0.010	13	<0.010	<0.050	<0.020
MW-304S	Dec-07	6.4	<0.01	0.02	0.44	<0.01	<0.5	<0.01	160	0.029	0.031	0.05	29	0.016	33	3.6	<0.0002	0.038	5	0.02	<0.01	15	<0.01	<0.01	0.084

TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	B (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Se (mg/l)	Ag (mg/l)	Na (mg/l)	Ti (mg/l)	V (mg/l)	Zn (mg/l)
MW-304VS	March-97	24	0.12	<0.01	0.24	<0.01	<1	<0.01	220	0.036		0.074	60	0.003	32	2.9	<0.0004	0.054	11	<0.05	<0.01	160	<0.03		0.24
MW-304VS	June-97							<0.01	370				140	0.15	160	8.4		22				140			
MW-304VS	Sept-97							<0.01	310				140	0.15	160	8.4		27				210			
MW-304VS	Dec-97							0.013	280				140	0.14	160	7		20				200			
MW-304VS	Mar-98							<0.01	170				110	0.091	160	6.1		16				190			
MW-304VS	June-98	51	<0.06	0.075	0.32	<0.01	<1	<0.01	150	0.053	0.059	0.2	32	0.009	31	3.4	<0.0002	0.12	17	<0.05	<0.01	190	<0.03	0.087	0.44
MW-304VS	Sept-98							0.013	210				140	0.11	160	8.4		5.2				140			
MW-304VS	Dec-98							<0.01	140				70	0.007	160	7.4		7.5				140			
MW-304VS	Apr-99							0.011	180				130	0.094	160	8.1		8.4				220			
MW-304VS	June-99							<0.01	140				70	0.021	160	5.3		11				200			
MW-304VS	Sept-99							<0.01	210	0.051	0.057	0.21	70	0.076	160	5.7	0.00037	0.11	9.4	<0.01	<0.01	220	<0.01	0.051	0.25
MW-304VS	Dec-99	36	<0.01	0.06	<2	<0.01	<5	<0.01	267	<0.010	0.015	0.015	140	0.007	14.3	3.00	<0.0002	0.041	4.75	<0.002	<0.010	180	<0.001	<0.010	0.053
MW-304VS	Apr-00	6.68	<0.050	<0.002	0.179	<0.002	<0.048	<0.0050	297				0.013	0.008	35.4	4.3		4.34				220			
MW-304VS	June-00							<0.0050	197				1.44	0.007	33.5	3.31		4.28				200			
MW-304VS	Sept-00							<0.005	166				4.35	0.004	29.3	3.1		2.9				190			
MW-304VS	Dec-00							<0.005	128				14.2	0.11	26.1	3.46		4.26				170			
MW-304VS	Mar-01	15.8	<0.050	0.006	0.168	<0.002	<0.048	<0.005	152	0.011	0.02	0.053	22.9	0.016	31.6	4.01	<0.0002	0.059	5.86	<0.002	<0.010	180	<0.001	0.025	0.092
MW-304VS	June-01							<0.005	196				61.3	0.045	50.9	2.53		8.63				220			
MW-304VS	Sept-01							<0.005	152				14.3	0.007	33.6	3.2		7.57				210			
MW-304VS	Dec-01							<0.005	141				10.0	0.007	27.5	3.3		3.19				190			
MW-304VS	Mar-02							<0.005	101				14.4	0.005	18.4	3.40		3.28				190			
MW-304VS	June-02							<0.005	113	0.016	0.01	0.043	61.9	0.012	21.5	1.90	<0.0002	0.037	4.29	<0.001	<0.010	180	<0.001	0.013	0.06
MW-304VS	Sept-02	7.82	<0.050	0.003	0.125	<0.002	0.07	<0.005	133				22.9	0.013	32.7	4.05		5.93				190			
MW-304VS	Dec-02	<0.1	<0.050	<0.001	0.647	<0.002	<0.048	<0.001	78.1	<0.002	<0.010	<0.017	0.086	<0.001	10.6	0.147	<0.0002	<0.012	2.42	<0.001	<0.010	160	<0.001	<0.010	<0.020
MW-304VS	Apr-04							<0.005	160	0.015	<0.050	0.065	140	0.01	24	5	<0.0002	<0.040	9.6	<0.010	<0.010	180	<0.010	<0.050	0.11
MW-304VS	June-05							<0.005	200	<0.01	<0.01	0.026	6.9	<0.01	27	6.9	<0.0002	0.016	5.5	0.45	<0.01	250	<0.01	<0.01	0.04
MW-304VS	Sept-06	10	<0.060	0.0076	<0.200	<0.005	<0.050	<0.005	160	0.015	<0.050	0.065	140	0.01	24	5	<0.0002	<0.040	9.6	<0.010	<0.010	180	<0.010	<0.050	0.11
MW-304VS	Dec-07	3.9	<0.01	<0.01	<0.2	<0.01	<0.5	<0.01	200	<0.01	<0.01	0.026	6.9	<0.01	27	6.9	<0.0002	0.016	5.5	0.45	<0.01	250	<0.01	<0.01	0.04

Monitoring Well	Sample Date	Temp (C)	ALK (mg/l)	COD (mg/l)	Cl ⁻ (mg/l)	Cond umhos/cm	Hard (mg/l)	TOC (mg/l)	pH (field)	Phenols (mg/l)	Eh (mV)	SO4= (mg/l)	Turb (NTU)	TDS (mg/l)	NH3 (mg/l)	NO3- (mg/l)	BOD5 (mg/l)	Color (units)	CN _T (mg/l)	Cr+6 (mg/l)	TKN (mg/l)	Br ⁻ (mg/l)
MW-230D	Nov-89	13.5	113	<10.0	<3.0	136	79.6	9.22	8.01	<0.005		<10.0	34	135	0.12	<0.10	17	<5	<0.005	<0.01		
MW-230D	Feb-90		123		4.6	120	120	34.1	<0.005			13.5	4.4	174	0.07		4	10			0.5	
MW-230D	Apr-90	11.1	124		<3.0	226	90	34.1	<0.005			14.1	4.2	184	<0.04		60	5			0.25	
MW-230D	Nov-90	11	130	18	4.9	190	130	9.1	7.4	<0.010	109.1	16	37	156	0.08	<0.1	5.8	5	<0.004	0.034	<0.5	
MW-230D	Feb-91	11	126	<0.5	5	230	98	8.6	8.38	<0.010	91	13.2	13	184	0.13	<0.04						
MW-230D	May-91	11	124	<1.0	1.1	180	94	<3	8	<0.010	293.8	13	3	155	0.07	<0.04						
MW-230D	Aug-91	10	122	3.2	2.1	300	96	4.4	8.46	<0.010	195.5	13.9	7.1	157	<0.03	<0.04						
MW-230D	Nov-91	10	134	<1	3	290	80.7	<1	7.87	<0.010	261	13	10	170	0.09	<0.04						
MW-230D	Feb-92	11	126	14.7	5.9	280	89.4	3	8.05	<0.010	258.3	12.8	9.5	160	0.31	0.03	1.2	<5	<0.010	<0.004	<0.5	
MW-230D	May-92	12	122	2.8	2.5	272	83.8	<1	7.86	<0.010	274.1	17.8	3.2	172	1.79	<0.02						
MW-230D	Aug-92	12	124	<1.0	4.5	258	76.5	<1	7.95	<0.010	281.2	55.1	6.7	176	<0.04	<0.02	1.2					
MW-230D	Dec-92	10.5	138	1	1.5	290	72.1	<1	7.9	<0.010	244.2	43.8	1.5	160	<0.02	<0.02	1.2					
MW-230D	Feb-93	9.5	132	<1.0	2.5	315	65.3	7	7.89	<0.010	125.2	14.5	13.5	180	0.18	0.07	1.2					
MW-230D	May-93	14	126	<1.0	1.5	226	78.2	4	7.86	<0.010	227.5	48	12.5	152	0.11	<0.02	0.6	<5	<0.004	<0.004	<0.5	
MW-230D	Aug-93	14	128	<1.0	3	247	74.9	<1.0	7.28	<0.010	133.7	72.5	6	148	0.06	<0.02						
MW-230D	Dec-93	10	120	4.9	2	262	86.2	2	7.24	<0.010	99.2	47.6	16	140	0.12	0.05	<2.0				<0.5	0.89
MW-230D	Nov-94	11.5	129	<5.0	3	254	70.2	2	8.22	<0.010	58.3	30.6	5.3	160	<0.02	0.11	<2.0				<0.5	0.73
MW-230D	March-95	11	123	<5.0	2	248	80.8	5	7.48	<0.010	59.1	16.7	5.2	164	0.24	0.26	<2				<0.5	0.3
MW-230D	June-95	12	125	<5.0	3	252	86	18	7.56	<0.010	35.6	21	4.9	176	0.27	0.27	125				<0.5	<0.2
MW-230D	Sept-95	11.5	125	<5.0	1.5	239	82.6	<1	7.53	<0.010	30.2	16.8	3.8	188	0.07	<0.05	<2				<0.5	<0.2
MW-230D	Nov-95	10	128	8.2	<1	239	67.3	<1	7.92	<0.010	10.9	21.7	7.6	176	0.04	<0.05	<2				<0.5	<0.2
MW-230D	April-96	10.1	140	28	9.5	340	160	16	8.4	<0.002	165	16	37	170	<0.03	0.024	<4	10	<0.01	<0.01	0.54	2.1
MW-230D	June-96	10.9	150	14	<1	272	100	<1	7.7	0.002	150	12	57	170	0.035	<0.02	<4				2.1	<2
MW-230D	Sept-96	12.9	130	2.8	<1	270	89	<1	8	0.002	160	11	50	150	<0.03	0.034	<4				0.32	<2
MW-230D	Nov-96	11.2	130	48	1.9	252	89	<1	7.86	<0.002	175	39	98	180	0.04	<0.02	<4				0.58	<2
MW-230D	March-97	10	130	19	2.7	276	92	1	8.1	<0.002	90	37	432	230	0.037	<0.02	<4				0.33	<2
MW-230D	June-97	12.3	150	13	3.9	255	83	<1	7.83	<0.002	255	38	<1	140	<0.03	<0.02	<4				0.57	3.8
MW-230D	Sept-97	12	140	<1	4.6	260	86	1	8.4	<0.002	130	11	15	180	<0.03	0.035	<4				0.24	<2
MW-230D	Dec-97	10.5	170	<1	2.7	281	88	<1	8.04	<0.002	130	6.3	42	220	<0.03	0.049	14				0.32	<2
MW-230D	Mar-98	9.3	170	1	2.8	272	82	<1	8.32	<0.002	210	27	32	190	<0.03	0.042	<4				0.16	<2
MW-230D	June-98	13.5	110	<3	1.6	260	110	1.1	7.73	<0.002	15	12	154	180	0.04	0.028	4.5	10	<0.01	<0.01	0.26	<1
MW-230D	Sept-98	12.7	150	47	3.2	269	110	1.1	8.01	0.003	525	14	353	210	<0.03	<0.02	<4				0.37	<1
MW-230D	Dec-98	10.1	130	<1	<1	263	91	<1	7.45	<0.002	5	12	260	140	<0.03	<0.02	<4				0.13	<1
MW-230D	Dec-99	11.2	130	7.8	3.8	278	100	<1	8.07	<0.002	210	13	125	190	<0.03	0.054	<4				0.23	<0.1
MW-230D	Apr-00	9.1	133	<10	2.83	275	89.9	<1	8.11	0.006	91	19	19	136	0.114	<0.05	<3				<1	<1
MW-230D	Jun-01	12.9	122	<10	2.6	284	88.9	<1	8.16	<0.004	42	14.4	1.1	136	<0.1	<0.1	<3				<1	<1
MW-230D	Sept-02	11.8	125	<10	2.53	277	86.9	<1	7.81	<0.004	165.3	13.6	2.3	187	<0.1	<0.1	<3				<1	<1
MW-230D	Apr-04	11.6	124	<10	2.39	230	82.4	<1.0	8.12	<0.004	104	12.7	17.1	143	0.366	<0.1	<3				<1	<1
MW-230D	Jun-05	16	129	<10.0	<5.0	642	86.8	1.1	8.02	<0.010	82	11.5	14	164	1.4	<0.200	<4.00	15	<0.0100	<0.010	<1.00	<1.00
MW-230D	Sept-06	15.4	110	26	590	1064	450	2	8.7	0.006	230	130	15	130	1	<0.25	<4.0	190	<0.010	<0.010	1.3	3.5
MW-230D	Dec-07	10.3	120	11	6.8	236	85	1.7	7.41	<0.003	295	5.5	0	190	<0.03	0.36	<4.0	10	<0.01	<0.01	0.23	<0.1

TABLE 13 - HISTORICAL GROUNDWATER ANALYTICAL DATA - WATER QUALITY PARAMETERS

Monitoring Well	Sample Date	Temp (C)	ALK (mg/l)	COD (mg/l)	Cl- (mg/l)	Cond umhos/cm	Hard (mg/l)	TOC (mg/l)	pH (field)	Phenols (mg/l)	EH (mV)	SO4= (mg/l)	Turb (NTU)	TDS (mg/l)	NH3 (mg/l)	NO3- (mg/l)	BOD5 (mg/l)	Color (units)	CN- (mg/l)	Cr+6 (mg/l)	TKN (mg/l)	Br- (mg/l)
MW-232D	Nov-89	13	37.2	<10.0	210	747.5	100	1.77	8.3	<0.004	172.9	89	16	322	0.12	<0.01	4	<5	<0.005	<0.01		
MW-232D	Feb-90		52.3		250		126	0.86		<0.005		87.4	14.5	325	0.08		21	5			40	
MW-232D	Apr-90	12.2	41.2		202	836	82	3.28		<0.005	-126.1	88.2	1.9	1400	<0.04		10	5			0.21	
MW-232D	Nov-90	11	56	17	225	630	130	4.9	8.3	<0.010	243.8	79	22	611	0.13	<0.1	6.3	<5	<0.004	0.024	<0.5	
MW-232D	Feb-91		54	11.7	202.1	480	124	5.1	8.72	<0.010	172.9	70	11.4	305	0.38	0.09						
MW-232D	May-91	12	52	<0.5	218.8	1500	136	4	8.44	<0.010	214.2	75.6	6.7	518	0.08	<0.04						
MW-232D	Aug-91	10	84	3.8	225	1380	132	<1	8.32	<0.010	122.3	79	10	308	0.04	<0.04						
MW-232D	Nov-91	10	60	25.8	226	1056	140	<1.0	8.48	<0.010	102.1	90	8.5	348	0.07	<0.02	1.8	<5	<0.010	<0.004	<0.5	
MW-232D	Feb-92	12	76	21	240	1102	370	<1.0	8.55	<0.010	128.4	94	3.4	543	0.1	0.26						
MW-232D	May-92	13	136	58.5	154	1179	186	16	7.74	<0.010	163.6	78.8	22.5	263	<0.04	<0.02						
MW-232D	Aug-92	11	122	16.9	225	1508	210	<1.0	7.38	<0.010	-0.6	81.5	20	509	<0.02	0.1						
MW-232D	Dec-92	10	78	7.2	202	1041	116	6	7.76	<0.010	149.3	81	3	308	0.06	0.02						
MW-232D	Feb-93	12	80	12.8	262	756	152	4	7.47	<0.010	36.6	102	4	576	0.07	<0.02	1.6	<5	<0.004	<0.004	<0.5	
MW-232D	May-93	14	88	18.4	284	1189	169	<1.0	7.22	<0.010	-108.9	125	4.2	640	<0.02	<0.02						
MW-232D	Aug-93	9.5	86	59.4	262	994	187	4	7.24	<0.010	125.7	112	5.8	400	0.11	0.08						
MW-232D	Dec-93	9.5	92	1	256	1272	163	6	6.98	<0.010	268	91.5	5.7	316	<0.02	<0.05	<2.0				<0.5	
MW-232D	Feb-94	12	84	45.2	250	804	148	8	7.99	<0.010	111	79.5	1.6	304	0.04	0.04	<2.0				<0.5	
MW-232D	May-94	12.5	90	60	250	1579	295	1	7.46	<0.010	75.6	97.9	5.7	624	0.06	0.74	2.2	10	<0.004	0.01	<0.5	
MW-232D	Aug-94	11.5	117	14.3	235	803	147	<1	8.08	<0.010	124.5	86.8	8	837	0.06	0.36	<2.0				<0.5	
MW-232D	Nov-94	13	178	85	44	635	161	61	7.14	0.013	-53.3	44.2	6.8	332	1.59	0.4	8				3.37	<0.2
MW-232D	March-95	13	101	32.6	195	623	60	9	7.28	<0.010	20.6	78.4	6.2	330	1.06	0.24	<2				0.71	1.6
MW-232D	June-95	12.5	119	33.3	224	594	176	9	7.12	<0.010	3.1	85.7	9.5	646	0.36	0.08	<2				<0.5	
MW-232D	Sept-95	10.5	120	16.3	252	584	158	<1	7.35	0.023	4	84.2	9.2	868	0.22	<0.05	<2				<0.5	
MW-232D	Nov-95	13.4	190	42	23	362	150	19	7.65	0.004	120	16	<1	210	<0.03	0.24	<4				1.8	<2
MW-232D	June-97	11.9	150	58	4.3	311	140	19	7.43	<0.002	180	17	68	230	0.27	1.2	4				2.1	<1
MW-232D	Sept-98	10.4	150	35	50	505	170	11	7.47	<0.002	100	58	100	340	0.97	0.17	<4				1.1	<1
MW-232D	Dec-98	8.8	474	<10	1.16	1031	570	4.3	7.35	<0.004	63	170	1.8	711	<0.1	5.22	<3				<1	<1

TABLE 13 - HISTORICAL GROUNDWATER ANALYTICAL DATA - WATER QUALITY PARAMETERS

Monitoring Well	Sample Date	Temp (C)	ALK (mg/l)	COD (mg/l)	Cl- (mg/l)	Cond umhos/cm	Hard (mg/l)	TOC (mg/l)	pH (field) (S.U.)	Phenols (mg/l)	Eh (mV)	SO4= (mg/l)	Turb (NTU)	TDS (mg/l)	NH3 (mg/l)	NO3- (mg/l)	BOD5 (mg/l)	Color (units)	CN- (mg/l)	Cr+6 (mg/l)	TKN (mg/l)	Br- (mg/l)
MW-2355	Dec-00	8.4	578	19.2	25.5	1142	637	<1	7.39	<0.004	-39	61	11	775	<0.1	<0.05	<3				<1	<1
MW-2355	Mar-01	10.9	570	<10	<1	1144	571	7.1	7.31	<0.004	-94	54	1.6	645	<0.1	0.09	<3				1.23	<1
MW-2355	Jun-01	13.9	555	<10	31.2	1158	600	11	7.14	<0.004	-116	68	4.2	645	<0.1	<0.1	<3	250	<0.01		<1	<1
MW-2355	Sep-01	13.1	553	13.8	27.3	1181	621	5.9	7.2	<0.004	-117	59.1	3.46	705	0.114	<0.1	<3				<1	<1
MW-2355	Dec-01	10.8	619	25.6	21.7	1200	629	5.6	7.07	<0.004	-109	48.9	33.8	695	<0.1	<0.1	<3				1.46	<1
MW-2355	Mar-02	10.5	646	14.2	17.9	1213	699	6.7	7.11	<0.004	-60	40.2	1.82	715	<0.1	<0.1	<3				<1	<1
MW-2355	Jun-02	12.3	679	<10	16.6	1264	358	7.1	7.26	<0.004	-89	38.1	2.7	715	<0.1	<0.1	<3				<1	<1
MW-2355	Sept-02	12.1	678	12.9	17.6	1233	674	4.4	7.25	<0.004	-28.5	40.2	1.3	775	0.242	<0.1	<3	25	<0.005	<0.01	<1	<1
MW-2355	Dec-02	8.5	671	<10	16.6	1357	693	4.7	7.25	<0.004	-11	32.5	2.4	775	<0.1	<0.1	<3	15	<0.005	<0.01	<1	<1
MW-2355	Apr-04	11.7	627	16	20.2	1228	628	6.8	7.72	<0.004	98	25.7	9.4	745	0.433	<0.1	<3				<1	<1
MW-235D	Dec-00	8.6	183	<10	17.1	539	201	<1	7.72	<0.004	8	79	4.1	326	0.134	<0.05	<3				<1	<1
MW-235D	Mar-01	10.6	188	<10	18	539	187	2.5	7.62	<0.004	-90	75	2.9	286	<0.01	0.121	3				<1	<1
MW-235D	Jun-01	14.9	185	<10	19.8	567	197	4.2	7.71	<0.004	-27	79.2	3.1	320	<0.1	<0.1	<3	5	<0.01		<1	<1
MW-235D	Sep-01	14.7	214	13	17	574	201	2.1	7.79	<0.004	99	75.2	2.71	328	<0.1	0.187	<3				<1	<1
MW-235D	Dec-01	11	197	<10	17.3	562	216	1.3	7.45	<0.004	-82	68.3	8.1	316	0.242	<0.1	<3				<1	<1
MW-235D	Mar-02	10.5	197	<10	16.8	474	210	1.6	7.64	<0.004	37	70.4	4.94	323	<0.1	0.262	<3				<1	<1
MW-235D	Jun-02	12.6	217	<10	18.4	1292	195	2.2	6.86	<0.004	-98	58.3	4.5	341	<0.1	<0.1	<3				2.05	<1
MW-235D	Sept-02	12.5	237	<10	19.9	546	187	2.2	7.9	0.005	-3.3	38.6	8.9	334	0.34	<0.1	4	15	<0.005	<0.01	5.76	<1
MW-235D	Dec-02	9.5	205	<10	20.1	541	193	1.3	7.85	<0.004	-88.5	60.2	6.4	335	2.53	<0.1	3				2.31	<1
MW-235D	Apr-04	11.4	320	128	9.27	616	248	42	7.58	0.215	-76	<5.0	6.8	373	18.3	<0.1	>20E	<5	<0.005	<0.01	18.9	<1

Monitoring Well	Sample Date	Temp (C)	ALK (mg/l)	COD (mg/l)	Cl- (mg/l)	Cond umhos/cm	Hurt (mg/l)	TOC (mg/l)	pH (field) (S.L.)	Phenols (mg/l)	Et (mV)	SO4= (mg/l)	Turb (NTU)	TDS (mg/l)	NH3 (mg/l)	NO3- (mg/l)	BOD5 (mg/l)	Color (units)	CN- (mg/l)	Cr+6 (mg/l)	TKN (mg/l)	Br- (mg/l)
MW-236S	Nov-89	10.9	156	<10.0	13.8	355	212	2.22	6.4-6.5	0.005	-53.3	48.2	35	287	0.11	<0.10	10	<5	<0.005	0.03		
MW-236S	Feb-90		169		16.4		234	1.12		<0.005		63.4	3.08	252	0.19		5	10			78	
MW-236S	Apr-90	12.4	168		14.3	487	200	11.5		<0.005	-32.4	63.9	19	334	<0.04		44	5			0.19	
MW-236S	Nov-90	10	180	49	17.1	360	255	15	7.1	<0.010	105.2	68	625	314	0.05	<0.1	9.2	5	<0.004	0.033	<0.5	
MW-236S	Feb-91	9	172	4.3	15.9	520	240	14	7.45	<0.010	64.5	65	145	353	0.12	<0.04						
MW-236S	May-91	11	168	2.2	12.8	360	236	<3	7.27	<0.010	229.8	60	109	313	0.03	<0.04						
MW-236S	Aug-91	11	170	6.7	14.6	530	232	12	6.98	<0.010	169.7	64.8	74	347	0.05	<0.04						
MW-236S	Nov-91	11	170	5.8	12	482	210	<1	7.68	<0.010	366.9	58	17	307	0.03	<0.04						
MW-236S	Feb-92	10	204	10.6	15.8	487	216	3	7.67	<0.010	328.9	51	42	272	0.06	<0.02	<0.5	<5	<0.010	<0.004	<0.5	
MW-236S	May-92	12	200	6.4	14	469	213	<1.0	7.54	<0.010	331.3	63	84	336	<0.04	0.1						
MW-236S	Aug-92	12	168	1	16.5	448	190	<1	7.49	<0.010	359.5	72.8	60	372	<0.04	<0.02						
MW-236S	Dec-92	10	192	8.9	13	582	185	<1	7.69	<0.010	291.1	69.3	59	300	<0.02	<0.02						
MW-236S	Feb-93	10	202	7	16	481	166	13	7.35	<0.010	258.2	54	355	384	<0.02	<0.02						
MW-236S	May-93	12.5	172	<1.0	22	350	201	5	6.86	<0.010	306.4	75.1	86	292	<0.02	<0.02	1	<5	0.005	<0.004	<0.5	
MW-236S	Aug-93	14.5	174	2.92	19	356	205	<1.0	6.86	<0.010	154.2	61.6	110	312	<0.02	<0.02						
MW-236S	Dec-93	10	210	3.9	17	498	222	1	7.04	0.007	170.4	117	410	316	0.06	0.07	<2.0				<0.5	0.8
MW-236S	Feb-94	10.5	222	8.9	17	670	256	<1.0	7.18	<0.010	260.6	76.1	425	316	<0.02	<0.05	3	<5	<0.004	<0.004	<0.5	0.79
MW-236S	May-94	11.5	212	12.9	30	473	252	17	7.16	0.003	150.2	77.6	70	400	<0.02	0.08	<2.0				<0.5	2
MW-236S	Aug-94	12.5	176	9.5	20.5	499	242	<1	7.12	<0.010	61.1	71.2	34.5	348	0.03	0.13	<2.0				<0.5	2.05
MW-236S	Nov-94	11.5	242	14.3	32	465	288	4	7.08	<0.010	108.4	83.2	45	472	0.02	0.26	<2.0				<0.5	<0.2
MW-236S	March-95	10	327	10	43	512	406	15	6.48	<0.010	58.8	120	63	450	0.72	0.42	<2				<0.5	<0.2
MW-236S	June-95	13.5	258	<5.0	40	448	289	9	7.04	<0.010	1.6	79	120	468	0.34	0.3	6				<0.5	<0.2
MW-236S	Sept-95	11	155	12.5	21	330	191	<1	6.87	<0.010	100.1	48.5	240	328	0.11	0.13	<2				<0.5	<0.2
MW-236S	Nov-95	10	204	12.2	27	374	258	<1	7.56	<0.010	94.7	86.4	130	392	<0.02	0.08	<2				<0.5	<0.2
MW-236S	April-96	9.8	260	41	41	770	450	2.5	7.9	<0.002	210	110	>900	390	<0.03	0.13	6.6	150	<0.01	<0.01	0.86	3
MW-236S	June-96	10.6	220	44	23	5400	210	11	7.4	<0.002	220	45	360	190	0.14	0.052	<4				3.7	<2
MW-236S	Sept-96	13.4	240	28	19	560	260	11	7.7	<0.002	310	520	28	360	0.038	0.059	<4				0.35	<2
MW-236S	Nov-96	10.1	230	<1	32	712	260	1.8	6.61	<0.002	125	83	54	370	<0.03	0.04	<4				0.39	<2
MW-236S	March-97	9.8	170	17	36	910	370	1.8	6.7	<0.002	135	66	637	380	<0.03	0.053	<4	10	<0.01	<0.01	0.81	<2
MW-236S	June-97	12.1	250	30	32	577	440	1.5	6.78	0.0028	285	73	979	430	0.073	0.075	<4				0.17	<2
MW-236S	Sept-97	12	250	2.8	34	630	330	2.8	7.7	<0.002	195	72	130	450	0.073	0.14	<4				0.37	<2
MW-236S	Dec-97	11.1	230	31	27	820	350	3.1	6.12	<0.002	275	88	845	450	<0.03	0.07	<4				0.39	<2
MW-236S	Mar-98	9.4	280	1	39	813	440	1.9	6.73	<0.002	325	94	731	470	0.076	0.061	<4				0.39	<2
MW-236S	June-98	15.2	280	<3	34	670	370	2.1	6.69	<0.002	-65	66	356	420	0.047	0.06	<4	15	<0.01	<0.01	0.51	<1
MW-236S	Sept-98	11.8	200	72	23	484	280	1.8	7.5	<0.002	150	74	>999	340	<0.03	0.026	<4				0.4	<1
MW-236S	Dec-98	10.5	200	44	28	460	290	1.6	7.38	<0.002	90	75	684	270	<0.03	0.11	<4				0.18	<1

TABLE 13 - HISTORICAL GROUNDWATER ANALYTICAL DATA - WATER QUALITY PARAMETERS

Monitoring Well	Sample Date	Temp (C)	ALK (mg/l)	COD (mg/l)	Cl ⁻ (mg/l)	Cond umhos/cm	Hard (mg/l)	TOC (mg/l)	pH (field)	Phenols (mg/l)	Ex (mV)	SO ₄ (mg/l)	Turb (NTU)	TDS (mg/l)	NH ₃ (mg/l)	NO ₃ (mg/l)	BOB ₅ (mg/l)	Color (units)	CN ⁻ (mg/l)	Cr + 6 (mg/l)	TKN (mg/l)	Br ⁻ (mg/l)
MW-236D	Nov-89	11.8	121	<0.01	77.5	363	167	0.84	<0.01	<0.01	-71.15	10.1	135	266	0.07	<0.10	21	5	<0.005	<0.01		
MW-236D	Feb-90	11.3	113		75.6		167	1.28	<0.005	<0.005		10.0	14.3	260	0.37		47	10			35	
MW-236D	Apr-90	11.9	106		81	419	172	19.2	<0.005	<0.005		10.6	12	281	<0.04		92	15	<0.004	0.026	<0.5	
MW-236D	Nov-90	10	119	8.8	76.8	340	185	7.2	7.35	<0.05	-66.8	13	55	298	<0.1	<0.1	2.9	<5				
MW-236D	Feb-91	10	116	<0.5	81.4	1000	190	9	8.11	<0.010	22.8	13.5	40	369	0.14	<0.04						
MW-236D	May-91	11	110	24	82.9	360	186	8	7.33	<0.010	22.8	13.5	61	331	0.05	<0.04						
MW-236D	Aug-91	12	108	9.8	82.3	550	182	4.6	7.28	<0.010	280.7	13.4	13	387	<0.03	<0.04						
MW-236D	Nov-91	10	108	2.9	78	530	160	<1	7.8	<0.010	392	11.4	5	306	0.03	<0.04						
MW-236D	Feb-92	11	126	15.8	80.2	525	198	2	7.59	<0.010	263.1	11.6	3.4	252	0.07	<0.02	<0.5	<5	<0.010	<0.004	<0.5	
MW-236D	May-92	13	116	1.8	70	494	163	<1.0	7.67	<0.010	269.2	19.2	1.5	352	0.05	0.08						
MW-236D	Aug-92	13	114	3	83	459	142	<1	7.63	<0.010	296.7	18.8	14.5	216	<0.04	0.02						
MW-236D	Dec-92	11	132	11.9	70	619	144	<1	7.79	<0.010	221.1	13.5	1.6	296	0.02	<0.02						
MW-236D	Feb-93	11	114	<1.0	75	494	125	7	7.46	<0.010	221.1	13.5	1.6	296	0.02	0.04						
MW-236D	May-93	13	116	<1.0	75	346	140	4	7.49	<0.010	268.5	49.3	1.4	240	<0.02	<0.02	1	<5	0.004	<0.004	<0.5	
MW-236D	Aug-93	14	114	1.94	74	365	159	<1.0	7.24	<0.010	7	44.3	1.1	284	<0.02	<0.02						
MW-236D	Dec-93	11	116	3.9	77	447	166	<1.0	7.2	<0.010	142.8	78	1.3	292	0.06	<0.05						
MW-236D	Feb-94	10	112	<1.0	75	502	109	<1.0	7.45	<0.010	232.5	38.2	3	256	<0.02	<0.05	<2.0				<0.5	0.94
MW-236D	May-94	11	120	4.3	75	376	144	14	7.75	<0.010	156.9	31	1.9	288	0.07	0.04	2.2				<0.5	0.93
MW-236D	Aug-94	12.5	112	14.3	73	475	164	<1.0	7.34	<0.010	128	17.9	3	260	0.04	0.16	<2.0	5	<0.004	<0.004	<0.5	2.34
MW-236D	Nov-94	11	145	19	75	411	134	<1	7.52	<0.010	154.7	14.4	3.7	316	<0.02	0.13	<2.0				<0.5	2.35
MW-236D	March-95	11	131	<5.0	76	371	154	4	6.79	<0.010	49.9	33.9	4.7	288	0.34	0.25	<2				<0.5	0.7
MW-236D	June-95	14	121	<5.0	72	391	160	<1	7.03	<0.010	-17.7	15.8	2.6	296	0.29	0.12	<2				<0.5	0.5
MW-236D	Sept-95	12	123	<5.0	71	339	158	18	6.97	<0.010	93.8	10.2	3.3	292	0.09	<0.05	<2				<0.5	0.7
MW-236D	Nov-95	10.5	112	<5.0	73	345	147	<1	7.69	<0.010	23.5	26.7	4.2	288	<0.02	<0.05	<2				<0.5	1.2
MW-236D	April-96	11.3	120	<1	69	450	230	<1	7.2	<0.002	30	14	230	260	<0.03	0.023	<4	10	<0.01	<0.01	0.41	2.3
MW-236D	June-96	11.2	150	1	62	439	200	<1	7.7	<0.002	230	10	10	280	<0.03	<0.02	<4				6	<2
MW-236D	Sept-96	10.9	95	18	57	500	160	<1	7.3	<0.002	387	12	12	260	<0.03	<0.02	<4				0.51	<2
MW-236D	Nov-96	9.9	120	<1	60	467	140	1.2	6.93	<0.002	190	13	9.4	230	<0.03	<0.02	<4				0.54	<2
MW-236D	March-97	9.6	290	4.3	64	557	140	<1	7.15	<0.002	135	30	280	270	<0.03	<0.02	<4	10	<0.01	<0.01	0.48	<2
MW-236D	June-97	13.1	140	6.6	66	443	160	<1	7.15	<0.002	215	10	<1	290	<0.03	<0.02	<4				0.42	<2
MW-236D	Sept-97	12.2	120	7	61	430	150	1.1	8	<0.002	155	33	3.2	300	<0.03	0.034	<4				0.3	<2
MW-236D	Dec-97	11.3	150	16	54	509	150	1.4	7.56	<0.002	250	30	5	300	0.03	0.026	<4				0.27	<2
MW-236D	Mar-98	8.1	160	<1	60	540	160	<1	6.5	<0.002	550	33	9	250	<0.03	<0.02	<4				0.26	<2
MW-236D	June-98	16.5	360	<3	64	430	150	<1	6.93	<0.002	-35	11	12	250	0.053	0.043	7.8	1	<0.01	<0.01	0.24	<1
MW-236D	Sept-98	11.9	140	6.4	68	437	150	1.1	7.47	<0.002	270	13	27	280	<0.03	<0.02	<4				0.43	<1
MW-236D	Dec-98	10.4	120	<1	80	432	160	<1	7.41	<0.002	50	15	66	240	<0.03	0.05	<4				0.045	<1

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TABLE 14 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	d-Al (mg/l)	d-Sb (mg/l)	d-As (mg/l)	d-Ba (mg/l)	d-Bi (mg/l)	d-B (mg/l)	d-Cl (mg/l)	d-Cr (mg/l)	d-Cu (mg/l)	d-Fe (mg/l)	d-Mg (mg/l)	d-Mn (mg/l)	d-Hg (mg/l)	d-Ni (mg/l)	d-K (mg/l)	d-Se (mg/l)	d-Ag (mg/l)	d-Pb (mg/l)	d-Zn (mg/l)	d-V (mg/l)	d-Tl (mg/l)
MW-233D	Nov-89																					
MW-233D	Feb-90																					
MW-233D	Apr-90																					
MW-233D	Nov-90																					
MW-233D	Feb-91																					
MW-233D	May-91																					
MW-233D	Aug-91																					
MW-233D	Nov-91																					
MW-233D	Feb-92																					
MW-233D	May-92																					
MW-233D	Aug-92																					
MW-233D	Dec-92																					
MW-233D	Feb-93																					
MW-233D	May-93																					
MW-233D	Aug-93																					
MW-233D	Dec-93																					
MW-233D	Feb-94																					
MW-233D	May-94																					
MW-233D	Aug-94																					
MW-233D	Nov-94																					
MW-233D	March-95																					
MW-233D	June-95																					
MW-233D	Sept-95																					
MW-233D	Nov-95																					
MW-233D	April-96																					
MW-233D	June-96																					
MW-233D	Sept-96																					
MW-233D	Nov-96																					
MW-233D	Mar-97																					
MW-233D	June-97																					
MW-233D	Sept-97																					
MW-233D	Dec-97																					
MW-233D	Mar-98																					
MW-233D	Sept-98																					
MW-233D	Dec-98																					
		<0.01	33									13	0.23			4.7						0.017
		<0.01	38								0.27	12	0.11			6.8						<0.01

TABLE 14 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

[illegible]

TABLE 14 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	d-Al (mg/l)	d-Sb (mg/l)	d-As (mg/l)	d-Ba (mg/l)	d-Br (mg/l)	d-B (mg/l)	d-Cl (mg/l)	d-Cd (mg/l)	d-Cr (mg/l)	d-Cu (mg/l)	d-Fe (mg/l)	d-Hg (mg/l)	d-Mn (mg/l)	d-Ni (mg/l)	d-K (mg/l)	d-Se (mg/l)	d-Ag (mg/l)	d-Na (mg/l)	d-Ti (mg/l)	d-V (mg/l)	d-Zn (mg/l)	d-Pb (mg/l)
Champlain Valley	Nov-89	0.13	<0.06	<0.01	<0.2	<0.01	<1	<0.01	<0.01	<0.01	<0.02	0.2	<0.0002	0.1	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
NW-2345	Nov-89	0.13	<0.06	<0.01	<0.2	<0.01	<1	<0.01	<0.01	<0.01	<0.02	0.2	<0.0002	0.1	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
NW-2345	Feb-90																						
NW-2345	Apr-90																						
NW-2345	Nov-90																						
NW-2345	Feb-91																						
NW-2345	May-91																						
NW-2345	Aug-91																						
NW-2345	Nov-91																						
NW-2345	Feb-92																						
NW-2345	May-92																						
NW-2345	Aug-92																						
NW-2345	Dec-92																						
NW-2345	Feb-93																						
NW-2345	May-93																						
NW-2345	Aug-93																						
NW-2345	Dec-93																						
NW-2345	Feb-94																						
NW-2345	May-94																						
NW-2345	Aug-94																						
NW-2345	Nov-94																						
NW-2345	March-95																						
NW-2345	June-95																						
NW-2345	Sept-95																						
NW-2345	Nov-95																						
NW-2345	April-96																						
NW-2345	June-96																						
NW-2345	Sept-96																						
NW-2345	Nov-96																						
NW-2345	Mar-97																						
NW-2345	June-97																						
NW-2345	Sept-97																						
NW-2345	Dec-97																						
NW-2345	Mar-98																						
NW-2345	June-98																						
NW-2345	Sept-98																						
NW-2345	Dec-98																						
NW-2345	Apr-99																						
NW-2345	Jan-99																						
NW-2345	Sept-99																						
NW-2345	Dec-99																						
NW-2345	Apr-00																						
NW-2345	Jan-00																						
NW-2345	Sept-00																						
NW-2345	Dec-00																						
NW-2345	Mar-01																						
NW-2345	June-01																						
NW-2345	Sept-01																						
NW-2345	Dec-01																						
NW-2345	Mar-02																						
NW-2345	June-02																						
NW-2345	Sept-02																						
NW-2345	Dec-02																						
NW-2345	Apr-04																						
NW-2345	June-05																						
NW-2345	Sept-06																						
NW-2345	Dec-07																						

TABLE 14 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	d-Al (mg/l)	d-Sb (mg/l)	d-As (mg/l)	d-Ba (mg/l)	d-Cr (mg/l)	d-Cu (mg/l)	d-Fe (mg/l)	d-Hg (mg/l)	d-Mn (mg/l)	d-Ni (mg/l)	d-Pb (mg/l)	d-Sr (mg/l)	d-Zn (mg/l)	d-1b (mg/l)
MW-234D	Nov-89														
MW-234D	Feb-90														
MW-234D	Apr-90														
MW-234D	Nov-90														
MW-234D	Feb-91														
MW-234D	May-91														
MW-234D	Aug-91														
MW-234D	Nov-91														
MW-234D	Feb-92														
MW-234D	May-92														
MW-234D	Aug-92														
MW-234D	Dec-92														
MW-234D	Feb-93														
MW-234D	May-93														
MW-234D	Aug-93														
MW-234D	Dec-93														
MW-234D	Feb-94														
MW-234D	May-94														
MW-234D	Aug-94														
MW-234D	Nov-94														
MW-234D	March-95														
MW-234D	June-95														
MW-234D	Sept-95														
MW-234D	Nov-95														
MW-234D	April-96														
MW-234D	June-96														
MW-234D	Sept-96														
MW-234D	Nov-96														
MW-234D	Mar-97														
MW-234D	June-97														
MW-234D	Sept-97														
MW-234D	Dec-97														
MW-234D	Mar-98														
MW-234D	June-98														
MW-234D	Sept-98														
MW-234D	Dec-98														
MW-234D	Apr-99														
MW-234D	June-99														
MW-234D	Sept-99														
MW-234D	Dec-99														
MW-234D	Apr-00														
MW-234D	Jun-00														
MW-234D	Sept-00														
MW-234D	Dec-00														
MW-234D	Mar-01														
MW-234D	Jan-01														
MW-234D	Sept-01														
MW-234D	Dec-01														
MW-234D	Mar-02														
MW-234D	Jun-02														
MW-234D	Sept-02														
MW-234D	Dec-02														
MW-234D	Apr-04														
MW-234D	Jun-05														
MW-234D	Sept-06														
MW-234D	Dec-07														

TABLE 14 • HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Sample	Date	d-Al (mg/l)	d-Sb (mg/l)	d-As (mg/l)	d-Ba (mg/l)	d-B (mg/l)	d-Cd (mg/l)	d-Cs (mg/l)	d-Cr (mg/l)	d-Co (mg/l)	d-Cu (mg/l)	d-Fe (mg/l)	d-Mg (mg/l)	d-Mn (mg/l)	d-Hg (mg/l)	d-Ni (mg/l)	d-K (mg/l)	d-Se (mg/l)	d-Ag (mg/l)	d-Ns (mg/l)	d-Tl (mg/l)	d-V (mg/l)	d-Zn (mg/l)	d-Pb (mg/l)
Nov-89	MW-2355																							
Feb-90	MW-2355																							
Apr-90	MW-2355																							
Nov-90	MW-2355																							
Feb-91	MW-2355																							
May-91	MW-2355																							
Aug-91	MW-2355																							
Nov-91	MW-2355																							
Feb-92	MW-2355																							
May-92	MW-2355																							
Aug-92	MW-2355																							
Dec-92	MW-2355																							
Feb-93	MW-2355																							
May-93	MW-2355																							
Aug-93	MW-2355																							
Dec-93	MW-2355																							
Feb-94	MW-2355																							
May-94	MW-2355																							
Aug-94	MW-2355																							
Nov-94	MW-2355																							
March-95	MW-2355																							
June-95	MW-2355																							
Sept-95	MW-2355																							
Nov-95	MW-2355																							
April-96	MW-2355																							
June-96	MW-2355																							
Sept-96	MW-2355																							
Nov-96	MW-2355																							
March-97	MW-2355																							
June-97	MW-2355																							
Sept-97	MW-2355																							
Dec-97	MW-2355																							
Mar-98	MW-2355	4.8	<0.06	<0.11	<0.1	<0.01	<1	<0.01	140	<0.01	<0.02	0.031	23	7	<0.0002	<0.01	1.6	<0.05	<0.01	12	<0.03	<0.03	0.047	<0.01
June-98	MW-2355					<0.01	150	<0.01	110	<0.01	110	0.1	26	13		2				10				<0.01
Sept-98	MW-2355					<0.01	110	<0.01	177	<0.0050	177	0.1	26	13		1.7			6.4					<0.01
Dec-98	MW-2355					<0.0050	177	<0.0050	177	<0.0050	177	0.1	26	13		1.48			8.98					0.002
June-00	MW-2355					<0.005	179	<0.005	179	<0.005	179	0.1	26	13		1.46			7.83					<0.001
Dec-00	MW-2355					<0.005	184	<0.005	184	<0.005	184	0.1	26	13		1.83			10.4					<0.001
Mar-01	MW-2355					<0.005	184	<0.005	184	<0.005	184	0.1	26	13		1.44			8.38					<0.001
June-01	MW-2355	<0.075	<0.050	0.117	<0.012	0.039	188	<0.010	<0.010	<0.017	<0.017	0.1	26	13		<0.0002	<0.012	<0.002	<0.010	8.55	<0.001	<0.010	<0.020	<0.001
Sept-01	MW-2355					<0.005	179	<0.005	179	<0.005	179	0.1	26	13		1.76			8.39					0.003
Dec-01	MW-2355					<0.005	200	<0.005	200	<0.005	200	0.1	26	13		1.48			8.52					<0.001
Mar-02	MW-2355					<0.005	180	<0.005	180	<0.005	180	0.1	26	13		1.44			8.01					<0.001
June-02	MW-2355					<0.005	196	<0.005	196	<0.010	<0.010	0.1	26	13		1.84			9.36					<0.001
Sept-02	MW-2355	<0.075	<0.050	0.104	<0.002	0.037	214	<0.005	214	<0.010	<0.010	<0.017	0.1	26		1.62	0.001	0.001	<0.010	9.22	<0.001	<0.010	0.02	<0.001
Dec-02	MW-2355					<0.001	190	<0.001	190	<0.002	<0.010	<0.017	0.1	26		1.73			8.39					<0.001
Apr-04	MW-2355	<0.1	<0.050	0.407	<0.002	0.081	173	<0.001	173	<0.002	<0.010	<0.017	0.1	26		2.51	<0.001	<0.001	<0.010	7.49	<0.001	<0.010	<0.020	<0.001

TABLE 14 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

[illegible]

Monitoring Well	Sample Date	δ-Al (mg/L)	δ-Sb (mg/L)	δ-As (mg/L)	δ-Ba (mg/L)	δ-Bi (mg/L)	δ-Cd (mg/L)	δ-Cr (mg/L)	δ-Co (mg/L)	δ-Cu (mg/L)	δ-Fe (mg/L)	δ-Mn (mg/L)	δ-Hg (mg/L)	δ-Ni (mg/L)	δ-K (mg/L)	δ-Se (mg/L)	δ-Ag (mg/L)	δ-Na (mg/L)	δ-Tl (mg/L)	δ-V (mg/L)	δ-Zn (mg/L)	δ-Pb (mg/L)
San Juan River	Nov-89	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
MW-236D	Nov-89																					
MW-236D	Feb-90																					
MW-236D	Apr-90																					
MW-236D	Nov-90																					
MW-236D	May-91																					
MW-236D	Aug-91																					
MW-236D	Nov-91																					
MW-236D	Feb-92																					
MW-236D	May-92																					
MW-236D	Aug-92																					
MW-236D	Dec-92																					
MW-236D	Feb-93																					
MW-236D	May-93																					
MW-236D	Sep-93																					
MW-236D	Dec-93																					
MW-236D	Feb-94																					
MW-236D	May-94																					
MW-236D	Aug-94																					
MW-236D	Nov-94																					
MW-236D	March-95																					
MW-236D	June-95																					
MW-236D	Sept-95																					
MW-236D	Nov-95																					
MW-236D	April-96																					
MW-236D	June-96																					
MW-236D	Sept-96																					
MW-236D	Nov-96																					
MW-236D	Mar-97																					
MW-236D	June-97																					
MW-236D	Sept-97																					
MW-236D	Dec-97																					
MW-236D	Mar-98																					
MW-236D	June-98	<0.1	<0.06	<0.01	<0.2	<0.01	<1	<0.01	<0.01	<0.02	<0.05	0.018	<0.0002	0.013	1.8	<0.05	<0.01	<0.03	<0.03	0.059	<0.01	<0.01
MW-236D	Sept-98									0.13	0.16	0.014			2.2						0.039	<0.01
MW-236D	Dec-98									0.073	0.10	0.015			<1			16				<0.01

TABLE 14 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	As (mg/L)	Cd (mg/L)	Cr (mg/L)	Cu (mg/L)	Fe (mg/L)	Mg (mg/L)	Mn (mg/L)	Ni (mg/L)	Pb (mg/L)	Sb (mg/L)	Se (mg/L)	Si (mg/L)	Th (mg/L)	V (mg/L)	Zn (mg/L)	Pb (mg/L)
MW-245D	Feb-90																
MW-245D	Apr-90																
MW-245D	Nov-90																
MW-245D	Feb-91																
MW-245D	May-91																
MW-245D	Aug-91																
MW-245D	Nov-91																
MW-245D	Feb-92																
MW-245D	May-92																
MW-245D	Aug-92																
MW-245D	Dec-92																
MW-245D	Feb-93																
MW-245D	Jun-93																
MW-245D	Aug-93																
MW-245D	Dec-93																
MW-245D	Feb-94																
MW-245D	Mar-94																
MW-245D	Aug-94																
MW-245D	Nov-94																
MW-245D	March-95																
MW-245D	June-95																
MW-245D	Sept-95																
MW-245D	Dec-95																
MW-245D	April-96																
MW-245D	June-96																
MW-245D	Sept-96																
MW-245D	Nov-96																
MW-245D	Mar-97																
MW-245D	June-97																
MW-245D	Sept-97																
MW-245D	Dec-97																
MW-245D	Mar-98																
MW-245D	June-98																
MW-245D	Sept-98																
MW-245D	Dec-98																
MW-245D	Apr-99																
MW-245D	June-99																
MW-245D	Sept-99																
MW-245D	Dec-99																
MW-245D	Apr-00																
MW-245D	June-00																
MW-245D	Sept-00																
MW-245D	Dec-00																
MW-245D	Mar-01																
MW-245D	June-01																
MW-245D	Sept-01																
MW-245D	Dec-01																
MW-245D	Mar-02																
MW-245D	June-02																
MW-245D	Sept-02																
MW-245D	Dec-02																
MW-245D	Apr-04																
MW-245D	June-05																
MW-245D	Sept-06																
MW-245D	Dec-07																

TABLE 14 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	Al (mg/l)	Si (mg/l)	As (mg/l)	Ba (mg/l)	B (mg/l)	Br (mg/l)	Ca (mg/l)	Cr (mg/l)	Cu (mg/l)	Fe (mg/l)	Mn (mg/l)	Mg (mg/l)	Mo (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Se (mg/l)	Ag (mg/l)	Nu (mg/l)	Tl (mg/l)	V (mg/l)	Zn (mg/l)
MW-2305	Nov-89	1.32	<0.060	<0.010	<0.2	<0.025		77.3	<0.01	<0.015	1.5	0.003	0.0035	0.289	<0.0002	<0.04	11	<0.005	<0.01	8.13	<0.010		0.032
MW-2305	Feb-90		<0.010	<0.010							0.0035												
MW-2305	Apr-90		<0.010	<0.010																			
MW-2305	Nov-90	61	<0.060		0.38	<0.01		230															
MW-2305	Feb-91																						
MW-2305	May-91							77.5															
MW-2305	Aug-91																						
MW-2305	Nov-91							72.4															
MW-2305	Feb-92	8.97	<0.060	<0.020	0.13	<0.010		64.7	<0.020	<0.020													
MW-2305	May-92							100															
MW-2305	Aug-92							54.9															
MW-2305	Dec-92							55.1															
MW-2305	Feb-93							63.1															
MW-2305	May-93	7.7	<0.060	<0.020	<0.010	<0.010		61.4	<0.020	0.027													
MW-2305	Aug-93							48.3															
MW-2305	Nov-93							61.5															
MW-2305	March-95							77.2															
MW-2305	Feb-94							62															
MW-2305	May-94	1.16	<0.060	<0.020	<0.010	<0.010		53.7	<0.020	<0.020													
MW-2305	Aug-94							47															
MW-2305	Nov-94							66.2															
MW-2305	March-95							67.6															
MW-2305	June-95							61															
MW-2305	Sept-95							48.8	<0.020	<0.020													
MW-2305	Nov-95	1.56	<0.060	<0.020	0.21	<0.010		78	<0.01	<0.02													
MW-2305	April-96	5.7	<0.1	<0.01	<0.2	<0.005		85															
MW-2305	June-96							70															
MW-2305	Sept-96							31															
MW-2305	Nov-96							42	<0.01	<0.02													
MW-2305	Mar-97	1.9	<0.06	0.01	<0.2	<0.01		43															
MW-2305	June-97							40															
MW-2305	Sept-97							46															
MW-2305	Dec-97							73															
MW-2305	Mar-98							52	0.015	<0.07													
MW-2305	June-98	5.3	<0.06	<0.01	<0.2	<0.01		77															
MW-2305	Sept-98							73															
MW-2305	Dec-98							3.6	0.012	<0.01													
MW-2305	Mar-99	7.3	<0.01	<0.01	<2	<0.01		59	<0.010	<0.017													
MW-2305	Apr-00	4.03	<0.050	0.007	0.09	<0.002	<0.048	69.5	<0.010	<0.017													
MW-2305	June-01	8.99	<0.050	0.007	0.103	<0.002	<0.048	69.5	<0.010	<0.017													
MW-2305	Sept-02	0.402	<0.050	0.004	0.073	<0.002	<0.048	69.5	<0.010	<0.017													
MW-2305	Apr-04	1.31	<0.050	0.005	0.078	<0.002	<0.048	68.7	0.004	<0.010													
MW-2305	June-05	0.183	<0.0025	0.0057	0.0058	<0.0004	0.136	50.7	0.0016	<0.0019													
MW-2305	Sept-06	<0.200	<0.060	<0.005	0.21	<0.005	<0.050	69	<0.010	<0.050													
MW-2305	Dec-07	27	<0.01		0.3	<0.01	<0.5	210	0.039	0.036	0.13												

TABLE 14 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	Al (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	B (mg/l)	Ca (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)	Pb (mg/l)	Mn (mg/l)	Ni (mg/l)	K (mg/l)	Se (mg/l)	Na (mg/l)	Ti (mg/l)	V (mg/l)	Zn (mg/l)
MW-232D	Nov-89	0.779	<0.006	<0.010	<0.005	<0.010	44.9	<0.01	<0.013	0.178	<0.003	<0.013	<0.0002	<0.04	<0.005	<0.01	<0.01	<0.01	0.031
MW-232D	Feb-90					<0.010													
MW-232D	Apr-90		<0.010			<0.010				0.223	<0.003	<0.013	<0.015						
MW-232D	Nov-90	0.76	<0.006	<0.010	<0.01	<0.01	38	<0.01	<0.01	0.223	<0.003	9.4	0.02	<0.001	<0.005	<0.01	<0.01	<0.01	0.03
MW-232D	Feb-91					<0.010	32.4					6.76	0.012	6.89					
MW-232D	May-91					<0.010	38.3			0.396	<0.020	10.4	0.013	5.25					
MW-232D	Aug-91					<0.010	36.8			0.277	<0.020	9.7	0.031	3.79					
MW-232D	Nov-91					<0.010	38.5	<0.020	<0.010		<0.020	10.6	0.029	<0.001	<0.005	<0.01	<0.01	<0.01	0.015
MW-232D	Feb-92	0.28	<0.006	<0.010	<0.01	<0.010	94.8				<0.020	32.3	0.092	2.75					
MW-232D	May-92					<0.010	59.9				<0.020	8.8	0.079	11.3					
MW-232D	Aug-92					<0.010	56.6				<0.020	16.7	0.033	5.71					
MW-232D	Dec-92					<0.010	31.9			0.235	<0.020	8.8	<0.020	4.41					
MW-232D	Feb-93	<0.70	<0.006	<0.010	<0.01	<0.010	41.6	<0.020	0.023	0.27	<0.005	11.7	<0.020	3.65	<0.005	<0.01	<0.01	<0.01	<0.020
MW-232D	May-93					<0.010	36.2				<0.005	17.8	<0.020	2.74					
MW-232D	Aug-93					<0.010	46.4				0.007	16	0.032	4.36					
MW-232D	Dec-93					<0.010	42.2				<0.005	14	0.022	3.19					
MW-232D	Feb-94					<0.010	35.4				<0.005	14.6	0.021	3.77					
MW-232D	May-94					<0.010	73.6	<0.020	<0.010		<0.005	27.1	0.03	<0.001	<0.005	<0.01	<0.01	<0.01	<0.020
MW-232D	Aug-94	<0.70	<0.006	<0.010	<0.01	<0.010	34.6			0.21	<0.005	14.7	0.037	3.5					
MW-232D	Nov-94					<0.010	38				0.005	16		11.4					
MW-232D	March-95					<0.010	35.7				<0.005	14.6	0.13	5.68					
MW-232D	June-95					<0.010	43.8				<0.005	16.3	0.094	4.75					
MW-232D	Sept-95	0.27	<0.006	<0.010	<0.01	<0.010	37.2	<0.020	0.037		0.007	15.8	0.12	<0.001	<0.005	<0.01	<0.01	<0.01	0.22
MW-232D	Nov-95					No Sample Taken													
MW-232D	April-96					No Sample Taken													
MW-232D	June-96					No Sample Taken													
MW-232D	Sept-96					No Sample Taken													
MW-232D	Nov-96					No Sample Taken													
MW-232D	Mar-97					No Sample Taken													
MW-232D	June-97					<0.01	37				<0.01	14		6.5					
MW-232D	Sept-97					No Sample Taken													
MW-232D	Dec-97					No Sample Taken													
MW-232D	Mar-98					No Sample Taken													
MW-232D	Sept-98					<0.01	33				<0.01	13	0.26	2.1					
MW-232D	Dec-98					<0.01	46				<0.01	13	0.16	<1					

TABLE 14 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	B (mg/l)	Ca (mg/l)	Co (mg/l)	Cr (mg/l)	Cu (mg/l)	Fe (mg/l)	Mn (mg/l)	Mo (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Sr (mg/l)	Ag (mg/l)	Nu (mg/l)	Ti (mg/l)	V (mg/l)	Zn (mg/l)
MW-2355	Nov-89	15.7	<0.06	0.0005	0.13	<0.005	<0.010	118	0.0231	0.0495	0.0198	0.0003	0.0003	0.0005	<0.04	<0.005	<0.005	<0.01	14	<0.01	<0.01	0.113
MW-2355	Feb-90			0.0005			<0.010				<0.003											
MW-2355	Apr-90			0.0005			<0.010				0.0036											
MW-2355	Nov-90	0.93	<0.060	0.0005	0.15	<0.01	<0.010	100	<0.03	<0.02	<0.020	23		<0.001	<0.04	1.2	<0.005	<0.02	12	<0.010		0.07
MW-2355	Feb-91						<0.010	105			<0.020	23.9				2.69			12.1			
MW-2355	May-91						<0.010	92.8			<0.020	21.9				1.27			11			
MW-2355	Aug-91						<0.010	100			<0.020	23.8				1.39			11.2			
MW-2355	Nov-91						<0.010	96.9			<0.020	19.8				1.3			11.5			
MW-2355	Feb-92	2.66	<0.060	0.0005	0.17	<0.010	<0.010	109	<0.020	<0.020	<0.020	23.8		<0.001	<0.040	1.9	<0.005	0.043	12.2	<0.010		<0.020
MW-2355	May-92						<0.010	122			<0.020	20.7				0.91			12.3			
MW-2355	Aug-92						<0.010	88.3			<0.020	20.6				1.79			8.73			
MW-2355	Dec-92						<0.010	91			<0.020	21.1				2.38			11.7			
MW-2355	Feb-93						<0.010	77.6			<0.020	19.5				2.38			11.8			
MW-2355	May-93				0.26	<0.010	<0.010	91.3	<0.020	<0.020	0.007	21.2		<0.001	<0.040	1.82	<0.005	<0.020	11.3	<0.010		<0.020
MW-2355	Aug-93						<0.010	100			0.006	28.8				1.13			14.9			
MW-2355	Dec-93						<0.010	104			0.005	29.1				2.54			12.4			
MW-2355	Feb-94						<0.010	93.5			<0.005	25				1.38			10.5			
MW-2355	May-94						<0.010	111			<0.005	25.2				0.84			11.5			
MW-2355	Aug-94	0.38	<0.060	<0.020	<0.10	<0.010	<0.010	118	<0.020	<0.020	<0.005	26.1		<0.001	0.061	1.42	<0.005	<0.020	7.32	<0.005		<0.020
MW-2355	Nov-94						<0.010	84.5			<0.005	24.8				3.56			11.2			
MW-2355	March-95						<0.010	104			<0.005	26.5				1.65			10.6			
MW-2355	June-95						<0.010	102			<0.005	25.1				1.12			10			
MW-2355	Sept-95						<0.010	110			<0.005	26.3				1.45			5.1			
MW-2355	Nov-95	1.33	<0.060	0.0005	0.42	<0.010	<0.010	93	<0.020	0.03	<0.005	25.8		<0.001	<0.040	7.26	<0.005	<0.020	10.5	<0.005		0.077
MW-2355	April-96	3.8	<0.1	0.021	<0.2	<0.003	<0.002	130	<0.01	<0.02	0.012	22		<0.0002	<0.01	3.3	<0.1	<0.01	13	<0.03		0.076
MW-2355	June-96						<0.01	48			<0.01	11				2.5			20			
MW-2355	Sept-96						<0.01	130			0.02	27				3.5			10			
MW-2355	Nov-96						<0.01	110			<0.01	22				1.5			10			
MW-2355	March-97	3.6	<0.06	0.015	<0.7	<0.01	<0.01	120	<0.01	<0.02	0.015	23		<0.0004	<0.01	2.5	<0.05	<0.01	6.5	<0.03		0.077
MW-2355	June-97						<0.01	120			0.023	30				3.2			9.9			
MW-2355	Sept-97						<0.01	130			0.01	32				3.5			12			
MW-2355	Dec-97						<0.01	120			<0.01	29				2.7			12			
MW-2355	Mar-98						<0.01	150			0.015	34				4.9			12			
MW-2355	June-98	4.9	<0.06	0.0005	0.24	<0.01	<0.01	140	0.01	<0.02	0.013	32		<0.0002	0.013	3.2	<0.05	<0.01	12	<0.03	<0.03	0.091
MW-2355	Sept-98						<0.01	160			0.013	35				4.2			9.3			
MW-2355	Dec-98						<0.01	180			<0.01	30				<1			10			
MW-2355	Mar-99						<0.0050	163			0.002	30				1.46			8.67			
MW-2355	Sept-99						<0.005	187			0.004	32				1.19			7.97			
MW-2355	Dec-00						<0.005	187			0.001	34				1.44			7.53			
MW-2355	Mar-01						<0.005	196			<0.001	34				1.5			7.71			
MW-2355	June-01	<0.075	<0.050	0.0005	0.29	<0.002	<0.002	175	<0.010	<0.010	0.004	35		<0.0002	0.012	1.84	<0.002	<0.010	8.37	<0.001	<0.010	<0.020
MW-2355	Sept-01						<0.005	181			0.003	35				1.32			8.61			
MW-2355	Dec-01						<0.005	183			0.006	35				1.57			8.51			
MW-2355	Mar-02						<0.005	207			<0.001	35				1.46			8.69			
MW-2355	June-02						<0.005	197			0.002	35				3.19			10.6			
MW-2355	Sept-02	0.113	<0.050	0.0005	0.771	<0.002	<0.005	199	<0.010	<0.010	0.001	35		<0.0002	<0.012	1.59	0.001	<0.010	9.13	<0.001	<0.010	0.021
MW-2355	Dec-02						<0.001	207			0.001	35				1.72			7.69			
MW-2355	Apr-04	<0.1	<0.050	0.0005	0.416	<0.002	<0.001	188	<0.002	<0.010	<0.001	34.8		<0.0002	<0.012	2.89	<0.001	<0.010	8.21	<0.001	0.01	<0.020

TABLE 14 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	Al (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	B (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	Fe (mg/l)	Mn (mg/l)	Mg (mg/l)	Mo (mg/l)	Hg (mg/l)	Mi (mg/l)	K (mg/l)	Sr (mg/l)	Ax (mg/l)	Na (mg/l)	Ti (mg/l)	V (mg/l)	Zn (mg/l)
MW-235D	Nov-89	0.129	<0.01	<0.2	<0.005		<0.010	59.8	<0.01	<0.025					0.231	<0.0002	<0.04		<0.005	<0.01	48.3	<0.01		0.0215
MW-235D	Feb-90		<0.01			<0.010	<0.010																	
MW-235D	Apr-90		<0.01			<0.010																		
MW-235D	Nov-90	0.15	<0.006	<0.020	0.11	<0.01	<0.01	93	<0.03		<0.02			19	0.175	<0.001	<0.04	1.3	<0.005	<0.02	8.5	<0.010		0.03
MW-235D	Feb-91					<0.010	<0.010	109						22				1.14			5.64			
MW-235D	May-91					<0.010	103							20.5				1.03			4.08			
MW-235D	Aug-91					<0.010	102							21.1				1.37			4.38			
MW-235D	Nov-91					<0.010	85.8							15.1				0.87			3.96			
MW-235D	Feb-92	0.49	<0.006	<0.020	0.14	<0.010	<0.010	86	<0.020		<0.020			19.3		<0.001	<0.040	1.09	<0.005	0.035	4.51	<0.010		0.032
MW-235D	May-92					<0.010	94.7							20.7				0.85			3.09			
MW-235D	Aug-92					<0.010	76.3							16.5				1.44			5.21			
MW-235D	Dec-92					<0.010	111							26				2.23			5.87			
MW-235D	Feb-93					<0.010	65.5							16.5				1.49						
MW-235D	May-93					<0.010	70.9							15.9		<0.001	<0.040	1.45	<0.005	<0.020	17.7	<0.010		0.035
MW-235D	Aug-93	<0.20	<0.006	<0.020	<0.10	<0.010	<0.010	64.1						19.2				1.06						
MW-235D	Dec-93					<0.010	67.6							17.7				1.83						
MW-235D	Feb-94					<0.010	38.7							7.7				2.7			7.51			
MW-235D	May-94					<0.010	55.4							9.7				1.57			15.4			
MW-235D	Aug-94	0.42	<0.006	<0.020	<0.10	<0.010	<0.010	37.5	<0.020		<0.020			11.8		<0.001	0.074	2.02	<0.005	<0.020	11.7	<0.005		0.024
MW-235D	Nov-94					<0.010	42.2							11.2				2.08						
MW-235D	March-95					<0.010	52.5							12				1.85						
MW-235D	June-95					<0.010	49.6							11.8				2.57						
MW-235D	Sept-95					<0.010	61							14.2				2.15						
MW-235D	Nov-95	0.54	<0.006	<0.020	0.22	<0.010	<0.010	46.7	<0.020		<0.020			12.3		<0.001	<0.040	3.3	<0.005	<0.020		<0.005		0.048
MW-235D	April-96	0.81	<0.1	<0.01	<0.003	<0.002	49		<0.01		<0.02			10		<0.0002	<0.01	3.1	<0.1	<0.01	15	<0.03		0.056
MW-235D	June-96					<0.01	120							24				2.2						
MW-235D	Sept-96					<0.01	49							11				3.2						
MW-235D	Nov-96					<0.01	52							12				2.2						
MW-235D	Mar-97	0.64	<0.06	<0.01	<0.1	<0.01	<0.01	51	<0.01		<0.02			12		<0.0004	<0.01	2.6	<0.05	<0.01	17	<0.03		0.081
MW-235D	June-97					<0.01	52							13				2.3						
MW-235D	Sept-97					<0.01	54							14				2.2						
MW-235D	Dec-97					<0.01	50							13				2.2						
MW-235D	Mar-98					<0.01	51							13				2.2						
MW-235D	June-98	0.6	<0.06	<0.01	<0.1	<0.01	<0.01	52	<0.01		<0.02			14		<0.0002	<0.01	2.8	<0.05	<0.01		<0.03	<0.03	0.1
MW-235D	Sept-98					<0.01	53							14				3.5						
MW-235D	Dec-98					<0.01	61							13				<1						
MW-235D	June-00					<0.006	69.7							14				2.87						
MW-235D	Sept-00					<0.005	65							15.1				1.72						
MW-235D	Dec-00					<0.005	58.1							13.7				1.7						
MW-235D	Mar-01					<0.005	53.6							13				1.82						
MW-235D	June-01	<0.075	<0.050	0.003	0.061	<0.002	<0.005	56.4	<0.010	<0.010	<0.017			13.6		<0.0002	<0.012	2.14	<0.002	<0.010		<0.001	<0.010	<0.020
MW-235D	Sept-01					<0.005	57.5							13.9				5.9						
MW-235D	Dec-01					<0.005	63.6							14.5				3.96						
MW-235D	Mar-02					<0.005	61							14				2.87						
MW-235D	June-02					<0.005	55.5							13.8				2.9						
MW-235D	Sept-02	<0.075	<0.050	0.006	0.068	<0.002	<0.005	53.1	<0.010	<0.010	<0.017			13.2		<0.0002	<0.012	4.7	<0.001	<0.010		<0.001	<0.010	0.029
MW-235D	Dec-02					<0.001	54							14.1				2.84						
MW-235D	Apr-04	0.103	<0.050	0.007	0.099	<0.002	<0.001	74.6	<0.002	<0.010	<0.017			15		<0.0002	0.012	5.46	<0.001	<0.010	9.14	<0.001	<0.010	<0.020

TABLE 14 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	Al (mg/l)	As (mg/l)	Ba (mg/l)	B (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Cu (mg/l)	Fe (mg/l)	Pb (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Se (mg/l)	Az (mg/l)	Nu (mg/l)	Ti (mg/l)	V (mg/l)	Zn (mg/l)
MW-2365	Nov-89	0.437	<0.06	<0.01	<0.005	<0.010	78.7	<0.01	<0.025	9.75	<0.003	0.003	<0.002	<0.004	3.1	<0.005	<0.01	8.33	<0.01	<0.01	<0.02
MW-2365	Feb-90		<0.01			<0.010				0.239	0.0035										
MW-2365	Apr-90		<0.01			<0.010															
MW-2365	Nov-90	12	<0.060	<0.020	0.2	<0.01	97	<0.03	0.03	0.74	<0.020	18	<0.001	<0.004	1.95	<0.025	<0.02	8.3	<0.010		0.12
MW-2365	Feb-91					<0.010	85.1			0.44	<0.020	11			7.83			8.24			
MW-2365	May-91					<0.010	80.7			0.44	<0.020	11			7.83			7.83			
MW-2365	Aug-91					<0.010	75			0.44	<0.020	10			1.1			7.53			
MW-2365	Nov-91					<0.010	69.8			0.44	<0.020	8.78			0.91			7.75			
MW-2365	Feb-92	2.25	<0.060	<0.020	0.16	<0.010	69.3	<0.020	<0.020	0.44	<0.020	10.2			1.35	<0.025	<0.020	8.09	<0.010		0.047
MW-2365	May-92					<0.010	69.2			0.44	<0.020	9.73			1.16			6.46			
MW-2365	Aug-92					<0.010	61.6			0.44	<0.020	8.85			1.0			6.13			
MW-2365	Dec-92					<0.010	59.7			0.44	<0.020	8.85			1.56			7.22			
MW-2365	Feb-93					<0.010	48.3			0.44	<0.020	10.9			3.63			7.39			
MW-2365	May-93	4.34	<0.060	<0.020	<0.010	<0.010	85.2	<0.020	<0.020	0.44	<0.020	9.94			2.38	<0.025	<0.020	9.15	<0.010		<0.020
MW-2365	Aug-93					<0.010	58.3			0.44	<0.020	14.4			1.87			8.78			
MW-2365	Feb-94					<0.010	68.1			0.44	<0.020	12.7			2.94			9.61			
MW-2365	May-94					<0.010	76.1			0.44	<0.020	15.2			3.59			10.1			
MW-2365	Aug-94	1.3	<0.060	<0.020	<0.010	<0.010	78.6	<0.020	0.061	0.44	<0.020	11.2			0.74			12.8			<0.020
MW-2365	Nov-94					<0.010	83.6			0.44	<0.020	19.2			1.55			14.1			
MW-2365	March-95					<0.010	116			0.44	<0.020	28.4			2.13			14.3			
MW-2365	June-95					<0.010	96.8			0.44	<0.020	18.8			1.33			9.35			
MW-2365	Sept-95					<0.010	57.5			0.44	<0.020	11.6			2.4			9.62			
MW-2365	Nov-95	2.9	<0.060	<0.020	0.31	<0.010	77.8	<0.020	0.037	0.44	<0.020	15.5			2.28	<0.025	<0.020	14.4	<0.025		0.035
MW-2365	April-96	7.5	<0.1	<0.01	<0.003	<0.002	120	0.012	<0.02	0.44	<0.020	20			2.9	<0.1	<0.01	16	<0.03		0.11
MW-2365	June-96					<0.01	79			0.44	<0.020	13			2.4			10			
MW-2365	Sept-96					<0.01	83			0.44	<0.020	14			1.9			12			
MW-2365	Nov-96					<0.01	82			0.44	<0.020	13			1.4			11			
MW-2365	Mar-97	22	<0.06	<0.01	<0.01	<0.01	110	0.006	0.044	0.44	<0.020	21			6.4	<0.05	<0.01	10	<0.01		0.2
MW-2365	June-97					<0.01	130			0.44	<0.020	30			5.5			9.6			
MW-2365	Sept-97					<0.01	97			0.44	<0.020	20			3.1			12			
MW-2365	Dec-97					<0.01	110			0.44	<0.020	27			2.6			15			
MW-2365	Mar-98					<0.01	130			0.44	<0.020	27			3.8			15			
MW-2365	June-98	7.6	<0.06	<0.01	<0.01	<0.01	96	0.012	<0.02	0.44	<0.020	20			3.7	<0.05	<0.01	12	<0.03	<0.03	0.076
MW-2365	Sept-98					<0.01	46			0.44	<0.020	16			4.6			9.7			
MW-2365	Dec-98					<0.01	92			0.44	<0.020	14			1.4			8			

TABLE 14 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	Al (mg/l)	Si (mg/l)	As (mg/l)	Ba (mg/l)	Bv (mg/l)	B (mg/l)	Cd (mg/l)	Ca (mg/l)	Cr (mg/l)	Cu (mg/l)	Fe (mg/l)	Pb (mg/l)	Mg (mg/l)	Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	K (mg/l)	Se (mg/l)	Au (mg/l)	Na (mg/l)	Tl (mg/l)	V (mg/l)	Zn (mg/l)
MW-236D	Nov-89	5.91	<0.6	<0.01	<0.2	<0.005		<0.010	77.4	0.0198	0.0303	0.14	0.0106	0.0055	0.0055	<0.0002	<0.04	<0.005	<0.01	34.5	<0.01			0.103
MW-236D	Feb-90			<0.01				<0.010				0.214	<0.005	0.0411										
MW-236D	Apr-90			<0.01				<0.010				0.214	<0.005	0.0411										
MW-236D	Nov-90	0.73	<0.060	<0.020	0.04	<0.01		<0.01	44	<0.03	<0.02	19	<0.020	19	0.06	<0.001	<0.04	2	<0.005	<0.02		<0.010		<0.02
MW-236D	May-91			<0.010				<0.010	46.1									2.44						
MW-236D	Aug-91			<0.010				<0.010	40.3			0.262	<0.020	17.1	0.04			1.83						
MW-236D	Nov-91			<0.010				<0.010	40.3									1.64						
MW-236D	Feb-92	1.38	<0.060	<0.020	<0.10	<0.010		<0.010	38.3	<0.020	<0.020	17.8	<0.020	16	0.051	<0.001	<0.040	2.05	<0.005	<0.020		<0.010		0.02
MW-236D	May-92								38.6									1.31						
MW-236D	Aug-92											0.209	<0.020	14.4	0.023			2.44						
MW-236D	Dec-92							<0.010	33.3			0.156	<0.020	13.7	0.026			1.79						
MW-236D	Feb-93							<0.010	33.8	<0.020	<0.020	0.156	<0.020	13.7	0.026			1.74						
MW-236D	May-93	<0.20	<0.060	<0.020	<0.10	<0.010		<0.010	33.8	<0.020	<0.020	0.156	<0.020	13.7	0.026			1.95	<0.005	<0.020		<0.010		<0.020
MW-236D	Sep-93							<0.010	32.7			0.163	<0.020	18.6	<0.020			1.66						
MW-236D	Dec-93							<0.010	37.9			0.172	<0.020	17.4	0.023			1.87						
MW-236D	Feb-94							<0.010	18.9				<0.005	15	0.022			1.52						
MW-236D	May-94							<0.010	33.1			0.1	<0.005	14.8	<0.020			1.44						
MW-236D	Aug-94	0.66	<0.060	<0.020	<0.10	<0.010		<0.010	40.2	<0.020	0.07	0.16	<0.005	15.1	<0.020			1.34	<0.005	<0.020		<0.005		0.055
MW-236D	Nov-94							<0.010	29			0.16	<0.005	15.1	<0.020			1.83						
MW-236D	March-95							<0.010	35.2			0.16	<0.005	15.1	<0.020			2.31						
MW-236D	June-95							<0.010	35.2			0.16	<0.005	17.4	0.027			2.11						
MW-236D	Sept-95							<0.010	37.2			0.092	<0.005	15.8	0.026			1.85						
MW-236D	Nov-95	0.23	<0.060	<0.020	0.18	<0.010		<0.010	32.7	<0.020	0.14	0.092	<0.005	15.8	0.026			1.96	<0.005	<0.020		<0.005		0.052
MW-236D	April-96	<0.1	<0.1	<0.01	<0.2	<0.005		<0.002	33	<0.01	<0.02	0.22	<0.01	14	0.019	<0.002	<0.01	1.9	<0.1	<0.01		<0.005		0.053
MW-236D	June-96							<0.01	26									1.9						
MW-236D	Sept-96							<0.01	37									2						
MW-236D	Nov-96							<0.01	34									1.5						
MW-236D	Mar-97	0.3	<0.06	<0.01	<0.2	<0.01		<0.01	35	<0.01	<0.02							2						0.079
MW-236D	June-97							<0.01	39									1.9						
MW-236D	Sept-97							<0.01	35									1.6						
MW-236D	Dec-97							<0.01	35									1.7						
MW-236D	Mar-98							<0.01	37									1.9						
MW-236D	June-98	<0.1	<0.06	<0.01	<0.2	<0.01	<1	<0.01	35	<0.01	<0.02							1.8	<0.05	<0.01		<0.005	<0.03	0.023
MW-236D	Sept-98							<0.01	35									2.4						
MW-236D	Dec-98							<0.01	41									<1						

TABLE 14 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Date	Al (mg/L)	As (mg/L)	Ba (mg/L)	B (mg/L)	Ca (mg/L)	Co (mg/L)	Cu (mg/L)	Cr (mg/L)	Fe (mg/L)	Mn (mg/L)	Hg (mg/L)	Ni (mg/L)	K (mg/L)	Sr (mg/L)	Ag (mg/L)	Nb (mg/L)	Tl (mg/L)	V (mg/L)	Zn (mg/L)
MW-2455	Nov-89	116	<0.06	0.89	0.007	<0.010	450	0.045	0.005	0.002	0.0097	0.00047	0.0004	2.6	<0.005	<0.01	12.7	<0.01		0.75
MW-2455	Feb-90					<0.010					0.0013									
MW-2455	Apr-90					<0.010														
MW-2455	Nov-90	4	<0.006	0.07	<0.01	<0.01	707	<0.02	<0.05	0.002	0.0013		<0.001	2.6	<0.005	<0.02	13	<0.010		0.05
MW-2455	Feb-91					<0.010	197							2.61			15.6			
MW-2455	May-91					<0.010	178							2.26			16.3			
MW-2455	Aug-91					<0.010	208							2.9			16.3			
MW-2455	Nov-91					<0.010	171							6.8			11.7			
MW-2455	Feb-92	1.04	<0.060	0.15	<0.010	<0.010	214	<0.020	<0.020	0.002	0.0013		<0.001	1.93	<0.005	<0.020	13.1	<0.010		<0.020
MW-2455	May-92					<0.010	191							1.64			15.8			
MW-2455	Aug-92					<0.010	156							3.2			13.6			
MW-2455	Dec-92					<0.010	139							7.12			19.9			
MW-2455	Feb-93					<0.010	140							4.82			19.9			
MW-2455	Jun-93	8.08	<0.060	<0.020	<0.010	<0.010	147	<0.020	0.028	0.002	0.0013		<0.001	4.13	<0.005	<0.020	14	<0.010		0.048
MW-2455	Sep-93					<0.010	150							3.15			16.1			
MW-2455	Dec-93					<0.010	163							2.95			18.2			
MW-2455	Feb-94					<0.010	163							4.06			20			
MW-2455	May-94					<0.010	180							2.01			21.1			
MW-2455	Aug-94	0.27	<0.060	<0.020	<0.010	<0.010	136	<0.020	0.048	0.002	0.0013		<0.001	1.99	<0.005	<0.020	12.4	<0.005		0.047
MW-2455	Nov-94					<0.010	136							1.63			18.4			
MW-2455	March-95					<0.010	174							2.34			23			
MW-2455	June-95					<0.010	170							2.11			13.1			
MW-2455	Sept-95					<0.010	150							3.07			16.9			
MW-2455	Dec-95	<0.20	<0.060	<0.020	0.31	<0.010	173	<0.020	0.077	0.002	0.0013		<0.001	2.21	<0.005	<0.020	15	<0.005		0.05
MW-2455	April-96	11	<0.1	<0.01	<0.2	<0.005	240	0.015	0.10	0.002	0.0013		<0.0002	0.021	<0.01	<0.01	27	<0.03		0.064
MW-2455	June-96					<0.01	220							6.4			34			
MW-2455	Sept-96					<0.01	200							3.1			34			
MW-2455	Nov-96					<0.01	160							6.8			34			
MW-2455	Mar-97	20	<0.06	<0.01	<0.2	<0.01	190	0.034	0.062	0.002	0.0013		<0.0004	0.044	<0.05	0.014	16	<0.03		0.2
MW-2455	June-97					<0.01	190							5			17			
MW-2455	Sept-97					<0.01	160							5.9			20			
MW-2455	Dec-97					<0.01	160							3.4			20			
MW-2455	Apr-98					<0.01	190							3.4			20			
MW-2455	June-98	10	<0.06	<0.01	<0.2	<0.01	180	0.02	0.011	0.028	0.002	0.0013		5.8	<0.05	<0.01	15	<0.03	<0.03	0.12
MW-2455	Sept-98					<0.01	180							9.8			18			
MW-2455	Dec-98					<0.01	180							8.2			19			
MW-2455	Apr-99					<0.01	240							3.7			19			
MW-2455	June-99					<0.01	210							5.7			19			
MW-2455	Sept-99					<0.01	180							4			20	<0.01	0.015	<0.01
MW-2455	Dec-99	11	<0.01	<0.02	0.07	<0.005	170	0.026	0.012	0.045	0.002	0.0013		2.09	<0.002	<0.010	19.4	<0.005	<0.020	
MW-2455	Apr-00	1.41	<0.050	0.016	0.047	<0.005	190	<0.010	<0.010	0.017	0.002	0.0013		1.92			19.4	<0.005	<0.020	
MW-2455	June-00					<0.005	181							1.81			20			
MW-2455	Sept-00					<0.005	150							1.81			20			
MW-2455	Dec-00					<0.005	150							1.81			20			
MW-2455	Mar-01					<0.005	121	<0.010	<0.010	0.017	0.002	0.0013		1.81			17.6	<0.005	<0.020	
MW-2455	June-01	0.44	<0.050	0.016	0.037	<0.005	132	<0.010	<0.010	0.017	0.002	0.0013		1.81			17.6	<0.005	<0.020	
MW-2455	Sept-01					<0.005	146							2.19			20			
MW-2455	Dec-01					<0.005	146							2.19			20			
MW-2455	Mar-02					<0.005	179							2.19			20			
MW-2455	June-02					<0.005	179							2.19			20			
MW-2455	Sept-02	0.404	<0.050	0.02	0.041	<0.005	136	<0.010	<0.010	0.019	0.002	0.0013		2.29			18.5	<0.005	<0.020	
MW-2455	Dec-02					<0.005	182							1.93			17.7	<0.005	<0.020	
MW-2455	Apr-04	2.77	<0.050	0.001	0.045	<0.005	121	0.004	<0.010	<0.017	0.002	0.0013		2.8	<0.005	<0.010	12.8	<0.005	<0.020	0.059
MW-2455	June-05	2.8	<0.0025	0.047	0.0316	<0.005	220	0.005	<0.005	0.007	0.002	0.0013		1.4	<0.005	<0.010	17	<0.010	0.032	0.79
MW-2455	Sept-06	50	<0.060	0.035	0.086	<0.005	170	0.016	0.033	0.014	0.002	0.0013		5	<0.005	<0.010	21	<0.010	0.011	0.076
MW-2455	Dec-07	10	<0.01	<0.2	<0.01	<0.01	170	0.016	0.033	0.014	0.002	0.0013		5	<0.005	<0.010	21	<0.010	0.011	0.076

TABLE 15 - HISTORICAL SURFACE WATER ANALYTICAL RESULTS - WATER QUALITY PARAMETERS

Sample Location	Sample Date	ALK (mg/l)	COD (mg/l)	Cl- (mg/l)	Cond (umhos/cm)	Hard (mg/l)	TOC (mg/l)	pH (field) (S.U.)	Phenols (mg/l)	Eh (mV)	SO4= (mg/l)	TDS (mg/l)	NH3 (mg/l)	NO3- (mg/l)	BOD5 (mg/l)	Color (units)	CN- (mg/l)	Cr+6 (mg/l)	TKN (mg/l)	DO (mg/l)	Bromide (mg/l)
Class C Surface Water Quality Standards and Guidance Values																					
SW-3	Apr-99	46	65	38	417	86	10	7.99	<0.002	55	32	210	<0.03	0.35	<4				0.76	7.78	<0.1
SW-3	Jun-99	18	18	52	510	220	5.7	8.17	0.002	125	26	290	<0.03	0.55	4.2				1.1	7.27	<0.1
SW-3	Sep-99	82	31	36	463	200	11	7.64	<0.002	375	90	330	<0.03	0.94	<4				0.86	7.05	<0.1
SW-3	Dec-99	120	24	35	477	190	10	7.35	<0.002	15	97	360	0.092	3.1	<4	55	<.01	<.03		11.01	<.1
SW-3	Apr-00	65.3	21.9	28.8	300	100	6.6	7.45	<0.004	-77	26	176	0.12	1.51	<3	75	<0.01	<0.01	<.1	10.6	<.1
SW-3	Jun-00	114	33.3	36.1	325	145	9.2	7.91	<0.004	-138	200	241	<0.1	0.743	3				<.1	7.8	<.1
SW-3	Sep-00	146	<10	42.1	511	173	9.2	8.15	<0.004	34	33	230	<0.1	0.855	<3				<.1	9.2	<.1
SW-3	Dec-00	45.8	31.6	30.6	293	95.2	8.9	7.87	0.0056	99	34	144	<0.1	1.54	<3				2.01	8.1	<.1
SW-3	Mar-01	72.8	<10	39.7	377	101	5	7.89	<0.004	12	33	170	<0.1	1.12	<3	150	<0.01		1.35	10.9	<.1
SW-3	Jun-01	72.3	36.6	40.3	362	100	20.1	7.84	<0.004	88	44.6	192	<0.1	0.479	4				1.35	7.5	<.1
SW-3	Sep-01	171	36.6	40.3	703	237	5.3	7.96	<0.004	88	35	365	<0.1	0.67	<3				1.35	7.4	<.1
SW-3	Dec-01	143	10.8	63.8	557	200	4.2	7.57	0.0022	89	45	350	<0.1	0.95	<3				<.1	9	<.1
SW-3	Mar-02	92.3	113	77.9	427	156	6.4	8.25	<0.004	-13	55.8	265	<0.1	0.724	<3				<.1	12.3	<.1
SW-3	Jun-02	113	<10	49.3	462	144	7.9	7.68	<0.004	67	29.3	267	<0.1	0.784	<3				<.1	8.4	<.1
SW-3	Sep-02	155	<10	78.5	610	232	5.6	8	<0.004	-77.8	66.6	405	<0.1	1.34	<3	50	<0.005	<0.01	<.1	9	<.1
SW-3	Dec-02	80.9	19.5	38.9	501	123	9	7.49	<0.004	-1.4	54	252	<0.1	0.64	<3				<.1	8.6	<.1
SW-3	Apr-04	96.4	26	48	368	118	6.4	8.08	<0.004	267	17.4	211	<0.10	0.5	3				<.1	8.4	<.1
SW-3	Sep-05	188	14.5	81		257	5.9		<0.004		38.5	446	<1.0	1.01	<4.00	500	<0.005	<0.010	<.1	8.4	<.1
SW-3	Dec-05	85	18	75	452	150	6.3	7.52	<0.003	365	10	280	<0.03	1.1	<4	30	<0.01	<0.01	0.66	9.84	<.1
SW-5	Apr-99	95	11	43	403	130	5.7	8.05	<0.002	115	24	230	<0.03	0.59	<4				1.1	8.71	<.1
SW-5	Jun-99	150	14	52	510	230	5.6	8.26	0.0023	135	27	290	<0.03	0.58	4				0.93	6.5	<.1
SW-5	Sep-99	85	31	39	476	200	11	7.2	<0.002	370	91	370	<0.03	1.2	<4				0.89	7.28	<.1
SW-5	Dec-99	68	28	35	661	200	10	7.33	<.002	130	100	360	0.084	3.3	<4	45	<.01	<.03	1.3	10.59	<.1
SW-5	Apr-00	62.9	11.5	28.9	290	99.8	7	7.51	<0.004	-72	31	177	0.137	1.52	8	100	<0.01	<0.01	<.1	9.2	<.1
SW-5	Jun-00	117	24.2	36	350	143	8.6	7.93	<0.004	-162	19	251	0.155	0.74	3				<.1	7.8	<.1
SW-5	Sep-00	147	19.9	42.2	684	172	9.6	8.12	<0.004	44	25	238	<0.1	0.914	<3				<.1	9	<.1
SW-5	Dec-00	91.7	105	36.7	400	193	7.4	7.01	0.0072	400	81	231	0.167	1.72	<3				7.37	7.9	<.1
SW-5	Mar-01	75.7	<10	40	408	106	5.4	7.7	<0.004	-18	19	156	<0.1	1.1	<3				7.32	10.8	<.1
SW-5	Jun-01	91.5	28.4	42.5	418	124	15	7.73	<0.004	-4	21.7	205	0.105	1.03	<3	125	<0.01		1.01	5.2	<.1
SW-5	Sep-01	173	<10	73.4	670	242	5.3	7.91	<0.004	105	46.8	354	<0.1	0.742	<3				<.1	7.5	<.1
SW-5	Dec-01	145	<10	64.2	591	194	4.5	7.07	<0.004	49	36	299	<0.1	0.96	<3				<.1	9.2	<.1
SW-5	Mar-02	73.5	17.7	77.7	422	159	6	7.87	<0.004	9	54.5	279	<0.1	0.704	<3				<.1	10.8	<.1
SW-5	Jun-02	113	<10	49.7	459	142	7.9	7.26	<0.004	96	27.6	279	<0.1	0.815	<3	50	<0.005	<0.01	<.1	8.1	<.1
SW-5	Sep-02	158	<10	80	605	233	5.8	7.09	<0.004	-88.7	76.3	422	<0.1	1.46	<3				1.17	9.2	<.1
SW-5	Dec-02	102	<10	51.8	462	160	4.2	8.26	<0.004	4.6	41.3	266	0.1	1.42	<3				<.1	8.6	<.1
SW-5	Apr-04	105	15	47.4	370	128	5.4	7.84	<0.004	227	18.4	241	<0.10	<.01	<3	<5	<0.005	<0.01	<.1	8.4	<.1
SW-5	Sep-05	193	14.5	79		240	5.57		<0.0100		39.1	446	<1.00	0.946	<4.00	750	<0.0100	<0.010	<.100		<.100
SW-5	Sep-06	120	28	48		150	8.9		<0.010		23	250	<1.0	0.69	<4.0	300	<0.010	<0.01	0.63	9.09	<.10
SW-5	Dec-07	90	18	74	536	150	6.4	7.52	<0.003	233	7.5	280	<0.03	1.1	<4.0	20	<0.01	<0.01	0.63	9.09	<.1

TABLE 15 - HISTORICAL SURFACE WATER ANALYTICAL RESULTS - WATER QUALITY PARAMETERS

Sample Location	Sample Date	ALK (mg/l)	COD (mg/l)	Cl- (mg/l)	Cond (umhos/cm)	Hard (mg/l)	TOC (mg/l)	pH (fld)	Phenols (mg/l)	Eh (mV)	SO4= (mg/l)	TDS (mg/l)	NH3 (mg/l)	NO3- (mg/l)	BOD5 (mg/l)	Color (units)	CN- (mg/l)	Cr+6 (mg/l)	TKN (mg/l)	DO (mg/l)	Bromide (mg/l)
SW-8	Apr-99	97	12	43	404	130	5.2	7.98	<0.002	105	24	230	<0.03	0.6	<4				0.67	8.46	<0.1
SW-8	Jun-99	150	13	52	510	230	5.7	7.97	0.0024	125	27	290	<0.03	0.61	<4				1.1	6.17	<0.1
SW-8	Sep-99	91	34	40	488	200	11	7.68	<0.002	365	91	360	<0.03	1.2	14				0.93	7.41	<0.1
SW-8	Dec-99	78	24	35	4940	200	11	7.45	<0.002	310	100	370	0.1	3.3	4.5	50	<0.01	<0.01	1.6	11.28	<1
SW-8	Apr-00	65.2	24.2	30	300	98.8	6.7	7.45	<0.004	-68	29	188	0.15	1.52	7				<1	9	<1
SW-8	Jun-00	114	23.2	36.4	300	155	9.5	7.62	<0.004	-166	24	231	0.03	0.754	<3				<1	8.1	<1
SW-8	Sep-00	146	10	42.1	573	178	9.5	7.83	<0.004	5	27	273	<0.1	0.924	<3				<1	8.8	<1
SW-8	Dec-00	91.2	23	36.3	386	150	5.5	7.93	<0.004	395	39	190	0.145	1.79	<3				1.67	7.6	<1
SW-8	Mar-01	74.8	<10	39.7	545	102	5.3	7.62	<0.004	-49	24	202	<0.1	1.1	<3				1.69	11	<1
SW-8	Jun-01	92.1	31.3	44.1	369	121	18	7.5	<0.004	162	21.6	209	<0.1	1.2	3	125	<0.01		<1	6	<1
SW-8	Sep-01	175	<10	74.1	753	236	5.5	7.45	<0.004	48	45.6	387	<0.1	0.727	3				<1	7.3	<1
SW-8	Dec-01	147	<10	63.3	647	209	4.4	7	<0.004	69	36	301	<0.1	0.93	<3				<1	8.5	<1
SW-8	Mar-02	73.3	<10	77.6	438	155	6	7.84	<0.004	-22	54.4	276	<0.1	0.72	<3				<1	9.1	<1
SW-8	Jun-02	115	<10	50.4	475	148	8.6	7.66	<0.004	52	27.8	250	<0.1	0.832	<3				<1	8.4	<1
SW-8	Sep-02	166	13.2	77.9	606	233	5.3	7.6	<0.004	-33.5	58.5	406	<0.1	1.54	<3	45	<0.005	<0.01	1.76	9.6	<1
SW-8	Dec-02	106	<10	51.4	526	160	4.8	8.01	<0.004	4.8	43.9	265	<0.1	1.47	<3				<1	8.5	<1
SW-8	Apr-04	86.7	30	47.5	430	130	5.3	7.98	<0.004	215	18.3	170	0.221	<0.1	<3	<5	<0.005	<0.01	<1	8.5	<1
SW-8	Sep-05	189	14.5	80		238	6.16		<0.010		38.4	428	<1.0	0.934	<4.0	200	<0.0100	<0.010	<1.0		<1.00
SW-8	Sep-06	120	30	50		150	7.9		<0.010		22	240	<1.0	0.69	<4.0	200	<0.010				<1.0
SW-8	Dec-07	85	15	71	480	150	6.1	7.75	<0.003	420	8.5	270	<0.03	1.1	<4	30	<0.01	<0.01	0.6	9.01	<0.1
SW-13	Apr-99	95	21	43	390	120	5.2	7.83	<0.002	70	23	230	<0.03	0.58	<4				0.68	9.31	<0.1
SW-13	Jun-99	150	16	53	510	260	5.8	8.25	0.0026	130	26	290	<0.03	0.55	<4				1.4	6.86	<0.1
SW-13	Sep-99	91	31	40	486	200	11	7.57	<0.002	380	91	370	<0.03	1.2	<4				1.1	6.79	<0.1
SW-13	Dec-99	44	29	36	336	110	12	7.52	<0.002	145	40	230	0.03	1.5	<4	60	<0.01	<0.03	0.98	9.5	<1
SW-13	Apr-00	64.9	29.6	30.8	310	98.4	7	7.63	<0.004	-76	30	178	0.117	1.82	7	100	<0.01	<0.01	<1	9.4	<1
SW-13	Jun-00	116	26.6	36.1	325	140	10	7.98	<0.004	-137	20	247	<0.1	0.753	<3				<1	7.9	<1
SW-13	Sep-00	147	<10	42.5	491	172	12	8.14	<0.004	54	28	244	<0.1	1.17	<3				<1	9	<1
SW-13	Dec-00	52.6	<10	30.2	285	96.7	9	7.86	<0.004	111	36	181	<0.1	1.67	<3				1	8	<1
SW-13	Mar-01	75	13.9	40.2	340	111	5	7.8	<0.004	7.8	30	199	<0.1	1.2	<3				<1	11	<1
SW-13	Jun-01	93.7	32.6	43.1	390	127	16	7.86	0.0045	50	21.5	216	<0.1	1.03	3	125	<0.01		1.35	6.8	<1
SW-13	Sep-01	175	<10	71.3	679	235	5.3	8.13	<0.004	105	50.3	362	<0.1	0.678	<3				1.01	7.5	<1
SW-13	Dec-01	144	<10	64.4	376	201	4.5	7.49	<0.004	84	36	305	<0.1	0.96	<3				<1	8.7	<1
SW-13	Mar-02	72.7	<10	77.5	409	142	6.1	8.2	<0.004	10	55.7	266	<0.1	0.729	<3				<1	12.6	<1
SW-13	Jun-02	106	<10	50.1	462	146	8	7.72	<0.004	69	27.4	247	<0.1	0.83	<3				<1	8.6	<1
SW-13	Sep-02	159	<10	76.5	602	234	5.7	8.02	<0.004	-102.2	66.7	404	<0.1	1.38	<3	50	<0.005	<0.01	1.38	9.4	<1
SW-13	Dec-02	53.4	28.8	40.1	377	123	10	7.21	<0.004	0.8	52.7	239	<0.1	0.68	<3				1.45	8.4	<1
SW-13	Apr-04	102	34	49.3	336	122	6.1	8.1	<0.004	264	18.3	172	<0.10	0.53	<3	<5	<0.005	<0.01	<1	8.6	<1
SW-13	Sep-05	187	14.5	82		245	5.75		<0.010		38.8	446	<1.0	1.15	<4.00	750	<0.0100	<0.010	NA	NA	<1
SW-13	Sep-06	89	50	23		140	18		<0.010		48	250	<1.0	0.35	<4.0	400	<0.010	<0.010			<1.0
SW-13	Dec-07	85	59	78	448	150	6.3	7.18	<0.003	325	11	270	0.097	0.98	<4	30	<0.01	<0.01	0.58	10.12	<0.1

*1 - Dependant upon sample temperature and pH (see regs)

TABLE 16 - HISTORICAL SURFACE WATER ANALYTICAL RESULTS - METAL PARAMETERS

Sample Location	Sample Date	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	B (mg/l)	T-Cd (mg/l)	T-Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	T-Fe (mg/l)	T-Pb (mg/l)	T-Mg (mg/l)
<i>Sids and Guild, Values</i>		<i>0.1</i>		<i>0.15</i>			<i>10</i>				<i>0.005</i>		<i>0.3</i>		
SW-3	Apr-99							<0.01	25				0.99	<0.01	5.9
SW-3	Jun-99							<0.01	57				1.5	<0.01	20
SW-3	Sept-99							<0.01	56				1.2	<0.01	14
SW-3	Dec-99			<0.01	<.2	<0.01	<.5	<0.01	57	<0.01	<0.01	<0.01	1.3	<0.01	12
SW-3	Apr-00	0.7	<0.050	<0.002	<0.016	<0.002	<0.048	<0.0050	27.6	<0.010	<0.010	<0.017	0.923	<0.001	7.54
SW-3	Jun-00	0.54						<0.0050	38.5				0.908	0.003	11.8
SW-3	Sep-00							<0.005	45.4				0.751	0.001	14.4
SW-3	Dec-00							<0.005	27.9				0.921	0.002	6.2
SW-3	Mar-01							<0.005	26.8				0.696	0.005	8.27
SW-3	Jun-01	0.493	<0.050	<0.002	0.026	<0.002		<0.005	29.2	<0.010	<0.010	<0.017	1.53	0.013	6.63
SW-3	Sep-01							<0.005	60				0.97	0.005	21.2
SW-3	Dec-01							<0.005	51.4				0.878	<0.001	17.3
SW-3	Mar-02							<0.005	44				0.544	0.001	11.2
SW-3	Jun-02							<0.005	38.9				0.736	0.002	11.5
SW-3	Sep-02	0.909	<0.050	0.002	0.037	<0.002	0.065	<0.005	61.5	<0.010	<0.010	<0.017	1.34	0.007	19.1
SW-3	Dec-02							0.001	33.8				0.386	0.004	9.46
SW-3	Apr-04	0.938	<0.050	0.001	0.019	<0.002	<0.048	<0.001	31.9	<0.002	<0.010	<0.017	1.19	0.001	9.2
SW-3	Sep-05	0.152	<0.0044	<0.0031	0.0405	<0.0004	0.0598	<0.0008	64	0.0013	<0.0019	0.0031	0.248	<0.0019	23.7
SW-3	Dec-07	0.12	<0.01	0.013	<0.2	<0.01	<0.5	<0.01	41	<0.01	<0.01	<0.01	0.36	<0.01	12
SW-5	Apr-99							<0.01	33				0.64	<0.01	11
SW-5	Jun-99							<0.01	58				1.3	<0.01	20
SW-5	Sept-99							<0.01	56				1.5	<0.01	14
SW-5	Dec-99	0.84	<0.01	<0.01	<.2	<0.01	<.5	<0.01	60	<0.01	<0.01	<0.01	1.54	<0.01	13
SW-5	Apr-00	0.572	<0.050	<0.002	<0.016	<0.002	<0.048	<0.0050	27.5	<0.010	<0.010	<0.017	0.997	0.002	7.55
SW-5	Jun-00							<0.0050	38.1				0.861	0.006	11.7
SW-5	Sep-00							<0.005	45.4				0.637	0.002	14.3
SW-5	Dec-00							<0.005	52.4				0.17	0.013	15.1
SW-5	Mar-01							<0.005	28				0.38	0.002	8.79
SW-5	Jun-01	0.941	<0.050	0.003	0.022	<0.002		<0.005	33.3	<0.010	<0.010	<0.017	1.82	0.006	9.97
SW-5	Sep-01							<0.005	61.4				0.785	0.005	21.6
SW-5	Dec-01							<0.005	49.8				0.933	<0.001	17
SW-5	Mar-02							<0.005	44.8				0.854	0.001	11.4
SW-5	Jun-02							<0.005	38.2	<0.010	<0.0100	<0.017	0.745	0.002	11.4
SW-5	Sep-02	0.834	<0.050	0.002	0.038	<0.002	0.066	<0.005	61.4	<0.010	<0.010	<0.017	1.17	0.006	19.3
SW-5	Dec-02							<0.001	41.7	<0.002	<0.010	<0.017	0.354	<0.001	13.6
SW-5	Apr-04	0.747	<0.050	0.001	0.018	<0.002	<0.048	<0.001	34.4	<0.002	<0.010	<0.017	0.939	<0.001	10.3
SW-5	Sep-05	0.241	<0.0044	<0.0031	0.0377	<0.0004	0.0523	<0.0008	59.8	<0.0009	<0.0019	0.003	0.285	<0.0019	22.2
SW-5	Sep-06	0.24	<0.060	<0.005	0.2	<0.005	<0.050	<0.005	39	<0.010	<0.050	<0.025	0.82	<0.005	14
SW-5	Dec-07	0.13	<0.01	0.014	<0.2	<0.01	<0.5	<0.01	40	<0.01	<0.01	<0.01	0.35	<0.01	11

TABLE 16 - HISTORICAL SURFACE WATER ANALYTICAL RESULTS - METAL PARAMETERS

Sample Location	Sample Date	Al (mg/l)	Sb (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	B (mg/l)	T-Cd (mg/l)	T-Ca (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	T-Fe (mg/l)	T-Pb (mg/l)	T-Mg (mg/l)
Sds and Grd. Values		0.1		0.15			10				0.005		0.3		
SW-8	Apr-99							<0.01	33				0.67	<0.01	11
SW-8	Jun-99							<0.01	59				1	<0.01	20
SW-8	Sept-99							<0.01	55				1.1	<0.01	14
SW-8	Dec-99		<0.01	<0.01	<.2	<0.01	<0.01	<0.01	58	<0.01	<0.01	<0.01	2	<0.01	13
SW-8	Apr-00	0.854	<0.050	<0.002	0.017	<0.002	<0.048	<0.0050	27.1	<0.010	<0.010	<0.017	1.13	<0.001	7.57
SW-8	Jun-00							<0.0050	41.1				0.981	0.004	12.6
SW-8	Sep-00							<0.005	46.8				0.655	0.001	14.8
SW-8	Dec-00							<0.005	41.7				3.13	0.005	12.3
SW-8	Mar-01							<0.005	26.8				0.505	0.001	8.44
SW-8	Jun-01	0.532	<0.050	0.003	0.019	<0.002		<0.005	32.6	<0.010	<0.010	<0.017	1.25	0.002	9.61
SW-8	Sep-01							<0.005	59.7				0.629	0.01	21.2
SW-8	Dec-01							<0.005	54.2				1.06	0.001	18
SW-8	Mar-02							<0.005	43.6				0.658	<0.001	11.3
SW-8	Jun-02							<0.005	39.7				0.692	0.002	11.8
SW-8	Sep-02	0.774	<0.050	0.002	0.037	<0.002	0.053	<0.005	60.6	<0.010	<0.0100	<0.017	1.4	0.002	19.8
SW-8	Dec-02							<0.001	42				0.556	<0.001	13.3
SW-8	Apr-04	0.881	<0.050	0.001	0.019	<0.002	0.053	<0.001	34.7	<0.002	<0.010	<0.017	1.05	<0.001	10.5
SW-8	Sep-05	0.396	0.0063	<0.0031	0.0368	<0.0004	0.0502	<0.0008	59.2	0.0011	<0.0019	0.0021	0.196	<0.0019	22
SW-8	Sep-06	0.94	<0.060	<0.005	<0.200	<0.005	<0.050	<0.005	39	<0.010	<0.050	<0.025	1.5	<0.005	14
SW-8	Dec-07	0.12	<0.01	0.014	<0.2	<0.01	<0.5	<0.01	40	<0.01	<0.01	<0.01	0.34	<0.01	12
SW-13	Apr-99							<0.01	31				0.99	<0.01	10
SW-13	Jun-99							<0.01	67				8.2	0.014	21
SW-13	Sept-99							<0.01	56				1.2	<0.01	14
SW-13	Dec-99	0.42	<0.01	<0.01	<.2	<0.01	<.5	<0.01	33	<0.01	<0.01	<0.01	0.98	<0.01	7.3
SW-13	Apr-00	0.991	<0.050	<0.002	0.017	<0.002	0.052	<0.0050	27.2	<0.010	<0.010	<0.017	1.26	0.001	7.4
SW-13	Jun-00							<0.0050	37.3				0.86	0.01	11.4
SW-13	Sep-00							<0.05	45.4				0.557	0.001	14.3
SW-13	Dec-00							<0.005	28.1				1.08	<0.001	6.44
SW-13	Mar-01							<0.005	29.2				1.63	0.01	9.2
SW-13	Jun-01	0.503	<0.050	0.003	0.019	<0.002		<0.005	34.4	<0.010	<0.010	<0.017	1.36	0.005	10.1
SW-13	Sep-01							<0.005	59.4				1.05	0.006	21
SW-13	Dec-01							<0.005	52.2				0.589	<0.001	17.1
SW-13	Mar-02							<0.005	40				0.561	0.001	10.2
SW-13	Jun-02							<0.005	39.3				0.722	0.002	11.7
SW-13	Sep-02	0.499	<0.050	0.002	0.035	<0.002	0.073	<0.005	62	<0.010	<0.0100	<0.017	0.794	0.003	19.2
SW-13	Dec-02							<0.001	34.9	<0.002	<0.010	<0.017	0.292	<0.001	8.76
SW-13	Apr-04	0.347	<0.050	<0.001	0.018	<0.002	0.064	<0.001	32.9	<0.002	<0.010	<0.017	0.591	0.001	9.7
SW-13	Sep-05	0.143	0.0088	0.0064	0.0391	<0.0004	0.0781	<0.0008	60.7	0.0013	<0.0019	0.0053	0.36	<0.0019	22.7
SW-13	Sep-06	0.29	<0.060	<0.005	<0.200	<0.005	<0.050	<0.005	43	<0.010	<0.050	<0.025	1.3	<0.005	9.4
SW-13	Dec-07	0.15	<0.01	0.014	<0.2	<0.01	<0.5	<0.01	40	<0.01	<0.01	<0.01	0.37	<0.01	11

TABLE 16 - HISTORICAL SURFACE WATER ANALYTICAL RESULTS - METAL PARAMETERS

Sample Location	Sample Date	T-Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	T-K (mg/l)	Se (mg/l)	Ag (mg/l)	T-Na (mg/l)	Tl (mg/l)	V (mg/l)	Zn (mg/l)
Sds and Cind. Values			0.00077			0.00046	0.0001		0.008	0.014	
SW-3	Apr-99	0.098			1.5			15			
SW-3	Jun-99	0.2			2.7			37			
SW-3	Sept-99	0.14			2.6			23			
SW-3	Dec-99	0.2	<.0002	<0.01	3.1	0.071	<0.01	16	0.016	<0.01	0.026
SW-3	Apr-00	0.051	<0.0002	<0.012	1.54	<0.002	<0.010	15.1	<0.001	<0.010	<0.020
SW-3	Jun-00	0.105			1.62			19.8			
SW-3	Sept-00	0.106			2.67			22.3			
SW-3	Dec-00	0.113			2.25			14.9			
SW-3	Mar-01	0.044			1.41			18.4			
SW-3	Jun-01	0.163	<0.0002	<0.012	1.75	<0.002	<0.010	19	<0.001	<0.010	<0.020
SW-3	Sept-01	0.135			3.4			38			
SW-3	Dec-01	0.122			3.11			32.1			
SW-3	Mar-02	0.099			1.75			30.2			
SW-3	Jun-02	0.099			1.78			24.6			
SW-3	Sept-02	0.148	<0.0002	<0.012	4.32	<0.001	<0.010	36.6	<0.001	<0.010	0.029
SW-3	Dec-02	0.065			4.38			19			
SW-3	Apr-04	0.118	<0.0002	<0.012	2.11	<0.001	<0.010	22	<0.001	<0.010	<0.020
SW-3	Sept-05	0.211	<0.00016	<0.0023	5.45	<0.0039	<0.0011	39.8	<0.0029	<0.002	0.0058
SW-3	Dec-07	0.078	<0.0002	<0.01	2.5	0.085	<0.01	40	<0.01	<0.01	0.013
SW-5	Apr-99	0.063			1.6			20			
SW-5	Jun-99	0.16			2.7			34			
SW-5	Sept-99	0.17			2.7			23			
SW-5	Dec-99	0.22	<.0002	<0.01	3.2	0.075	<0.01	16	0.023	<0.01	<0.028
SW-5	Apr-00	0.055	<0.0002	<0.012	1.56	<0.002	<0.010	15	<0.001	<0.010	<0.020
SW-5	Jun-00	0.102			1.61			19.6			
SW-5	Sept-00	0.102			2.62			22			
SW-5	Dec-00	0.674			3.06			18.4			
SW-5	Mar-01	0.078			1.35			18.2			
SW-5	Jun-01	0.136	0.0002	<0.012	2.44	<0.002	<0.010	19.6	<0.001	<0.010	<0.020
SW-5	Sept-01	0.109			3.52			38.6			
SW-5	Dec-01	0.124			3.08			31.7			
SW-5	Mar-02	0.113			1.86			30.9			
SW-5	Jun-02	0.098			1.66			24.1			
SW-5	Sept-02	0.176	<0.0002	<0.012	4.41	<0.001	<0.010	37	<0.001	<0.010	0.026
SW-5	Dec-02	0.077			2.04			23.9			
SW-5	Apr-04	0.09	<0.0002	<0.012	1.82	<0.001	<0.010	23	<0.001	<0.010	<0.020
SW-5	Sept-05	0.211	<0.00016	<0.0023	4.98	<0.0039	0.0021	37.1	<0.0029	<0.002	0.0044
SW-5	Sept-06	0.093	<0.0002	<0.040	<5	<0.010	<0.010	25	<0.010	<0.050	<0.020
SW-5	Dec-07	0.076	<0.0002	<0.01	2.4	0.077	<0.01	41	<0.01	<0.01	0.013

TABLE 16 - HISTORICAL SURFACE WATER ANALYTICAL RESULTS - METAL PARAMETERS

Sample Location	Sample Date	T-Mn (mg/l)	Hg (mg/l)	Ni (mg/l)	T-K (mg/l)	Se (mg/l)	Ag (mg/l)	T-Na (mg/l)	Tl (mg/l)	V (mg/l)	Zn (mg/l)
Stats and Guid. Values			0.00077	*		0.00046	0.0001		0.003	0.014	*
SW-8	Apr-99	0.065			1.6			20			
SW-8	Jun-99	0.14			2.7			35			
SW-8	Sept-99	0.15			2.6			23			
SW-8	Dec-99	0.28	< .0002	< 0.01	< 0.01	0.042	< 0.01	15	< 0.01	< 0.01	0.033
SW-8	Apr-00	0.052	< 0.0002	< 0.012	1.65	< 0.002	< 0.010	15	< 0.001	< 0.010	< 0.020
SW-8	Jun-00	0.127			1.68			21.1			
SW-8	Sept-00	0.098			2.61			22.5			
SW-8	Dec-00	0.243			2.33			19.3			
SW-8	Mar-01	0.044			1.2			18.2			
SW-8	Jun-01	0.092	< 0.0002	< 0.012	2.23	< 0.002	< 0.010	19.1	< 0.001	< 0.010	< 0.020
SW-8	Sept-01	0.155			3.34			37.7			
SW-8	Dec-01	0.135			3.21			33			
SW-8	Mar-02	0.097			1.8			30.9			
SW-8	Jun-02	0.096			1.77			24.9			
SW-8	Sept-02	0.156	< 0.0002	< 0.012	4.5	< 0.001	< 0.010	38.1	< 0.001	< 0.010	0.025
SW-8	Dec-02	0.079			1.91			23.2			
SW-8	Apr-04	0.096	< 0.0002	< 0.012	1.95	< 0.001	< 0.010	23.3	< 0.001	< 0.010	< 0.020
SW-8	Sept-05	0.191	< 0.00016	< 0.0023	4.92	< 0.0039	0.0015	37.2	< 0.0029	< 0.002	0.0345
SW-8	Sept-06	0.11	< 0.0002	< 0.040	< 5	< 0.010	< 0.010	24	< 0.010	< 0.050	< 0.020
SW-8	Dec-07	0.076	< 0.0002	< 0.01		0.079	< 0.01	40	< 0.01	< 0.01	0.014
SW-13	Apr-99	0.06			1.5			17			
SW-13	Jun-99	1			3.2			37			
SW-13	Sept-99	0.15			2.6			23			
SW-13	Dec-99	0.13	< .0002	< 0.01	2.4	0.059	< 0.01	18	0.022	< 0.01	0.012
SW-13	Apr-00	0.058	< 0.0002	< 0.012	1.75	< 0.002	< 0.010	15.3	< 0.001	< 0.010	0.149
SW-13	Jun-00	0.098			1.65			19.4			
SW-13	Sept-00	0.095			2.51			21.8			
SW-13	Dec-00	0.111			2.18			14.9			
SW-13	Mar-01	0.123			1.22			18.4			
SW-13	Jun-01	0.103	< 0.0002	< 0.012	2.36	< 0.002	< 0.010	20	< 0.001	< 0.010	0.022
SW-13	Sept-01	0.134			3.43			37.6			
SW-13	Dec-01	0.123			2.98			30.9			
SW-13	Mar-02	0.09			1.6			27.1			
SW-13	Jun-02	0.094			1.71			24.8			
SW-13	Sept-02	0.138	< 0.0002	< 0.012	4.18	< 0.001	< 0.010	37	< 0.001	< 0.010	< 0.020
SW-13	Dec-02	0.048			1.86			18.5			
SW-13	Apr-04	0.092	< 0.0002	< 0.012	2.02	< 0.001	< 0.010	22.3	< 0.001	< 0.010	< 0.020
SW-13	Sept-05	0.216	< 0.00016	< 0.0023	5.22	< 0.0039	0.0012	37.9	< 0.0029	< 0.002	0.006
SW-13	Sept-06	0.29	< 0.0002	< 0.040	< 5.0	< 0.050	< 0.010	16	< 0.010	< 0.050	< 0.020
SW-13	Dec-07	0.076	< 0.0002	< 0.01	2.5	0.082	< 0.01	41	< 0.01	< 0.01	0.013

TABLE 17 - HISTORICAL LEACHATE ANALYTICAL DATA

Sample Location	Sample Date	Temp (C)	ALK (mg/l)	COD (mg/l)	Cl- (mg/l)	Cond (umhos/cm)	Hard (mg/l)	TOC (mg/l)	pH (field) (S.U.)	Phenols (mg/l)	Eh (mV)	SO4= (mg/l)	Turbidity (NTU)	TDS (mg/l)	NH3 (mg/l)	NO3- (mg/l)	BOD5 (mg/l)	Color (units)	CN- (mg/l)	Cr+6 (mg/l)	TKN (mg/l)	Bromide (mg/l)
MH-7	Jan-99	13.1	3500	790	1900	12800	710	280	6.38	0.019	0	39	22	5000	550	0.13	58				560	29
MH-7	Feb-99	14.6	3500	200	1600	11700	870	260	7.31	0.031	<-55	44	93	4900	620	0.14	68				840	620
MH-7	Apr-99	17.2	3500	1000	1700	11800	650	320	6.59	0.022	-25	180	45	5000	610	0.11	64				660	19
MH-7	Dec-99	11.5	3500	770	1800	1200	710	240	8.45	0.026	20	17	70	5000	720	0.17	60	400	0.014	<0.03	720	18
MH-7	Apr-00	12.6	3570	3330	1810	11000	758	310	6.91	0.019	-132	78	190	4820	548	0.184	130	1000	<0.01	<0.01	603	2.04
MH-7	Jan-00	15	3350	1900	1770	8000	733	330	7.17	0.057	-137	55	32.2	4740	315	<0.05	77				599	<1
MH-7	Mar-00	15.5	3340	2270	1860	10480	1130	340	7.19	0.0344	-88	30	650	4670	419	0.105	150				639	<1
MH-7	Dec-00	8.8	3080	1040	1760	10980	1820	320	6.98	0.0504	-22	63	130	4740	477	0.108	96				693	<1
MH-7	Mar-00	11.6	3620	1220	1960	10550	678	390	7.08	0.0478	-84	64	370	4380	535	0.101	68				694	17
MH-7	Jan-01	16.3	2870	1580	1640	1001	935	401	7.07	0.0487	-129	120	>1700	896	0.102	<0.1	150	2000	<0.01	<0.01	881	14
MH-7	Mar-01	17.2	3810	1220	2.84	1017	868	240	7.05	0.0644	-101	55.7	109.6	4410	534	<0.1	320				597	16.6
MH-7	Dec-01	10	3100	1500	1790	10610	730	280	6.86	0.0437	-89	25.6	806	3700	589	<0.1	55				555	<1
MH-7	Mar-02	8	3330	4620	2050	9320	532	1320	7.91	0.0651	37	34.6	168	4070	519	<0.1	50				548	17.1
MH-7	Jan-02	16.7	3250	1380	582	10170	653	192	6.89	0.0677	-75	108	35	3680	523	<0.1	38				561	13.8
MH-7	Mar-02	17.1	3360	1150	793	8800	656	526	7.15	0.0602	-273	25.5	65	4580	583	0.108	71	600	0.0098	<0.01	596	14.7
MH-7	Mar-03	9.6	3260	991	1200	10100	635	550	7.18	0.0948	6.5	31.1	90	4510	580	<0.1	60				577	9.66
MH-7	Mar-03	10.8	1720	1620	1710	8890	776	196	7.21	0.014	-91	255	530	4270	492	<0.1	49	150	<0.005	<0.0025	528	12.1
MH-7	Mar-03		1990	450	1300		626	188		0.073		161		3310	45.6	<0.200	>42.8	500	<0.0100	<0.010	570	<1.00
MH-7	Mar-03	12.7	<5.0	1	1400	273	730	250	7.12	0.058	0	51	39.6	3700	430	3.4	42	400	<0.010	<0.20	N/A	<1.0
MH-7	Mar-07	8.9	2700		1100	9100	860	230	7.26	0.021	110	140	331	3800	480	<0.1	50	800	<0.01	<0.01	470	19

Sample Location	Sample Date	Temp (C)	ALK (mg/l)	COD (mg/l)	Cl- (mg/l)	Cond umhos/cm	Hard (mg/l)	TOC (mg/l)	pH (field) (S.U.)	Phenols (mg/l)	Eh (mV)	SO4= (mg/l)	Turbidity (NTU)	TDS (mg/l)	NH3 (mg/l)	NO3- (mg/l)	BOD5 (mg/l)	Color (units)	CN- (mg/l)	Cr+6 (mg/l)	TKN (mg/l)	Bromide (mg/l)
MH-15	Jan-05	8.5	2600	670	980	7720	780	200	6.75	0.02	0	370	130	3700	390	<0.02	82				410	6
MH-15	Jan-05	16.4	1900	200	1200	9200	840	240	7.69	0.016	<-55	250	39	4200	440	0.068	84				480	8.3
MH-15	Jan-05	18.3	3000	820	840	7500	790	250	6.55	0.015	-15	180	246	3500	430	<0.02	88				360	6.1
MH-15	Jan-05	8.8	3600	780	1200	1010	750	250	8.44	0.014	125	27	108	4600	610	0.061	110	500	0.038	<0.04	630	9.6
MH-15	Jan-05	11.1	3030	1680	962	8500	719	25	6.8	0.007	-140	110	25	3510	371	<0.05	97	450	<0.01	<0.01	401	<1
MH-15	Jan-05	17.4	2210	760	647	4500	613	170	7.03	0.059	-244	50	35.2	2510	163	<0.05	61				289	<1
MH-15	Jan-05	15.9	3500	1160	1210	8850	740	320	7.31	0.0835	-79	51	36	4200	437	0.342	43				548	<1
MH-15	Jan-05	3.4	3000	833	920	7730	760	320	7.26	0.0625	-17	61	37	3470	360	0.05	49				461	<1
MH-15	Jan-05	4.1	2010	498	560	4490	579	131	6.88	0.0573	-41	55	22	2120	202	0.134	35				453	3.31
MH-15	Jan-05	15.7	2830	721	912	6840	681	262	7.02	0.0394	-84	88.7	19	664	<0.100	0.408	60	300	<0.01	<0.01	356	6
MH-15	Jan-05	21.9	4050	1250	1160	10290	746	810	7.71	0.043	-19	151		4980	606	<0.1	69				598	10
MH-15	Jan-05	10.6	4510	1390	1840	11800	832	1100	7.53	0.0709	-28	96.2	19.8	4900	707	2.55	64				1220	<1
MH-15	Jan-05	7.1	3850	4260	1250	9870	782	1500	7.24	0.069	-12	122	144	4020	550	<0.1	73				536	9.17
MH-15	Jan-05	28.6	3770	1040	441	6590	527	296	7.86	0.0462	-107	96.4	16.5	2800	318	<0.1	<24				341	6.04
MH-15	Jan-05	17.3	4330	1030	1090	9400	787	580	7.93	0.115	-187.3	50.8	22	5460	576	2.94	81	700	0.0188	<0.01	599	8.94
MH-15	Jan-05	8.2	2710	780	485	6470	648	450	7.3	0.0547	-85	50.9	35	2860	335	<0.1	66				375	6.7
MH-15	Jan-05	8.2	783	397	310	3390	660	98	6.94	0.009	57	50.7	114	1680	314	0.18	36	20	<0.005	<0.0025	179	2.9
MH-15	Jan-05	13.8	760	220	240	282	600	61	6.94	<0.010	1244	17	149	1300	93	<0.25	22	200	<0.010	<0.20	N/A	<1.0
MH-15	Dec-07	9	980	190	260	2580	580	64	6.23	<0.003	505	26	177	1100	110	0.51	39	500	<0.01	0.011	100	1.7

TABLE 17 - HISTORICAL LEACHATE ANALYTICAL DATA

Sample Location	Sample Date	B (mg/l)	T-Cd (mg/l)	T-Ca (mg/l)	T-Fe (mg/l)	T-Pb (mg/l)	T-Mg (mg/l)	T-Mn (mg/l)	T-K (mg/l)	T-Na (mg/l)	Al (mg/l)	Sb (mg/l)	As (mg/l)	Be (mg/l)	Ba (mg/l)	Cr (mg/l)	Cu (mg/l)	Ni (mg/l)	Se (mg/l)	Ag (mg/l)	Ti (mg/l)	Zn (mg/l)	Co (mg/l)	V (mg/l)	Hg (mg/l)
MH-7	Jan-00		<0.01	87	23	0.012	120	0.4	320	1200															
MH-7	Feb-00		<0.01	110	26	0.015	140	0.52	390	1700															
MH-7	Mar-00		<0.01	90	15	<0.01	100	0.3	410	1400															
MH-7	Apr-00	4.4	0.016	86	3.1	<0.01	110	0.34	310	1100	<0.1	<0.01	0.011	<0.01	<0.2	0.016	<0.01	0.16	<0.01	<0.01	0.019	0.032	0.033	0.012	<0.0002
MH-7	May-00	3.83	<0.005	109	28.5	0.008	118	0.57	359	1380	3.13	<0.05	0.005	<0.002	0.226	0.022	<0.017	0.159	<0.002	<0.01	<0.001	0.041	0.041	0.024	<0.0002
MH-7	Jun-00		<0.005	104	17.3	0.005	115	0.413	353	1350															
MH-7	Jul-00		<0.1	254	273	0.07	120	3.84	342	1250															
MH-7	Dec-00		0.059	483	615	<0.001	148	7.2	346	1240															
MH-7	Dec-01		<0.005	105	32.2	0.01	101	0.647	287	1080															
MH-7	Jan-01	3.29	0.005	188	216	0.039	113	4.03	296	1080	38	<0.050	0.059	0.002	0.991	0.097	0.199	0.238	<0.002	<0.010	<0.001	0.484	0.071	0.142	0.0004
MH-7	Mar-01		0.007	163	130	0.052	112	1.74	319	1200															
MH-7	Dec-01		<0.005	119	45.9	0.004	105	0.728	310	1230															
MH-7	Mar-02		<0.005	70.3	11.3	0.002	105	0.126	298	1190															
MH-7	Jun-02		<0.005	99.8	13.8	0.007	98.1	0.351	294	1000															
MH-7	Aug-02	3.65	<0.005	99.6	13.8	0.007	98.9	0.337	291	1120	0.381	<0.050	0.016	<0.002	0.183	0.02	<0.017	0.135	0.005	<0.010	<0.001	0.045	0.035	0.013	<0.0002
MH-7	Jan-03		<0.001	93	10.4	0.005	97.7	0.309	301	1130															
MH-7	Mar-03	2.81	<0.001	150	20.1	0.004	97.3	1.12	243	983	<0.1	<0.050	0.016	<0.002	0.12	0.011	0.023	0.134	0.01	<0.010	<0.001	0.022	0.027	0.012	<0.0002
MH-7	Apr-04	2.85	0.001	119	39	0.0108	79.9	0.656	216	42	1.24	0.0105	0.045	<0.003	0.326	0.0062	0.0032	0.0966	<0.0039	<0.0011	<0.0023	0.022	0.0272	0.0064	<0.00016
MH-7	Aug-04	3.1	<0.005	150	12	<0.005	88	4.3	400	1100	<0.200	<0.060	0.017	<0.005	<0.200	0.012	<0.025	0.089	<0.010	<0.010	<0.010	<0.020	<0.050	<0.050	<0.0002
MH-7	Dec-07	3.2	<0.01	170	29	<0.01	110	0.51	237	900	0.19	<0.01	0.059	<0.01	0.25	0.011	<0.01	0.098	0.46	<0.01	<0.01	0.021	0.019	<0.01	<0.0002

TABLE 17 - HISTORICAL LEACHATE ANALYTICAL DATA

Sample Location	Sample Date	B (mg/l)	T-Cd (mg/l)	T-Ca (mg/l)	T-Fe (mg/l)	T-Pb (mg/l)	T-Mg (mg/l)	T-Mn (mg/l)	T-K (mg/l)	T-Na (mg/l)	Al (mg/l)	Sb (mg/l)	As (mg/l)	Be (mg/l)	Ba (mg/l)	Cr (mg/l)	Cu (mg/l)	Ni (mg/l)	Se (mg/l)	Ag (mg/l)	Tl (mg/l)	Zn (mg/l)	Co (mg/l)	V (mg/l)	Hg (mg/l)
MH-15	Aug-09		<0.01	170	15	<0.01	89	3.2	230	750															
MH-15	Dec-09		<0.01	130	13	0.033	120	1.6	350	1300															
MH-15	Aug-09		<0.01	170	15	<0.01	86	1.1	240	730															
MH-15	Dec-09	5.2	<0.01	140	3.6	<0.01	110	0.69	310	1000	<0.1	<0.01	<0.01	<0.01	0.46	0.038	<0.01	<0.01	0.14	<0.01	<0.01	0.043	0.026	0.019	<0.0002
MH-15	Aug-09	3.51	<0.005	141	13.3	0.002	89.1	1.09	263	848	<0.075	<0.05	0.015	<0.002	0.299	0.031	<0.017	0.106	<0.002	<0.01	<0.001	0.013	0.023	0.013	<0.0002
MH-15	Dec-09		<0.005	135	5.46	0.005	67.1	0.86	171	613															
MH-15	Aug-09		<0.005	134	1.79	0.012	98.4	1.22	327	1030															
MH-15	Dec-09		<0.005	157	4.71	0.01	89.3	0.948	247	785															
MH-15	Aug-09		<0.005	136	6.36	0.012	58.2	1.13	141	449															
MH-15	Dec-09	3.08	<0.005	140	6.43	0.002	80.6	1.15	219	691	0.089	<0.050	0.018	<0.002	0.272	0.023	<0.017	0.091	<0.002	<0.010	<0.001	0.021	0.016	0.011	<0.0002
MH-15	Aug-09		<0.005	109	1.34	0.014	115	0.748	387	1270															
MH-15	Dec-09		<0.005	117	2.66	<0.001	131	0.67	432	1370															
MH-15	Aug-09		<0.005	140	16.2	0.007	105	1.33	313	1160															
MH-15	Dec-09		<0.005	92.8	4.35	0.004	71.8	0.667	203	623															
MH-15	Aug-09	5.26	<0.005	129	10.2	0.009	113	1.08	353	1180	0.493	<0.050	0.028	<0.002	0.336	0.042	0.019	0.151	0.004	<0.010	<0.001	0.048	0.027	0.018	<0.0002
MH-15	Dec-09		<0.001	134	6.49	0.005	76.2	1.23	203	703															
MH-15	Aug-09	1.39	<0.001	179	52.8	0.002	51.8	2.27	94.3	318	0.151	0.05	0.033	<0.002	0.361	0.017	0.023	0.055	<0.005	<0.010	<0.001	<0.020	0.011	0.02	<0.0002
MH-15	Dec-09	0.94	<0.005	170	5.6	<0.005	41	3	76	250	0.2	<0.060	0.0082	<0.005	<0.200	<0.010	<0.025	<0.040	<0.010	<0.010	<0.010	<0.020	<0.050	<0.0002	
MH-15	Aug-09	0.95	<0.01	160	26	<0.01	41	2.8	62	190	0.28	<0.01	0.028	<0.01	<0.2	<0.01	<0.01	0.02	0.41	<0.01	<0.01	0.014	<0.01	<0.01	<0.0002

APPENDIX A

LABORATORY ANALYTICAL REPORT



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Orange County\
104007014 Landfill\2007 mon.\
2007 summary tables.

Laboratory Analysis Report

For

C&S Engineers, Inc.

Client Project ID:

Orange County Landfill

LSL Project ID: **0721017**

Receive Date/Time: 12/18/07 19:49

Project Received by: GS

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This report was reviewed by:

Life Science Laboratories, Inc.

Date:

1/24/08

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID:	MW-245-S	LSL Sample ID:	0721017-001
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Location:

Sampled: 12/18/07 12:15	Sampled By: EB
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Sample Matrix: NPW

Analytical Method		Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units		

(1) EPA 200.7 Soluble Metals

Potassium	2.0	mg/l	12/20/07	1/2/08	DP
Iron	0.15	mg/l	12/20/07	1/2/08	DP
Manganese	1.3	mg/l	12/20/07	1/2/08	DP
Magnesium	33*	mg/l	12/20/07	1/18/08	DP
Lead	<0.01	mg/l	12/20/07	1/2/08	DP
Cadmium	<0.01	mg/l	12/20/07	1/2/08	DP
Aluminum	<0.1	mg/l	12/20/07	1/2/08	DP
Calcium	150*	mg/l	12/20/07	1/18/08	DP
Antimony	<0.01	mg/l	12/20/07	1/2/08	DP
Arsenic	0.016	mg/l	12/20/07	1/2/08	DP
Beryllium	<0.01	mg/l	12/20/07	1/2/08	DP
Barium	<0.2	mg/l	12/20/07	1/2/08	DP
Chromium	<0.01	mg/l	12/20/07	1/2/08	DP
Copper	<0.01	mg/l	12/20/07	1/2/08	DP
Nickel	<0.01	mg/l	12/20/07	1/2/08	DP
Selenium	0.32	mg/l	12/20/07	1/2/08	DP
Silver	<0.01**	mg/l	12/20/07	1/2/08	DP
Thallium	<0.01	mg/l	12/20/07	1/2/08	DP
Zinc	0.031	mg/l	12/20/07	1/2/08	DP
Cobalt	<0.01	mg/l	12/20/07	1/2/08	DP
Vanadium	<0.01	mg/l	12/20/07	1/2/08	DP
Sodium	20**	mg/l	12/20/07	1/2/08	DP

(1) EPA 200.7 Total Hardness as CaCO3

Hardness, Total	590	mg/l	12/20/07	1/21/08	DP
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(1) EPA 200.7 Total Metals

Boron	<0.5	mg/l	12/20/07	1/2/08	DP
Potassium	5.0	mg/l	12/20/07	1/2/08	DP
Sodium	21**	mg/l	12/20/07	1/2/08	DP
Iron	21	mg/l	12/20/07	1/2/08	DP
Manganese	2.1	mg/l	12/20/07	1/2/08	DP
Magnesium	42*	mg/l	12/20/07	1/18/08	DP
Lead	0.023	mg/l	12/20/07	1/2/08	DP
Cadmium	<0.01	mg/l	12/20/07	1/2/08	DP
Aluminum	10	mg/l	12/20/07	1/2/08	DP
Calcium	170*	mg/l	12/20/07	1/18/08	DP
Antimony	<0.01	mg/l	12/20/07	1/2/08	DP
Arsenic	0.10	mg/l	12/20/07	1/2/08	DP
Beryllium	<0.01	mg/l	12/20/07	1/2/08	DP
Barium	<0.2	mg/l	12/20/07	1/2/08	DP
Chromium	0.016	mg/l	12/20/07	1/2/08	DP
Copper	0.033	mg/l	12/20/07	1/2/08	DP
Nickel	0.024	mg/l	12/20/07	1/2/08	DP
Selenium	0.43	mg/l	12/20/07	1/2/08	DP
Silver	<0.01**	mg/l	12/20/07	1/2/08	DP
Thallium	<0.01	mg/l	12/20/07	1/2/08	DP
Zinc	0.076	mg/l	12/20/07	1/2/08	DP

-- LABORATORY ANALYSIS REPORT --

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-245-S LSL Sample ID: 0721017-001

Location:

Sampled: 12/18/07 12:15 Sampled By: EB

Sample Matrix: NPW

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA 200.7 Total Metals					
Cobalt	<0.01	mg/l	12/20/07	1/2/08	DP
Vanadium	0.011	mg/l	12/20/07	1/2/08	DP
(1) EPA 245.1 Mercury					
Mercury	<0.0002	mg/l	12/27/07	12/28/07	DP
(1) EPA 245.1 Soluble Mercury					
Mercury	<0.0002	mg/l	12/27/07	12/28/07	DP
(1) EPA 335.4 Total Cyanide					
Cyanide, Total	<0.01	mg/l	12/21/07	12/21/07	DRB
(1) EPA 350.2 Ammonia					
Ammonia as N	<0.03	mg/l		1/8/08	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	0.28***	mg/l	1/8/08	1/10/08	DRB
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	<4	mg/l		12/19/07 17:33	MM/TE R
(1) EPA 420.1 Recoverable Phenolics LL					
Phenolics, Total Recoverable	<0.003	mg/l	12/20/07	1/8/08	TER
(1) EPA 8260B TCL Volatiles (Modified)					
Acetone	<10	ug/l		12/26/07	BD
Acrylonitrile	<20	ug/l		12/26/07	BD
Benzene	<1	ug/l		12/26/07	BD
Bromochloromethane	<1	ug/l		12/26/07	BD
Bromodichloromethane	<1	ug/l		12/26/07	BD
Bromoform	<1	ug/l		12/26/07	BD
Bromomethane	<1	ug/l		12/26/07	BD
2-Butanone (MEK)	<10	ug/l		12/26/07	BD
Carbon disulfide	<1	ug/l		12/26/07	BD
Carbon tetrachloride	<1	ug/l		12/26/07	BD
Chlorobenzene	<1	ug/l		12/26/07	BD
Chloroethane	<1	ug/l		12/26/07	BD
Chloromethane	<1	ug/l		12/26/07	BD
Chloroform	<1	ug/l		12/26/07	BD
Dibromochloromethane	<1	ug/l		12/26/07	BD
1,2-Dibromo-3-chloropropane	<1	ug/l		12/26/07	BD
1,2-Dibromochloroethane (EDB)	<1	ug/l		12/26/07	BD
Dibromomethane	<1	ug/l		12/26/07	BD
1,2-Dichlorobenzene	<1	ug/l		12/26/07	BD
1,4-Dichlorobenzene	<1	ug/l		12/26/07	BD
trans-1,4-Dichloro-2-butene	<5	ug/l		12/26/07	BD
1,1-Dichloroethane	<1	ug/l		12/26/07	BD
1,2-Dichloroethane	<1	ug/l		12/26/07	BD
1,1-Dichloroethene	<1	ug/l		12/26/07	BD
cis-1,2-Dichloroethene	<1	ug/l		12/26/07	BD
trans-1,2-Dichloroethene	<1	ug/l		12/26/07	BD

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-245-S	LSL Sample ID: 0721017-001	
Location:		
Sampled: 12/18/07 12:15	Sampled By: EB	
Sample Matrix: NPW		

Analytical Method	Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units	
(1) EPA 8260B TCL Volatiles (Modified)			
1,2-Dichloropropane	<1	ug/l	BD
cis-1,3-Dichloropropene	<1	ug/l	BD
trans-1,3-Dichloropropene	<1	ug/l	BD
Ethyl benzene	<1	ug/l	BD
2-Hexanone	<10	ug/l	BD
Iodomethane (Methyl iodide)	<5	ug/l	BD
Methylene chloride	<1	ug/l	BD
4-Methyl-2-pentanone (MIBK)	<10	ug/l	BD
Styrene	<1	ug/l	BD
1,1,1,2-Tetrachloroethane	<1	ug/l	BD
1,1,2,2-Tetrachloroethane	<1	ug/l	BD
Tetrachloroethene	<1	ug/l	BD
Toluene	<1	ug/l	BD
1,1,1-Trichloroethane	<1	ug/l	BD
1,1,2-Trichloroethane	<1	ug/l	BD
Trichloroethene	<1	ug/l	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l	BD
1,2,3-Trichloropropane	<1	ug/l	BD
Vinyl acetate	<5	ug/l	BD
Vinyl chloride	<1	ug/l	BD
Xylenes (Total)	<1	ug/l	BD
Surrogate (1,2-DCA-d4)	105	%R	BD
Surrogate (Tol-d8)	101	%R	BD
Surrogate (4-BFB)	109	%R	BD
(1) EPA Method 300.0 A			
Bromide	<0.1*	mg/l	ANA
Lab control sample is less than established control limits.			
Chloride	4.4	mg/l	ANA
Nitrate as N	<0.1	mg/l	ANA
Sulfate	7.5*	mg/l	ANA
Lab control sample is less than established control limits. Result should be considered an estimate - the chromatographic peak was not completely resolved during the analysis.			
(1) Field Parameters			
Static Water Level	30.50	ft.	PAP
pH	6.95	Std. Units	BPD
Specific Conductance	0.97	mS/cm	BPD
Turbidity	259	NTU	BPD
Dissolved Oxygen	1.89	mg/l	BPD
Temperature @ Collection Point	9.1	Degrees C	BPD
Eh, Redox potential	170	mV	BPD
(1) Filtering Charge for Dissolved Metals			
Laboratory filtration charge			BPD
(1) HACH 8000 COD			
Chemical Oxygen Demand	50	mg/l	MP

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-245-S

LSL Sample ID: 0721017-001

Location:

Sampled: 12/18/07 12:15

Sampled By: EB

Sample Matrix: NPW

Analytical Method		Prep		Analysis		Analyst
Analyte	Result	Units	Date	Date & Time	Initials	
(1) Sampling Charge						
Sampling Charge				12/19/07		ESB
(1) SM 18 2320B, Alkalinity as CaCO3						
Alkalinity	340	mg/l		12/20/07		MSP
(1) SM 18 3500C Hexavalent Chromium						
Chromium, Hexavalent	<0.01	mg/l		12/18/07 23:39		KBB
(1) SM 19 5310C TOC						
Total Organic Carbon	2.3	mg/l		12/19/07		TER
(1) SM18 2120B, Color						
Apparent Color	250	units		12/20/07 14:49		MSP
(1) SM-2540C Total Dissolved Solids						
Total Dissolved Solids @ 180 C	600	mg/l		12/19/07		MM

-- LABORATORY ANALYSIS REPORT --

C&S Engineers, Inc. N. Syracuse, NY

Sample ID:	MW-245-D	LSL Sample ID:	0721017-002
Location:			
Sampled:	12/18/07 11:55	Sampled By:	EB
Sample Matrix:	NPW		

Analytical Method					
Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	350	mg/l	12/20/07	1/21/08	DP
(1) EPA 200.7 Total Metals					
Boron	<0.5	mg/l	12/20/07	1/2/08	DP
Potassium	4.3	mg/l	12/20/07	1/2/08	DP
Sodium	49**	mg/l	12/20/07	1/2/08	DP
Iron	1.3	mg/l	12/20/07	1/2/08	DP
Manganese	0.37	mg/l	12/20/07	1/2/08	DP
Magnesium	27*	mg/l	12/20/07	1/18/08	DP
Lead	<0.01	mg/l	12/20/07	1/2/08	DP
Cadmium	<0.01	mg/l	12/20/07	1/2/08	DP
Aluminum	<0.1	mg/l	12/20/07	1/2/08	DP
Calcium	96*	mg/l	12/20/07	1/18/08	DP
Antimony	<0.01	mg/l	12/20/07	1/2/08	DP
Arsenic	0.018	mg/l	12/20/07	1/2/08	DP
Beryllium	<0.01	mg/l	12/20/07	1/2/08	DP
Barium	<0.2	mg/l	12/20/07	1/2/08	DP
Chromium	<0.01	mg/l	12/20/07	1/2/08	DP
Copper	<0.01	mg/l	12/20/07	1/2/08	DP
Nickel	<0.01	mg/l	12/20/07	1/2/08	DP
Selenium	0.22	mg/l	12/20/07	1/2/08	DP
Silver	<0.01**	mg/l	12/20/07	1/2/08	DP
Thallium	<0.01	mg/l	12/20/07	1/2/08	DP
Zinc	0.021	mg/l	12/20/07	1/2/08	DP
Cobalt	<0.01	mg/l	12/20/07	1/2/08	DP
Vanadium	<0.01	mg/l	12/20/07	1/2/08	DP
(1) EPA 245.1 Mercury					
Mercury	<0.0002	mg/l	12/27/07	12/28/07	DP
(1) EPA 335.4 Total Cyanide					
Cyanide, Total	<0.01	mg/l	12/21/07	12/21/07	DRB
(1) EPA 350.2 Ammonia					
Ammonia as N	13	mg/l		1/8/08	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	13***	mg/l	1/8/08	1/10/08	DRB
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	4.5	mg/l		12/19/07 17:33	MM/TE R
(1) EPA 420.1 Recoverable Phenolics LL					
Phenolics, Total Recoverable	<0.003	mg/l	12/20/07	1/8/08	TER
(1) EPA 8260B TCL Volatiles (Modified)					
Acetone	<10	ug/l		12/26/07	BD
Acrylonitrile	<20	ug/l		12/26/07	BD
Benzene	<1	ug/l		12/26/07	BD
Bromochloromethane	<1	ug/l		12/26/07	BD
Bromodichloromethane	<1	ug/l		12/26/07	BD

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-245-D LSL Sample ID: 0721017-002
 Location:
 Sampled: 12/18/07 11:55 Sampled By: EB
 Sample Matrix: NPW

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA 8260B TCL Volatiles (Modified)					
Bromoform	<1	ug/l		12/26/07	BD
Bromomethane	<1	ug/l		12/26/07	BD
2-Butanone (MEK)	<10	ug/l		12/26/07	BD
Carbon disulfide	<1	ug/l		12/26/07	BD
Carbon tetrachloride	<1	ug/l		12/26/07	BD
Chlorobenzene	<1	ug/l		12/26/07	BD
Chloroethane	<1	ug/l		12/26/07	BD
Chloromethane	<1	ug/l		12/26/07	BD
Chloroform	<1	ug/l		12/26/07	BD
Dibromochloromethane	<1	ug/l		12/26/07	BD
1,2-Dibromo-3-chloropropane	<1	ug/l		12/26/07	BD
1,2-Dibromoethane(EDB)	<1	ug/l		12/26/07	BD
Dibromomethane	<1	ug/l		12/26/07	BD
1,2-Dichlorobenzene	<1	ug/l		12/26/07	BD
1,4-Dichlorobenzene	<1	ug/l		12/26/07	BD
trans-1,4-Dichloro-2-butene	<5	ug/l		12/26/07	BD
1,1-Dichloroethane	<1	ug/l		12/26/07	BD
1,2-Dichloroethane	<1	ug/l		12/26/07	BD
1,1-Dichloroethene	<1	ug/l		12/26/07	BD
cis-1,2-Dichloroethene	<1	ug/l		12/26/07	BD
trans-1,2-Dichloroethene	<1	ug/l		12/26/07	BD
1,2-Dichloropropane	<1	ug/l		12/26/07	BD
cis-1,3-Dichloropropene	<1	ug/l		12/26/07	BD
trans-1,3-Dichloropropene	<1	ug/l		12/26/07	BD
Ethyl benzene	<1	ug/l		12/26/07	BD
2-Hexanone	<10	ug/l		12/26/07	BD
Iodomethane (Methyl iodide)	<5	ug/l		12/26/07	BD
Methylene chloride	<1	ug/l		12/26/07	BD
4-Methyl-2-pentanone (MIBK)	<10	ug/l		12/26/07	BD
Styrene	<1	ug/l		12/26/07	BD
1,1,1,2-Tetrachloroethane	<1	ug/l		12/26/07	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		12/26/07	BD
Tetrachloroethene	<1	ug/l		12/26/07	BD
Toluene	<1	ug/l		12/26/07	BD
1,1,1-Trichloroethane	<1	ug/l		12/26/07	BD
1,1,2-Trichloroethane	<1	ug/l		12/26/07	BD
Trichloroethene	<1	ug/l		12/26/07	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		12/26/07	BD
1,2,3-Trichloropropane	<1	ug/l		12/26/07	BD
Vinyl acetate	<5	ug/l		12/26/07	BD
Vinyl chloride	<1	ug/l		12/26/07	BD
Xylenes (Total)	<1	ug/l		12/26/07	BD
Surrogate (1,2-DCA-d4)	106	%R		12/26/07	BD
Surrogate (Tol-d8)	102	%R		12/26/07	BD
Surrogate (4-BFB)	109	%R		12/26/07	BD

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-245-D LSL Sample ID: 0721017-002

Location:

Sampled: 12/18/07 11:55 Sampled By: EB

Sample Matrix: NPW

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA Method 300.0 A					
Bromide	<0.1*	mg/l		12/19/07 23:20	ANA
Lab control sample is less than established control limits.					
Chloride	23	mg/l		12/19/07 23:20	ANA
Nitrate as N	<0.1	mg/l		12/19/07 23:20	ANA
Sulfate	58*	mg/l		12/19/07 23:20	ANA
Lab control sample is less than established control limits. Result should be considered an estimate - the chromatographic peak was not completely resolved during the analysis.					
(1) Field Parameters					
Static Water Level	31.21	ft.		12/17/07	PAP
pH	7.12	Std. Units		12/18/07 11:55	BPD
Specific Conductance	0.785	mS/cm		12/18/07 11:55	BPD
Turbidity	13	NTU		12/18/07 11:55	BPD
Dissolved Oxygen	5.63	mg/l		12/18/07 11:55	BPD
Temperature @ Collection Point	9.3	Degrees C		12/18/07 11:55	BPD
Eh, Redox potential	155	mV		12/18/07 11:55	BPD
(1) HACH 8000 COD					
Chemical Oxygen Demand	<5	mg/l		12/20/07	MP
(1) SM 18 2320B, Alkalinity as CaCO3					
Alkalinity	340	mg/l		12/20/07	MSP
(1) SM 18 3500C Hexavalent Chromium					
Chromium, Hexavalent	<0.01	mg/l		12/18/07 23:39	KBB
(1) SM 19 5310C TOC					
Total Organic Carbon	2.2	mg/l		12/19/07	TER
(1) SM18 2120B, Color					
Apparent Color	20	units		12/20/07 14:49	MSP
(1) SM-2540C Total Dissolved Solids					
Total Dissolved Solids @ 180 C	470	mg/l		12/19/07	MM

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID:	MW-220	LSL Sample ID:	0721017-003
Location:			
Sampled:	12/18/07 12:30	Sampled By:	EB
Sample Matrix:	NPW		

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
<i>(1)</i> EPA 200.7 Soluble Metals					
Potassium	5.3	mg/l	12/20/07	1/2/08	DP
Iron	0.12	mg/l	12/20/07	1/2/08	DP
Manganese	1.4	mg/l	12/20/07	1/2/08	DP
Magnesium	51*	mg/l	12/20/07	1/18/08	DP
Lead	<0.01	mg/l	12/20/07	1/2/08	DP
Cadmium	<0.01	mg/l	12/20/07	1/2/08	DP
Aluminum	<0.1	mg/l	12/20/07	1/2/08	DP
Calcium	210*	mg/l	12/20/07	1/18/08	DP
Antimony	<0.01	mg/l	12/20/07	1/2/08	DP
Arsenic	<0.01	mg/l	12/20/07	1/2/08	DP
Beryllium	<0.01	mg/l	12/20/07	1/2/08	DP
Barium	<0.2	mg/l	12/20/07	1/2/08	DP
Chromium	<0.01	mg/l	12/20/07	1/2/08	DP
Copper	<0.01	mg/l	12/20/07	1/2/08	DP
Nickel	<0.01	mg/l	12/20/07	1/2/08	DP
Selenium	0.45	mg/l	12/20/07	1/2/08	DP
Silver	<0.01**	mg/l	12/20/07	1/2/08	DP
Thallium	<0.01	mg/l	12/20/07	1/2/08	DP
Zinc	0.036	mg/l	12/20/07	1/2/08	DP
Cobalt	<0.01	mg/l	12/20/07	1/2/08	DP
Vanadium	<0.01	mg/l	12/20/07	1/2/08	DP
Sodium	18**	mg/l	12/20/07	1/2/08	DP
<i>(1)</i> EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	720	mg/l	12/20/07	1/21/08	DP
<i>(1)</i> EPA 200.7 Total Metals					
Boron	<0.5	mg/l	12/20/07	1/2/08	DP
Potassium	8.7	mg/l	12/20/07	1/2/08	DP
Sodium	19**	mg/l	12/20/07	1/2/08	DP
Iron	10	mg/l	12/20/07	1/2/08	DP
Manganese	3.1	mg/l	12/20/07	1/2/08	DP
Magnesium	49*	mg/l	12/20/07	1/18/08	DP
Lead	0.015	mg/l	12/20/07	1/2/08	DP
Cadmium	<0.01	mg/l	12/20/07	1/2/08	DP
Aluminum	2.6	mg/l	12/20/07	1/2/08	DP
Calcium	210*	mg/l	12/20/07	1/18/08	DP
Antimony	<0.01	mg/l	12/20/07	1/2/08	DP
Arsenic	0.030	mg/l	12/20/07	1/2/08	DP
Beryllium	<0.01	mg/l	12/20/07	1/2/08	DP
Barium	<0.2	mg/l	12/20/07	1/2/08	DP
Chromium	<0.01	mg/l	12/20/07	1/2/08	DP
Copper	0.011	mg/l	12/20/07	1/2/08	DP
Nickel	<0.01	mg/l	12/20/07	1/2/08	DP
Selenium	0.49	mg/l	12/20/07	1/2/08	DP
Silver	<0.01**	mg/l	12/20/07	1/2/08	DP
Thallium	<0.01	mg/l	12/20/07	1/2/08	DP
Zinc	0.052	mg/l	12/20/07	1/2/08	DP

-- LABORATORY ANALYSIS REPORT --

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-220	LSL Sample ID: 0721017-003
Location:	
Sampled: 12/18/07 12:30	Sampled By: EB
Sample Matrix: NPW	

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(I) EPA 200.7 Total Metals					
Cobalt	<0.01	mg/l	12/20/07	1/2/08	DP
Vanadium	<0.01	mg/l	12/20/07	1/2/08	DP
(I) EPA 245.1 Mercury					
Mercury	<0.0002	mg/l	12/27/07	12/28/07	DP
(I) EPA 245.1 Soluble Mercury					
Mercury	<0.0002	mg/l	12/27/07	12/28/07	DP
(I) EPA 335.4 Total Cyanide					
Cyanide, Total	<0.01	mg/l	12/21/07	12/21/07	DRB
(I) EPA 350.2 Ammonia					
Ammonia as N	<0.03	mg/l		1/8/08	DRB
(I) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	0.31***	mg/l	1/8/08	1/10/08	DRB
(I) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	<4	mg/l		12/19/07 17:33	MM/TE R
(I) EPA 420.1 Recoverable Phenolics LL					
Phenolics, Total Recoverable	<0.003	mg/l	12/20/07	1/8/08	TER
(I) EPA 8260B TCL Volatiles (Modified)					
Acetone	<10	ug/l		12/26/07	BD
Acrylonitrile	<20	ug/l		12/26/07	BD
Benzene	<1	ug/l		12/26/07	BD
Bromochloromethane	<1	ug/l		12/26/07	BD
Bromodichloromethane	<1	ug/l		12/26/07	BD
Bromoform	<1	ug/l		12/26/07	BD
Bromomethane	<1	ug/l		12/26/07	BD
2-Butanone (MEK)	<10	ug/l		12/26/07	BD
Carbon disulfide	<1	ug/l		12/26/07	BD
Carbon tetrachloride	<1	ug/l		12/26/07	BD
Chlorobenzene	<1	ug/l		12/26/07	BD
Chloroethane	<1	ug/l		12/26/07	BD
Chloromethane	<1	ug/l		12/26/07	BD
Chloroform	<1	ug/l		12/26/07	BD
Dibromochloromethane	<1	ug/l		12/26/07	BD
1,2-Dibromo-3-chloropropane	<1	ug/l		12/26/07	BD
1,2-Dibromoethane(EDB)	<1	ug/l		12/26/07	BD
Dibromomethane	<1	ug/l		12/26/07	BD
1,2-Dichlorobenzene	<1	ug/l		12/26/07	BD
1,4-Dichlorobenzene	<1	ug/l		12/26/07	BD
trans-1,4-Dichloro-2-butene	<5	ug/l		12/26/07	BD
1,1-Dichloroethane	<1	ug/l		12/26/07	BD
1,2-Dichloroethane	<1	ug/l		12/26/07	BD
1,1-Dichloroethene	<1	ug/l		12/26/07	BD
cis-1,2-Dichloroethene	<1	ug/l		12/26/07	BD
trans-1,2-Dichloroethene	<1	ug/l		12/26/07	BD

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-220	LSL Sample ID:	0721017-003
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Location:

Sampled: 12/18/07 12:30	Sampled By: EB
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Sample Matrix: NPW

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
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(1) EPA 8260B TCL Volatiles (Modified)

1,2-Dichloropropane	<1	ug/l		12/26/07	BD
cis-1,3-Dichloropropene	<1	ug/l		12/26/07	BD
trans-1,3-Dichloropropene	<1	ug/l		12/26/07	BD
Ethyl benzene	<1	ug/l		12/26/07	BD
2-Hexanone	<10	ug/l		12/26/07	BD
Iodomethane (Methyl iodide)	<5	ug/l		12/26/07	BD
Methylene chloride	<1	ug/l		12/26/07	BD
4-Methyl-2-pentanone (MIBK)	<10	ug/l		12/26/07	BD
Styrene	<1	ug/l		12/26/07	BD
1,1,1,2-Tetrachloroethane	<1	ug/l		12/26/07	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		12/26/07	BD
Tetrachloroethene	<1	ug/l		12/26/07	BD
Toluene	<1	ug/l		12/26/07	BD
1,1,1-Trichloroethane	<1	ug/l		12/26/07	BD
1,1,2-Trichloroethane	<1	ug/l		12/26/07	BD
Trichloroethene	<1	ug/l		12/26/07	BD
Trichlorofluoromethane (Frcon 11)	<1	ug/l		12/26/07	BD
1,2,3-Trichloropropane	<1	ug/l		12/26/07	BD
Vinyl acetate	<5	ug/l		12/26/07	BD
Vinyl chloride	<1	ug/l		12/26/07	BD
Xylenes (Total)	<1	ug/l		12/26/07	BD
Surrogate (1,2-DCA-d4)	110	%R		12/26/07	BD
Surrogate (Tol-d8)	102	%R		12/26/07	BD
Surrogate (4-BFB)	109	%R		12/26/07	BD

(1) EPA Method 300.0 A

Bromide	<0.1*	mg/l		12/19/07 23:39	ANA
<i>Lab control sample is less than established control limits.</i>					
Chloride	20	mg/l		12/19/07 23:39	ANA
Nitrate as N	<0.1	mg/l		12/19/07 23:39	ANA
Sulfate	130*	mg/l		12/19/07 23:39	ANA

Lab control sample is less than established control limits. Result should be considered an estimate - the chromatographic peak was not completely resolved during the analysis and the concentration exceeded the calibrated range of the instrument.

(1) Field Parameters

Static Water Level	18.34	ft.		12/17/07	PAP
pH	6.54	Std. Units		12/18/07 12:30	BPD
Specific Conductance	1.21	mS/cm		12/18/07 12:30	BPD
Turbidity	108	NTU		12/18/07 12:30	BPD
Dissolved Oxygen	2.21	mg/l		12/18/07 12:30	BPD
Temperature @ Collection Point	11.1	Degrees C		12/18/07 12:30	BPD
Eh, Redox potential	220	mV		12/18/07 12:30	BDP

(1) Filtering Charge for Dissolved Metals

Laboratory filtration charge				12/18/07	BPD
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(1) HACH 8000 COD

Chemical Oxygen Demand	45	mg/l		12/20/07	MP
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- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-220

LSL Sample ID: 0721017-003

Location:

Sampled: 12/18/07 12:30

Sampled By: EB

Sample Matrix: NPW

Analytical Method		Prep		Analysis		Analyst
Analyte	Result	Units	Date	Date & Time	Initials	
(1) SM 18 2320B, Alkalinity as CaCO ₃						
Alkalinity	510	mg/l		12/20/07		MSP
(1) SM 18 3500C Hexavalent Chromium						
Chromium, Hexavalent	<0.01	mg/l		12/18/07 23:39		KBB
(1) SM 19 5310C TOC						
Total Organic Carbon	3.8	mg/l		12/19/07		TER
(1) SM18 2120B, Color						
Apparent Color	100	units		12/20/07 14:49		MSP
(1) SM-2540C Total Dissolved Solids						
Total Dissolved Solids @ 180 C	800	mg/l		12/19/07		MM

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-221-S	LSL Sample ID: 0721017-004
Location:	
Sampled: 12/18/07 13:05	Sampled By: EB
Sample Matrix: NPW	

Analytical Method					
Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
<i>(1) EPA 200.7 Soluble Metals</i>					
Potassium	3.6	mg/l	12/20/07	1/2/08	DP
Iron	0.16	mg/l	12/20/07	1/2/08	DP
Manganese	0.76	mg/l	12/20/07	1/2/08	DP
Magnesium	20*	mg/l	12/20/07	1/18/08	DP
Lead	<0.01	mg/l	12/20/07	1/2/08	DP
Cadmium	<0.01	mg/l	12/20/07	1/2/08	DP
Aluminum	0.11	mg/l	12/20/07	1/2/08	DP
Calcium	190*	mg/l	12/20/07	1/18/08	DP
Antimony	<0.01	mg/l	12/20/07	1/2/08	DP
Arsenic	<0.01	mg/l	12/20/07	1/2/08	DP
Beryllium	<0.01	mg/l	12/20/07	1/2/08	DP
Barium	0.22	mg/l	12/20/07	1/2/08	DP
Chromium	<0.01	mg/l	12/20/07	1/2/08	DP
Copper	<0.01	mg/l	12/20/07	1/2/08	DP
Nickel	<0.01	mg/l	12/20/07	1/2/08	DP
Selenium	0.39	mg/l	12/20/07	1/2/08	DP
Silver	<0.01**	mg/l	12/20/07	1/2/08	DP
Thallium	<0.01	mg/l	12/20/07	1/2/08	DP
Zinc	0.032	mg/l	12/20/07	1/2/08	DP
Cobalt	<0.01	mg/l	12/20/07	1/2/08	DP
Vanadium	<0.01	mg/l	12/20/07	1/2/08	DP
Sodium	13**	mg/l	12/20/07	1/2/08	DP
<i>(1) EPA 200.7 Total Hardness as CaCO3</i>					
Hardness, Total	610	mg/l	12/20/07	1/21/08	DP
<i>(1) EPA 200.7 Total Metals</i>					
Boron	<0.5	mg/l	12/20/07	1/2/08	DP
Potassium	6.3	mg/l	12/20/07	1/2/08	DP
Sodium	12**	mg/l	12/20/07	1/2/08	DP
Iron	27	mg/l	12/20/07	1/2/08	DP
Manganese	1.8	mg/l	12/20/07	1/2/08	DP
Magnesium	26*	mg/l	12/20/07	1/18/08	DP
Lead	0.034	mg/l	12/20/07	1/2/08	DP
Cadmium	<0.01	mg/l	12/20/07	1/2/08	DP
Aluminum	13	mg/l	12/20/07	1/2/08	DP
Calcium	200*	mg/l	12/20/07	1/18/08	DP
Antimony	<0.01	mg/l	12/20/07	1/2/08	DP
Arsenic	0.030	mg/l	12/20/07	1/2/08	DP
Beryllium	<0.01	mg/l	12/20/07	1/2/08	DP
Barium	0.33	mg/l	12/20/07	1/2/08	DP
Chromium	0.018	mg/l	12/20/07	1/2/08	DP
Copper	0.050	mg/l	12/20/07	1/2/08	DP
Nickel	0.029	mg/l	12/20/07	1/2/08	DP
Selenium	0.49	mg/l	12/20/07	1/2/08	DP
Silver	<0.01**	mg/l	12/20/07	1/2/08	DP
Thallium	<0.01	mg/l	12/20/07	1/2/08	DP
Zinc	0.13	mg/l	12/20/07	1/2/08	DP

-- LABORATORY ANALYSIS REPORT --

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-221-S		LSL Sample ID: 0721017-004			
Location:					
Sampled: 12/18/07 13:05	Sampled By: EB				
Sample Matrix: NPW					
Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA 200.7 Total Metals					
Cobalt	0.012	mg/l	12/20/07	1/2/08	DP
Vanadium	0.014	mg/l	12/20/07	1/2/08	DP
(1) EPA 245.1 Mercury					
Mercury	<0.0002	mg/l	12/27/07	12/28/07	DP
(1) EPA 245.1 Soluble Mercury					
Mercury	<0.0002	mg/l	12/27/07	12/28/07	DP
(1) EPA 335.4 Total Cyanide					
Cyanide, Total	<0.01	mg/l	12/21/07	12/21/07	DRB
(1) EPA 350.2 Ammonia					
Ammonia as N	<0.03	mg/l		1/8/08	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	0.25***	mg/l	1/8/08	1/10/08	DRB
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	<4	mg/l		12/19/07 17:33	MM/TE R
(1) EPA 420.1 Recoverable Phenolics LL					
Phenolics, Total Recoverable	<0.003	mg/l	12/20/07	1/8/08	TER
(1) EPA 8260B TCL Volatiles (Modified)					
Acetone	<10	ug/l		12/26/07	BD
Acrylonitrile	<20	ug/l		12/26/07	BD
Benzene	<1	ug/l		12/26/07	BD
Bromochloromethane	<1	ug/l		12/26/07	BD
Bromodichloromethane	<1	ug/l		12/26/07	BD
Bromoform	<1	ug/l		12/26/07	BD
Bromomethane	<1	ug/l		12/26/07	BD
2-Butanone (MEK)	<10	ug/l		12/26/07	BD
Carbon disulfide	<1	ug/l		12/26/07	BD
Carbon tetrachloride	<1	ug/l		12/26/07	BD
Chlorobenzene	<1	ug/l		12/26/07	BD
Chloroethane	<1	ug/l		12/26/07	BD
Chloromethane	<1	ug/l		12/26/07	BD
Cbloroform	<1	ug/l		12/26/07	BD
Dibromochloromethane	<1	ug/l		12/26/07	BD
1,2-Dibromo-3-chloropropane	<1	ug/l		12/26/07	BD
1,2-Dibromoethane(EDB)	<1	ug/l		12/26/07	BD
Dibromomethane	<1	ug/l		12/26/07	BD
1,2-Dichlorobenzene	<1	ug/l		12/26/07	BD
1,4-Dichlorobenzene	<1	ug/l		12/26/07	BD
trans-1,4-Dichloro-2-butene	<5	ug/l		12/26/07	BD
1,1-Dichloroethane	<1	ug/l		12/26/07	BD
1,2-Dichloroethane	<1	ug/l		12/26/07	BD
1,1-Dichloroethene	<1	ug/l		12/26/07	BD
cis-1,2-Dichloroethene	<1	ug/l		12/26/07	BD
trans-1,2-Dichloroethene	<1	ug/l		12/26/07	BD

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-221-S	LSL Sample ID: 0721017-004
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Location:

Sampled: 12/18/07 13:05 **Sampled By:** EB

Sample Matrix: NPW

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA 8260B TCL Volatiles (Modified)					
1,2-Dichloropropane	<1	ug/l		12/26/07	BD
cis-1,3-Dichloropropene	<1	ug/l		12/26/07	BD
trans-1,3-Dichloropropene	<1	ug/l		12/26/07	BD
Ethyl benzene	<1	ug/l		12/26/07	BD
2-Hexanone	<10	ug/l		12/26/07	BD
Iodomethane (Methyl iodide)	<5	ug/l		12/26/07	BD
Methylene chloride	<1	ug/l		12/26/07	BD
4-Methyl-2-pentanone (MIBK)	<10	ug/l		12/26/07	BD
Styrene	<1	ug/l		12/26/07	BD
1,1,1,2-Tetrachloroethane	<1	ug/l		12/26/07	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		12/26/07	BD
Tetrachloroethene	<1	ug/l		12/26/07	BD
Toluene	<1	ug/l		12/26/07	BD
1,1,1-Trichloroethane	<1	ug/l		12/26/07	BD
1,1,2-Trichloroethane	<1	ug/l		12/26/07	BD
Trichloroethene	<1	ug/l		12/26/07	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		12/26/07	BD
1,2,3-Trichloropropane	<1	ug/l		12/26/07	BD
Vinyl acetate	<5	ug/l		12/26/07	BD
Vinyl chloride	<1	ug/l		12/26/07	BD
Xylenes (Total)	<1	ug/l		12/26/07	BD
Surrogate (1,2-DCA-d4)	107	%R		12/26/07	BD
Surrogate (Tol-d8)	103	%R		12/26/07	BD
Surrogate (4-BFB)	109	%R		12/26/07	BD
(1) EPA Method 300.0 A					
Bromide	<0.1*	mg/l		12/19/07 23:59	ANA
<i>Lab control sample is less than established control limits.</i>					
Chloride	15	mg/l		12/19/07 23:59	ANA
Nitrate as N	<0.1	mg/l		12/19/07 23:59	ANA
Sulfate	23*	mg/l		12/19/07 23:59	ANA
<i>Lab control sample is less than established control limits. Result should be considered an estimate - the chromatographic peak was not completely resolved during the analysis.</i>					
(1) Field Parameters					
Static Water Level	15.76	ft.		12/17/07	PAP
pH	6.63	Std. Units		12/18/07 13:05	BDP
Specific Conductance	0.91	mS/cm		12/18/07 13:05	BDP
Turbidity	398	NTU		12/18/07 13:05	BDP
Dissolved Oxygen	2.38	mg/l		12/18/07 13:05	BDP
Temperature @ Collection Point	11.6	Degrees C		12/18/07 13:05	BDP
Eh, Redox potential	280	mV		12/18/07 13:05	BDP
(1) Filtering Charge for Dissolved Metals					
Laboratory filtration charge				12/18/07	BPD
(1) HACH 8000 COD					
Chemical Oxygen Demand	100	mg/l		12/20/07	MP

-- LABORATORY ANALYSIS REPORT --

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-221-S

LSL Sample ID: 0721017-004

Location:

Sampled: 12/18/07 13:05

Sampled By: EB

Sample Matrix: NPW

Analytical Method		Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte						
(1) SM 18 2320B, Alkalinity as CaCO ₃						
Alkalinity		450	mg/l		12/20/07	MSP
(1) SM 18 3500C Hexavalent Chromium						
Chromium, Hexavalent		<0.01	mg/l		12/18/07 23:39	KBB
(1) SM 19 5310C TOC						
Total Organic Carbon		3.6	mg/l		12/19/07	TER
(1) SM18 2120B, Color						
Apparent Color		200	units		12/20/07 14:49	MSP
(1) SM-2540C Total Dissolved Solids						
Total Dissolved Solids @ 180 C		590	mg/l		12/19/07	MM

-- LABORATORY ANALYSIS REPORT --

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-221-D	LSL Sample ID: 0721017-005
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Location:

Sampled: 12/18/07 12:55 **Sampled By:** EB

Sample Matrix: NPW

Analytical Method					
Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
<i>(1)</i> EPA 200.7 Total Hardness as CaCO ₃					
Hardness, Total	190	mg/l	12/20/07	1/21/08	DP
<i>(1)</i> EPA 200.7 Total Metals					
Boron	<0.5	mg/l	12/20/07	1/2/08	DP
Potassium	3.4	mg/l	12/20/07	1/2/08	DP
Sodium	15**	mg/l	12/20/07	1/2/08	DP
Iron	0.25	mg/l	12/20/07	1/2/08	DP
Manganese	<0.01	mg/l	12/20/07	1/2/08	DP
Magnesium	19*	mg/l	12/20/07	1/18/08	DP
Lead	<0.01	mg/l	12/20/07	1/2/08	DP
Cadmium	<0.01	mg/l	12/20/07	1/2/08	DP
Aluminum	0.12	mg/l	12/20/07	1/2/08	DP
Calcium	45*	mg/l	12/20/07	1/18/08	DP
Antimony	<0.01	mg/l	12/20/07	1/2/08	DP
Arsenic	0.015	mg/l	12/20/07	1/2/08	DP
Beryllium	<0.01	mg/l	12/20/07	1/2/08	DP
Barium	<0.2	mg/l	12/20/07	1/2/08	DP
Chromium	<0.01	mg/l	12/20/07	1/2/08	DP
Copper	<0.01	mg/l	12/20/07	1/2/08	DP
Nickel	<0.01	mg/l	12/20/07	1/2/08	DP
Selenium	0.097	mg/l	12/20/07	1/2/08	DP
Silver	<0.01**	mg/l	12/20/07	1/2/08	DP
Thallium	<0.01	mg/l	12/20/07	1/2/08	DP
Zinc	0.025	mg/l	12/20/07	1/2/08	DP
Cobalt	<0.01	mg/l	12/20/07	1/2/08	DP
Vanadium	<0.01	mg/l	12/20/07	1/2/08	DP
<i>(1)</i> EPA 245.1 Mercury					
Mercury	<0.0002	mg/l	12/27/07	12/28/07	DP
<i>(1)</i> EPA 335.4 Total Cyanide					
Cyanide, Total	<0.01	mg/l	12/21/07	12/21/07	DRB
<i>(1)</i> EPA 350.2 Ammonia					
Ammonia as N	<0.03	mg/l		1/8/08	DRB
<i>(1)</i> EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	0.20***	mg/l	1/8/08	1/10/08	DRB
<i>(1)</i> EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	<4	mg/l		12/19/07 17:33	MM/TE R
<i>(1)</i> EPA 420.1 Recoverable Phenolics LL					
Phenolics, Total Recoverable	<0.003	mg/l	12/20/07	1/8/08	TER
<i>(1)</i> EPA 8260B TCL Volatiles (Modified)					
Acetone	<10	ug/l		12/26/07	BD
Acrylonitrile	<20	ug/l		12/26/07	BD
Benzene	<1	ug/l		12/26/07	BD
Bromochloromethane	<1	ug/l		12/26/07	BD
Bromodichloromethane	<1	ug/l		12/26/07	BD

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-221-D	LSL Sample ID: 0721017-005
Location:	
Sampled: 12/18/07 12:55	Sampled By: EB
Sample Matrix: NPW	

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA 8260B TCL Volatiles (Modified)					
Bromoform	<1	ug/l		12/26/07	BD
Bromomethane	<1	ug/l		12/26/07	BD
2-Butanone (MEK)	<10	ug/l		12/26/07	BD
Carbon disulfide	<1	ug/l		12/26/07	BD
Carbon tetrachloride	<1	ug/l		12/26/07	BD
Chlorobenzene	<1	ug/l		12/26/07	BD
Chloroethane	<1	ug/l		12/26/07	BD
Chloromethane	<1	ug/l		12/26/07	BD
Chloroform	<1	ug/l		12/26/07	BD
Dibromochloromethane	<1	ug/l		12/26/07	BD
1,2-Dibromo-3-chloropropane	<1	ug/l		12/26/07	BD
1,2-Dibromoethane (EDB)	<1	ug/l		12/26/07	BD
Dibromomethane	<1	ug/l		12/26/07	BD
1,2-Dichlorobenzene	<1	ug/l		12/26/07	BD
1,4-Dichlorobenzene	<1	ug/l		12/26/07	BD
trans-1,4-Dichloro-2-butene	<5	ug/l		12/26/07	BD
1,1-Dichloroethane	<1	ug/l		12/26/07	BD
1,2-Dichloroethane	<1	ug/l		12/26/07	BD
1,1-Dichloroethene	<1	ug/l		12/26/07	BD
cis-1,2-Dichloroethene	<1	ug/l		12/26/07	BD
trans-1,2-Dichloroethene	<1	ug/l		12/26/07	BD
1,2-Dichloropropane	<1	ug/l		12/26/07	BD
cis-1,3-Dichloropropene	<1	ug/l		12/26/07	BD
trans-1,3-Dichloropropene	<1	ug/l		12/26/07	BD
Ethyl benzene	<1	ug/l		12/26/07	BD
2-Hexanone	<10	ug/l		12/26/07	BD
Iodomethane (Methyl iodide)	<5	ug/l		12/26/07	BD
Methylene chloride	<1	ug/l		12/26/07	BD
4-Methyl-2-pentanone (MIBK)	<10	ug/l		12/26/07	BD
Styrene	<1	ug/l		12/26/07	BD
1,1,1,2-Tetrachloroethane	<1	ug/l		12/26/07	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		12/26/07	BD
Tetrachloroethene	<1	ug/l		12/26/07	BD
Toluene	<1	ug/l		12/26/07	BD
1,1,1-Trichloroethane	<1	ug/l		12/26/07	BD
1,1,2-Trichloroethane	<1	ug/l		12/26/07	BD
Trichloroethene	<1	ug/l		12/26/07	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		12/26/07	BD
1,2,3-Trichloropropane	<1	ug/l		12/26/07	BD
Vinyl acetate	<5	ug/l		12/26/07	BD
Vinyl chloride	<1	ug/l		12/26/07	BD
Xylenes (Total)	<1	ug/l		12/26/07	BD
Surrogate (1,2-DCA-d4)	106	%R		12/26/07	BD
Surrogate (Tol-d8)	101	%R		12/26/07	BD
Surrogate (4-BFB)	113	%R		12/26/07	BD

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID:	MW-221-D	LSL Sample ID:	0721017-005
Location:			
Sampled:	12/18/07 12:55	Sampled By:	EB
Sample Matrix:	NPW		

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA Method 300.0 A					
Bromide	<0.1*	mg/l		12/20/07 00:19	ANA
<i>Lab control sample is less than established control limits.</i>					
Chloride	56	mg/l		12/20/07 00:19	ANA
Nitrate as N	<0.1	mg/l		12/20/07 00:19	ANA
Sulfate	8.5*	mg/l		12/20/07 00:19	ANA
<i>Lab control sample is less than established control limits. Result should be considered an estimate - the chromatographic peak was not completely resolved during the analysis.</i>					
(1) Field Parameters					
Static Water Level	17.20	ft.		12/17/07	PAP
pH	7.71	Std. Units		12/18/07 12:55	BDP
Specific Conductance	0.398	mS/cm		12/18/07 12:55	BDP
Turbidity	11	NTU		12/18/07 12:55	BDP
Dissolved Oxygen	2.84	mg/L		12/18/07 12:55	BDP
Temperature @ Collection Point	11.1	Degrees C		12/18/07 12:55	BDP
Eh, Redox potential	280	mV		12/18/07 12:55	BDP
(1) HACH 8000 COD					
Chemical Oxygen Demand	<5	mg/l		12/20/07	MP
(1) SM 18 2320B, Alkalinity as CaCO3					
Alkalinity	120	mg/l		12/20/07	MSP
(1) SM 18 3500C Hexavalent Chromium					
Chromium, Hexavalent	<0.01	mg/l		12/18/07 23:39	KBB
(1) SM 19 5310C TOC					
Total Organic Carbon	<1	mg/l		12/19/07	TER
(1) SM18 2120B, Color					
Apparent Color	10	units		12/20/07 14:49	MSP
(1) SM-2540C Total Dissolved Solids					
Total Dissolved Solids @ 180 C	230	mg/l		12/19/07	MM

-- LABORATORY ANALYSIS REPORT --

C&S Engineers, Inc. N. Syracuse, NY

Sample ID:	MW-222	LSL Sample ID:	0721017-006
Location:			
Sampled:	12/18/07 13:15	Sampled By:	EB
Sample Matrix:	NPW		

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	820	mg/l	12/20/07	1/21/08	DP
(1) EPA 200.7 Total Metals					
Boron	0.58	mg/l	12/20/07	1/2/08	DP
Potassium	16	mg/l	12/20/07	1/18/08	DP
Sodium	83**	mg/l	12/20/07	1/18/08	DP
Iron	34	mg/l	12/20/07	1/2/08	DP
Manganese	0.73	mg/l	12/20/07	1/2/08	DP
Magnesium	53*	mg/l	12/20/07	1/18/08	DP
Lead	<0.01	mg/l	12/20/07	1/2/08	DP
Cadmium	<0.01	mg/l	12/20/07	1/2/08	DP
Aluminum	0.30	mg/l	12/20/07	1/2/08	DP
Calcium	240*	mg/l	12/20/07	1/18/08	DP
Antimony	<0.01	mg/l	12/20/07	1/2/08	DP
Arsenic	0.10	mg/l	12/20/07	1/2/08	DP
Beryllium	<0.01	mg/l	12/20/07	1/2/08	DP
Barium	0.41	mg/l	12/20/07	1/2/08	DP
Chromium	<0.01	mg/l	12/20/07	1/2/08	DP
Copper	0.015	mg/l	12/20/07	1/2/08	DP
Nickel	0.012	mg/l	12/20/07	1/2/08	DP
Selenium	0.062	mg/l	12/20/07	1/2/08	DP
Silver	<0.01**	mg/l	12/20/07	1/2/08	DP
Thallium	<0.01	mg/l	12/20/07	1/2/08	DP
Zinc	0.068	mg/l	12/20/07	1/2/08	DP
Cobalt	<0.01	mg/l	12/20/07	1/2/08	DP
Vanadium	<0.01	mg/l	12/20/07	1/2/08	DP
(1) EPA 245.1 Mercury					
Mercury	<0.0002	mg/l	12/27/07	12/28/07	DP
(1) EPA 335.4 Total Cyanide					
Cyanide, Total	<0.01	mg/l	12/21/07	12/21/07	DRB
(1) EPA 350.2 Ammonia					
Ammonia as N	37	mg/l		1/8/08	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	38***	mg/l	1/8/08	1/10/08	DRB
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	11	mg/l		12/19/07 17:33	MM/TE R
(1) EPA 420.1 Recoverable Phenolics LL					
Phenolics, Total Recoverable	<0.003	mg/l	12/20/07	1/8/08	TER
(1) EPA 8260B TCL Volatiles (Modified)					
Acetone	<10	ug/l		12/27/07	BD
Acrylonitrile	<20	ug/l		12/27/07	BD
Benzene	<1	ug/l		12/27/07	BD
Bromochloromethane	<1	ug/l		12/27/07	BD
Bromodichloromethane	<1	ug/l		12/27/07	BD

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-222

LSL Sample ID: 0721017-006

Location:

Sampled: 12/18/07 13:15

Sampled By: EB

Sample Matrix: NPW

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 8260B TCL Volatiles (Modified)					
Bromoform	<1	ug/l		12/27/07	BD
Bromomethane	<1	ug/l		12/27/07	BD
2-Butanone (MEK)	<10	ug/l		12/27/07	BD
Carbon disulfide	<1	ug/l		12/27/07	BD
Carbon tetrachloride	<1	ug/l		12/27/07	BD
Chlorobenzene	<1	ug/l		12/27/07	BD
Chloroethane	<1	ug/l		12/27/07	BD
Chloromethane	<1	ug/l		12/27/07	BD
Chloroform	<1	ug/l		12/27/07	BD
Dibromochloromethane	<1	ug/l		12/27/07	BD
1,2-Dibromo-3-chloropropane	<1	ug/l		12/27/07	BD
1,2-Dibromoethane(EDB)	<1	ug/l		12/27/07	BD
Dibromomethane	<1	ug/l		12/27/07	BD
1,2-Dichlorobenzene	<1	ug/l		12/27/07	BD
1,4-Dichlorobenzene	<1	ug/l		12/27/07	BD
trans-1,4-Dichloro-2-butene	<5	ug/l		12/27/07	BD
1,1-Dichloroethane	<1	ug/l		12/27/07	BD
1,2-Dichloroethane	<1	ug/l		12/27/07	BD
1,1-Dichloroethene	<1	ug/l		12/27/07	BD
cis-1,2-Dichloroethene	<1	ug/l		12/27/07	BD
trans-1,2-Dichloroethene	<1	ug/l		12/27/07	BD
1,2-Dichloropropane	<1	ug/l		12/27/07	BD
cis-1,3-Dichloropropene	<1	ug/l		12/27/07	BD
trans-1,3-Dichloropropene	<1	ug/l		12/27/07	BD
Ethyl benzene	<1	ug/l		12/27/07	BD
2-Hexanone	<10	ug/l		12/27/07	BD
Iodomethane (Methyl iodide)	<5	ug/l		12/27/07	BD
Methylene chloride	<1	ug/l		12/27/07	BD
4-Methyl-2-pentanone (MIBK)	<10	ug/l		12/27/07	BD
Styrene	<1	ug/l		12/27/07	BD
1,1,1,2-Tetrachloroethane	<1	ug/l		12/27/07	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		12/27/07	BD
Tetrachloroethene	<1	ug/l		12/27/07	BD
Toluene	<1	ug/l		12/27/07	BD
1,1,1-Trichloroethane	<1	ug/l		12/27/07	BD
1,1,2-Trichloroethane	<1	ug/l		12/27/07	BD
Trichloroethene	<1	ug/l		12/27/07	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		12/27/07	BD
1,2,3-Trichloropropane	<1	ug/l		12/27/07	BD
Vinyl acetate	<5	ug/l		12/27/07	BD
Vinyl chloride	1.2	ug/l		12/27/07	BD
Xylenes (Total)	<1	ug/l		12/27/07	BD
Surrogate (1,2-DCA-d4)	113	%R		12/27/07	BD
Surrogate (Tol-d8)	103	%R		12/27/07	BD
Surrogate (4-BFB)	110	%R		12/27/07	BD

-- LABORATORY ANALYSIS REPORT --

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-222

LSL Sample ID: 0721017-006

Location:

Sampled: 12/18/07 13:15

Sampled By: EB

Sample Matrix: NPW

Analytical Method		Result	Units	Prep Date	Analysis		Analyst Initials
Analyte					Date & Time		
(I) EPA Method 300.0 A							
Bromide		<0.1*	mg/l		12/20/07	00:38	ANA
Lab control sample is less than established control limits.							
Chloride		98	mg/l		12/20/07	00:38	ANA
Nitrate as N		<0.1	mg/l		12/20/07	00:38	ANA
Sulfate		30*	mg/l		12/20/07	00:38	ANA
Lab control sample is less than established control limits. Result should be considered an estimate - the chromatographic peak was not completely resolved during the analysis.							
(I) Field Parameters							
Static Water Level		19.35	ft.		12/17/07		PAP
pH		6.47	Std. Units		12/18/07	13:15	BDP
Specific Conductance		2.00	mS/cm		12/18/07	13:15	BDP
Turbidity		13	NTU		12/18/07	13:15	BDP
Dissolved Oxygen		1.52	mg/l		12/18/07	13:15	BDP
Temperature @ Collection Point		11.1	Degrees C		12/18/07	13:15	BDP
Eh, Redox potential		35	mV		12/18/07	13:15	BDP
(I) HACH 8000 COD							
Chemical Oxygen Demand		50	mg/l		12/20/07		MP
(I) SM 18 2320B, Alkalinity as CaCO3							
Alkalinity		910	mg/l		12/20/07		MSP
(I) SM 18 3500C Hexavalent Chromium							
Chromium, Hexavalent		<0.01	mg/l		12/18/07	23:39	KBB
(I) SM 19 5310C TOC							
Total Organic Carbon		12	mg/l		12/19/07		TER
(I) SM18 2120B, Color							
Apparent Color		300	units		12/20/07	14:49	MSP
(I) SM-2540C Total Dissolved Solids							
Total Dissolved Solids @ 180 C		1000	mg/l		12/19/07		MM

-- LABORATORY ANALYSIS REPORT --

C&S Engineers, Inc. N. Syracuse, NY

Sample ID:	MW-3B	LSL Sample ID:	0721017-007
Location:			
Sampled:	12/18/07 13:40	Sampled By:	EB
Sample Matrix:	NPW		

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	540	mg/l	12/20/07	1/21/08	DP
(1) EPA 200.7 Total Metals					
Boron	<0.5	mg/l	12/20/07	1/2/08	DP
Potassium	4.3	mg/l	12/20/07	1/2/08	DP
Sodium	58**	mg/l	12/20/07	1/18/08	DP
Iron	1.5	mg/l	12/20/07	1/2/08	DP
Manganese	0.99	mg/l	12/20/07	1/2/08	DP
Magnesium	34*	mg/l	12/20/07	1/18/08	DP
Lead	<0.01	mg/l	12/20/07	1/2/08	DP
Cadmium	<0.01	mg/l	12/20/07	1/2/08	DP
Aluminum	0.18	mg/l	12/20/07	1/2/08	DP
Calcium	160*	mg/l	12/20/07	1/18/08	DP
Antimony	<0.01	mg/l	12/20/07	1/2/08	DP
Arsenic	0.051	mg/l	12/20/07	1/2/08	DP
Beryllium	<0.01	mg/l	12/20/07	1/2/08	DP
Barium	0.20	mg/l	12/20/07	1/2/08	DP
Chromium	<0.01	mg/l	12/20/07	1/2/08	DP
Copper	<0.01	mg/l	12/20/07	1/2/08	DP
Nickel	<0.01	mg/l	12/20/07	1/2/08	DP
Selenium	0.34	mg/l	12/20/07	1/2/08	DP
Silver	<0.01**	mg/l	12/20/07	1/2/08	DP
Thallium	<0.01	mg/l	12/20/07	1/2/08	DP
Zinc	0.022	mg/l	12/20/07	1/2/08	DP
Cobalt	<0.01	mg/l	12/20/07	1/2/08	DP
Vanadium	<0.01	mg/l	12/20/07	1/2/08	DP
(1) EPA 245.1 Mercury					
Mercury	<0.0002	mg/l	12/27/07	12/28/07	DP
(1) EPA 335.4 Total Cyanide					
Cyanide, Total	<0.01	mg/l	12/21/07	12/21/07	DRB
(1) EPA 350.2 Ammonia					
Ammonia as N	0.32	mg/l		1/8/08	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	1.1***	mg/l	1/8/08	1/10/08	DRB
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	<4	mg/l		12/19/07 17:33	MM/TE R
(1) EPA 420.1 Recoverable Phenolics LL					
Phenolics, Total Recoverable	0.0037	mg/l	12/20/07	1/8/08	TER
<i>As per NELAC regulation disclosure of the following condition is required; The result of a calibration check sample associated with this analysis was greater than the established control limit.</i>					
(1) EPA 8260B TCL Volatiles (Modified)					
Acetone	<10	ug/l		12/27/07	BD
Acrylonitrile	<20	ug/l		12/27/07	BD
Benzene	<1	ug/l		12/27/07	BD

-- LABORATORY ANALYSIS REPORT --

C&S Engineers, Inc. N. Syracuse, NY

Sample ID:	MW-3B	LSL Sample ID:	0721017-007
Location:			
Sampled:	12/18/07 13:40	Sampled By:	EB
Sample Matrix:	NPW		

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 8260B TCL Volatiles (Modified)					
Bromochloromethane	<1	ug/l		12/27/07	BD
Bromodichloromethane	<1	ug/l		12/27/07	BD
Bromoform	<1	ug/l		12/27/07	BD
Bromomethane	<1	ug/l		12/27/07	BD
2-Butanone (MEK)	<10	ug/l		12/27/07	BD
Carbon disulfide	<1	ug/l		12/27/07	BD
Carbon tetrachloride	<1	ug/l		12/27/07	BD
Chlorobenzene	<1	ug/l		12/27/07	BD
Chloroethane	<1	ug/l		12/27/07	BD
Chloromethane	<1	ug/l		12/27/07	BD
Chloroform	<1	ug/l		12/27/07	BD
Dibromochloromethane	<1	ug/l		12/27/07	BD
1,2-Dibromo-3-chloropropane	<1	ug/l		12/27/07	BD
1,2-Dibromoethane(EDB)	<1	ug/l		12/27/07	BD
Dibromomethane	<1	ug/l		12/27/07	BD
1,2-Dichlorobenzene	<1	ug/l		12/27/07	BD
1,4-Dichlorobenzene	<1	ug/l		12/27/07	BD
trans-1,4-Dichloro-2-butene	<5	ug/l		12/27/07	BD
1,1-Dichloroethane	<1	ug/l		12/27/07	BD
1,2-Dichloroethane	<1	ug/l		12/27/07	BD
1,1-Dichloroethene	<1	ug/l		12/27/07	BD
cis-1,2-Dichloroethene	<1	ug/l		12/27/07	BD
trans-1,2-Dichloroethene	<1	ug/l		12/27/07	BD
1,2-Dichloropropane	<1	ug/l		12/27/07	BD
cis-1,3-Dichloropropene	<1	ug/l		12/27/07	BD
trans-1,3-Dichloropropene	<1	ug/l		12/27/07	BD
Ethyl benzene	<1	ug/l		12/27/07	BD
2-Hexanone	<10	ug/l		12/27/07	BD
Iodomethane (Methyl iodide)	<5	ug/l		12/27/07	BD
Methylene chloride	<1	ug/l		12/27/07	BD
4-Methyl-2-pentanone (MIBK)	<10	ug/l		12/27/07	BD
Styrene	<1	ug/l		12/27/07	BD
1,1,1,2-Tetrachloroethane	<1	ug/l		12/27/07	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		12/27/07	BD
Tetrachloroethene	<1	ug/l		12/27/07	BD
Toluene	<1	ug/l		12/27/07	BD
1,1,1-Trichloroethane	<1	ug/l		12/27/07	BD
1,1,2-Trichloroethane	<1	ug/l		12/27/07	BD
Trichloroethene	<1	ug/l		12/27/07	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		12/27/07	BD
1,2,3-Trichloropropane	<1	ug/l		12/27/07	BD
Vinyl acetate	<5	ug/l		12/27/07	BD
Vinyl chloride	<1	ug/l		12/27/07	BD
Xylenes (Total)	<1	ug/l		12/27/07	BD
Surrogate (1,2-DCA-d4)	112	%R		12/27/07	BD
Surrogate (Tol-d8)	102	%R		12/27/07	BD
Surrogate (4-BFB)	109	%R		12/27/07	BD

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID:	MW-3B	LSL Sample ID:	0721017-007
Location:			
Sampled:	12/18/07 13:40	Sampled By:	EB
Sample Matrix:	NPW		

Analytical Method		Prep Date		Analysis Date & Time		Analyst Initials
Analyte	Result	Units				
(1) EPA Method 300.0 A						
Bromide	<0.1*	mg/l		12/20/07	00:58	ANA
Lab control sample is less than established control limits.						
Chloride	90	mg/l		12/20/07	00:58	ANA
Nitrate as N	<0.1	mg/l		12/20/07	00:58	ANA
Sulfate	19*	mg/l		12/20/07	00:58	ANA
Lab control sample is less than established control limits. Result should be considered an estimate - the chromatographic peak was not completely resolved during the analysis.						
(1) Field Parameters						
Static Water Level	26.31	ft.		12/17/07	13:40	PAP
pH	6.87	Std. units		12/18/07	13:40	BDP
Specific Conductance	1.15	mS/cm		12/18/07	13:40	BDP
Turbidity	3	NTU		12/18/07	13:40	BDP
Dissolved Oxygen	1.41	mg/l		12/18/07	13:40	BDP
Temperature @ Collection Point	11.8	Degrees C		12/18/07	13:40	BDP
Eh, Redox potential	100	mV		12/18/07	13:40	BDP
(1) HACH 8000 COD						
Chemical Oxygen Demand	8.3	mg/l		12/20/07		MP
(1) SM 18 2320B, Alkalinity as CaCO3						
Alkalinity	490	mg/l		12/20/07		MSP
(1) SM 18 3500C Hexavalent Chromium						
Chromium, Hexavalent	<0.01	mg/l		12/18/07	23:39	KBB
(1) SM 19 5310C TOC						
Total Organic Carbon	4.8	mg/l		12/19/07		TER
(1) SM18 2120B, Color						
Apparent Color	20	units		12/20/07	14:49	MSP
(1) SM-2540C Total Dissolved Solids						
Total Dissolved Solids @ 180 C	720	mg/l		12/19/07		MM

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID:	PZ-1A	LSL Sample ID:	0721017-009
Location:			
Sampled:	12/19/07 8:55	Sampled By:	EB
Sample Matrix:	NPW		

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	420	mg/l	12/20/07	1/21/08	DP
(1) EPA 200.7 Total Metals					
Boron	<0.5	mg/l	12/20/07	1/2/08	DP
Potassium	2.9	mg/l	12/20/07	1/2/08	DP
Sodium	18**	mg/l	12/20/07	1/2/08	DP
Iron	2.4	mg/l	12/20/07	1/2/08	DP
Manganese	0.67	mg/l	12/20/07	1/2/08	DP
Magnesium	28*	mg/l	12/20/07	1/18/08	DP
Lead	<0.01	mg/l	12/20/07	1/2/08	DP
Cadmium	<0.01	mg/l	12/20/07	1/2/08	DP
Aluminum	1.2	mg/l	12/20/07	1/2/08	DP
Calcium	120*	mg/l	12/20/07	1/18/08	DP
Antimony	<0.01	mg/l	12/20/07	1/2/08	DP
Arsenic	0.016	mg/l	12/20/07	1/2/08	DP
Beryllium	<0.01	mg/l	12/20/07	1/2/08	DP
Barium	<0.2	mg/l	12/20/07	1/2/08	DP
Chromium	<0.01	mg/l	12/20/07	1/2/08	DP
Copper	<0.01	mg/l	12/20/07	1/2/08	DP
Nickel	<0.01	mg/l	12/20/07	1/2/08	DP
Selenium	0.27	mg/l	12/20/07	1/2/08	DP
Silver	<0.01**	mg/l	12/20/07	1/2/08	DP
Thallium	<0.01	mg/l	12/20/07	1/2/08	DP
Zinc	0.022	mg/l	12/20/07	1/2/08	DP
Cobalt	<0.01	mg/l	12/20/07	1/2/08	DP
Vanadium	<0.01	mg/l	12/20/07	1/2/08	DP
(1) EPA 245.1 Mercury					
Mercury	<0.0002	mg/l	12/27/07	12/28/07	DP
(1) EPA 335.4 Total Cyanide					
Cyanide, Total	<0.01	mg/l	12/28/07	1/2/08	DRB
(1) EPA 350.2 Ammonia					
Ammonia as N	<0.03	mg/l		1/8/08	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	0.30***	mg/l	1/8/08	1/10/08	DRB
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	<4	mg/l		12/21/07 08:50	MM
(1) EPA 420.1 Recoverable Phenolics LL					
Phenolics, Total Recoverable	<0.003	mg/l	12/20/07	1/8/08	TER
(1) EPA 8260B TCL Volatiles (Modified)					
Acetone	<10	ug/l		12/27/07	BD
Acrylonitrile	<20	ug/l		12/27/07	BD
Benzene	<1	ug/l		12/27/07	BD
Bromochloromethane	<1	ug/l		12/27/07	BD
Bromodichloromethane	<1	ug/l		12/27/07	BD

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: PZ-1A	LSL Sample ID: 0721017-009
Location:	
Sampled: 12/19/07 8:55	Sampled By: EB
Sample Matrix: NPW	

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA 8260B TCL Volatiles (Modified)					
Bromoform	<1	ug/l		12/27/07	BD
Bromomethane	<1	ug/l		12/27/07	BD
2-Butanone (MEK)	<10	ug/l		12/27/07	BD
Carbon disulfide	<1	ug/l		12/27/07	BD
Carbon tetrachloride	<1	ug/l		12/27/07	BD
Chlorobenzene	<1	ug/l		12/27/07	BD
Chloroethane	<1	ug/l		12/27/07	BD
Chloromethane	<1	ug/l		12/27/07	BD
Chloroform	<1	ug/l		12/27/07	BD
Dibromochloromethane	<1	ug/l		12/27/07	BD
1,2-Dibromo-3-chloropropane	<1	ug/l		12/27/07	BD
1,2-Dibromoethane(EDB)	<1	ug/l		12/27/07	BD
Dibromomethane	<1	ug/l		12/27/07	BD
1,2-Dichlorobenzene	<1	ug/l		12/27/07	BD
1,4-Dichlorobenzene	<1	ug/l		12/27/07	BD
trans-1,4-Dichloro-2-butene	<5	ug/l		12/27/07	BD
1,1-Dichloroethane	<1	ug/l		12/27/07	BD
1,2-Dichloroethane	<1	ug/l		12/27/07	BD
1,1-Dichloroethene	<1	ug/l		12/27/07	BD
cis-1,2-Dichloroethene	<1	ug/l		12/27/07	BD
trans-1,2-Dichloroethene	<1	ug/l		12/27/07	BD
1,2-Dichloropropane	<1	ug/l		12/27/07	BD
cis-1,3-Dichloropropene	<1	ug/l		12/27/07	BD
trans-1,3-Dichloropropene	<1	ug/l		12/27/07	BD
Ethyl benzene	<1	ug/l		12/27/07	BD
2-Hexanone	<10	ug/l		12/27/07	BD
Iodomethane (Methyl iodide)	<5	ug/l		12/27/07	BD
Methylene chloride	<1	ug/l		12/27/07	BD
4-Methyl-2-pentanone (MIBK)	<10	ug/l		12/27/07	BD
Styrene	<1	ug/l		12/27/07	BD
1,1,1,2-Tetrachloroethane	<1	ug/l		12/27/07	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		12/27/07	BD
Tetrachloroethene	<1	ug/l		12/27/07	BD
Toluene	<1	ug/l		12/27/07	BD
1,1,1-Trichloroethane	<1	ug/l		12/27/07	BD
1,1,2-Trichloroethane	<1	ug/l		12/27/07	BD
Trichloroethene	<1	ug/l		12/27/07	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		12/27/07	BD
1,2,3-Trichloropropane	<1	ug/l		12/27/07	BD
Vinyl acetate	<5	ug/l		12/27/07	BD
Vinyl chloride	<1	ug/l		12/27/07	BD
Xylenes (Total)	<1	ug/l		12/27/07	BD
Surrogate (1,2-DCA-d4)	113	%R		12/27/07	BD
Surrogate (Tol-d8)	102	%R		12/27/07	BD
Surrogate (4-BFB)	110	%R		12/27/07	BD

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: PZ-1A LSL Sample ID: 0721017-009

Location:

Sampled: 12/19/07 8:55 Sampled By: EB

Sample Matrix: NPW

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA Method 300.0 A					
Bromide	<0.1*	mg/l		12/20/07 17:48	ANA
Lab control sample is less than established control limits.					
Chloride	32	mg/l		12/20/07 17:48	ANA
Nitrate as N	<0.1	mg/l		12/20/07 17:48	ANA
Sulfate	230*	mg/l		12/20/07 17:48	ANA
Lab control sample is greater than established control limits. Result should be considered an estimate – concentration exceeded linear range of the instrument.					
(1) Field Parameters					
Static Water Level	13.23	ft.		12/17/07	PAP
pH	5.90	Std. Units		12/19/07 08:55	ESB
Specific Conductance	0.761	mS/cm		12/19/07 08:55	ESB
Turbidity	48	NTU		12/19/07 08:55	ESB
Dissolved Oxygen	2.11	mg/L		12/19/07 08:55	ESB
Temperature @ Collection Point	9.4	Degrees C		12/19/07 08:55	ESB
Eh, Redox potential	543	mV		12/19/07 08:55	ESB
(1) HACH 8000 COD					
Chemical Oxygen Demand	22	mg/l		12/20/07	MP
(1) SM 18 2320B, Alkalinity as CaCO3					
Alkalinity	210	mg/l		12/20/07	MSP
(1) SM 18 3500C Hexavalent Chromium					
Chromium, Hexavalent	<0.01	mg/l		12/20/07 09:50	TER
(1) SM 19 5310C TOC					
Total Organic Carbon	<1	mg/l		12/20/07	TER
(1) SM18 2120B, Color					
Apparent Color	50	units		12/20/07 12:40	MSP
(1) SM-2540C Total Dissolved Solids					
Total Dissolved Solids @ 180 C	510	mg/l		12/26/07	MM

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: PZ-11 LSL Sample ID: 0721017-010

Location:

Sampled: 12/19/07 9:10 Sampled By: EB

Sample Matrix: NPW

Analytical Method			Prep	Analysis	Analyst
Analyte	Result	Units	Date	Date & Time	Initials
(1) EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	770	mg/l	12/20/07	1/21/08	DP
(1) EPA 200.7 Total Metals					
Boron	<0.5	mg/l	12/20/07	1/2/08	DP
Potassinm	5.3	mg/l	12/20/07	1/2/08	DP
Sodium	15**	mg/l	12/20/07	1/2/08	DP
Iron	10	mg/l	12/20/07	1/2/08	DP
Manganese	3.6	mg/l	12/20/07	1/2/08	DP
Magnesium	40*	mg/l	12/20/07	1/18/08	DP
Lead	<0.01	mg/l	12/20/07	1/2/08	DP
Cadmium	<0.01	mg/l	12/20/07	1/2/08	DP
Aluminum	0.20	mg/l	12/20/07	1/2/08	DP
Calcium	240*	mg/l	12/20/07	1/18/08	DP
Antimony	<0.01	mg/l	12/20/07	1/2/08	DP
Arsenic	0.019	mg/l	12/20/07	1/2/08	DP
Beryllium	<0.01	mg/l	12/20/07	1/2/08	DP
Barium	<0.2	mg/l	12/20/07	1/2/08	DP
Chromium	<0.01	mg/l	12/20/07	1/2/08	DP
Copper	<0.01	mg/l	12/20/07	1/2/08	DP
Nickel	<0.01	mg/l	12/20/07	1/2/08	DP
Selenium	0.54	mg/l	12/20/07	1/2/08	DP
Silver	<0.01**	mg/l	12/20/07	1/2/08	DP
Thallium	<0.01	mg/l	12/20/07	1/2/08	DP
Zinc	0.048	mg/l	12/20/07	1/2/08	DP
Cobalt	<0.01	mg/l	12/20/07	1/2/08	DP
Vanadium	<0.01	mg/l	12/20/07	1/2/08	DP
(1) EPA 245.1 Mercury					
Mercury	<0.0002	mg/l	12/27/07	12/28/07	DP
(1) EPA 335.4 Total Cyanide					
Cyanide, Total	<0.01	mg/l	12/28/07	1/2/08	DRB
(1) EPA 350.2 Ammonia					
Ammonia as N	<0.03	mg/l		1/8/08	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	0.49***	mg/l	1/8/08	1/10/08	DRB
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	<4	mg/l		12/21/07 08:53	MM
(1) EPA 420.1 Recoverable Phenolics LL					
Phenolics, Total Recoverable	<0.003	mg/l	12/20/07	1/8/08	TER
(1) EPA 8260B TCL Volatiles (Modified)					
Acetone	<10	ug/l		12/27/07	BD
Acrylonitrile	<20	ug/l		12/27/07	BD
Benzene	<1	ug/l		12/27/07	BD
Bromochloromethane	<1	ug/l		12/27/07	BD
Bromodichloromethane	<1	ug/l		12/27/07	BD

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID:	PZ-11	LSL Sample ID:	0721017-010
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Location:

Sampled: 12/19/07 9:10	Sampled By: EB
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Sample Matrix: NPW

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
<i>(1) EPA 8260B TCL Volatiles (Modified)</i>					
Bromoform	<1	ug/l		12/27/07	BD
Bromomethane	<1	ug/l		12/27/07	BD
2-Butanone (MEK)	<10	ug/l		12/27/07	BD
Carbon disulfide	<1	ug/l		12/27/07	BD
Carbon tetrachloride	<1	ug/l		12/27/07	BD
Chlorobenzene	<1	ug/l		12/27/07	BD
Chloroethane	<1	ug/l		12/27/07	BD
Chloromethane	<1	ug/l		12/27/07	BD
Chloroform	<1	ug/l		12/27/07	BD
Dibromochloromethane	<1	ug/l		12/27/07	BD
1,2-Dibromo-3-chloropropane	<1	ug/l		12/27/07	BD
1,2-Dibromoethane(EDB)	<1	ug/l		12/27/07	BD
Dibromomethane	<1	ug/l		12/27/07	BD
1,2-Dichlorobenzene	<1	ug/l		12/27/07	BD
1,4-Dichlorobenzene	<1	ug/l		12/27/07	BD
trans-1,4-Dichloro-2-butene	<5	ug/l		12/27/07	BD
1,1-Dichloroethane	<1	ug/l		12/27/07	BD
1,2-Dichloroethane	<1	ug/l		12/27/07	BD
1,1-Dichloroethene	<1	ug/l		12/27/07	BD
cis-1,2-Dichloroethene	<1	ug/l		12/27/07	BD
trans-1,2-Dichloroethene	<1	ug/l		12/27/07	BD
1,2-Dichloropropane	<1	ug/l		12/27/07	BD
cis-1,3-Dichloropropene	<1	ug/l		12/27/07	BD
trans-1,3-Dichloropropene	<1	ug/l		12/27/07	BD
Ethyl benzene	<1	ug/l		12/27/07	BD
2-Hexanone	<10	ug/l		12/27/07	BD
Iodomethane (Methyl iodide)	<5	ug/l		12/27/07	BD
Methylene chloride	<1	ug/l		12/27/07	BD
4-Methyl-2-pentanone (MIBK)	<10	ug/l		12/27/07	BD
Styrene	<1	ug/l		12/27/07	BD
1,1,1,2-Tetrachloroethane	<1	ug/l		12/27/07	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		12/27/07	BD
Tetrachloroethene	<1	ug/l		12/27/07	BD
Toluene	<1	ug/l		12/27/07	BD
1,1,1-Trichloroethane	<1	ug/l		12/27/07	BD
1,1,2-Trichloroethane	<1	ug/l		12/27/07	BD
Trichloroethene	<1	ug/l		12/27/07	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		12/27/07	BD
1,2,3-Trichloropropane	<1	ug/l		12/27/07	BD
Vinyl acetate	<5	ug/l		12/27/07	BD
Vinyl chloride	<1	ug/l		12/27/07	BD
Xylenes (Total)	<1	ug/l		12/27/07	BD
Surrogate (1,2-DCA-d4)	114	%R		12/27/07	BD
Surrogate (Tol-d8)	103	%R		12/27/07	BD
Surrogate (4-BFB)	109	%R		12/27/07	BD

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: PZ-11 LSL Sample ID: 0721017-010

Location:

Sampled: 12/19/07 9:10 Sampled By: EB

Sample Matrix: NPW

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA Method 300.0 A					
Bromide	<0.1*	mg/l		12/20/07 18:50	ANA
Lab control sample is less than established control limits.					
Chloride	22	mg/l		12/20/07 18:50	ANA
Nitrate as N	<0.1	mg/l		12/20/07 18:50	ANA
Sulfate	130*	mg/l		12/20/07 18:50	ANA
Lab control sample is greater than established control limits. Result should be considered an estimate – concentration exceeded linear range of the instrument.					
(1) Field Parameters					
Static Water Level	18.22	ft.		12/17/07	PAP
pH	6.32	Std. Units		12/19/07 09:10	ESB
Specific Conductance	1.26	mS/cm		12/19/07 09:10	ESB
Turbidity	23	NTU		12/19/07 09:10	ESB
Dissolved Oxygen	1.12	mg/L		12/19/07 09:10	ESB
Temperature @ Collection Point	11.4	Degrees C		12/19/07 09:10	ESB
Eh, Redox potential	230	mV		12/19/07 09:10	ESB
(1) HACH 8000 COD					
Chemical Oxygen Demand	12	mg/l		12/20/07	MP
(1) SM 18 2320B, Alkalinity as CaCO3					
Alkalinity	610	mg/l		12/20/07	MSP
(1) SM 18 3500C Hexavalent Chromium					
Chromium, Hexavalent	<0.01	mg/l		12/20/07 09:50	TER
(1) SM 19 5310C TOC					
Total Organic Carbon	4.9	mg/l		12/20/07	TER
(1) SM18 2120B, Color					
Apparent Color	50	units		12/20/07 12:40	MSP
(1) SM-2540C Total Dissolved Solids					
Total Dissolved Solids @ 180 C	770	mg/l		12/26/07	MM

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID:	MW-223-S	LSL Sample ID:	0721017-011
Location:			
Sampled:	12/19/07 9:30	Sampled By:	EB
Sample Matrix:	NPW		

Analytical Method					
Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
<i>(1) EPA 200.7 Soluble Metals</i>					
Potassium	1.8	mg/l	12/20/07	1/2/08	DP
Iron	4.0	mg/l	12/20/07	1/2/08	DP
Manganese	1.9	mg/l	12/20/07	1/2/08	DP
Magnesium	47*	mg/l	12/20/07	1/18/08	DP
Lead	<0.01	mg/l	12/20/07	1/2/08	DP
Cadmium	<0.01	mg/l	12/20/07	1/2/08	DP
Aluminum	<0.1	mg/l	12/20/07	1/2/08	DP
Calcium	150*	mg/l	12/20/07	1/18/08	DP
Antimony	<0.01	mg/l	12/20/07	1/2/08	DP
Arsenic	0.018	mg/l	12/20/07	1/2/08	DP
Beryllium	<0.01	mg/l	12/20/07	1/2/08	DP
Barium	<0.2	mg/l	12/20/07	1/2/08	DP
Chromium	<0.01	mg/l	12/20/07	1/2/08	DP
Copper	<0.01	mg/l	12/20/07	1/2/08	DP
Nickel	<0.01	mg/l	12/20/07	1/2/08	DP
Selenium	0.36	mg/l	12/20/07	1/2/08	DP
Silver	<0.01**	mg/l	12/20/07	1/2/08	DP
Thallium	<0.01	mg/l	12/20/07	1/2/08	DP
Zinc	0.034	mg/l	12/20/07	1/2/08	DP
Cobalt	<0.01	mg/l	12/20/07	1/2/08	DP
Vanadium	<0.01	mg/l	12/20/07	1/2/08	DP
Sodium	17**	mg/l	12/20/07	1/2/08	DP
<i>(1) EPA 200.7 Total Hardness as CaCO3</i>					
Hardness, Total	700	mg/l	12/20/07	1/21/08	DP
<i>(1) EPA 200.7 Total Metals</i>					
Boron	<0.5	mg/l	12/20/07	1/2/08	DP
Potassium	2.8	mg/l	12/20/07	1/2/08	DP
Sodium	19**	mg/l	12/20/07	1/2/08	DP
Iron	11	mg/l	12/20/07	1/2/08	DP
Manganese	2.3	mg/l	12/20/07	1/2/08	DP
Magnesium	51*	mg/l	12/20/07	1/18/08	DP
Lead	<0.01	mg/l	12/20/07	1/2/08	DP
Cadmium	<0.01	mg/l	12/20/07	1/2/08	DP
Aluminum	2.5	mg/l	12/20/07	1/2/08	DP
Calcium	200*	mg/l	12/20/07	1/18/08	DP
Antimony	<0.01	mg/l	12/20/07	1/2/08	DP
Arsenic	0.024	mg/l	12/20/07	1/2/08	DP
Beryllium	<0.01	mg/l	12/20/07	1/2/08	DP
Barium	<0.2	mg/l	12/20/07	1/2/08	DP
Chromium	<0.01	mg/l	12/20/07	1/2/08	DP
Copper	0.012	mg/l	12/20/07	1/2/08	DP
Nickel	<0.01	mg/l	12/20/07	1/2/08	DP
Selenium	0.48	mg/l	12/20/07	1/2/08	DP
Silver	<0.01**	mg/l	12/20/07	1/2/08	DP
Thallium	<0.01	mg/l	12/20/07	1/2/08	DP
Zinc	0.063	mg/l	12/20/07	1/2/08	DP

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-223-S **LSL Sample ID:** 0721017-011

Location:

Sampled: 12/19/07 9:30 **Sampled By:** EB

Sample Matrix: NPW

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA 200.7 Total Metals					
Cobalt	<0.01	mg/l	12/20/07	1/2/08	DP
Vanadium	<0.01	mg/l	12/20/07	1/2/08	DP
(1) EPA 245.1 Mercury					
Mercury	<0.0002	mg/l	12/27/07	12/28/07	DP
(1) EPA 245.1 Soluble Mercury					
Mercury	<0.0002	mg/l	12/27/07	12/28/07	DP
(1) EPA 335.4 Total Cyanide					
Cyanide, Total	<0.01	mg/l	12/28/07	1/2/08	DRB
(1) EPA 350.2 Ammonia					
Ammonia as N	<0.03	mg/l		1/8/08	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	0.36***	mg/l	1/8/08	1/10/08	DRB
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	<4	mg/l		12/21/07 09:00	MM
(1) EPA 420.1 Recoverable Phenolics LL					
Phenolics, Total Recoverable	<0.003	mg/l	12/20/07	1/8/08	TER
(1) EPA 8260B TCL Volatiles (Modified)					
Acetone	<10	ug/l		12/27/07	BD
Acrylonitrile	<20	ug/l		12/27/07	BD
Benzene	<1	ug/l		12/27/07	BD
Bromochloromethane	<1	ug/l		12/27/07	BD
Bromodichloromethane	<1	ug/l		12/27/07	BD
Bromoform	<1	ug/l		12/27/07	BD
Bromomethane	<1	ug/l		12/27/07	BD
2-Butanone (MEK)	<10	ug/l		12/27/07	BD
Carbon disulfide	<1	ug/l		12/27/07	BD
Carbon tetrachloride	<1	ug/l		12/27/07	BD
Chlorobenzene	<1	ug/l		12/27/07	BD
Chloroethane	<1	ug/l		12/27/07	BD
Chloromethane	<1	ug/l		12/27/07	BD
Chloroform	<1	ug/l		12/27/07	BD
Dibromochloromethane	<1	ug/l		12/27/07	BD
1,2-Dibromo-3-chloropropane	<1	ug/l		12/27/07	BD
1,2-Dibromoethane(EDB)	<1	ug/l		12/27/07	BD
Dibromomethane	<1	ug/l		12/27/07	BD
1,2-Dichlorobenzene	<1	ug/l		12/27/07	BD
1,4-Dichlorobenzene	<1	ug/l		12/27/07	BD
trans-1,4-Dichloro-2-butene	<5	ug/l		12/27/07	BD
1,1-Dichloroethane	<1	ug/l		12/27/07	BD
1,2-Dichloroethane	<1	ug/l		12/27/07	BD
1,1-Dichloroethene	<1	ug/l		12/27/07	BD
cis-1,2-Dichloroethene	<1	ug/l		12/27/07	BD
trans-1,2-Dichloroethene	<1	ug/l		12/27/07	BD

-- LABORATORY ANALYSIS REPORT --

C&S Engineers, Inc. N. Syracuse, NY

Sample ID:	MW-223-S	LSL Sample ID:	0721017-011
Location:			
Sampled:	12/19/07 9:30	Sampled By:	EB
Sample Matrix:	NPW		

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
<i>(1) EPA 8260B TCL Volatiles (Modified)</i>					
1,2-Dichloropropane	<1	ug/l		12/27/07	BD
cis-1,3-Dichloropropene	<1	ug/l		12/27/07	BD
trans-1,3-Dichloropropene	<1	ug/l		12/27/07	BD
Ethyl benzene	<1	ug/l		12/27/07	BD
2-Hexanone	<10	ug/l		12/27/07	BD
Iodomethane (Methyl iodide)	<5	ug/l		12/27/07	BD
Methylene chloride	<1	ug/l		12/27/07	BD
4-Methyl-2-pentanone (MIBK)	<10	ug/l		12/27/07	BD
Styrene	<1	ug/l		12/27/07	BD
1,1,1,2-Tetrachloroethane	<1	ug/l		12/27/07	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		12/27/07	BD
Tetrachloroethene	<1	ug/l		12/27/07	BD
Toluene	<1	ug/l		12/27/07	BD
1,1,1-Trichloroethane	<1	ug/l		12/27/07	BD
1,1,2-Trichloroethane	<1	ug/l		12/27/07	BD
Trichloroethene	<1	ug/l		12/27/07	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		12/27/07	BD
1,2,3-Trichloropropane	<1	ug/l		12/27/07	BD
Vinyl acetate	<5	ug/l		12/27/07	BD
Vinyl chloride	<1	ug/l		12/27/07	BD
Xylenes (Total)	<1	ug/l		12/27/07	BD
Surrogate (1,2-DCA-d4)	111	%R		12/27/07	BD
Surrogate (Tol-d8)	102	%R		12/27/07	BD
Surrogate (4-BFB)	111	%R		12/27/07	BD
<i>(1) EPA Method 300.0 A</i>					
Bromide	<0.1*	mg/l		12/20/07 19:11	ANA
<i>Lab control sample is less than established control limits.</i>					
Chloride	12	mg/l		12/20/07 19:11	ANA
Nitrate as N	<0.1	mg/l		12/20/07 19:11	ANA
Sulfate	79*	mg/l		12/20/07 19:11	ANA
<i>Lab control sample is greater than established control limits.</i>					
<i>(1) Field Parameters</i>					
Static Water Level	17.16	ft.		12/17/07	PAP
pH	6.72	Std. Units		12/19/07 09:30	ESB
Specific Conductance	1.06	mS/cm		12/19/07 09:30	ESB
Turbidity	238	NTU		12/19/07 09:30	ESB
Dissolved Oxygen	0.49	mg/L		12/19/07 09:30	ESB
Temperature @ Collection Point	9.8	Degrees C		12/19/07 09:30	ESB
Eh, Redox potential	254	mV		12/19/07 09:30	ESB
<i>(1) Filtering Charge for Dissolved Metals</i>					
Laboratory filtration charge				12/19/07	ESB
<i>(1) HACH 8000 COD</i>					
Chemical Oxygen Demand	28	mg/l		12/20/07	MP
<i>(1) SM 18 2320B, Alkalinity as CaCO3</i>					
Alkalinity	550	mg/l		12/20/07	MSP

-- LABORATORY ANALYSIS REPORT --

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-223-S LSL Sample ID: 0721017-011

Location:

Sampled: 12/19/07 9:30 Sampled By: EB

Sample Matrix: NPW

Analytical Method		Prep		Analysis		Analyst
Analyte	Result	Units	Date	Date & Time	Initials	
(1) SM 18 3500C Hexavalent Chromium						
Chromium, Hexavalent	<0.01	mg/l		12/20/07 09:50		TER
(1) SM 19 5310C TOC						
Total Organic Carbon	3.9	mg/l		12/20/07		TER
(1) SM18 2120B, Color						
Apparent Color	75	units		12/20/07 12:40		MSP
(1) SM-2540C Total Dissolved Solids						
Total Dissolved Solids @ 180 C	620	mg/l		12/26/07		MM

-- LABORATORY ANALYSIS REPORT --

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-223-D	LSL Sample ID: 0721017-012	
Location:		
Sampled: 12/19/07 9:40	Sampled By: EB	
Sample Matrix: NPW		

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(I) EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	610	mg/l	12/20/07	1/21/08	DP
(I) EPA 200.7 Total Metals					
Boron	<0.5	mg/l	12/20/07	1/2/08	DP
Potassium	1.9	mg/l	12/20/07	1/2/08	DP
Sodium	15**	mg/l	12/20/07	1/2/08	DP
Iron	2.8	mg/l	12/20/07	1/2/08	DP
Manganese	1.4	mg/l	12/20/07	1/2/08	DP
Magnesium	44*	mg/l	12/20/07	1/18/08	DP
Lead	<0.01	mg/l	12/20/07	1/2/08	DP
Cadmium	<0.01	mg/l	12/20/07	1/2/08	DP
Aluminum	0.57	mg/l	12/20/07	1/2/08	DP
Calcium	170*	mg/l	12/20/07	1/18/08	DP
Antimony	<0.01	mg/l	12/20/07	1/2/08	DP
Arsenic	0.029	mg/l	12/20/07	1/2/08	DP
Beryllium	<0.01	mg/l	12/20/07	1/2/08	DP
Barium	<0.2	mg/l	12/20/07	1/2/08	DP
Chromium	<0.01	mg/l	12/20/07	1/2/08	DP
Copper	<0.01	mg/l	12/20/07	1/2/08	DP
Nickel	<0.01	mg/l	12/20/07	1/2/08	DP
Selenium	0.40	mg/l	12/20/07	1/2/08	DP
Silver	<0.01**	mg/l	12/20/07	1/2/08	DP
Thallium	<0.01	mg/l	12/20/07	1/2/08	DP
Zinc	0.051	mg/l	12/20/07	1/2/08	DP
Cobalt	<0.01	mg/l	12/20/07	1/2/08	DP
Vanadium	<0.01	mg/l	12/20/07	1/2/08	DP
(I) EPA 245.1 Mercury					
Mercury	<0.0002	mg/l	12/27/07	12/28/07	DP
(I) EPA 335.4 Total Cyanide					
Cyanide, Total	<0.01	mg/l	12/28/07	1/2/08	DRB
(I) EPA 350.2 Ammonia					
Ammonia as N	<0.03	mg/l		1/8/08	DRB
(I) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	0.30***	mg/l	1/8/08	1/10/08	DRB
(I) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	<4	mg/l		12/21/07 09:02	MM
(I) EPA 420.1 Recoverable Phenolics LL					
Phenolics, Total Recoverable	<0.003	mg/l	12/20/07	1/8/08	TER
(I) EPA 8260B TCL Volatiles (Modified)					
Acetone	<10	ug/l		12/27/07	BD
Acrylonitrile	<20	ug/l		12/27/07	BD
Benzene	<1	ug/l		12/27/07	BD
Bromochloromethane	<1	ug/l		12/27/07	BD
Bromodichloromethane	<1	ug/l		12/27/07	BD

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID:	MW-223-D	LSL Sample ID:	0721017-012
Location:			
Sampled:	12/19/07 9:40	Sampled By:	EB
Sample Matrix:	NPW		

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA 8260B TCL Volatiles (Modified)					
Bromoform	<1	ug/l		12/27/07	BD
Bromomethane	<1	ug/l		12/27/07	BD
2-Butanone (MEK)	<10	ug/l		12/27/07	BD
Carbon disulfide	<1	ug/l		12/27/07	BD
Carbon tetrachloride	<1	ug/l		12/27/07	BD
Chlorobenzene	<1	ug/l		12/27/07	BD
Chloroethane	<1	ug/l		12/27/07	BD
Chloromethane	<1	ug/l		12/27/07	BD
Chloroform	<1	ug/l		12/27/07	BD
Dibromochloromethane	<1	ug/l		12/27/07	BD
1,2-Dibromo-3-chloropropane	<1	ug/l		12/27/07	BD
1,2-Dibromoethane(EDB)	<1	ug/l		12/27/07	BD
Dibromomethane	<1	ug/l		12/27/07	BD
1,2-Dichlorobenzene	<1	ug/l		12/27/07	BD
1,4-Dichlorobenzene	<1	ug/l		12/27/07	BD
trans-1,4-Dichloro-2-butene	<5	ug/l		12/27/07	BD
1,1-Dichloroethane	<1	ug/l		12/27/07	BD
1,2-Dichloroethane	<1	ug/l		12/27/07	BD
1,1-Dichloroethene	<1	ug/l		12/27/07	BD
cis-1,2-Dichloroethene	<1	ug/l		12/27/07	BD
trans-1,2-Dichloroethene	<1	ug/l		12/27/07	BD
1,2-Dichloropropane	<1	ug/l		12/27/07	BD
cis-1,3-Dichloropropene	<1	ug/l		12/27/07	BD
trans-1,3-Dichloropropene	<1	ug/l		12/27/07	BD
Ethyl benzene	<1	ug/l		12/27/07	BD
2-Hexanone	<10	ug/l		12/27/07	BD
Iodomethane (Methyl iodide)	<5	ug/l		12/27/07	BD
Methylene chloride	<1	ug/l		12/27/07	BD
4-Methyl-2-pentanone (MIBK)	<10	ug/l		12/27/07	BD
Styrene	<1	ug/l		12/27/07	BD
1,1,1,2-Tetrachloroethane	<1	ug/l		12/27/07	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		12/27/07	BD
Tetrachloroethene	<1	ug/l		12/27/07	BD
Toluene	<1	ug/l		12/27/07	BD
1,1,1-Trichloroethane	<1	ug/l		12/27/07	BD
1,1,2-Trichloroethane	<1	ug/l		12/27/07	BD
Trichloroethene	<1	ug/l		12/27/07	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		12/27/07	BD
1,2,3-Trichloropropane	<1	ug/l		12/27/07	BD
Vinyl acetate	<5	ug/l		12/27/07	BD
Vinyl chloride	<1	ug/l		12/27/07	BD
Xylenes (Total)	<1	ug/l		12/27/07	BD
Surrogate (1,2-DCA-d4)	113	%R		12/27/07	BD
Surrogate (Tol-d8)	101	%R		12/27/07	BD
Surrogate (4-BFB)	109	%R		12/27/07	BD

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-223-D	LSL Sample ID: 0721017-012
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Location:

Sampled: 12/19/07 9:40	Sampled By: EB
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Sample Matrix: NPW

Analytical Method				Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units				
<i>(1) EPA Method 300.0 A</i>						
Bromide	<0.1*	mg/l			12/20/07 19:31	ANA
<i>Lab control sample is less than established control limits.</i>						
Chloride	18	mg/l			12/20/07 19:31	ANA
Nitrate as N	<0.1	mg/l			12/20/07 19:31	ANA
Sulfate	100*	mg/l			12/20/07 19:31	ANA
<i>Lab control sample is greater than established control limits.</i>						
<i>(1) Field Parameters</i>						
Static Water Level	17.45	ft.			12/17/07	PAP
pH	6.85	Std. Units			12/19/07 09:40	ESB
Specific Conductance	1.06	mS/cm			12/19/07 09:40	ESB
Turbidity	3	NTU			12/19/07 09:40	ESB
Dissolved Oxygen	1.04	mg/L			12/19/07 09:40	ESB
Temperature @ Collection Point	10.2	Degrees C			12/19/07 09:40	ESB
Eh, Redox potential	310	mV			12/19/07 09:40	ESB
<i>(1) HACH 8000 COD</i>						
Chemical Oxygen Demand	12	mg/l			12/20/07	MP
<i>(1) SM 18 2320B, Alkalinity as CaCO3</i>						
Alkalinity	530	mg/l			12/20/07	MSP
<i>(1) SM 18 3500C Hexavalent Chromium</i>						
Chromium, Hexavalent	<0.01	mg/l			12/20/07 09:50	TER
<i>(1) SM 19 5310C TOC</i>						
Total Organic Carbon	2.9	mg/l			12/20/07	TER
<i>(1) SM18 2120B, Color</i>						
Apparent Color	25	units			12/20/07 12:40	MSP
<i>(1) SM-2540C Total Dissolved Solids</i>						
Total Dissolved Solids @ 180 C	640	mg/l			12/26/07	MM

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-207SA LSL Sample ID: 0721017-013

Location:

Sampled: 12/19/07 10:05 Sampled By: EB

Sample Matrix: NPW

Analytical Method			Prep	Analysis	Analyst
Analyte	Result	Units	Date	Date & Time	Initials
(1) EPA 200.7 Soluble Metals					
Potassium	3.6	mg/l	12/20/07	1/2/08	DP
Iron	17	mg/l	12/20/07	1/2/08	DP
Manganese	0.69	mg/l	12/20/07	1/2/08	DP
Magnesium	30*	mg/l	12/20/07	1/18/08	DP
Lead	<0.01	mg/l	12/20/07	1/2/08	DP
Cadmium	<0.01	mg/l	12/20/07	1/2/08	DP
Aluminum	0.11	mg/l	12/20/07	1/2/08	DP
Calcium	150*	mg/l	12/20/07	1/18/08	DP
Antimony	<0.01	mg/l	12/20/07	1/2/08	DP
Arsenic	0.052	mg/l	12/20/07	1/2/08	DP
Beryllium	<0.01	mg/l	12/20/07	1/2/08	DP
Barium	0.40	mg/l	12/20/07	1/2/08	DP
Chromium	<0.01	mg/l	12/20/07	1/2/08	DP
Copper	<0.01	mg/l	12/20/07	1/2/08	DP
Nickel	0.011	mg/l	12/20/07	1/2/08	DP
Selenium	0.35	mg/l	12/20/07	1/2/08	DP
Silver	<0.01**	mg/l	12/20/07	1/2/08	DP
Thallium	<0.01	mg/l	12/20/07	1/2/08	DP
Zinc	0.026	mg/l	12/20/07	1/2/08	DP
Cobalt	<0.01	mg/l	12/20/07	1/2/08	DP
Vanadium	<0.01	mg/l	12/20/07	1/2/08	DP
Sodium	10**	mg/l	12/20/07	1/2/08	DP
(1) EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	590	mg/l	12/20/07	1/21/08	DP
(1) EPA 200.7 Total Metals					
Boron	<0.5	mg/l	12/20/07	1/2/08	DP
Potassium	6.8	mg/l	12/20/07	1/2/08	DP
Sodium	9.5**	mg/l	12/20/07	1/2/08	DP
Iron	45	mg/l	12/20/07	1/2/08	DP
Manganese	1.3	mg/l	12/20/07	1/2/08	DP
Magnesium	40*	mg/l	12/20/07	1/18/08	DP
Lead	0.042	mg/l	12/20/07	1/2/08	DP
Cadmium	<0.01	mg/l	12/20/07	1/2/08	DP
Aluminum	15	mg/l	12/20/07	1/2/08	DP
Calcium	170*	mg/l	12/20/07	1/18/08	DP
Antimony	<0.01	mg/l	12/20/07	1/2/08	DP
Arsenic	0.081	mg/l	12/20/07	1/2/08	DP
Beryllium	<0.01	mg/l	12/20/07	1/2/08	DP
Barium	0.51	mg/l	12/20/07	1/2/08	DP
Chromium	0.021	mg/l	12/20/07	1/2/08	DP
Copper	0.16	mg/l	12/20/07	1/2/08	DP
Nickel	0.052	mg/l	12/20/07	1/2/08	DP
Selenium	0.48	mg/l	12/20/07	1/2/08	DP
Silver	<0.01**	mg/l	12/20/07	1/2/08	DP
Thallium	<0.01	mg/l	12/20/07	1/2/08	DP
Zinc	0.23	mg/l	12/20/07	1/2/08	DP

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-207SA LSL Sample ID: 0721017-013

Location:

Sampled: 12/19/07 10:05 Sampled By: EB

Sample Matrix: NPW

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 200.7 Total Metals					
Cobalt	0.022	mg/l	12/20/07	1/2/08	DP
Vanadium	0.012	mg/l	12/20/07	1/2/08	DP
(1) EPA 245.1 Mercury					
Mercury	<0.0002	mg/l	12/27/07	12/28/07	DP
(1) EPA 245.1 Soluble Mercury					
Mercury	<0.0002	mg/l	12/28/07	12/28/07	DP
(1) EPA 335.4 Total Cyanide					
Cyanide, Total	<0.01	mg/l	12/28/07	1/2/08	DRB
(1) EPA 350.2 Ammonia					
Ammonia as N	0.087	mg/l		1/8/08	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	0.51***	mg/l	1/8/08	1/10/08	DRB
*As per NELAC regulation disclosure of the following condition is required; The result of a calibration check sample associated with this analysis was greater than the established control limit.					
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	<4	mg/l		12/21/07 09:50	MM
(1) EPA 420.1 Recoverable Phenolics LL					
Phenolics, Total Recoverable	<0.003	mg/l	12/20/07	1/8/08	TER
(1) EPA 8260B TCL Volatiles (Modified)					
Acetone	<10	ug/l		12/27/07	BD
Acrylonitrile	<20	ug/l		12/27/07	BD
Benzene	<1	ug/l		12/27/07	BD
Bromochloromethane	<1	ug/l		12/27/07	BD
Bromodichloromethane	<1	ug/l		12/27/07	BD
Bromoform	<1	ug/l		12/27/07	BD
Bromomethane	<1	ug/l		12/27/07	BD
2-Butanone (MEK)	<10	ug/l		12/27/07	BD
Carbon disulfide	<1	ug/l		12/27/07	BD
Carbon tetrachloride	<1	ug/l		12/27/07	BD
Chlorobenzene	<1	ug/l		12/27/07	BD
Chloroethane	<1	ug/l		12/27/07	BD
Chloromethane	<1	ug/l		12/27/07	BD
Chloroform	<1	ug/l		12/27/07	BD
Dibromochloromethane	<1	ug/l		12/27/07	BD
1,2-Dibromo-3-chloropropane	<1	ug/l		12/27/07	BD
1,2-Dibromoethane(EDB)	<1	ug/l		12/27/07	BD
Dibromomethane	<1	ug/l		12/27/07	BD
1,2-Dichlorobenzene	<1	ug/l		12/27/07	BD
1,4-Dichlorobenzene	<1	ug/l		12/27/07	BD
trans-1,4-Dichloro-2-butene	<5	ug/l		12/27/07	BD
1,1-Dichloroethane	<1	ug/l		12/27/07	BD
1,2-Dichloroethane	<1	ug/l		12/27/07	BD
1,1-Dichloroethene	<1	ug/l		12/27/07	BD
cis-1,2-Dichloroethene	<1	ug/l		12/27/07	BD

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-207SA LSL Sample ID: 0721017-013

Location:

Sampled: 12/19/07 10:05 Sampled By: EB

Sample Matrix: NPW

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					

(1) EPA 8260B TCL Volatiles (Modified)

trans-1,2-Dichloroethene	<1	ug/l		12/27/07	BD
1,2-Dichloropropane	<1	ug/l		12/27/07	BD
cis-1,3-Dichloropropene	<1	ug/l		12/27/07	BD
trans-1,3-Dichloropropene	<1	ug/l		12/27/07	BD
Ethyl benzene	<1	ug/l		12/27/07	BD
2-Hexanone	<10	ug/l		12/27/07	BD
Iodomethane (Methyl iodide)	<5	ug/l		12/27/07	BD
Methylene chloride	<1	ug/l		12/27/07	BD
4-Methyl-2-pentanone (MIBK)	<10	ug/l		12/27/07	BD
Styrene	<1	ug/l		12/27/07	BD
1,1,1,2-Tetrachloroethane	<1	ug/l		12/27/07	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		12/27/07	BD
Tetrachloroethene	<1	ug/l		12/27/07	BD
Toluene	<1	ug/l		12/27/07	BD
1,1,1-Trichloroethane	<1	ug/l		12/27/07	BD
1,1,2-Trichloroethane	<1	ug/l		12/27/07	BD
Trichloroethene	<1	ug/l		12/27/07	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		12/27/07	BD
1,2,3-Trichloropropane	<1	ug/l		12/27/07	BD
Vinyl acetate	<5	ug/l		12/27/07	BD
Vinyl chloride	<1	ug/l		12/27/07	BD
Xylenes (Total)	<1	ug/l		12/27/07	BD
Surrogate (1,2-DCA-d4)	112	%R		12/27/07	BD
Surrogate (Tol-d8)	103	%R		12/27/07	BD
Surrogate (4-BFB)	109	%R		12/27/07	BD

(1) EPA Method 300.0 A

Bromide	<0.1*	mg/l		12/20/07 19:52	ANA
<i>Lab control sample is less than established control limits.</i>					
Chloride	12	mg/l		12/20/07 19:52	ANA
Nitrate as N	<0.1	mg/l		12/20/07 19:52	ANA
Sulfate	5.7*	mg/l		12/20/07 19:52	ANA
<i>Lab control sample is greater than established control limits.</i>					

(1) Field Parameters

Static Water Level	18.10	ft.		12/17/07	PAP
pH	6.44	Std. Units		12/19/07 10:05	ESB
Specific Conductance	0.820	mS/cm		12/19/07 10:05	ESB
Turbidity	406	NTU		12/19/07 10:05	ESB
Dissolved Oxygen	0.38	mg/L		12/19/07 10:05	ESB
Temperature @ Collection Point	10.8	Degrees C		12/19/07 10:05	ESB
Eh, Redox potential	125	mV		12/19/07 10:05	ESB

(1) Filtering Charge for Dissolved Metals

Laboratory filtration charge				12/19/07	ESB
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(1) HACH 8000 COD

Chemical Oxygen Demand	54	mg/l		12/20/07	MP
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-- LABORATORY ANALYSIS REPORT --

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-207SA

LSL Sample ID: 0721017-013

Location:

Sampled: 12/19/07 10:05

Sampled By: EB

Sample Matrix: NPW

Analytical Method		Prep		Analysis		Analyst
Analyte	Result	Units	Date	Date & Time	Initials	
(1) SM 18 2320B, Alkalinity as CaCO ₃ Alkalinity	520	mg/l		12/20/07		MSP
(1) SM 18 3500C Hexavalent Chromium Chromium, Hexavalent	<0.01	mg/l		12/20/07 09:50		TER
(1) SM 19 5310C TOC Total Organic Carbon	3.4	mg/l		12/20/07		TER
(1) SM18 2120B, Color Apparent Color	50	units		12/20/07 12:40		MSP
(1) SM-2540C Total Dissolved Solids Total Dissolved Solids @ 180 C	500	mg/l		12/26/07		MM

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID:	MW-207-D	LSL Sample ID:	0721017-014
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Location:

Sampled:	12/19/07 10:15	Sampled By: EB
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Sample Matrix: NPW

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			

(1) EPA 200.7 Soluble Metals

Potassium	2.5	mg/l	12/20/07	1/2/08	DP
Iron	0.11	mg/l	12/20/07	1/2/08	DP
Manganese	1.5	mg/l	12/20/07	1/2/08	DP
Magnesium	25*	mg/l	12/20/07	1/18/08	DP
Lead	<0.01	mg/l	12/20/07	1/2/08	DP
Cadmium	<0.01	mg/l	12/20/07	1/2/08	DP
Aluminum	<0.1	mg/l	12/20/07	1/2/08	DP
Calcium	120*	mg/l	12/20/07	1/18/08	DP
Antimony	<0.01	mg/l	12/20/07	1/2/08	DP
Arsenic	0.027	mg/l	12/20/07	1/2/08	DP
Beryllium	<0.01	mg/l	12/20/07	1/2/08	DP
Barium	<0.2	mg/l	12/20/07	1/2/08	DP
Chromium	<0.01	mg/l	12/20/07	1/2/08	DP
Copper	<0.01	mg/l	12/20/07	1/2/08	DP
Nickel	<0.01	mg/l	12/20/07	1/2/08	DP
Selenium	0.26	mg/l	12/20/07	1/2/08	DP
Silver	<0.01**	mg/l	12/20/07	1/2/08	DP
Thallium	<0.01	mg/l	12/20/07	1/2/08	DP
Zinc	0.037	mg/l	12/20/07	1/2/08	DP
Cobalt	<0.01	mg/l	12/20/07	1/2/08	DP
Vanadium	<0.01	mg/l	12/20/07	1/2/08	DP
Sodium	13**	mg/l	12/20/07	1/2/08	DP

(1) EPA 200.7 Total Hardness as CaCO3

Hardness, Total	480	mg/l	12/20/07	1/21/08	DP
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(1) EPA 200.7 Total Metals

Boron	<0.5	mg/l	12/20/07	1/2/08	DP
Potassium	3.7	mg/l	12/20/07	1/2/08	DP
Sodium	13**	mg/l	12/20/07	1/2/08	DP
Iron	11	mg/l	12/20/07	1/2/08	DP
Manganese	2.2	mg/l	12/20/07	1/2/08	DP
Magnesium	30*	mg/l	12/20/07	1/18/08	DP
Lead	<0.01	mg/l	12/20/07	1/2/08	DP
Cadmium	<0.01	mg/l	12/20/07	1/2/08	DP
Aluminum	3.3	mg/l	12/20/07	1/2/08	DP
Calcium	140*	mg/l	12/20/07	1/18/08	DP
Antimony	<0.01	mg/l	12/20/07	1/2/08	DP
Arsenic	0.059	mg/l	12/20/07	1/2/08	DP
Beryllium	<0.01	mg/l	12/20/07	1/2/08	DP
Barium	<0.2	mg/l	12/20/07	1/2/08	DP
Chromium	<0.01	mg/l	12/20/07	1/2/08	DP
Copper	0.014	mg/l	12/20/07	1/2/08	DP
Nickel	<0.01	mg/l	12/20/07	1/2/08	DP
Selenium	0.33	mg/l	12/20/07	1/2/08	DP
Silver	<0.01**	mg/l	12/20/07	1/2/08	DP
Thallium	<0.01	mg/l	12/20/07	1/2/08	DP
Zinc	0.081	mg/l	12/20/07	1/2/08	DP

-- LABORATORY ANALYSIS REPORT --

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-207-D **LSL Sample ID:** 0721017-014

Location:

Sampled: 12/19/07 10:15 **Sampled By:** EB

Sample Matrix: NPW

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(I) EPA 200.7 Total Metals					
Cobalt	<0.01	mg/l	12/20/07	1/2/08	DP
Vanadium	<0.01	mg/l	12/20/07	1/2/08	DP
(I) EPA 245.1 Mercury					
Mercury	<0.0002	mg/l	12/28/07	12/28/07	DP
(I) EPA 245.1 Soluble Mercury					
Mercury	<0.0002	mg/l	12/28/07	12/28/07	DP
(I) EPA 335.4 Total Cyanide					
Cyanide, Total	<0.01	mg/l	12/28/07	1/2/08	DRB
(I) EPA 350.2 Ammonia					
Ammonia as N	<0.03	mg/l		1/8/08	DRB
(I) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	0.21***	mg/l	1/8/08	1/10/08	DRB
(I) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	<4	mg/l		12/21/07 09:52	MM
(I) EPA 420.1 Recoverable Phenolics LL					
Phenolics, Total Recoverable	<0.003	mg/l	12/21/07	1/9/08	TER
(I) EPA 8260B TCL Volatiles (Modified)					
Acetone	<10	ug/l		12/27/07	BD
Acrylonitrile	<20	ug/l		12/27/07	BD
Benzene	<1	ug/l		12/27/07	BD
Bromochloromethane	<1	ug/l		12/27/07	BD
Bromodichloromethane	<1	ug/l		12/27/07	BD
Bromoform	<1	ug/l		12/27/07	BD
Bromomethane	<1	ug/l		12/27/07	BD
2-Butanone (MEK)	<10	ug/l		12/27/07	BD
Carbon disulfide	<1	ug/l		12/27/07	BD
Carbon tetrachloride	<1	ug/l		12/27/07	BD
Chlorobenzene	<1	ug/l		12/27/07	BD
Chloroethane	<1	ug/l		12/27/07	BD
Chloromethane	<1	ug/l		12/27/07	BD
Chloroform	<1	ug/l		12/27/07	BD
Dibromochloromethane	<1	ug/l		12/27/07	BD
1,2-Dibromo-3-chloropropane	<1	ug/l		12/27/07	BD
1,2-Dibromoethane(EDB)	<1	ug/l		12/27/07	BD
Dibromomethane	<1	ug/l		12/27/07	BD
1,2-Dichlorobenzene	<1	ug/l		12/27/07	BD
1,4-Dichlorobenzene	<1	ug/l		12/27/07	BD
trans-1,4-Dichloro-2-butene	<5	ug/l		12/27/07	BD
1,1-Dichloroethane	<1	ug/l		12/27/07	BD
1,2-Dichloroethane	<1	ug/l		12/27/07	BD
1,1-Dichloroethene	<1	ug/l		12/27/07	BD
cis-1,2-Dichloroethene	<1	ug/l		12/27/07	BD
trans-1,2-Dichloroethene	<1	ug/l		12/27/07	BD

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-207-D LSL Sample ID: 0721017-014

Location:

Sampled: 12/19/07 10:15 Sampled By: EB

Sample Matrix: NPW

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 8260B TCL Volatiles (Modified)					
1,2-Dichloropropane	<1	ug/l		12/27/07	BD
cis-1,3-Dichloropropene	<1	ug/l		12/27/07	BD
trans-1,3-Dichloropropene	<1	ug/l		12/27/07	BD
Ethyl benzene	<1	ug/l		12/27/07	BD
2-Hexanone	<10	ug/l		12/27/07	BD
Iodomethane (Methyl iodide)	<5	ug/l		12/27/07	BD
Methylene chloride	<1	ug/l		12/27/07	BD
4-Methyl-2-pentanone (MIBK)	<10	ug/l		12/27/07	BD
Styrene	<1	ug/l		12/27/07	BD
1,1,1,2-Tetrachloroethane	<1	ug/l		12/27/07	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		12/27/07	BD
Tetrachloroethene	<1	ug/l		12/27/07	BD
Toluene	<1	ug/l		12/27/07	BD
1,1,1-Trichloroethane	<1	ug/l		12/27/07	BD
1,1,2-Trichloroethane	<1	ug/l		12/27/07	BD
Trichloroethene	<1	ug/l		12/27/07	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		12/27/07	BD
1,2,3-Trichloropropane	<1	ug/l		12/27/07	BD
Vinyl acetate	<5	ug/l		12/27/07	BD
Vinyl chloride	<1	ug/l		12/27/07	BD
Xylenes (Total)	<1	ug/l		12/27/07	BD
Surrogate (1,2-DCA-d4)	113	%R		12/27/07	BD
Surrogate (Tol-d8)	102	%R		12/27/07	BD
Surrogate (4-BFB)	111	%R		12/27/07	BD
(1) EPA Method 300.0 A					
Bromide	<0.1*	mg/l		12/20/07 20:12	ANA
Lab control sample is less than established control limits.					
Chloride	14	mg/l		12/20/07 20:12	ANA
Nitrate as N	<0.1	mg/l		12/20/07 20:12	ANA
Sulfate	150*	mg/l		12/20/07 20:12	ANA
Lab control sample is greater than established control limits. Result should be considered an estimate – concentration exceeded linear range of the instrument.					
(1) Field Parameters					
Static Water Level	19.22	ft.		12/17/07	PAP
pH	6.74	Std. Units		12/19/07 10:15	ESB
Specific Conductance	0.665	mS/cm		12/19/07 10:15	ESB
Turbidity	410	NTU		12/19/07 10:15	ESB
Dissolved Oxygen	2.75	mg/L		12/19/07 10:15	ESB
Temperature @ Collection Point	11.2	Degrees C		12/19/07 10:15	ESB
Eh, Redox potential	216	mV		12/19/07 10:15	ESB
(1) Filtering Charge for Dissolved Metals					
Laboratory filtration charge				12/19/07	ESB
(1) HACH 8000 COD					
Chemical Oxygen Demand	9.4	mg/l		1/7/08	TER

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-207-D

LSL Sample ID: 0721017-014

Location:

Sampled: 12/19/07 10:15

Sampled By: EB

Sample Matrix: NPW

Analytical Method		Prep		Analysis		Analyst
Analyte	Result	Units	Date	Date & Time	Initials	
(I) SM 18 2320B, Alkalinity as CaCO ₃						
Alkalinity	300	mg/l		12/20/07		MSP
(I) SM 18 3500C Hexavalent Chromium						
Chromium, Hexavalent	<0.01	mg/l		12/20/07 09:50		TER
(I) SM 19 5310C TOC						
Total Organic Carbon	2.7	mg/l		12/20/07		TER
(I) SM18 2120B, Color						
Apparent Color	25	units		12/20/07 12:40		MSP
(I) SM-2540C Total Dissolved Solids						
Total Dissolved Solids @ 180 C	510	mg/l		12/26/07		MM

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-303-S **LSL Sample ID:** 0721017-015

Location:

Sampled: 12/19/07 10:30 **Sampled By:** EB

Sample Matrix: NPW

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	560	mg/l	12/20/07	1/21/08	DP
(1) EPA 200.7 Total Metals					
Boron	<0.5	mg/l	12/20/07	1/2/08	DP
Potassium	4.0	mg/l	12/20/07	1/2/08	DP
Sodium	8.0**	mg/l	12/20/07	1/2/08	DP
Iron	15	mg/l	12/20/07	1/2/08	DP
Manganese	1.6	mg/l	12/20/07	1/2/08	DP
Magnesium	26*	mg/l	12/20/07	1/18/08	DP
Lead	<0.01	mg/l	12/20/07	1/2/08	DP
Cadmium	<0.01	mg/l	12/20/07	1/2/08	DP
Aluminum	1.7	mg/l	12/20/07	1/2/08	DP
Calcium	180*	mg/l	12/20/07	1/18/08	DP
Antimony	<0.01	mg/l	12/20/07	1/2/08	DP
Arsenic	0.031	mg/l	12/20/07	1/2/08	DP
Beryllium	<0.01	mg/l	12/20/07	1/2/08	DP
Barium	<0.2	mg/l	12/20/07	1/2/08	DP
Chromium	<0.01	mg/l	12/20/07	1/2/08	DP
Copper	0.020	mg/l	12/20/07	1/2/08	DP
Nickel	0.017	mg/l	12/20/07	1/2/08	DP
Selenium	0.40	mg/l	12/20/07	1/2/08	DP
Silver	<0.01**	mg/l	12/20/07	1/2/08	DP
Thallium	<0.01	mg/l	12/20/07	1/2/08	DP
Zinc	0.27	mg/l	12/20/07	1/2/08	DP
Cobalt	0.011	mg/l	12/20/07	1/2/08	DP
Vanadium	<0.01	mg/l	12/20/07	1/2/08	DP
(1) EPA 245.1 Mercury					
Mercury	<0.0002	mg/l	12/28/07	12/28/07	DP
(1) EPA 335.4 Total Cyanide					
Cyanide, Total	<0.01	mg/l	12/28/07	1/2/08	DRB
(1) EPA 350.2 Ammonia					
Ammonia as N	0.44	mg/l		1/8/08	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	1.2***	mg/l	1/8/08	1/10/08	DRB
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	6.9	mg/l		12/21/07 09:53	MM
(1) EPA 420.1 Recoverable Phenolics LL					
Phenolics, Total Recoverable	<0.003	mg/l	12/21/07	1/9/08	TER
(1) EPA 8260B TCL Volatiles (Modified)					
Acetone	<10	ug/l		12/27/07	BD
Acrylonitrile	<20	ug/l		12/27/07	BD
Benzene	<1	ug/l		12/27/07	BD
Bromochloromethane	<1	ug/l		12/27/07	BD
Bromodichloromethane	<1	ug/l		12/27/07	BD

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-303-S LSL Sample ID: 0721017-015

Location:

Sampled: 12/19/07 10:30 Sampled By: EB

Sample Matrix: NPW

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 8260B TCL Volatiles (Modified)					
Bromoform	<1	ug/l		12/27/07	BD
Bromomethane	<1	ug/l		12/27/07	BD
2-Butanone (MEK)	<10	ug/l		12/27/07	BD
Carbon disulfide	<1	ug/l		12/27/07	BD
Carbon tetrachloride	<1	ug/l		12/27/07	BD
Chlorobenzene	<1	ug/l		12/27/07	BD
Chloroethane	<1	ug/l		12/27/07	BD
Chloromethane	<1	ug/l		12/27/07	BD
Chloroform	<1	ug/l		12/27/07	BD
Dibromochloromethane	<1	ug/l		12/27/07	BD
1,2-Dibromo-3-chloropropane	<1	ug/l		12/27/07	BD
1,2-Dibromoethane(EDB)	<1	ug/l		12/27/07	BD
Dibromomethane	<1	ug/l		12/27/07	BD
1,2-Dichlorobenzene	<1	ug/l		12/27/07	BD
1,4-Dichlorobenzene	<1	ug/l		12/27/07	BD
trans-1,4-Dichloro-2-butene	<5	ug/l		12/27/07	BD
1,1-Dichloroethane	1	ug/l		12/27/07	BD
1,2-Dichloroethane	<1	ug/l		12/27/07	BD
1,1-Dichloroethene	<1	ug/l		12/27/07	BD
cis-1,2-Dichloroethene	1	ug/l		12/27/07	BD
trans-1,2-Dichloroethene	<1	ug/l		12/27/07	BD
1,2-Dichloropropane	<1	ug/l		12/27/07	BD
cis-1,3-Dichloropropene	<1	ug/l		12/27/07	BD
trans-1,3-Dichloropropene	<1	ug/l		12/27/07	BD
Ethyl benzene	<1	ug/l		12/27/07	BD
2-Hexanone	<10	ug/l		12/27/07	BD
Iodomethane (Methyl iodide)	<5	ug/l		12/27/07	BD
Methylene chloride	<1	ug/l		12/27/07	BD
4-Methyl-2-pentanone (MIBK)	<10	ug/l		12/27/07	BD
Styrene	<1	ug/l		12/27/07	BD
1,1,1,2-Tetrachloroethane	<1	ug/l		12/27/07	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		12/27/07	BD
Tetrachloroethene	<1	ug/l		12/27/07	BD
Toluene	<1	ug/l		12/27/07	BD
1,1,1-Trichloroethane	<1	ug/l		12/27/07	BD
1,1,2-Trichloroethane	<1	ug/l		12/27/07	BD
Trichloroethene	<1	ug/l		12/27/07	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		12/27/07	BD
1,2,3-Trichloropropane	<1	ug/l		12/27/07	BD
Vinyl acetate	<5	ug/l		12/27/07	BD
Vinyl chloride	<1	ug/l		12/27/07	BD
Xylenes (Total)	<1	ug/l		12/27/07	BD
Surrogate (1,2-DCA-d4)	114	%R		12/27/07	BD
Surrogate (Tol-d8)	102	%R		12/27/07	BD
Surrogate (4-BFB)	112	%R		12/27/07	BD

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-303-S	LSL Sample ID: 0721017-015
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Location:

Sampled: 12/19/07 10:30 **Sampled By:** EB

Sample Matrix: NPW

Analytical Method					
Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
<i>(1) EPA Method 300.0 A</i>					
Bromide	<0.1*	mg/l		12/20/07 20:33	ANA
<i>Lab control sample is less than established control limits.</i>					
Chloride	15	mg/l		12/20/07 20:33	ANA
Nitrate as N	<0.1	mg/l		12/20/07 20:33	ANA
Sulfate	17*	mg/l		12/20/07 20:33	ANA
<i>Lab control sample is greater than established control limits.</i>					
<i>(1) Field Parameters</i>					
Static Water Level	18.70	ft.		12/17/07	PAP
pH	6.45	Std. Units		12/19/07 10:30	ESB
Specific Conductance	0.854	mS/cm		12/19/07 10:30	ESB
Turbidity	24	NTU		12/19/07 10:30	ESB
Dissolved Oxygen	0.59	mg/L		12/19/07 10:30	ESB
Temperature @ Collection Point	11.1	Degrees C		12/19/07 10:30	ESB
Eh, Redox potential	95	mV		12/19/07 10:30	ESB
<i>(1) HACH 8000 COD</i>					
Chemical Oxygen Demand	18	mg/l		1/7/08	TER
<i>(1) SM 18 2320B, Alkalinity as CaCO3</i>					
Alkalinity	520	mg/l		12/20/07	MSP
<i>(1) SM 18 3500C Hexavalent Chromium</i>					
Chromium, Hexavalent	<0.01	mg/l		12/20/07 09:50	TER
<i>(1) SM 19 5310C TOC</i>					
Total Organic Carbon	4.8	mg/l		12/20/07	TER
<i>(1) SM18 2120B, Color</i>					
Apparent Color	100	units		12/20/07 12:40	MSP
<i>(1) SM-2540C Total Dissolved Solids</i>					
Total Dissolved Solids @ 180 C	540	mg/l		12/26/07	MM

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-303-D	LSL Sample ID: 0721017-016
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Location:

Sampled: 12/19/07 10:40 **Sampled By:** EB

Sample Matrix: NPW

Analytical Method					
Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
<i>(1)</i> EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	240	mg/l	12/20/07	1/21/08	DP
<i>(1)</i> EPA 200.7 Total Metals					
Boron	<0.5	mg/l	12/20/07	1/2/08	DP
Potassium	7.4	mg/l	12/20/07	1/2/08	DP
Sodium	173**	mg/l	12/20/07	1/18/08	DP
Iron	1.1	mg/l	12/20/07	1/2/08	DP
Manganese	0.060	mg/l	12/20/07	1/2/08	DP
Magnesium	23*	mg/l	12/20/07	1/18/08	DP
Lead	<0.01	mg/l	12/20/07	1/2/08	DP
Cadmium	<0.01	mg/l	12/20/07	1/2/08	DP
Aluminum	0.32	mg/l	12/20/07	1/2/08	DP
Calcium	57*	mg/l	12/20/07	1/18/08	DP
Antimony	<0.01	mg/l	12/20/07	1/2/08	DP
Arsenic	0.023	mg/l	12/20/07	1/2/08	DP
Beryllium	<0.01	mg/l	12/20/07	1/2/08	DP
Barium	<0.2	mg/l	12/20/07	1/2/08	DP
Chromium	<0.01	mg/l	12/20/07	1/2/08	DP
Copper	<0.01	mg/l	12/20/07	1/2/08	DP
Nickel	<0.01	mg/l	12/20/07	1/2/08	DP
Selenium	0.13	mg/l	12/20/07	1/2/08	DP
Silver	<0.01**	mg/l	12/20/07	1/2/08	DP
Thallium	<0.01	mg/l	12/20/07	1/2/08	DP
Zinc	0.052	mg/l	12/20/07	1/2/08	DP
Cobalt	<0.01	mg/l	12/20/07	1/2/08	DP
Vanadium	<0.01	mg/l	12/20/07	1/2/08	DP
<i>(1)</i> EPA 245.1 Mercury					
Mercury	<0.0002	mg/l	12/28/07	12/28/07	DP
<i>(1)</i> EPA 335.4 Total Cyanide					
Cyanide, Total	<0.01	mg/l	12/28/07	1/2/08	DRB
<i>(1)</i> EPA 350.2 Ammonia					
Ammonia as N	0.37	mg/l		1/8/08	DRB
<i>(1)</i> EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	1.1***	mg/l	1/8/08	1/10/08	DRB
<i>(1)</i> EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	<4	mg/l		12/21/07 09:54	MM
<i>(1)</i> EPA 420.1 Recoverable Phenolics LL					
Phenolics, Total Recoverable	0.0042	mg/l	12/21/07	1/9/08	TER
<i>As per NELAC regulation disclosure of the following condition is required; The result of a calibration check sample associated with this analysis was greater than the established control limit.</i>					
<i>(1)</i> EPA 8260B TCL Volatiles (Modified)					
Acetone	<10	ug/l		12/27/07	BD
Acrylonitrile	<20	ug/l		12/27/07	BD
Benzene	<1	ug/l		12/27/07	BD
Bromochloromethane	<1	ug/l		12/27/07	BD

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-303-D LSL Sample ID: 0721017-016

Location:

Sampled: 12/19/07 10:40 Sampled By: EB

Sample Matrix: NPW

Analytical Method	Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units	
(1) EPA 8260B TCL Volatiles (Modified)			
Bromodichloromethane	<1	ug/l	BD
Bromoform	<1	ug/l	BD
Bromomethane	<1	ug/l	BD
2-Butanone (MEK)	<10	ug/l	BD
Carbon disulfide	<1	ug/l	BD
Carbon tetrachloride	<1	ug/l	BD
Chlorobenzene	<1	ug/l	BD
Chloroethane	<1	ug/l	BD
Chloromethane	<1	ug/l	BD
Chloroform	<1	ug/l	BD
Dibromochloromethane	<1	ug/l	BD
1,2-Dibromo-3-chloropropane	<1	ug/l	BD
1,2-Dibromoethane(EDB)	<1	ug/l	BD
Dibromomethane	<1	ug/l	BD
1,2-Dichlorobenzene	<1	ug/l	BD
1,4-Dichlorobenzene	<1	ug/l	BD
trans-1,4-Dichloro-2-butene	<5	ug/l	BD
1,1-Dichloroethane	<1	ug/l	BD
1,2-Dichloroethane	<1	ug/l	BD
1,1-Dichloroethene	<1	ug/l	BD
cis-1,2-Dichloroethene	<1	ug/l	BD
trans-1,2-Dichloroethene	<1	ug/l	BD
1,2-Dichloropropane	<1	ug/l	BD
cis-1,3-Dichloropropene	<1	ug/l	BD
trans-1,3-Dichloropropene	<1	ug/l	BD
Ethyl benzene	<1	ug/l	BD
2-Hexanone	<10	ug/l	BD
Iodomethane (Methyl iodide)	<5	ug/l	BD
Methylene chloride	<1	ug/l	BD
4-Methyl-2-pentanone (MIBK)	<10	ug/l	BD
Styrene	<1	ug/l	BD
1,1,1,2-Tetrachloroethane	<1	ug/l	BD
1,1,2,2-Tetrachloroethane	<1	ug/l	BD
Tetrachloroethene	<1	ug/l	BD
Toluene	<1	ug/l	BD
1,1,1-Trichloroethane	<1	ug/l	BD
1,1,2-Trichloroethane	<1	ug/l	BD
Trichloroethene	<1	ug/l	BD
Trichlorofluoromethane (Frcon 11)	<1	ug/l	BD
1,2,3-Trichloropropane	<1	ug/l	BD
Vinyl acetate	<5	ug/l	BD
Vinyl chloride	<1	ug/l	BD
Xylenes (Total)	<1	ug/l	BD
Surrogate (1,2-DCA-d4)	113	%R	BD
Surrogate (Tol-d8)	103	%R	BD
Surrogate (4-BFB)	112	%R	BD

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-303-D		LSL Sample ID:		0721017-016		
Location:						
Sampled: 12/19/07 10:40		Sampled By: EB				
Sample Matrix: NPW						
Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials	
Analyte	Result	Units				
(1) EPA Method 300.0 A						
Bromide	<0.1*	mg/l		12/20/07 20:54	ANA	
Lab control sample is less than established control limits.						
Chloride	150*	mg/l		12/20/07 20:54	ANA	
Result should be considered an estimate – concentration exceeded linear range of the instrument.						
Nitrate as N	<0.1	mg/l		12/20/07 20:54	ANA	
Sulfate	130*	mg/l		12/20/07 20:54	ANA	
Lab control sample is greater than established control limits. Result should be considered an estimate – concentration exceeded linear range of the instrument.						
(1) Field Parameters						
Static Water Level	18.95	ft.		12/17/07	PAP	
pH	7.32	Std. Units		12/19/07 10:40	ESB	
Specific Conductance	1.15	mS/cm		12/19/07 10:40	ESB	
Turbidity	7	NTU		12/19/07 10:40	ESB	
Dissolved Oxygen	2.61	mg/L		12/19/07 10:40	ESB	
Temperature @ Collection Point	10.3	Degrees C		12/19/07 10:40	ESB	
Eh, Redox potential	223	mV		12/19/07 10:40	ESB	
(1) HACH 8000 COD						
Chemical Oxygen Demand	10	mg/l		1/7/08	TER	
(1) SM 18 2320B, Alkalinity as CaCO3						
Alkalinity	280	mg/l		12/20/07	MSP	
(1) SM 18 3500C Hexavalent Chromium						
Chromium, Hexavalent	<0.01	mg/l		12/20/07 09:50	TER	
(1) SM 19 5310C TOC						
Total Organic Carbon	1.8	mg/l		12/20/07	TER	
(1) SM18 2120B, Color						
Apparent Color	15	units		12/20/07 12:40	MSP	
(1) SM-2540C Total Dissolved Solids						
Total Dissolved Solids @ 180 C	640	mg/l		12/26/07	MM	

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-304-VS	LSL Sample ID: 0721017-017
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Location:

Sampled: 12/18/07 10:25 **Sampled By:** EB

Sample Matrix: NPW

Analytical Method					
Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	620	mg/l	12/20/07	1/21/08	DP
(1) EPA 200.7 Total Metals					
Boron	<0.5	mg/l	12/20/07	1/2/08	DP
Potassium	5.5	mg/l	12/20/07	1/2/08	DP
Sodium	250**	mg/l	12/20/07	1/18/08	DP
Iron	6.9	mg/l	12/20/07	1/2/08	DP
Manganese	6.9*	mg/l	12/20/07	1/2/08	DP
Magnesium	27*	mg/l	12/20/07	1/18/08	DP
Lead	<0.01	mg/l	12/20/07	1/2/08	DP
Cadmium	<0.01	mg/l	12/20/07	1/2/08	DP
Aluminum	3.9	mg/l	12/20/07	1/2/08	DP
Calcium	200*	mg/l	12/20/07	1/18/08	DP
Antimony	<0.01	mg/l	12/20/07	1/2/08	DP
Arsenic	<0.01	mg/l	12/20/07	1/2/08	DP
Beryllium	<0.01	mg/l	12/20/07	1/2/08	DP
Barium	<0.2	mg/l	12/20/07	1/2/08	DP
Chromium	<0.01	mg/l	12/20/07	1/2/08	DP
Copper	0.026	mg/l	12/20/07	1/2/08	DP
Nickel	0.016	mg/l	12/20/07	1/2/08	DP
Selenium	0.45	mg/l	12/20/07	1/2/08	DP
Silver	<0.01**	mg/l	12/20/07	1/2/08	DP
Thallium	<0.01	mg/l	12/20/07	1/2/08	DP
Zinc	0.040	mg/l	12/20/07	1/2/08	DP
Cobalt	<0.01	mg/l	12/20/07	1/2/08	DP
Vanadium	<0.01	mg/l	12/20/07	1/2/08	DP
(1) EPA 245.1 Mercury					
Mercury	<0.0002	mg/l	12/28/07	12/28/07	DP
(1) EPA 335.4 Total Cyanide					
Cyanide, Total	<0.01	mg/l	12/21/07	12/21/07	DRB
(1) EPA 350.2 Ammonia					
Ammonia as N	<0.03	mg/l		1/8/08	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	0.74***	mg/l	1/8/08	1/10/08	DRB
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	<4	mg/l		12/19/07 17:33	MM/TE R
(1) EPA 420.1 Recoverable Phenolics LL					
Phenolics, Total Recoverable	<0.003	mg/l	12/21/07	1/9/08	TER
(1) EPA 8260B TCL Volatiles (Modified)					
Acetone	<10	ug/l		12/27/07	BD
Acrylonitrile	<20	ug/l		12/27/07	BD
Benzene	<1	ug/l		12/27/07	BD
Bromochloromethane	<1	ug/l		12/27/07	BD
Bromodichloromethane	<1	ug/l		12/27/07	BD

Life Science Laboratories, Inc.

Page 53 of 110

Date Printed: 1/24/08

Analysis performed at: (1) LSL Central, (2) LSL North, (3) LSL Finger Lakes, (4) LSL Southern Tier, (5) LSL MidLakes, (6) LSL Brittonfield

-- LABORATORY ANALYSIS REPORT --

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-304-VS	LSL Sample ID: 0721017-017
Location:	
Sampled: 12/18/07 10:25	Sampled By: EB
Sample Matrix: NPW	

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA 8260B TCL Volatiles (Modified)					
Bromoform	<1	ug/l		12/27/07	BD
Bromomethane	<1	ug/l		12/27/07	BD
2-Butanone (MEK)	<10	ug/l		12/27/07	BD
Carbon disulfide	<1	ug/l		12/27/07	BD
Carbon tetrachloride	<1	ug/l		12/27/07	BD
Chlorobenzene	<1	ug/l		12/27/07	BD
Chloroethane	<1	ug/l		12/27/07	BD
Chloromethane	<1	ug/l		12/27/07	BD
Chloroform	<1	ug/l		12/27/07	BD
Dibromochloromethane	<1	ug/l		12/27/07	BD
1,2-Dibromo-3-chloropropane	<1	ug/l		12/27/07	BD
1,2-Dibromoethane(EDB)	<1	ug/l		12/27/07	BD
Dibromomethane	<1	ug/l		12/27/07	BD
1,2-Dichlorobenzene	<1	ug/l		12/27/07	BD
1,4-Dichlorobenzene	<1	ug/l		12/27/07	BD
trans-1,4-Dichloro-2-butene	<5	ug/l		12/27/07	BD
1,1-Dichloroethane	<1	ug/l		12/27/07	BD
1,2-Dichloroethane	<1	ug/l		12/27/07	BD
1,1-Dichloroethene	<1	ug/l		12/27/07	BD
cis-1,2-Dichloroethene	<1	ug/l		12/27/07	BD
trans-1,2-Dichloroethene	<1	ug/l		12/27/07	BD
1,2-Dichloropropane	<1	ug/l		12/27/07	BD
cis-1,3-Dichloropropene	<1	ug/l		12/27/07	BD
trans-1,3-Dichloropropene	<1	ug/l		12/27/07	BD
Ethyl benzene	<1	ug/l		12/27/07	BD
2-Hexanone	<10	ug/l		12/27/07	BD
Iodomethane (Methyl iodide)	<5	ug/l		12/27/07	BD
Methylene chloride	<1	ug/l		12/27/07	BD
4-Methyl-2-pentanone (MIBK)	<10	ug/l		12/27/07	BD
Styrene	<1	ug/l		12/27/07	BD
1,1,1,2-Tetrachloroethane	<1	ug/l		12/27/07	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		12/27/07	BD
Tetrachloroethene	<1	ug/l		12/27/07	BD
Toluene	<1	ug/l		12/27/07	BD
1,1,1-Trichloroethane	<1	ug/l		12/27/07	BD
1,1,2-Trichloroethane	<1	ug/l		12/27/07	BD
Trichloroethene	<1	ug/l		12/27/07	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		12/27/07	BD
1,2,3-Trichloropropane	<1	ug/l		12/27/07	BD
Vinyl acetate	<5	ug/l		12/27/07	BD
Vinyl chloride	<1	ug/l		12/27/07	BD
Xylenes (Total)	<1	ug/l		12/27/07	BD
Surrogate (1,2-DCA-d4)	111	%R		12/27/07	BD
Surrogate (Tol-d8)	102	%R		12/27/07	BD
Surrogate (4-BFB)	111	%R		12/27/07	BD

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID:	MW-304-VS	LSL Sample ID:	0721017-017
Location:			
Sampled:	12/18/07 10:25	Sampled By:	EB
Sample Matrix:	NPW		

Analytical Method		Prep Date		Analysis Date & Time		Analyst Initials
Analyte	Result	Units				
(1) EPA Method 300.0 A						
Bromide	<0.1*	mg/l		12/20/07 01:17		ANA
<i>Lab control sample is less than established control limits.</i>						
Chloride	630*	mg/l		12/20/07 01:17		ANA
<i>Result should be considered an estimate - the analyte concentration exceeded the calibrated range of the instrument.</i>						
Nitrate as N	<0.1	mg/l		12/20/07 01:17		ANA
Sulfate	14	mg/l		12/20/07 01:17		ANA
<i>Lab control sample is less than established control limits. Result should be considered an estimate - the chromatographic peak was not completely resolved during the analysis.</i>						
(1) Field Parameters						
Static Water Level	6.00	ft.		12/17/07		PAP
pH	6.69	Std. Units		12/18/07 10:25		ESB
Specific Conductance	2.41	mS/cm		12/18/07 10:25		ESB
Turbidity	8	NTU		12/18/07 10:25		ESB
Dissolved Oxygen	2.43	mg/L		12/18/07 10:25		ESB
Temperature @ Collection Point	6.5	Degrees C		12/18/07 10:25		ESB
Eh, Redox potential	285	mV		12/18/07 10:25		ESB
(1) HACH 8000 COD						
Chemical Oxygen Demand	25	mg/l		1/7/08		TER
(1) SM 18 2320B, Alkalinity as CaCO3						
Alkalinity	420	mg/l		12/20/07		MSP
(1) SM 18 3500C Hexavalent Chromium						
Chromium, Hexavalent	<0.01	mg/l		12/18/07 23:39		KBB
(1) SM 19 5310C TOC						
Total Organic Carbon	5.9	mg/l		12/19/07		TER
(1) SM18 2120B, Color						
Apparent Color	300	onits		12/20/07 12:54		MSP
(1) SM-2540C Total Dissolved Solids						
Total Dissolved Solids @ 180 C	1400	mg/l		12/19/07		MM

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID:	MW-304-S	LSL Sample ID:	0721017-018
Location:			
Sampled:	12/18/07 11:00	Sampled By:	EB
Sample Matrix:	NPW		

Analytical Method					
Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
<i>(1)</i> EPA 200.7 Soluble Metals					
Potassium	3.5	mg/l	12/20/07	1/2/08	DP
Iron	8.1	mg/l	12/20/07	1/2/08	DP
Manganese	3.3*	mg/l	12/20/07	1/2/08	DP
Magnesium	31*	mg/l	12/20/07	1/18/08	DP
Lead	<0.01	mg/l	12/20/07	1/2/08	DP
Cadmium	<0.01	mg/l	12/20/07	1/2/08	DP
Aluminum	<0.1	mg/l	12/20/07	1/2/08	DP
Calcium	160*	mg/l	12/20/07	1/18/08	DP
Antimony	<0.01	mg/l	12/20/07	1/2/08	DP
Arsenic	0.010	mg/l	12/20/07	1/2/08	DP
Beryllium	<0.01	mg/l	12/20/07	1/2/08	DP
Barium	0.33	mg/l	12/20/07	1/2/08	DP
Chromium	<0.01	mg/l	12/20/07	1/2/08	DP
Copper	<0.01	mg/l	12/20/07	1/2/08	DP
Nickel	<0.01	mg/l	12/20/07	1/2/08	DP
Selenium	0.33	mg/l	12/20/07	1/2/08	DP
Silver	<0.01**	mg/l	12/20/07	1/2/08	DP
Thallium	<0.01	mg/l	12/20/07	1/2/08	DP
Zinc	0.022	mg/l	12/20/07	1/2/08	DP
Cobalt	<0.01	mg/l	12/20/07	1/2/08	DP
Vanadium	<0.01	mg/l	12/20/07	1/2/08	DP
Sodium	13**	mg/l	12/20/07	1/2/08	DP
<i>(1)</i> EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	540	mg/l	12/20/07	1/21/08	DP
<i>(1)</i> EPA 200.7 Total Metals					
Boron	<0.5	mg/l	12/20/07	1/2/08	DP
Potassium	5.0	mg/l	12/20/07	1/2/08	DP
Sodium	15**	mg/l	12/20/07	1/2/08	DP
Iron	29	mg/l	12/20/07	1/2/08	DP
Manganese	3.6*	mg/l	12/20/07	1/2/08	DP
Magnesium	33*	mg/l	12/20/07	1/18/08	DP
Lead	0.016	mg/l	12/20/07	1/2/08	DP
Cadmium	<0.01	mg/l	12/20/07	1/2/08	DP
Aluminum	6.4	mg/l	12/20/07	1/2/08	DP
Calcium	160*	mg/l	12/20/07	1/18/08	DP
Antimony	<0.01	mg/l	12/20/07	1/2/08	DP
Arsenic	0.020	mg/l	12/20/07	1/2/08	DP
Beryllium	<0.01	mg/l	12/20/07	1/2/08	DP
Barium	0.44	mg/l	12/20/07	1/2/08	DP
Chromium	0.029	mg/l	12/20/07	1/2/08	DP
Copper	0.050	mg/l	12/20/07	1/2/08	DP
Nickel	0.038	mg/l	12/20/07	1/2/08	DP
Selenium	0.42	mg/l	12/20/07	1/2/08	DP
Silver	<0.01**	mg/l	12/20/07	1/2/08	DP
Thallium	<0.01	mg/l	12/20/07	1/2/08	DP
Zinc	0.084	mg/l	12/20/07	1/2/08	DP

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-304-S	LSL Sample ID: 0721017-018
Location:	
Sampled: 12/18/07 11:00	Sampled By: EB
Sample Matrix: NPW	

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA 200.7 Total Metals					
Cobalt	0.031	mg/l	12/20/07	1/2/08	DP
Vanadium	<0.01	mg/l	12/20/07	1/2/08	DP
(1) EPA 245.1 Mercury					
Mercury	<0.0002	mg/l	12/28/07	12/28/07	DP
(1) EPA 245.1 Soluble Mercury					
Mercury	<0.0002	mg/l	12/28/07	12/28/07	DP
(1) EPA 335.4 Total Cyanide					
Cyanide, Total	<0.01	mg/l	12/21/07	12/21/07	DRB
(1) EPA 350.2 Ammonia					
Ammonia as N	0.25	mg/l		1/8/08	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	0.86***	mg/l	1/8/08	1/10/08	DRB
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	4.1	mg/l		12/19/07 17:33	MM/TE R
(1) EPA 420.1 Recoverable Phenolics LL					
Phenolics, Total Recoverable	<0.003	mg/l	12/21/07	1/9/08	TER
(1) EPA 8260B TCL Volatiles (Modified)					
Acetone	<10	ug/l		12/27/07	BD
Acrylonitrile	<20	ug/l		12/27/07	BD
Benzene	<1	ug/l		12/27/07	BD
Bromochloromethane	<1	ug/l		12/27/07	BD
Bromodichloromethane	<1	ug/l		12/27/07	BD
Bromoform	<1	ug/l		12/27/07	BD
Bromomethane	<1	ug/l		12/27/07	BD
2-Butanone (MEK)	<10	ug/l		12/27/07	BD
Carbon disulfide	<1	ug/l		12/27/07	BD
Carbon tetrachloride	<1	ug/l		12/27/07	BD
Chlorobenzene	<1	ug/l		12/27/07	BD
Chloroethane	<1	ug/l		12/27/07	BD
Chloromethane	<1	ug/l		12/27/07	BD
Chloroform	<1	ug/l		12/27/07	BD
Dibromochloromethane	<1	ug/l		12/27/07	BD
1,2-Dibromo-3-chloropropane	<1	ug/l		12/27/07	BD
1,2-Dibromoethane(EDB)	<1	ug/l		12/27/07	BD
Dibromomethane	<1	ug/l		12/27/07	BD
1,2-Dichlorobenzene	<1	ug/l		12/27/07	BD
1,4-Dichlorobenzene	<1	ug/l		12/27/07	BD
trans-1,4-Dichloro-2-butene	<5	ug/l		12/27/07	BD
1,1-Dichloroethane	<1	ug/l		12/27/07	BD
1,2-Dichloroethane	<1	ug/l		12/27/07	BD
1,1-Dichloroethene	<1	ug/l		12/27/07	BD
cis-1,2-Dichloroethene	<1	ug/l		12/27/07	BD
trans-1,2-Dichloroethene	<1	ug/l		12/27/07	BD

-- LABORATORY ANALYSIS REPORT --

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-304-S	LSL Sample ID: 0721017-018	
Location:		
Sampled: 12/18/07 11:00	Sampled By: EB	
Sample Matrix: NPW		

Analytical Method	Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units	

(1) EPA 8260B TCL Volatiles (Modified)

1,2-Dichloropropane	<1	ug/l	12/27/07	BD
cis-1,3-Dichloropropene	<1	ug/l	12/27/07	BD
trans-1,3-Dichloropropene	<1	ug/l	12/27/07	BD
Ethyl benzene	<1	ug/l	12/27/07	BD
2-Hexanone	<10	ug/l	12/27/07	BD
Iodomethane (Methyl iodide)	<5	ug/l	12/27/07	BD
Methylene chloride	<1	ug/l	12/27/07	BD
4-Methyl-2-pentanone (MIBK)	<10	ug/l	12/27/07	BD
Styrene	<1	ug/l	12/27/07	BD
1,1,1,2-Tetrachloroethane	<1	ug/l	12/27/07	BD
1,1,2,2-Tetrachloroethane	<1	ug/l	12/27/07	BD
Tetrachloroethene	<1	ug/l	12/27/07	BD
Toluene	<1	ug/l	12/27/07	BD
1,1,1-Trichloroethane	<1	ug/l	12/27/07	BD
1,1,2-Trichloroethane	<1	ug/l	12/27/07	BD
Trichloroethene	<1	ug/l	12/27/07	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l	12/27/07	BD
1,2,3-Trichloropropane	<1	ug/l	12/27/07	BD
Vinyl acetate	<5	ug/l	12/27/07	BD
Vinyl chloride	<1	ug/l	12/27/07	BD
Xylenes (Total)	<1	ug/l	12/27/07	BD
Surrogate (1,2-DCA-d4)	109	%R	12/27/07	BD
Surrogate (Tol-d8)	105	%R	12/27/07	BD
Surrogate (4-BFB)	111	%R	12/27/07	BD

(1) EPA Method 300.0 A

Bromide	<0.1*	mg/l	12/20/07	01:37	ANA
<i>Lab control sample is less than established control limits.</i>					
Chloride	18	mg/l	12/20/07	01:37	ANA
Nitrate as N	<0.1	mg/l	12/20/07	01:37	ANA
Sulfate	<1*	mg/l	12/20/07	01:37	ANA

Lab control sample is less than established control limits. Result should be considered an estimate - the chromatographic peak was not completely resolved during the analysis.

(1) Field Parameters

Static Water Level	26.30	ft.	12/17/07		PAP
pH	6.66	Std. Units	12/18/07	11:00	ESB
Specific Conductance	0.95	mS/cm	12/18/07	11:00	ESB
Turbidity	244	NTU	12/18/07	11:00	ESB
Dissolved Oxygen	1.34	mg/L	12/18/07	11:00	ESB
Temperature @ Collection Point	10.5	Degrees C	12/18/07	11:00	ESB
Eh, Redox potential	80	mV	12/18/07	11:00	ESB

(1) Filtering Charge for Dissolved Metals

Laboratory filtration charge			12/18/07		BPD
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(1) HACH 8000 COD

Chemical Oxygen Demand	22	mg/l	1/7/08		TER
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-- LABORATORY ANALYSIS REPORT --

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-304-S LSL Sample ID: 0721017-018

Location:

Sampled: 12/18/07 11:00 Sampled By: EB

Sample Matrix: NPW

Analytical Method		Prep		Analysis		Analyst
Analyte	Result	Units	Date	Date & Time	Initials	
(1) SM 18 2320B, Alkalinity as CaCO3						
Alkalinity	530	mg/l		12/20/07		MSP
(1) SM 18 3500C Hexavalent Chromium						
Chromium, Hexavalent	<0.01	mg/l		12/18/07 23:39		KBB
(1) SM 19 5310C TOC						
Total Organic Carbon	5.1	mg/l		12/19/07		TER
(1) SM18 2120B, Color						
Apparent Color	200	units		12/20/07 12:54		MSP
(1) SM-2540C Total Dissolved Solids						
Total Dissolved Solids @ 180 C	510	mg/l		12/20/07		MM

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-304-D LSL Sample ID: 0721017-019

Location:

Sampled: 12/18/07 10:35 Sampled By: EB

Sample Matrix: NPW

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA 200.7 Soluble Metals					
Potassium	4.7	mg/l	12/20/07	1/2/08	DP
Iron	4.0	mg/l	12/20/07	1/2/08	DP
Manganese	0.62	mg/l	12/20/07	1/2/08	DP
Magnesium	27*	mg/l	12/20/07	1/18/08	DP
Lead	<0.01	mg/l	12/20/07	1/2/08	DP
Cadmium	<0.01	mg/l	12/20/07	1/2/08	DP
Aluminum	<0.1	mg/l	12/20/07	1/2/08	DP
Calcium	120*	mg/l	12/20/07	1/18/08	DP
Antimony	<0.01	mg/l	12/20/07	1/2/08	DP
Arsenic	0.018	mg/l	12/20/07	1/2/08	DP
Beryllium	<0.01	mg/l	12/20/07	1/2/08	DP
Barium	<0.2	mg/l	12/20/07	1/2/08	DP
Chromium	<0.01	mg/l	12/20/07	1/2/08	DP
Copper	<0.01	mg/l	12/20/07	1/2/08	DP
Nickel	<0.01	mg/l	12/20/07	1/2/08	DP
Selenium	0.25	mg/l	12/20/07	1/2/08	DP
Silver	<0.01**	mg/l	12/20/07	1/2/08	DP
Thallium	<0.01	mg/l	12/20/07	1/2/08	DP
Zinc	0.040	mg/l	12/20/07	1/2/08	DP
Cobalt	<0.01	mg/l	12/20/07	1/2/08	DP
Vanadium	<0.01	mg/l	12/20/07	1/2/08	DP
Sodium	26**	mg/l	12/20/07	1/2/08	DP
(1) EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	460	mg/l	12/20/07	1/21/08	DP
(1) EPA 200.7 Total Metals					
Boron	<0.5	mg/l	12/20/07	1/2/08	DP
Potassium	6.0	mg/l	12/20/07	1/2/08	DP
Sodium	28**	mg/l	12/20/07	1/2/08	DP
Iron	15	mg/l	12/20/07	1/2/08	DP
Manganese	0.74	mg/l	12/20/07	1/2/08	DP
Magnesium	33*	mg/l	12/20/07	1/18/08	DP
Lead	0.012	mg/l	12/20/07	1/2/08	DP
Cadmium	<0.01	mg/l	12/20/07	1/2/08	DP
Aluminum	4.0	mg/l	12/20/07	1/2/08	DP
Calcium	130*	mg/l	12/20/07	1/18/08	DP
Antimony	<0.01	mg/l	12/20/07	1/2/08	DP
Arsenic	0.031	mg/l	12/20/07	1/2/08	DP
Beryllium	<0.01	mg/l	12/20/07	1/2/08	DP
Barium	0.21	mg/l	12/20/07	1/2/08	DP
Chromium	<0.01	mg/l	12/20/07	1/2/08	DP
Copper	0.018	mg/l	12/20/07	1/2/08	DP
Nickel	<0.01	mg/l	12/20/07	1/2/08	DP
Selenium	0.33	mg/l	12/20/07	1/2/08	DP
Silver	<0.01**	mg/l	12/20/07	1/2/08	DP
Thallium	<0.01	mg/l	12/20/07	1/2/08	DP
Zinc	0.18	mg/l	12/20/07	1/2/08	DP

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-304-D LSL Sample ID: 0721017-019

Location:

Sampled: 12/18/07 10:35 Sampled By: EB

Sample Matrix: NPW

Analytical Method			Prep	Analysis	Analyst
Analyte	Result	Units	Date	Date & Time	Initials
(1) EPA 200.7 Total Metals					
Cobalt	<0.01	mg/l	12/20/07	1/2/08	DP
Vanadium	<0.01	mg/l	12/20/07	1/2/08	DP
(1) EPA 245.1 Mercury					
Mercury	<0.0002	mg/l	12/28/07	12/28/07	DP
(1) EPA 245.1 Soluble Mercury					
Mercury	<0.0002	mg/l	12/28/07	12/28/07	DP
(1) EPA 335.4 Total Cyanide					
Cyanide, Total	<0.01	mg/l	12/21/07	12/21/07	DRB
(1) EPA 350.2 Ammonia					
Ammonia as N	1.1	mg/l		1/8/08	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	1.6***	mg/l	1/8/08	1/10/08	DRB
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	<4	mg/l		12/19/07 17:33	MM/TE R
(1) EPA 420.1 Recoverable Phenolics LL					
Phenolics, Total Recoverable	<0.003	mg/l	12/21/07	1/9/08	TER
(1) EPA 8260B TCL Volatiles (Modified)					
Acetone	<10	ug/l		12/27/07	BD
Acrylonitrile	<20	ug/l		12/27/07	BD
Benzene	<1	ug/l		12/27/07	BD
Bromochloromethane	<1	ug/l		12/27/07	BD
Bromodichloromethane	<1	ug/l		12/27/07	BD
Bromoform	<1	ug/l		12/27/07	BD
Bromomethane	<1	ug/l		12/27/07	BD
2-Butanone (MEK)	<10	ug/l		12/27/07	BD
Carbon disulfide	<1	ug/l		12/27/07	BD
Carbon tetrachloride	<1	ug/l		12/27/07	BD
Chlorobenzene	<1	ug/l		12/27/07	BD
Chloroethane	<1	ug/l		12/27/07	BD
Chloromethane	<1	ug/l		12/27/07	BD
Chloroform	<1	ug/l		12/27/07	BD
Dibromochloromethane	<1	ug/l		12/27/07	BD
1,2-Dibromo-3-chloropropane	<1	ug/l		12/27/07	BD
1,2-Dibromoethane(EDB)	<1	ug/l		12/27/07	BD
Dibromomethane	<1	ug/l		12/27/07	BD
1,2-Dichlorobenzene	<1	ug/l		12/27/07	BD
1,4-Dichlorobenzene	<1	ug/l		12/27/07	BD
trans-1,4-Dichloro-2-butene	<5	ug/l		12/27/07	BD
1,1-Dichloroethane	<1	ug/l		12/27/07	BD
1,2-Dichloroethane	<1	ug/l		12/27/07	BD
1,1-Dichloroethene	<1	ug/l		12/27/07	BD
cis-1,2-Dichloroethene	<1	ug/l		12/27/07	BD
trans-1,2-Dichloroethene	<1	ug/l		12/27/07	BD

-- LABORATORY ANALYSIS REPORT --

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-304-D	LSL Sample ID: 0721017-019
Location:	
Sampled: 12/18/07 10:35	Sampled By: EB
Sample Matrix: NPW	

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					

(I) EPA 8260B TCL Volatiles (Modified)

1,2-Dichloropropane	<1	ug/l		12/27/07	BD
cis-1,3-Dichloropropene	<1	ug/l		12/27/07	BD
trans-1,3-Dichloropropene	<1	ug/l		12/27/07	BD
Ethyl benzene	<1	ug/l		12/27/07	BD
2-Hexanone	<10	ug/l		12/27/07	BD
Iodomethane (Methyl iodide)	<5	ug/l		12/27/07	BD
Methylene chloride	<1	ug/l		12/27/07	BD
4-Methyl-2-pentanone (MIBK)	<10	ug/l		12/27/07	BD
Styrene	<1	ug/l		12/27/07	BD
1,1,1,2-Tetrachloroethane	<1	ug/l		12/27/07	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		12/27/07	BD
Tetrachloroethene	<1	ug/l		12/27/07	BD
Toluene	<1	ug/l		12/27/07	BD
1,1,1-Trichloroethane	<1	ug/l		12/27/07	BD
1,1,2-Trichloroethane	<1	ug/l		12/27/07	BD
Trichloroethene	<1	ug/l		12/27/07	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		12/27/07	BD
1,2,3-Trichloropropane	<1	ug/l		12/27/07	BD
Vinyl acetate	<5	ug/l		12/27/07	BD
Vinyl chloride	<1	ug/l		12/27/07	BD
Xylenes (Total)	<1	ug/l		12/27/07	BD
Surrogate (1,2-DCA-d4)	114	%R		12/27/07	BD
Surrogate (Tol-d8)	102	%R		12/27/07	BD
Surrogate (4-BFB)	111	%R		12/27/07	BD

(I) EPA Method 300.0 A

Bromide	<0.1*	mg/l		12/20/07 01:56	ANA
<i>Lab control sample is less than established control limits.</i>					
Chloride	43	mg/l		12/20/07 01:56	ANA
Nitrate as N	<0.1	mg/l		12/20/07 01:56	ANA
Sulfate	15*	mg/l		12/20/07 01:56	ANA
<i>Lab control sample is less than established control limits. Result should be considered an estimate - the chromatographic peak was not completely resolved during the analysis.</i>					

(I) Field Parameters

Static Water Level	24.95	ft.		12/17/07	PAP
pH	6.68	Std. Units		12/18/07 10:35	ESB
Specific Conductance	0.970	mS/cm		12/18/07 10:35	ESB
Turbidity	195	NTU		12/18/07 10:35	ESB
Dissolved Oxygen	1.01	mg/L		12/18/07 10:35	ESB
Temperature @ Collection Point	9.2	Degrees C		12/18/07 10:35	ESB
Eh, Redox potential	110	mV		12/18/07 10:35	ESB

(I) Filtering Charge for Dissolved Metals

Laboratory filtration charge			12/18/07	BPD
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(I) HACH 8000 COD

Chemical Oxygen Demand	120	mg/l		1/7/08	TER
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-- LABORATORY ANALYSIS REPORT --

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-304-D

LSL Sample ID: 0721017-019

Location:

Sampled: 12/18/07 10:35

Sampled By: EB

Sample Matrix: NPW

Analytical Method		Result	Units	Prep Date	Analysis		Analyst Initials
Analyte					Date & Time		
(1)	SM 18 2320B, Alkalinity as CaCO3						
	Alkalinity	380	mg/l		12/20/07		MSP
(1)	SM 18 3500C Hexavalent Chromium						
	Chromium, Hexavalent	<0.01	mg/l		12/18/07	23:39	KBB
(1)	SM 19 5310C TOC						
	Total Organic Carbon	3.0	mg/l		12/19/07		TER
(1)	SM18 2120B, Color						
	Apparent Color	100	units		12/20/07	12:54	MSP
(1)	SM-2540C Total Dissolved Solids						
	Total Dissolved Solids @ 180 C	460	mg/l		12/20/07		MM

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-312-S	LSL Sample ID: 0721017-020
Location:	
Sampled: 12/18/07 11:20	Sampled By: EB
Sample Matrix: NPW	

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA 200.7 Soluble Metals					
Potassium	<1	mg/l	12/20/07	1/2/08	DP
Iron	0.70	mg/l	12/20/07	1/2/08	DP
Manganese	0.098	mg/l	12/20/07	1/2/08	DP
Magnesium	14*	mg/l	12/20/07	1/18/08	DP
Lead	<0.01	mg/l	12/20/07	1/2/08	DP
Cadmium	<0.01	mg/l	12/20/07	1/2/08	DP
Aluminum	3.3	mg/l	12/20/07	1/2/08	DP
Calcium	74*	mg/l	12/20/07	1/18/08	DP
Antimony	<0.01	mg/l	12/20/07	1/2/08	DP
Arsenic	0.015	mg/l	12/20/07	1/2/08	DP
Beryllium	<0.01	mg/l	12/20/07	1/2/08	DP
Barium	<0.2	mg/l	12/20/07	1/2/08	DP
Chromium	<0.01	mg/l	12/20/07	1/2/08	DP
Copper	<0.01	mg/l	12/20/07	1/2/08	DP
Nickel	<0.01	mg/l	12/20/07	1/2/08	DP
Selenium	0.13	mg/l	12/20/07	1/2/08	DP
Silver	<0.01**	mg/l	12/20/07	1/2/08	DP
Thallium	<0.01	mg/l	12/20/07	1/2/08	DP
Zinc	0.018	mg/l	12/20/07	1/2/08	DP
Cobalt	<0.01	mg/l	12/20/07	1/2/08	DP
Vanadium	<0.01	mg/l	12/20/07	1/2/08	DP
Sodium	1.4**	mg/l	12/20/07	1/2/08	DP
(1) EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	270	mg/l	12/20/07	1/21/08	DP
(1) EPA 200.7 Total Metals					
Boron	<0.5	mg/l	12/20/07	1/2/08	DP
Potassium	4.7	mg/l	12/20/07	1/2/08	DP
Sodium	1.1**	mg/l	12/20/07	1/2/08	DP
Iron	33	mg/l	12/20/07	1/2/08	DP
Manganese	7.2*	mg/l	12/20/07	1/2/08	DP
Magnesium	21*	mg/l	12/20/07	1/18/08	DP
Lead	0.030	mg/l	12/20/07	1/2/08	DP
Cadmium	<0.01	mg/l	12/20/07	1/2/08	DP
Aluminum	17	mg/l	12/20/07	1/2/08	DP
Calcium	75*	mg/l	12/20/07	1/18/08	DP
Antimony	<0.01	mg/l	12/20/07	1/2/08	DP
Arsenic	0.036	mg/l	12/20/07	1/2/08	DP
Beryllium	<0.01	mg/l	12/20/07	1/2/08	DP
Barium	<0.2	mg/l	12/20/07	1/2/08	DP
Chromium	0.026	mg/l	12/20/07	1/2/08	DP
Copper	0.072	mg/l	12/20/07	1/2/08	DP
Nickel	0.048	mg/l	12/20/07	1/2/08	DP
Selenium	0.24	mg/l	12/20/07	1/2/08	DP
Silver	<0.01**	mg/l	12/20/07	1/2/08	DP
Thallium	<0.01	mg/l	12/20/07	1/2/08	DP
Zinc	0.18	mg/l	12/20/07	1/2/08	DP

-- LABORATORY ANALYSIS REPORT --

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-312-S		LSL Sample ID:		0721017-020		
Location:						
Sampled: 12/18/07 11:20		Sampled By: EB				
Sample Matrix: NPW						
Analytical Method			Prep	Analysis	Analyst	
Analyte	Result	Units	Date	Date & Time	Initials	
(I) EPA 200.7 Total Metals						
Cobalt	0.13	mg/l	12/20/07	1/2/08	DP	
Vanadium	0.018	mg/l	12/20/07	1/2/08	DP	
(I) EPA 245.1 Mercury						
Mercury	<0.0002	mg/l	12/28/07	12/28/07	DP	
(I) EPA 245.1 Soluble Mercury						
Mercury	<0.0002	mg/l	12/28/07	12/28/07	DP	
(I) EPA 335.4 Total Cyanide						
Cyanide, Total	<0.01	mg/l	12/27/07	1/2/08	DRB	
(I) EPA 350.2 Ammonia						
Ammonia as N	<0.03	mg/l		1/8/08	DRB	
(I) EPA 351.2 TKN as N						
Total Kjeldahl Nitrogen	0.20***	mg/l	1/8/08	1/10/08	DRB	
A trace amount of this analyte was found in the laboratory preparation blank.						
(I) EPA 405.1 BOD-5						
Biochemical Oxygen Demand, 5 Day	<4	mg/l		12/19/07 17:33	MM/TE R	
(I) EPA 420.1 Recoverable Phenolics LL						
Phenolics, Total Recoverable	<0.003	mg/l	12/21/07	1/9/08	TER	
(I) EPA 8260B TCL Volatiles (Modified)						
Acetone	<10	ug/l		12/27/07	BD	
Acrylonitrile	<20	ug/l		12/27/07	BD	
Benzene	<1	ug/l		12/27/07	BD	
Bromochloromethane	<1	ug/l		12/27/07	BD	
Bromodichloromethane	<1	ug/l		12/27/07	BD	
Bromoform	<1	ug/l		12/27/07	BD	
Bromomethane	<1	ug/l		12/27/07	BD	
2-Butanone (MEK)	<10	ug/l		12/27/07	BD	
Carbon disulfide	<1	ug/l		12/27/07	BD	
Carbon tetrachloride	<1	ug/l		12/27/07	BD	
Chlorobenzene	<1	ug/l		12/27/07	BD	
Chloroethane	<1	ug/l		12/27/07	BD	
Chloromethane	<1	ug/l		12/27/07	BD	
Chloroform	<1	ug/l		12/27/07	BD	
Dibromochloromethane	<1	ug/l		12/27/07	BD	
1,2-Dihromo-3-chloropropane	<1	ug/l		12/27/07	BD	
1,2-Dibromoethane(EDB)	<1	ug/l		12/27/07	BD	
Dibromomethane	<1	ug/l		12/27/07	BD	
1,2-Dichlorobenzene	<1	ug/l		12/27/07	BD	
1,4-Dichlorobenzene	<1	ug/l		12/27/07	BD	
trans-1,4-Dichloro-2-butene	<5	ug/l		12/27/07	BD	
1,1-Dichloroethane	<1	ug/l		12/27/07	BD	
1,2-Dichloroethane	<1	ug/l		12/27/07	BD	
1,1-Dichloroethene	<1	ug/l		12/27/07	BD	
cis-1,2-Dichloroethene	<1	ug/l		12/27/07	BD	

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID:	MW-312-S	LSL Sample ID:	0721017-020
Location:			
Sampled:	12/18/07 11:20	Sampled By:	EB
Sample Matrix:	NPW		

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 8260B TCL Volatiles (Modified)					
trans-1,2-Dichloroethene	<1	ug/l		12/27/07	BD
1,2-Dichloropropane	<1	ug/l		12/27/07	BD
cis-1,3-Dichloropropene	<1	ug/l		12/27/07	BD
trans-1,3-Dichloropropene	<1	ug/l		12/27/07	BD
Ethyl benzene	<1	ug/l		12/27/07	BD
2-Hexanone	<10	ug/l		12/27/07	BD
Iodomethane (Methyl iodide)	<5	ug/l		12/27/07	BD
Methylene chloride	<1	ug/l		12/27/07	BD
4-Methyl-2-pentanone (MIBK)	<10	ug/l		12/27/07	BD
Styrene	<1	ug/l		12/27/07	BD
1,1,1,2-Tetrachloroethane	<1	ug/l		12/27/07	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		12/27/07	BD
Tetrachloroethene	<1	ug/l		12/27/07	BD
Toluene	<1	ug/l		12/27/07	BD
1,1,1-Trichloroethane	<1	ug/l		12/27/07	BD
1,1,2-Trichloroethane	<1	ug/l		12/27/07	BD
Trichloroethene	<1	ug/l		12/27/07	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		12/27/07	BD
1,2,3-Trichloropropane	<1	ug/l		12/27/07	BD
Vinyl acetate	<5	ug/l		12/27/07	BD
Vinyl chloride	<1	ug/l		12/27/07	BD
Xylenes (Total)	<1	ug/l		12/27/07	BD
Surrogate (1,2-DCA-d4)	114	%R		12/27/07	BD
Surrogate (Tol-d8)	103	%R		12/27/07	BD
Surrogate (4-BFB)	110	%R		12/27/07	BD
(1) EPA Method 300.0 A					
Bromide	<0.1*	mg/l		12/20/07 02:55	ANA
Lab control sample is less than established control limits.					
Chloride	5.3	mg/l		12/20/07 02:55	ANA
Nitrate as N	<0.1	mg/l		12/20/07 02:55	ANA
Sulfate	10*	mg/l		12/20/07 02:55	ANA
Lab control sample is less than established control limits. Result should be considered an estimate - the chromatographic peak was not completely resolved during the analysis.					
(1) Field Parameters					
Static Water Level	17.58	ft.		12/17/07	PAP
pH	7.41	Std. Units		12/18/07 11:20	EB
Specific Conductance	0.356	mS/cm		12/18/07 11:20	EB
Turbidity	600	NTU		12/18/07 11:20	EB
Dissolved Oxygen	7.54	mg/L		12/18/07 11:20	EB
Temperature @ Collection Point	10.3	Degrees C		12/18/07 11:20	EB
Eh, Redox potential	220	mV		12/18/07 11:20	EB
(1) Filtering Charge for Dissolved Metals					
Laboratory filtration charge				12/18/07	BPD
(1) HACH 8000 COD					
Chemical Oxygen Demand	16	mg/l		1/7/08	TER

-- LABORATORY ANALYSIS REPORT --

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-312-S

LSL Sample ID:

0721017-020

Location:

Sampled: 12/18/07 11:20

Sampled By: EB

Sample Matrix: NPW

Analytical Method		Prep		Analysis		Analyst
Analyte	Result	Units	Date	Date & Time	Initials	
(1) SM 18 2320B, Alkalinity as CaCO ₃						
Alkalinity	180	mg/l		12/20/07		MSP
(1) SM 18 3500C Hexavalent Chromium						
Chromium, Hexavalent	<0.01	mg/l		12/18/07 23:39		KBB
(1) SM 19 5310C TOC						
Total Organic Carbon	<1	mg/l		12/19/07		TER
(1) SM18 2120B, Color						
Apparent Color	25	units		12/20/07 12:54		MSP
(1) SM-2540C Total Dissolved Solids						
Total Dissolved Solids @ 180 C	240	mg/l		12/20/07		MM

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-234-S		LSL Sample ID:		0721017-021	
Location:					
Sampled: 12/18/07 9:15		Sampled By: EB			
Sample Matrix: NPW					
Analytical Method			Prep	Analysis	Analyst
Analyte	Result	Units	Date	Date & Time	Initials
(I) EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	350	mg/l	12/20/07	1/21/08	DP
(I) EPA 200.7 Total Metals					
Boron	<0.5	mg/l	12/20/07	1/2/08	DP
Potassium	1.2	mg/l	12/20/07	1/2/08	DP
Sodium	3.5**	mg/l	12/20/07	1/2/08	DP
Iron	1.3	mg/l	12/20/07	1/2/08	DP
Manganese	0.61	mg/l	12/20/07	1/2/08	DP
Magnesium	20*	mg/l	12/20/07	1/18/08	DP
Lead	<0.01	mg/l	12/20/07	1/2/08	DP
Cadmium	<0.01	mg/l	12/20/07	1/2/08	DP
Aluminum	0.80	mg/l	12/20/07	1/2/08	DP
Calcium	110*	mg/l	12/20/07	1/18/08	DP
Antimony	<0.01	mg/l	12/20/07	1/2/08	DP
Arsenic	0.021	mg/l	12/20/07	1/2/08	DP
Beryllium	<0.01	mg/l	12/20/07	1/2/08	DP
Barium	<0.2	mg/l	12/20/07	1/2/08	DP
Chromium	<0.01	mg/l	12/20/07	1/2/08	DP
Copper	<0.01	mg/l	12/20/07	1/2/08	DP
Nickel	<0.01	mg/l	12/20/07	1/2/08	DP
Selenium	0.24	mg/l	12/20/07	1/2/08	DP
Silver	<0.01**	mg/l	12/20/07	1/2/08	DP
Thallium	<0.01	mg/l	12/20/07	1/2/08	DP
Zinc	0.016	mg/l	12/20/07	1/2/08	DP
Cobalt	<0.01	mg/l	12/20/07	1/2/08	DP
Vanadium	<0.01	mg/l	12/20/07	1/2/08	DP
(I) EPA 245.1 Mercury					
Mercury	<0.0002	mg/l	12/28/07	12/28/07	DP
(I) EPA 335.4 Total Cyanide					
Cyanide, Total	<0.01	mg/l	12/27/07	1/2/08	DRB
(I) EPA 350.2 Ammonia					
Ammonia as N	<0.03	mg/l		1/8/08	DRB
(I) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	0.24***	mg/l	1/11/08	1/14/08	DRB
(I) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	<4	mg/l		12/19/07 17:33	MM/TE R
(I) EPA 420.1 Recoverable Phenolics LL					
Phenolics, Total Recoverable	<0.003	mg/l	12/21/07	1/9/08	TER
(I) EPA 8260B TCL Volatiles (Modified)					
Acetone	<10	ug/l		12/27/07	BD
Acrylonitrile	<20	ug/l		12/27/07	BD
Benzene	<1	ug/l		12/27/07	BD
Bromochloromethane	<1	ug/l		12/27/07	BD
Bromodichloromethane	<1	ug/l		12/27/07	BD

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-234-S LSL Sample ID: 0721017-021

Location:

Sampled: 12/18/07 9:15 Sampled By: EB

Sample Matrix: NPW

Analytical Method	Prep	Analysis	Analyst
Analyte	Date	Date & Time	Initials
(1) EPA 8260B TCL Volatiles (Modified)			
Bromoform	<1 ug/l	12/27/07	BD
Bromomethane	<1 ug/l	12/27/07	BD
2-Butanone (MEK)	<10 ug/l	12/27/07	BD
Carbon disulfide	<1 ug/l	12/27/07	BD
Carbon tetrachloride	<1 ug/l	12/27/07	BD
Chlorobenzene	<1 ug/l	12/27/07	BD
Chloroethane	<1 ug/l	12/27/07	BD
Chloromethane	<1 ug/l	12/27/07	BD
Chloroform	<1 ug/l	12/27/07	BD
Dibromochloromethane	<1 ug/l	12/27/07	BD
1,2-Dibromo-3-chloropropane	<1 ug/l	12/27/07	BD
1,2-Dibromoethane(EDB)	<1 ug/l	12/27/07	BD
Dibromomethane	<1 ug/l	12/27/07	BD
1,2-Dichlorobenzene	<1 ug/l	12/27/07	BD
1,4-Dichlorobenzene	<1 ug/l	12/27/07	BD
trans-1,4-Dichloro-2-butene	<5 ug/l	12/27/07	BD
1,1-Dichloroethane	<1 ug/l	12/27/07	BD
1,2-Dichloroethane	<1 ug/l	12/27/07	BD
1,1-Dichloroethene	<1 ug/l	12/27/07	BD
cis-1,2-Dichloroethene	<1 ug/l	12/27/07	BD
trans-1,2-Dichloroethene	<1 ug/l	12/27/07	BD
1,2-Dichloropropane	<1 ug/l	12/27/07	BD
cis-1,3-Dichloropropene	<1 ug/l	12/27/07	BD
trans-1,3-Dichloropropene	<1 ug/l	12/27/07	BD
Ethyl benzene	<1 ug/l	12/27/07	BD
2-Hexanone	<10 ug/l	12/27/07	BD
Iodomethane (Methyl iodide)	<5 ug/l	12/27/07	BD
Methylene chloride	<1 ug/l	12/27/07	BD
4-Methyl-2-pentanone (MIBK)	<10 ug/l	12/27/07	BD
Styrene	<1 ug/l	12/27/07	BD
1,1,1,2-Tetrachloroethane	<1 ug/l	12/27/07	BD
1,1,2,2-Tetrachloroethane	<1 ug/l	12/27/07	BD
Tetrachloroethene	<1 ug/l	12/27/07	BD
Toluene	<1 ug/l	12/27/07	BD
1,1,1-Trichloroethane	<1 ug/l	12/27/07	BD
1,1,2-Trichloroethane	<1 ug/l	12/27/07	BD
Trichloroethene	<1 ug/l	12/27/07	BD
Trichlorofluoromethane (Freon 11)	<1 ug/l	12/27/07	BD
1,2,3-Trichloropropane	<1 ug/l	12/27/07	BD
Vinyl acetate	<5 ug/l	12/27/07	BD
Vinyl chloride	<1 ug/l	12/27/07	BD
Xylenes (Total)	<1 ug/l	12/27/07	BD
Surrogate (1,2-DCA-d4)	113 %R	12/27/07	BD
Surrogate (Tol-d8)	103 %R	12/27/07	BD
Surrogate (4-BFB)	111 %R	12/27/07	BD

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-234-S	LSL Sample ID: 0721017-021
Location:	
Sampled: 12/18/07 9:15	Sampled By: EB
Sample Matrix: NPW	

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA Method 300.0 A					
Bromide	<0.1*	mg/l		12/20/07 03:15	ANA
<i>Lab control sample is less than established control limits.</i>					
Chloride	3.8	mg/l		12/20/07 03:15	ANA
Nitrate as N	<0.1	mg/l		12/20/07 03:15	ANA
Sulfate	58*	mg/l		12/20/07 03:15	ANA
<i>Lab control sample is less than established control limits. Result should be considered an estimate - the chromatographic peak was not completely resolved during the analysis.</i>					
(1) Field Parameters					
Static Water Level	14.05	ft.		12/17/07	PAP
pH	6.51	Std. Unts		12/18/07 09:15	EB
Specific Conductance	0.580	mS/cm		12/18/07 09:15	EB
Turbidity	10	NTU		12/18/07 09:15	EB
Dissolved Oxygen	0.94	mg/L		12/18/07 09:15	EB
Temperature @ Collection Point	9.7	Degrees C		12/18/07 09:15	EB
Eh, Redox potential	240	mV		12/18/07 09:15	EB
(1) HACH 8000 COD					
Chemical Oxygen Demand	<5	mg/l		1/7/08	TER
(1) SM 18 2320B, Alkalinity as CaCO3					
Alkalinity	240	mg/l		12/20/07	MSP
(1) SM 18 3500C Hexavalent Chromium					
Chromium, Hexavalent	<0.01	mg/l		12/18/07 23:39	KBB
(1) SM 19 5310C TOC					
Total Organic Carbon	1.6	mg/l		12/19/07	TER
(1) SM18 2120B, Color					
Apparent Color	20	units		12/20/07 12:54	MSP
(1) SM-2540C Total Dissolved Solids					
Total Dissolved Solids @ 180 C	390	mg/l		12/20/07	MM

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-234-D		LSL Sample ID: 0721017-022			
Location:					
Sampled:	12/18/07 9:25	Sampled By: EB			
Sample Matrix: NPW					
Analytical Method			Prep	Analysis	Analyst
Analyte	Result	Units	Date	Date & Time	Initials
(I) EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	340	mg/l	12/20/07	1/21/08	DP
(I) EPA 200.7 Total Metals					
Boron	<0.5	mg/l	12/20/07	1/2/08	DP
Potassium	2.9	mg/l	12/20/07	1/2/08	DP
Sodium	23**	mg/l	12/20/07	1/2/08	DP
Iron	1.5	mg/l	12/20/07	1/2/08	DP
Manganese	0.58	mg/l	12/20/07	1/2/08	DP
Magnesium	21*	mg/l	12/20/07	1/18/08	DP
Lead	<0.01	mg/l	12/20/07	1/2/08	DP
Cadmium	<0.01	mg/l	12/20/07	1/2/08	DP
Aluminum	0.56	mg/l	12/20/07	1/2/08	DP
Calcium	100*	mg/l	12/20/07	1/18/08	DP
Antimony	<0.01	mg/l	12/20/07	1/2/08	DP
Arsenic	0.024	mg/l	12/20/07	1/2/08	DP
Beryllium	<0.01	mg/l	12/20/07	1/2/08	DP
Barium	<0.2	mg/l	12/20/07	1/2/08	DP
Chromium	<0.01	mg/l	12/20/07	1/2/08	DP
Copper	<0.01	mg/l	12/20/07	1/2/08	DP
Nickel	<0.01	mg/l	12/20/07	1/2/08	DP
Selenium	0.23	mg/l	12/20/07	1/2/08	DP
Silver	<0.01**	mg/l	12/20/07	1/2/08	DP
Thallium	<0.01	mg/l	12/20/07	1/2/08	DP
Zinc	0.017	mg/l	12/20/07	1/2/08	DP
Cobalt	<0.01	mg/l	12/20/07	1/2/08	DP
Vanadium	<0.01	mg/l	12/20/07	1/2/08	DP
(I) EPA 245.1 Mercury					
Mercury	<0.0002	mg/l	12/28/07	12/28/07	DP
(I) EPA 335.4 Total Cyanide					
Cyanide, Total	<0.01	mg/l	12/27/07	1/2/08	DRB
(I) EPA 350.2 Ammonia					
Ammonia as N	<0.03	mg/l		1/8/08	DRB
(I) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	0.19***	mg/l	1/11/08	1/14/08	DRB
(I) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	<4	mg/l		12/19/07 17:33	MM/TE R
(I) EPA 420.1 Recoverable Phenolics LL					
Phenolics, Total Recoverable	<0.003	mg/l	12/21/07	1/9/08	TER
(I) EPA 8260B TCL Volatiles (Modified)					
Acetone	<10	ug/l		12/27/07	BD
Acrylonitrile	<20	ug/l		12/27/07	BD
Benzene	<1	ug/l		12/27/07	BD
Bromochloromethane	<1	ug/l		12/27/07	BD
Bromodichloromethane	<1	ug/l		12/27/07	BD

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-234-D LSL Sample ID: 0721017-022

Location:

Sampled: 12/18/07 9:25 Sampled By: EB

Sample Matrix: NPW

Analytical Method	Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units	
(1) EPA 8260B TCL Volatiles (Modified)			
Bromoform	<1	ug/l	BD
Bromomethane	<1	ug/l	BD
2-Butanone (MEK)	<10	ug/l	BD
Carbon disulfide	<1	ug/l	BD
Carbon tetrachloride	<1	ug/l	BD
Chlorobenzene	<1	ug/l	BD
Chloroethane	<1	ug/l	BD
Chloromethane	<1	ug/l	BD
Chloroform	<1	ug/l	BD
Dibromochloromethane	<1	ug/l	BD
1,2-Dibromo-3-chloropropane	<1	ug/l	BD
1,2-Dibromoethane(EDB)	<1	ug/l	BD
Dibromomethane	<1	ug/l	BD
1,2-Dichlorobenzene	<1	ug/l	BD
1,4-Dichlorobenzene	<1	ug/l	BD
trans-1,4-Dichloro-2-butene	<5	ug/l	BD
1,1-Dichloroethane	<1	ug/l	BD
1,2-Dichloroethane	<1	ug/l	BD
1,1-Dichloroethene	<1	ug/l	BD
cis-1,2-Dichloroethene	<1	ug/l	BD
trans-1,2-Dichloroethene	<1	ug/l	BD
1,2-Dichloropropane	<1	ug/l	BD
cis-1,3-Dichloropropene	<1	ug/l	BD
trans-1,3-Dichloropropene	<1	ug/l	BD
Ethyl benzene	<1	ug/l	BD
2-Hexanone	<10	ug/l	BD
Iodomethane (Methyl iodide)	<5	ug/l	BD
Methylene chloride	<1	ug/l	BD
4-Methyl-2-pentanone (MIBK)	<10	ug/l	BD
Styrene	<1	ug/l	BD
1,1,1,2-Tetrachloroethane	<1	ug/l	BD
1,1,2,2-Tetrachloroethane	<1	ug/l	BD
Tetrachloroethene	<1	ug/l	BD
Toluene	<1	ug/l	BD
1,1,1-Trichloroethane	<1	ug/l	BD
1,1,2-Trichloroethane	<1	ug/l	BD
Trichloroethene	<1	ug/l	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l	BD
1,2,3-Trichloropropane	<1	ug/l	BD
Vinyl acetate	<5	ug/l	BD
Vinyl chloride	<1	ug/l	BD
Xylenes (Total)	<1	ug/l	BD
Surrogate (1,2-DCA-d4)	114	%R	BD
Surrogate (Tol-d8)	104	%R	BD
Surrogate (4-BFB)	112	%R	BD

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-234-D		LSL Sample ID:		0721017-022		
Location:						
Sampled:	12/18/07 9:25	Sampled By: EB				
Sample Matrix: NPW						
Analytical Method			Prep Date	Analysis Date & Time		Analyst Initials
Analyte	Result	Units				
(1) EPA Method 300.0 A						
Bromide	<0.1*	mg/l		12/20/07	03:34	ANA
Lab control sample is less than established control limits.						
Chloride	36	mg/l		12/20/07	03:34	ANA
Nitrate as N	<0.1	mg/l		12/20/07	03:34	ANA
Sulfate	52*	mg/l		12/20/07	03:34	ANA
Lab control sample is less than established control limits. Result should be considered an estimate - the chromatographic peak was not completely resolved during the analysis.						
(1) Field Parameters						
Static Water Level	18.60	ft.		12/17/07		PAP
pH	6.75	Std. Units		12/18/07	09:25	BD
Specific Conductance	0.628	mS/cm		12/18/07	09:25	BD
Turbidity	3	NTU		12/18/07	09:25	BD
Dissolved Oxygen	1.82	mg/L		12/18/07	09:25	BD
Temperature @ Collection Point	10.0	Degrees C		12/18/07	09:25	BD
Eh, Redox potential	225	mV		12/18/07	09:25	BD
(1) HACH 8000 COD						
Chemical Oxygen Demand	5.7	mg/l		1/7/08		TER
(1) SM 18 2320B, Alkalinity as CaCO3						
Alkalinity	240	mg/l		12/20/07		MSP
(1) SM 18 3500C Hexavalent Chromium						
Chromium, Hexavalent	<0.01	mg/l		12/18/07	23:39	KBB
(1) SM 19 5310C TOC						
Total Organic Carbon	1.4	mg/l		12/19/07		TER
(1) SM18 2120B, Color						
Apparent Color	20	units		12/20/07	12:54	MSP
(1) SM-2540C Total Dissolved Solids						
Total Dissolved Solids @ 180 C	420	mg/l		12/20/07		MM

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-233-S	LSL Sample ID: 0721017-023
Location:	
Sampled: 12/18/07 9:35	Sampled By: EB
Sample Matrix: NPW	

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	550	mg/l	12/20/07	1/21/08	DP
(1) EPA 200.7 Total Metals					
Boron	<0.5	mg/l	12/20/07	1/2/08	DP
Potassium	3.1	mg/l	12/20/07	1/2/08	DP
Sodium	1.7**	mg/l	12/20/07	1/2/08	DP
Iron	0.18	mg/l	12/20/07	1/2/08	DP
Manganese	2.8	mg/l	12/20/07	1/2/08	DP
Magnesium	42*	mg/l	12/20/07	1/18/08	DP
Lead	<0.01	mg/l	12/20/07	1/2/08	DP
Cadmium	<0.01	mg/l	12/20/07	1/2/08	DP
Aluminum	<0.1	mg/l	12/20/07	1/2/08	DP
Calcium	150*	mg/l	12/20/07	1/18/08	DP
Antimony	<0.01	mg/l	12/20/07	1/2/08	DP
Arsenic	0.011	mg/l	12/20/07	1/2/08	DP
Beryllium	<0.01	mg/l	12/20/07	1/2/08	DP
Barium	<0.2	mg/l	12/20/07	1/2/08	DP
Chromium	<0.01	mg/l	12/20/07	1/2/08	DP
Copper	<0.01	mg/l	12/20/07	1/2/08	DP
Nickel	<0.01	mg/l	12/20/07	1/2/08	DP
Selenium	0.36	mg/l	12/20/07	1/2/08	DP
Silver	<0.01**	mg/l	12/20/07	1/2/08	DP
Thallium	<0.01	mg/l	12/20/07	1/2/08	DP
Zinc	0.016	mg/l	12/20/07	1/2/08	DP
Cobalt	<0.01	mg/l	12/20/07	1/2/08	DP
Vanadium	<0.01	mg/l	12/20/07	1/2/08	DP
(1) EPA 245.1 Mercury					
Mercury	<0.0002	mg/l	12/28/07	12/28/07	DP
(1) EPA 335.4 Total Cyanide					
Cyanide, Total	<0.01	mg/l	12/27/07	1/2/08	DRB
(1) EPA 350.2 Ammonia					
Ammonia as N	<0.03	mg/l		1/8/08	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	0.72***	mg/l	1/11/08	1/14/08	DRB
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	<4	mg/l		12/19/07 17:33	MM/TE R
(1) EPA 420.1 Recoverable Phenolics LL					
Phenolics, Total Recoverable	<0.003	mg/l	12/21/07	1/9/08	TER
(1) EPA 8260B TCL Volatiles (Modified)					
Acetone	<10	ug/l		12/27/07	BD
Acrylonitrile	<20	ug/l		12/27/07	BD
Benzene	<1	ug/l		12/27/07	BD
Bromochloromethane	<1	ug/l		12/27/07	BD
Bromodichloromethane	<1	ug/l		12/27/07	BD

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-233-S	LSL Sample ID: 0721017-023
Location:	
Sampled: 12/18/07 9:35	Sampled By: EB
Sample Matrix: NPW	

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA 8260B TCL Volatiles (Modified)					
Bromoform	<1	ug/l		12/27/07	BD
Bromomethane	<1	ug/l		12/27/07	BD
2-Butanone (MEK)	<10	ug/l		12/27/07	BD
Carbon disulfide	<1	ug/l		12/27/07	BD
Carbon tetrachloride	<1	ug/l		12/27/07	BD
Chlorobenzene	<1	ug/l		12/27/07	BD
Chloroethane	<1	ug/l		12/27/07	BD
Chloromethane	<1	ug/l		12/27/07	BD
Chloroform	<1	ug/l		12/27/07	BD
Dibromochloromethane	<1	ug/l		12/27/07	BD
1,2-Dibromo-3-chloropropane	<1	ug/l		12/27/07	BD
1,2-Dibromoethane(EDB)	<1	ug/l		12/27/07	BD
Dibromomethane	<1	ug/l		12/27/07	BD
1,2-Dichlorobenzene	<1	ug/l		12/27/07	BD
1,4-Dichlorobenzene	<1	ug/l		12/27/07	BD
trans-1,4-Dichloro-2-butene	<5	ug/l		12/27/07	BD
1,1-Dichloroethane	<1	ug/l		12/27/07	BD
1,2-Dichloroethane	<1	ug/l		12/27/07	BD
1,1-Dichloroethene	<1	ug/l		12/27/07	BD
cis-1,2-Dichloroethene	<1	ug/l		12/27/07	BD
trans-1,2-Dichloroethene	<1	ug/l		12/27/07	BD
1,2-Dichloropropane	<1	ug/l		12/27/07	BD
cis-1,3-Dichloropropene	<1	ug/l		12/27/07	BD
trans-1,3-Dichloropropene	<1	ug/l		12/27/07	BD
Ethyl benzene	<1	ug/l		12/27/07	BD
2-Hexanone	<10	ug/l		12/27/07	BD
Iodomethane (Methyl iodide)	<5	ug/l		12/27/07	BD
Methylene chloride	<1	ug/l		12/27/07	BD
4-Methyl-2-pentanone (MIBK)	<10	ug/l		12/27/07	BD
Styrene	<1	ug/l		12/27/07	BD
1,1,1,2-Tetrachloroethane	<1	ug/l		12/27/07	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		12/27/07	BD
Tetrachloroethene	<1	ug/l		12/27/07	BD
Toluene	<1	ug/l		12/27/07	BD
1,1,1-Trichloroethane	<1	ug/l		12/27/07	BD
1,1,2-Trichloroethane	<1	ug/l		12/27/07	BD
Trichloroethene	<1	ug/l		12/27/07	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		12/27/07	BD
1,2,3-Trichloropropane	<1	ug/l		12/27/07	BD
Vinyl acetate	<5	ug/l		12/27/07	BD
Vinyl chloride	<1	ug/l		12/27/07	BD
Xylenes (Total)	<1	ug/l		12/27/07	BD
Surrogate (1,2-DCA-d4)	116	%R		12/27/07	BD
Surrogate (Tol-d8)	102	%R		12/27/07	BD
Surrogate (4-BFB)	110	%R		12/27/07	BD

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID:	MW-233-S	LSL Sample ID:	0721017-023
Location:			
Sampled:	12/18/07 9:35	Sampled By:	EB
Sample Matrix:	NPW		

Analytical Method					
Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
<i>(1) EPA Method 300.0 A</i>					
Bromide	<0.1*	mg/l		12/20/07 03:54	ANA
<i>Lab control sample is less than established control limits.</i>					
Chloride	3.6	mg/l		12/20/07 03:54	ANA
Nitrate as N	15*	mg/l		12/20/07 03:54	ANA
<i>This result should be considered an estimate because the concentration exceeded the linear range of the instrument.</i>					
Sulfate	82*	mg/l		12/20/07 03:54	ANA
<i>Lab control sample is less than established control limits. Result should be considered an estimate - the chromatographic peak was not completely resolved during the analysis.</i>					
<i>(1) Field Parameters</i>					
Static Water Level	12.45	ft.		12/17/07	PAP
pH	6.71	Std. Units		12/18/07 09:35	BD
Specific Conductance	0.980	mS/cm		12/18/07 09:35	BD
Turbidity	12	NTU		12/18/07 09:35	BD
Dissolved Oxygen	2.64	mg/L		12/18/07 09:35	BD
Temperature @ Collection Point	9.8	Degrees C		12/18/07 09:35	BD
Eh, Redox potential	255	mV		12/18/07 09:35	BD
<i>(1) HACH 8000 COD</i>					
Chemical Oxygen Demand	13	mg/l		1/7/08	TER
<i>(1) SM 18 2320B, Alkalinity as CaCO3</i>					
Alkalinity	360	mg/l		12/20/07	MSP
<i>(1) SM 18 3500C Hexavalent Chromium</i>					
Chromium, Hexavalent	<0.01	mg/l		12/18/07 23:39	KBB
<i>(1) SM 19 5310C TOC</i>					
Total Organic Carbon	4.7	mg/l		12/19/07	TER
<i>(1) SM18 2120B, Color</i>					
Apparent Color	10	units		12/20/07 12:54	MSP
<i>(1) SM-2540C Total Dissolved Solids</i>					
Total Dissolved Solids @ 180 C	590	mg/l		12/20/07	MM

-- LABORATORY ANALYSIS REPORT --

C&S Engineers, Inc. N. Syracuse, NY

Sample ID:	MW-232-S	LSL Sample ID:	0721017-024
Location:			
Sampled:	12/18/07 10:00	Sampled By:	EB
Sample Matrix:	NPW		

Analytical Method					
Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
<i>(1) EPA 200.7 Soluble Metals</i>					
Potassium	1.5	mg/l	12/20/07	1/2/08	DP
Iron	0.45	mg/l	12/20/07	1/2/08	DP
Manganese	0.80	mg/l	12/20/07	1/2/08	DP
Magnesium	17*	mg/l	12/20/07	1/18/08	DP
Lead	<0.01	mg/l	12/20/07	1/2/08	DP
Cadmium	<0.01	mg/l	12/20/07	1/2/08	DP
Aluminum	<0.1	mg/l	12/20/07	1/2/08	DP
Calcium	100*	mg/l	12/20/07	1/18/08	DP
Antimony	<0.01	mg/l	12/20/07	1/2/08	DP
Arsenic	0.037	mg/l	12/20/07	1/2/08	DP
Beryllium	<0.01	mg/l	12/20/07	1/2/08	DP
Barium	<0.2	mg/l	12/20/07	1/2/08	DP
Chromium	<0.01	mg/l	12/20/07	1/2/08	DP
Copper	<0.01	mg/l	12/20/07	1/2/08	DP
Nickel	<0.01	mg/l	12/20/07	1/2/08	DP
Selenium	0.19	mg/l	12/20/07	1/2/08	DP
Silver	<0.01**	mg/l	12/20/07	1/2/08	DP
Thallium	<0.01	mg/l	12/20/07	1/2/08	DP
Zinc	0.018	mg/l	12/20/07	1/2/08	DP
Cobalt	<0.01	mg/l	12/20/07	1/2/08	DP
Vanadium	<0.01	mg/l	12/20/07	1/2/08	DP
Sodium	3.4**	mg/l	12/20/07	1/2/08	DP
<i>(1) EPA 200.7 Total Hardness as CaCO3</i>					
Hardness, Total	320	mg/l	12/20/07	1/21/08	DP
<i>(1) EPA 200.7 Total Metals</i>					
Boron	<0.5	mg/l	12/20/07	1/2/08	DP
Potassium	2.6	mg/l	12/20/07	1/2/08	DP
Sodium	3.3**	mg/l	12/20/07	1/2/08	DP
Iron	28	mg/l	12/20/07	1/2/08	DP
Manganese	1.2	mg/l	12/20/07	1/2/08	DP
Magnesium	18*	mg/l	12/20/07	1/18/08	DP
Lead	0.010	mg/l	12/20/07	1/2/08	DP
Cadmium	<0.01	mg/l	12/20/07	1/2/08	DP
Aluminum	3.1	mg/l	12/20/07	1/2/08	DP
Calcium	100*	mg/l	12/20/07	1/18/08	DP
Antimony	<0.01	mg/l	12/20/07	1/2/08	DP
Arsenic	0.32	mg/l	12/20/07	1/2/08	DP
Beryllium	<0.01	mg/l	12/20/07	1/2/08	DP
Barium	<0.2	mg/l	12/20/07	1/2/08	DP
Chromium	<0.01	mg/l	12/20/07	1/2/08	DP
Copper	0.015	mg/l	12/20/07	1/2/08	DP
Nickel	<0.01	mg/l	12/20/07	1/2/08	DP
Selenium	0.26	mg/l	12/20/07	1/2/08	DP
Silver	<0.01**	mg/l	12/20/07	1/2/08	DP
Thallium	<0.01	mg/l	12/20/07	1/2/08	DP
Zinc	0.057	mg/l	12/20/07	1/2/08	DP

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-232-S	LSL Sample ID: 0721017-024
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Location:

Sampled: 12/18/07 10:00 **Sampled By:** EB

Sample Matrix: NPW

Analytical Method					
Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 200.7 Total Metals					
Cobalt	<0.01	mg/l	12/20/07	1/2/08	DP
Vanadium	<0.01	mg/l	12/20/07	1/2/08	DP
(1) EPA 245.1 Mercury					
Mercury	<0.0002	mg/l	12/28/07	12/28/07	DP
(1) EPA 245.1 Soluble Mercury					
Mercury	<0.0002	mg/l	12/28/07	12/28/07	DP
(1) EPA 335.4 Total Cyanide					
Cyanide, Total	<0.01	mg/l	12/27/07	1/2/08	DRB
(1) EPA 350.2 Ammonia					
Ammonia as N	<0.03	mg/l		1/8/08	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	0.25***	mg/l	1/11/08	1/14/08	DRB
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	<4	mg/l		12/19/07 17:33	MM/TE R
(1) EPA 420.1 Recoverable Phenolics LL					
Phenolics, Total Recoverable	<0.003	mg/l	1/8/08	1/9/08	TER
(1) EPA 8260B TCL Volatiles (Modified)					
Acetone	<10	ug/l		12/27/07	BD
Acrylonitrile	<20	ug/l		12/27/07	BD
Benzene	<1	ug/l		12/27/07	BD
Bromochloromethane	<1	ug/l		12/27/07	BD
Bromodichloromethane	<1	ug/l		12/27/07	BD
Bromoform	<1	ug/l		12/27/07	BD
Bromomethane	<1	ug/l		12/27/07	BD
2-Butanone (MEK)	<10	ug/l		12/27/07	BD
Carbon disulfide	<1	ug/l		12/27/07	BD
Carbon tetrachloride	<1	ug/l		12/27/07	BD
Chlorobenzene	<1	ug/l		12/27/07	BD
Chloroethane	<1	ug/l		12/27/07	BD
Chloromethane	<1	ug/l		12/27/07	BD
Chloroform	<1	ug/l		12/27/07	BD
Dibromochloromethane	<1	ug/l		12/27/07	BD
1,2-Dibromo-3-chloropropane	<1	ug/l		12/27/07	BD
1,2-Dibromoethane(EDB)	<1	ug/l		12/27/07	BD
Dibromomethane	<1	ug/l		12/27/07	BD
1,2-Dichlorobenzene	<1	ug/l		12/27/07	BD
1,4-Dichlorobenzene	<1	ug/l		12/27/07	BD
trans-1,4-Dichloro-2-butene	<5	ug/l		12/27/07	BD
1,1-Dichloroethane	<1	ug/l		12/27/07	BD
1,2-Dichloroethane	<1	ug/l		12/27/07	BD
1,1-Dichloroethene	<1	ug/l		12/27/07	BD
cis-1,2-Dichloroethene	<1	ug/l		12/27/07	BD
trans-1,2-Dichloroethene	<1	ug/l		12/27/07	BD

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Page 78 of 110

Date Printed: 1/24/08

Analysis performed at: (1) LSL Central, (2) LSL North, (3) LSL Finger Lakes, (4) LSL Southern Tier, (5) LSL MidLakes, (6) LSL Brittonfield

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-232-S LSL Sample ID: 0721017-024

Location:

Sampled: 12/18/07 10:00 Sampled By: EB

Sample Matrix: NPW

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 8260B TCL Volatiles (Modified)					
1,2-Dichloropropane	<1	ug/l		12/27/07	BD
cis-1,3-Dichloropropene	<1	ug/l		12/27/07	BD
trans-1,3-Dichloropropene	<1	ug/l		12/27/07	BD
Ethyl benzene	<1	ug/l		12/27/07	BD
2-Hexanone	<10	ug/l		12/27/07	BD
Iodomethane (Methyl iodide)	<5	ug/l		12/27/07	BD
Methylene chloride	<1	ug/l		12/27/07	BD
4-Methyl-2-pentanone (MIBK)	<10	ug/l		12/27/07	BD
Styrene	<1	ug/l		12/27/07	BD
1,1,1,2-Tetrachloroethane	<1	ug/l		12/27/07	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		12/27/07	BD
Tetrachloroethene	<1	ug/l		12/27/07	BD
Toluene	<1	ug/l		12/27/07	BD
1,1,1-Trichloroethane	<1	ug/l		12/27/07	BD
1,1,2-Trichloroethane	<1	ug/l		12/27/07	BD
Trichloroethene	<1	ug/l		12/27/07	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		12/27/07	BD
1,2,3-Trichloropropane	<1	ug/l		12/27/07	BD
Vinyl acetate	<5	ug/l		12/27/07	BD
Vinyl chloride	<1	ug/l		12/27/07	BD
Xylenes (Total)	<1	ug/l		12/27/07	BD
Surrogate (1,2-DCA-d4)	114	%R		12/27/07	BD
Surrogate (Tol-d8)	102	%R		12/27/07	BD
Surrogate (4-BFB)	111	%R		12/27/07	BD
(1) EPA Method 300.0 A					
Bromide	<0.1*	mg/l		12/20/07 04:13	ANA
Lab control sample is less than established control limits.					
Chloride	6.7	mg/l		12/20/07 04:13	ANA
Nitrate as N	<0.1	mg/l		12/20/07 04:13	ANA
Sulfate	16*	mg/l		12/20/07 04:13	ANA
Lab control sample is less than established control limits. Result should be considered an estimate - the chromatographic peak was not completely resolved during the analysis.					
(1) Field Parameters					
Static Water Level	14.02	ft.		12/17/07	PAP
pH	6.88	Std. Units		12/18/07 10:00	BD
Specific Conductance	0.515	mS/cm		12/18/07 10:00	BD
Turbidity	312	NTU		12/18/07 10:00	BD
Dissolved Oxygen	1.94	mg/L		12/18/07 10:00	BD
Temperature @ Collection Point	10.1	Degrees C		12/18/07 10:00	BD
Eh, Redox potential	195	mV		12/18/07 10:00	BD
(1) Filtering Charge for Dissolved Metals					
Laboratory filtration charge				12/18/07	BPD
(1) HACH 8000 COD					
Chemical Oxygen Demand	6.6	mg/l		1/7/08	TER

-- LABORATORY ANALYSIS REPORT --

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-232-S

LSL Sample ID: 0721017-024

Location:

Sampled: 12/18/07 10:00

Sampled By: EB

Sample Matrix: NPW

Analytical Method		Result	Units	Prep Date	Analysis Date & Time		Analyst Initials
Analyte							
(1)	SM 18 2320B, Alkalinity as CaCO3						
	Alkalinity	260	mg/l		12/20/07		MSP
(1)	SM 18 3500C Hexavalent Chromium						
	Chromium, Hexavalent	<0.01	mg/l		12/18/07	23:39	KBB
(1)	SM 19 5310C TOC						
	Total Organic Carbon	2.7	mg/l		12/19/07		TER
(1)	SM18 2120B, Color						
	Apparent Color	400	units		12/20/07	12:54	MSP
(1)	SM-2540C Total Dissolved Solids						
	Total Dissolved Solids @ 180 C	320	mg/l		12/20/07		MM

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID:	MW-230-S	LSL Sample ID:	0721017-025
Location:			
Sampled:	12/18/07 13:50	Sampled By:	EB
Sample Matrix:	NPW		

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
<i>(1)</i> EPA 200.7 Soluble Metals					
Potassium	<1	mg/l	12/20/07	1/2/08	DP
Iron	0.21	mg/l	12/20/07	1/2/08	DP
Manganese	0.26	mg/l	12/20/07	1/2/08	DP
Magnesium	14*	mg/l	12/20/07	1/18/08	DP
Lead	<0.01	mg/l	12/20/07	1/2/08	DP
Cadmium	<0.01	mg/l	12/20/07	1/2/08	DP
Aluminum	0.010	mg/l	12/20/07	1/2/08	DP
Calcium	89*	mg/l	12/20/07	1/18/08	DP
Antimony	<0.01	mg/l	12/20/07	1/2/08	DP
Arsenic	0.019	mg/l	12/20/07	1/2/08	DP
Beryllium	<0.01	mg/l	12/20/07	1/2/08	DP
Barium	<0.2	mg/l	12/20/07	1/2/08	DP
Chromium	<0.01	mg/l	12/20/07	1/2/08	DP
Copper	<0.01	mg/l	12/20/07	1/2/08	DP
Nickel	<0.01	mg/l	12/20/07	1/2/08	DP
Selenium	0.15	mg/l	12/20/07	1/2/08	DP
Silver	<0.01**	mg/l	12/20/07	1/2/08	DP
Thallium	<0.01	mg/l	12/20/07	1/2/08	DP
Zinc	0.015	mg/l	12/20/07	1/2/08	DP
Cobalt	<0.01	mg/l	12/20/07	1/2/08	DP
Vanadium	<0.01	mg/l	12/20/07	1/2/08	DP
Sodium	8.9**	mg/l	12/20/07	1/2/08	DP
<i>(1)</i> EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	710	mg/l	12/20/07	1/21/08	DP
<i>(1)</i> EPA 200.7 Total Metals					
Boron	<0.5	mg/l	12/20/07	1/2/08	DP
Potassium	6.9	mg/l	12/20/07	1/2/08	DP
Sodium	11**	mg/l	12/20/07	1/2/08	DP
Iron	58	mg/l	12/20/07	1/2/08	DP
Manganese	4.2*	mg/l	12/20/07	1/2/08	DP
Magnesium	43*	mg/l	12/20/07	1/18/08	DP
Lead	0.054	mg/l	12/20/07	1/2/08	DP
Cadmium	<0.01	mg/l	12/20/07	1/2/08	DP
Aluminum	27	mg/l	12/20/07	1/2/08	DP
Calcium	210*	mg/l	12/20/07	1/18/08	DP
Antimony	<0.01	mg/l	12/20/07	1/2/08	DP
Arsenic	0.039	mg/l	12/20/07	1/2/08	DP
Beryllium	<0.01	mg/l	12/20/07	1/2/08	DP
Barium	0.30	mg/l	12/20/07	1/2/08	DP
Chromium	0.039	mg/l	12/20/07	1/2/08	DP
Copper	0.13	mg/l	12/20/07	1/2/08	DP
Nickel	0.063	mg/l	12/20/07	1/2/08	DP
Selenium	0.63	mg/l	12/20/07	1/2/08	DP
Silver	<0.01**	mg/l	12/20/07	1/2/08	DP
Thallium	<0.01	mg/l	12/20/07	1/2/08	DP
Zinc	0.22	mg/l	12/20/07	1/2/08	DP

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-230-S **LSL Sample ID:** 0721017-025

Location:

Sampled: 12/18/07 13:50 **Sampled By:** EB

Sample Matrix: NPW

Analytical Method			Prep	Analysis		Analyst
Analyte	Result	Units	Date	Date & Time		Initials
(I) EPA 200.7 Total Metals						
Cobalt	0.026	mg/l	12/20/07	1/2/08		DP
Vanadium	0.028	mg/l	12/20/07	1/2/08		DP
(I) EPA 245.1 Mercury						
Mercury	<0.0002	mg/l	12/28/07	12/28/07		DP
(I) EPA 245.1 Soluble Mercury						
Mercury	<0.0002	mg/l	12/28/07	12/28/07		DP
(I) EPA 335.4 Total Cyanide						
Cyanide, Total	<0.01	mg/l	12/27/07	1/2/08		DRB
(I) EPA 350.2 Ammonia						
Ammonia as N	<0.03	mg/l		1/8/08		DRB
(I) EPA 351.2 TKN as N						
Total Kjeldahl Nitrogen	0.22***	mg/l	1/11/08	1/14/08		DRB
(I) EPA 405.1 BOD-5						
Biochemical Oxygen Demand, 5 Day	<4	mg/l		12/19/07	17:33	MM/TE R
(I) EPA 420.1 Recoverable Phenolics LL						
Phenolics, Total Recoverable	<0.003	mg/l	1/8/08	1/9/08		TER
(I) EPA 8260B TCL Volatiles (Modified)						
Acetone	<10	ug/l		12/28/07		BD
Acrylonitrile	<20	ug/l		12/28/07		BD
Benzene	<1	ug/l		12/28/07		BD
Bromochloromethane	<1	ug/l		12/28/07		BD
Bromodichloromethane	<1	ug/l		12/28/07		BD
Bromoform	<1	ug/l		12/28/07		BD
Bromomethane	<1	ug/l		12/28/07		BD
2-Butanone (MEK)	<10	ug/l		12/28/07		BD
Carbon disulfide	<1	ug/l		12/28/07		BD
Carbon tetrachloride	<1	ug/l		12/28/07		BD
Chlorobenzene	<1	ug/l		12/28/07		BD
Chloroethane	<1	ug/l		12/28/07		BD
Chloromethane	<1	ug/l		12/28/07		BD
Chloroform	<1	ug/l		12/28/07		BD
Dibromochloromethane	<1	ug/l		12/28/07		BD
1,2-Dibromo-3-chloropropane	<1	ug/l		12/28/07		BD
1,2-Dibromoethane(EDB)	<1	ug/l		12/28/07		BD
Dibromomethane	<1	ug/l		12/28/07		BD
1,2-Dichlorobenzene	<1	ug/l		12/28/07		BD
1,4-Dichlorobenzene	<1	ug/l		12/28/07		BD
trans-1,4-Dichloro-2-butene	<5	ug/l		12/28/07		BD
1,1-Dichloroethane	<1	ug/l		12/28/07		BD
1,2-Dichloroethane	<1	ug/l		12/28/07		BD
1,1-Dichloroethene	<1	ug/l		12/28/07		BD
cis-1,2-Dichloroethene	<1	ug/l		12/28/07		BD
trans-1,2-Dichloroethene	<1	ug/l		12/28/07		BD

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-230-S	LSL Sample ID: 0721017-025
Location:	
Sampled: 12/18/07 13:50	Sampled By: EB
Sample Matrix: NPW	

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					

(1) EPA 8260B TCL Volatiles (Modified)

1,2-Dichloropropane	<1	ug/l		12/28/07	BD
cis-1,3-Dichloropropene	<1	ug/l		12/28/07	BD
trans-1,3-Dichloropropene	<1	ug/l		12/28/07	BD
Ethyl benzene	<1	ug/l		12/28/07	BD
2-Hexanone	<10	ug/l		12/28/07	BD
Iodomethane (Methyl iodide)	<5	ug/l		12/28/07	BD
Methylene chloride	<1	ug/l		12/28/07	BD
4-Methyl-2-pentanone (MIBK)	<10	ug/l		12/28/07	BD
Styrene	<1	ug/l		12/28/07	BD
1,1,1,2-Tetrachloroethane	<1	ug/l		12/28/07	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		12/28/07	BD
Tetrachloroethene	<1	ug/l		12/28/07	BD
Toluene	<1	ug/l		12/28/07	BD
1,1,1-Trichloroethane	<1	ug/l		12/28/07	BD
1,1,2-Trichloroethane	<1	ug/l		12/28/07	BD
Trichloroethene	<1	ug/l		12/28/07	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		12/28/07	BD
1,2,3-Trichloropropane	<1	ug/l		12/28/07	BD
Vinyl acetate	<5	ug/l		12/28/07	BD
Vinyl chloride	<1	ug/l		12/28/07	BD
Xylenes (Total)	<1	ug/l		12/28/07	BD
Surrogate (1,2-DCA-d4)	113	%R		12/28/07	BD
Surrogate (Tol-d8)	103	%R		12/28/07	BD
Surrogate (4-BFB)	110	%R		12/28/07	BD

(1) EPA Method 300.0 A

Bromide	<0.1*	mg/l		12/20/07 04:33	ANA
<i>Lab control sample is less than established control limits.</i>					
Chloride	50	mg/l		12/20/07 04:33	ANA
Nitrate as N	<0.1	mg/l		12/20/07 04:33	ANA
Sulfate	18*	mg/l		12/20/07 04:33	ANA

Lab control sample is less than established control limits. Result should be considered an estimate - the chromatographic peak was not completely resolved during the analysis.

(1) Field Parameters

Static Water Level	12.55	ft.		12/17/07	PAP
pH	7.28	Std. Units		12/18/07 13:50	BD
Specific Conductance	0.436	mS/cm		12/18/07 13:50	BD
Turbidity	>999	NTU		12/18/07 13:50	BD
Dissolved Oxygen	0.15	mg/L		12/18/07 13:50	BD
Temperature @ Collection Point	10.4	Degrees C		12/18/07 13:50	BD
Eh, Redox potential	340	mV		12/18/07 13:50	BD

(1) Filtering Charge for Dissolved Metals

Laboratory filtration charge				12/18/07	BPD
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(1) HACH 8000 COD

Chemical Oxygen Demand	7.4	mg/l		1/7/08	TER
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-- LABORATORY ANALYSIS REPORT --

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-230-S

LSL Sample ID: 0721017-025

Location:

Sampled: 12/18/07 13:50

Sampled By: EB

Sample Matrix: NPW

Analytical Method			Prep Date	Analysis		Analyst Initials
Analyte	Result	Units		Date & Time		
(1) SM 18 2320B, Alkalinity as CaCO3						
Alkalinity	160	mg/l		12/20/07		MSP
(1) SM 18 3500C Hexavalent Chromium						
Chromium, Hexavalent	<0.01	mg/l		12/18/07 23:39		KBB
(1) SM 19 5310C TOC						
Total Organic Carbon	<1	mg/l		12/20/07		TER
(1) SM18 2120B, Color						
Apparent Color	500	units		12/20/07 12:54		MSP
(1) SM-2540C Total Dissolved Solids						
Total Dissolved Solids @ 180 C	350	mg/l		12/20/07		MM

-- LABORATORY ANALYSIS REPORT --

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-230-D **LSL Sample ID:** 0721017-026

Location:

Sampled: 12/18/07 14:00 **Sampled By:** EB

Sample Matrix: NPW

Analytical Method		Result	Units	Prep Date	Analysis		Analyst Initials
Analyte					Date & Time		
(I)	EPA 200.7 Total Hardness as CaCO3						
	Hardness, Total	85	mg/l	12/20/07	1/21/08		DP
(I)	EPA 200.7 Total Metals						
	Boron	<0.5	mg/l	12/20/07	1/2/08		DP
	Potassium	1.3	mg/l	12/20/07	1/2/08		DP
	Sodium	27**	mg/l	12/20/07	1/2/08		DP
	Iron	1.8	mg/l	12/20/07	1/2/08		DP
	Manganese	0.35	mg/l	12/20/07	1/2/08		DP
	Magnesium	6.2*	mg/l	12/20/07	1/18/08		DP
	Lead	<0.01	mg/l	12/20/07	1/2/08		DP
	Cadmium	<0.01	mg/l	12/20/07	1/2/08		DP
	Aluminum	0.35	mg/l	12/20/07	1/2/08		DP
	Calcium	24*	mg/l	12/20/07	1/18/08		DP
	Antimony	<0.01	mg/l	12/20/07	1/2/08		DP
	Arsenic	0.015	mg/l	12/20/07	1/2/08		DP
	Beryllium	<0.01	mg/l	12/20/07	1/2/08		DP
	Barium	<0.2	mg/l	12/20/07	1/2/08		DP
	Chromium	<0.01	mg/l	12/20/07	1/2/08		DP
	Copper	<0.01	mg/l	12/20/07	1/2/08		DP
	Nickel	<0.01	mg/l	12/20/07	1/2/08		DP
	Selenium	0.053	mg/l	12/20/07	1/2/08		DP
	Silver	<0.01**	mg/l	12/20/07	1/2/08		DP
	Thallium	<0.01	mg/l	12/20/07	1/2/08		DP
	Zinc	0.13	mg/l	12/20/07	1/2/08		DP
	Cobalt	<0.01	mg/l	12/20/07	1/2/08		DP
	Vauadium	<0.01	mg/l	12/20/07	1/2/08		DP
(I)	EPA 245.1 Mercury						
	Mercury	<0.0002	mg/l	12/28/07	12/28/07		DP
(I)	EPA 335.4 Total Cyanide						
	Cyanide, Total	<0.01	mg/l	12/27/07	1/2/08		DRB
(I)	EPA 350.2 Ammonia						
	Ammonia as N	<0.03	mg/l		1/8/08		DRB
(I)	EPA 351.2 TKN as N						
	Total Kjeldahl Nitrogen	0.23***	mg/l	1/11/08	1/14/08		DRB
(I)	EPA 405.1 BOD-5						
	Biochemical Oxygen Demand, 5 Day	<4	mg/l		12/19/07 17:33		MM/TE R
(I)	EPA 420.1 Recoverable Phenolics LL						
	Phenolics, Total Recoverable	<0.003	mg/l	1/8/08	1/9/08		TER
(I)	EPA 8260B TCL Volatiles (Modified)						
	Acetone	<10	ug/l		12/28/07		BD
	Acrylonitrile	<20	ug/l		12/28/07		BD
	Benzene	<1	ug/l		12/28/07		BD
	Bromochloromethane	<1	ug/l		12/28/07		BD
	Bromodichloromethane	<1	ug/l		12/28/07		BD

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-230-D LSL Sample ID: 0721017-026

Location:

Sampled: 12/18/07 14:00 Sampled By: EB

Sample Matrix: NPW

Analytical Method		Prep	Analysis	Analyst	
Analyte	Result	Units	Date	Date & Time	Initials
(1) EPA 8260B TCL Volatiles (Modified)					
Bromoform	<1	ug/l		12/28/07	BD
Bromomethane	<1	ug/l		12/28/07	BD
2-Butanone (MEK)	<10	ug/l		12/28/07	BD
Carbon disulfide	<1	ug/l		12/28/07	BD
Carbon tetrachloride	<1	ug/l		12/28/07	BD
Chlorobenzene	<1	ug/l		12/28/07	BD
Chloroethane	<1	ug/l		12/28/07	BD
Chloromethane	<1	ug/l		12/28/07	BD
Chloroform	<1	ug/l		12/28/07	BD
Dibromochloromethane	<1	ug/l		12/28/07	BD
1,2-Dibromo-3-chloropropane	<1	ug/l		12/28/07	BD
1,2-Dibromoethane(EDB)	<1	ug/l		12/28/07	BD
Dibromomethane	<1	ug/l		12/28/07	BD
1,2-Dichlorobenzene	<1	ug/l		12/28/07	BD
1,4-Dichlorobenzene	<1	ug/l		12/28/07	BD
trans-1,4-Dichloro-2-butene	<5	ug/l		12/28/07	BD
1,1-Dichloroethane	<1	ug/l		12/28/07	BD
1,2-Dichloroethane	<1	ug/l		12/28/07	BD
1,1-Dichloroethene	<1	ug/l		12/28/07	BD
cis-1,2-Dichloroethene	<1	ug/l		12/28/07	BD
trans-1,2-Dichloroethene	<1	ug/l		12/28/07	BD
1,2-Dichloropropane	<1	ug/l		12/28/07	BD
cis-1,3-Dichloropropene	<1	ug/l		12/28/07	BD
trans-1,3-Dichloropropene	<1	ug/l		12/28/07	BD
Ethyl benzene	<1	ug/l		12/28/07	BD
2-Hexanone	<10	ug/l		12/28/07	BD
Iodomethane (Methyl iodide)	<5	ug/l		12/28/07	BD
Methylene chloride	<1	ug/l		12/28/07	BD
4-Methyl-2-pentanone (MIBK)	<10	ug/l		12/28/07	BD
Styrene	<1	ug/l		12/28/07	BD
1,1,1,2-Tetrachloroethane	<1	ug/l		12/28/07	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		12/28/07	BD
Tetrachloroethene	<1	ug/l		12/28/07	BD
Toluene	<1	ug/l		12/28/07	BD
1,1,1-Trichloroethane	<1	ug/l		12/28/07	BD
1,1,2-Trichloroethane	<1	ug/l		12/28/07	BD
Trichloroethene	<1	ug/l		12/28/07	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		12/28/07	BD
1,2,3-Trichloropropane	<1	ug/l		12/28/07	BD
Vinyl acetate	<5	ug/l		12/28/07	BD
Vinyl chloride	<1	ug/l		12/28/07	BD
Xylenes (Total)	<1	ug/l		12/28/07	BD
Surrogate (1,2-DCA-d4)	113	%R		12/28/07	BD
Snrrogate (Tol-d8)	104	%R		12/28/07	BD
Surrogate (4-BFB)	110	%R		12/28/07	BD

-- LABORATORY ANALYSIS REPORT --

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-230-D LSL Sample ID: 0721017-026

Location:

Sampled: 12/18/07 14:00 Sampled By: EB

Sample Matrix: NPW

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
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(I) EPA Method 300.0 A

Bromide	<0.1*	mg/l		12/20/07 04:53	ANA
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Lab control sample is less than established control limits.

Chloride	6.8	mg/l		12/20/07 04:53	ANA
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Nitrate as N	0.36	mg/l		12/20/07 04:53	ANA
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Sulfate	5.5*	mg/l		12/20/07 04:53	ANA
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Lab control sample is less than established control limits. Result should be considered an estimate - the chromatographic peak was not completely resolved during the analysis.

(I) Field Parameters

Static Water Level	12.35	ft.		12/17/07	PAP
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pH	7.41	Std. Units		12/18/07 14:00	BD
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Specific Conductance	0.236	mS/cm		12/18/07 14:00	BD
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Turbidity	0	NTU		12/18/07 14:00	BD
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Dissolved Oxygen	2.34	mg/L		12/18/07 14:00	BD
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Temperature @ Collection Point	10.3	Degrees C		12/18/07 14:00	BD
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Eh, Redox potential	295	mV		12/18/07 14:00	BD
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(I) HACH 8000 COD

Chemical Oxygen Demand	11	mg/l		1/7/08	TER
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(I) SM 18 2320B, Alkalinity as CaCO3

Alkalinity	120	mg/l		12/20/07	MSP
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(I) SM 18 3500C Hexavalent Chromium

Chromium, Hexavalent	<0.01	mg/l		12/18/07 23:39	KBB
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(I) SM 19 5310C TOC

Total Organic Carbon	1.7	mg/l		12/20/07	TER
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(I) SM18 2120B, Color

Apparent Color	10	units		12/20/07 12:54	MSP
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(I) SM-2540C Total Dissolved Solids

Total Dissolved Solids @ 180 C	190	mg/l		12/20/07	MM
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- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-234-S (Duplicate)

LSL Sample ID: 0721017-027

Location:

Sampled: 12/18/07 14:05

Sampled By: EB

Sample Matrix: QC, NPW

Analytical Method		Prep		Analysis		Analyst
Analyte	Result	Units	Date	Date & Time		Initials
<i>(1)</i> EPA 200.7 Total Hardness as CaCO3						
Hardness, Total	92	mg/l	12/20/07	1/21/08		DP
<i>(1)</i> EPA 200.7 Total Metals						
Boron	<0.5	mg/l	12/20/07	1/2/08		DP
Potassium	1.3	mg/l	12/20/07	1/2/08		DP
Sodium	27**	mg/l	12/20/07	1/2/08		DP
Iron	2.3	mg/l	12/20/07	1/2/08		DP
Manganese	0.37	mg/l	12/20/07	1/2/08		DP
Magnesium	6.8*	mg/l	12/20/07	1/18/08		DP
Lead	0.010	mg/l	12/20/07	1/2/08		DP
Cadmium	<0.01	mg/l	12/20/07	1/2/08		DP
Aluminum	0.47	mg/l	12/20/07	1/2/08		DP
Calcium	26*	mg/l	12/20/07	1/18/08		DP
Antimony	<0.01	mg/l	12/20/07	1/2/08		DP
Arsenic	0.014	mg/l	12/20/07	1/2/08		DP
Beryllium	<0.01	mg/l	12/20/07	1/2/08		DP
Barium	<0.2	mg/l	12/20/07	1/2/08		DP
Chromium	<0.01	mg/l	12/20/07	1/2/08		DP
Copper	<0.01	mg/l	12/20/07	1/2/08		DP
Nickel	<0.01	mg/l	12/20/07	1/2/08		DP
Selenium	0.051	mg/l	12/20/07	1/2/08		DP
Silver	<0.01**	mg/l	12/20/07	1/2/08		DP
Thallium	<0.01	mg/l	12/20/07	1/2/08		DP
Zinc	0.14	mg/l	12/20/07	1/2/08		DP
Cobalt	<0.01	mg/l	12/20/07	1/2/08		DP
Vanadium	<0.01	mg/l	12/20/07	1/2/08		DP
<i>(1)</i> EPA 245.1 Mercury						
Mercury	<0.0002	mg/l	12/31/07	1/2/08		DP
<i>(1)</i> EPA 335.4 Total Cyanide						
Cyanide, Total	<0.01	mg/l	12/27/07	1/2/08		DRB
<i>(1)</i> EPA 350.2 Ammonia						
Ammonia as N	<0.03	mg/l		1/8/08		DRB
<i>(1)</i> EPA 351.2 TKN as N						
Total Kjeldahl Nitrogen	0.25***	mg/l	1/11/08	1/14/08		DRB
<i>(1)</i> EPA 405.1 BOD-5						
Biochemical Oxygen Demand, 5 Day	<4	mg/l		12/19/07 17:33		MM/TE R
<i>(1)</i> EPA 420.1 Recoverable Phenolics LL						
Phenolics, Total Recoverable	<0.003	mg/l	1/8/08	1/9/08		TER
<i>(1)</i> EPA 8260B TCL Volatiles (Modified)						
Acetone	<10	ug/l		12/28/07		BD
Acrylonitrile	<20	ug/l		12/28/07		BD
Benzene	<1	ug/l		12/28/07		BD
Bromochloromethane	<1	ug/l		12/28/07		BD
Bromodichloromethane	<1	ug/l		12/28/07		BD

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-234-S (Duplicate) LSL Sample ID: 0721017-027

Location:

Sampled: 12/18/07 14:05 Sampled By: EB

Sample Matrix: QC, NPW

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 8260B TCL Volatiles (Modified)					
Bromoform	<1	ug/l		12/28/07	BD
Bromomethane	<1	ug/l		12/28/07	BD
2-Butanone (MEK)	<10	ug/l		12/28/07	BD
Carbon disulfide	<1	ug/l		12/28/07	BD
Carbon tetrachloride	<1	ug/l		12/28/07	BD
Chlorobenzene	<1	ug/l		12/28/07	BD
Chloroethane	<1	ug/l		12/28/07	BD
Chloromethane	<1	ug/l		12/28/07	BD
Chloroform	<1	ug/l		12/28/07	BD
Dibromochloromethane	<1	ug/l		12/28/07	BD
1,2-Dibromo-3-chloropropane	<1	ug/l		12/28/07	BD
1,2-Dibromoethane(EDB)	<1	ug/l		12/28/07	BD
Dibromomethane	<1	ug/l		12/28/07	BD
1,2-Dichlorobenzene	<1	ug/l		12/28/07	BD
1,4-Dichlorobenzene	<1	ug/l		12/28/07	BD
trans-1,4-Dichloro-2-butene	<5	ug/l		12/28/07	BD
1,1-Dichloroethane	<1	ug/l		12/28/07	BD
1,2-Dichloroethane	<1	ug/l		12/28/07	BD
1,1-Dichloroethene	<1	ug/l		12/28/07	BD
cis-1,2-Dichloroethene	<1	ug/l		12/28/07	BD
trans-1,2-Dichloroethene	<1	ug/l		12/28/07	BD
1,2-Dichloropropane	<1	ug/l		12/28/07	BD
cis-1,3-Dichloropropene	<1	ug/l		12/28/07	BD
trans-1,3-Dichloropropene	<1	ug/l		12/28/07	BD
Ethyl benzene	<1	ug/l		12/28/07	BD
2-Hexanone	<10	ug/l		12/28/07	BD
Iodomethane (Methyl iodide)	<5	ug/l		12/28/07	BD
Methylene chloride	<1	ug/l		12/28/07	BD
4-Methyl-2-pentanone (MIBK)	<10	ug/l		12/28/07	BD
Styrene	<1	ug/l		12/28/07	BD
1,1,1,2-Tetrachloroethane	<1	ug/l		12/28/07	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		12/28/07	BD
Tetrachloroethene	<1	ug/l		12/28/07	BD
Toluene	<1	ug/l		12/28/07	BD
1,1,1-Trichloroethane	<1	ug/l		12/28/07	BD
1,1,2-Trichloroethane	<1	ug/l		12/28/07	BD
Trichloroethene	<1	ug/l		12/28/07	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		12/28/07	BD
1,2,3-Trichloropropane	<1	ug/l		12/28/07	BD
Vinyl acetate	<5	ug/l		12/28/07	BD
Vinyl chloride	<1	ug/l		12/28/07	BD
Xylenes (Total)	<1	ug/l		12/28/07	BD
Surrogate (1,2-DCA-d4)	117	%R		12/28/07	BD
Surrogate (Tol-d8)	104	%R		12/28/07	BD
Surrogate (4-BFB)	109	%R		12/28/07	BD

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MW-234-S (Duplicate) **LSL Sample ID:** 0721017-027

Location:

Sampled: 12/18/07 14:05 **Sampled By:** EB

Sample Matrix: QC, NPW

Analytical Method		Result	Units	Prep Date	Analysis		Analyst Initials
Analyte					Date & Time		
(1) EPA Method 300.0 A							
Bromide		<0.1*	mg/l		12/20/07	05:12	ANA
Lab control sample is less than established control limits.							
Chloride		6.6	mg/l		12/20/07	05:12	ANA
Nitrate as N		0.30	mg/l		12/20/07	05:12	ANA
Sulfate		5.1*	mg/l		12/20/07	05:12	ANA
Lab control sample is less than established control limits. Result should be considered an estimate - the chromatographic peak was not completely resolved during the analysis.							
(1) Field Parameters							
Static Water Level		N/A					
pH		7.10	Std.Units		12/18/07	14:05	PP
Specific Conductance		0.236	mS/cm		12/18/07	14:05	PP
Turbidity		8	NTU		12/18/07	14:05	PP
Dissolved Oxygen		2.24	mg/L		12/18/07	14:05	PP
Temperature @ Collection Point		9.5	Degrees C		12/18/07	14:05	PP
Eh, Redox potential		275	mV		12/18/07	14:05	PP
(1) HACH 8000 COD							
Chemical Oxygen Demand		6.1	mg/l		1/7/08		TER
(1) SM 18 2320B, Alkalinity as CaCO3							
Alkalinity		130	mg/l		12/20/07		MSP
(1) SM 18 3500C Hexavalent Chromium							
Chromium, Hexavalent		<0.01	mg/l		12/18/07	23:39	KBB
(1) SM 19 5310C TOC							
Total Organic Carbon		1.7	mg/l		12/20/07		TER
(1) SM18 2120B, Color							
Apparent Color		20	units		12/20/07	12:54	MSP
(1) SM-2540C Total Dissolved Solids							
Total Dissolved Solids @ 180 C		160	mg/l		12/20/07		MM

-- LABORATORY ANALYSIS REPORT --

C&S Engineers, Inc. N. Syracuse, NY

Sample ID:	SW-3	LSL Sample ID:	0721017-028
Location:			
Sampled:	12/18/07 12:15	Sampled By:	EB
Sample Matrix:	NPW		

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	150	mg/l	12/20/07	1/21/08	DP
(1) EPA 200.7 Total Metals					
Boron	<0.5	mg/l	12/20/07	1/2/08	DP
Potassium	2.5	mg/l	12/20/07	1/2/08	DP
Sodium	40**	mg/l	12/20/07	1/2/08	DP
Iron	0.36	mg/l	12/20/07	1/2/08	DP
Manganese	0.078	mg/l	12/20/07	1/2/08	DP
Magnesium	12*	mg/l	12/20/07	1/18/08	DP
Lead	<0.01	mg/l	12/20/07	1/2/08	DP
Cadmium	<0.01	mg/l	12/20/07	1/2/08	DP
Aluminum	0.12	mg/l	12/20/07	1/2/08	DP
Calcium	41*	mg/l	12/20/07	1/18/08	DP
Antimony	<0.01	mg/l	12/20/07	1/2/08	DP
Arsenic	0.013	mg/l	12/20/07	1/2/08	DP
Beryllium	<0.01	mg/l	12/20/07	1/2/08	DP
Barium	<0.2	mg/l	12/20/07	1/2/08	DP
Chromium	<0.01	mg/l	12/20/07	1/2/08	DP
Copper	<0.01	mg/l	12/20/07	1/2/08	DP
Nickel	<0.01	mg/l	12/20/07	1/2/08	DP
Selenium	0.085	mg/l	12/20/07	1/2/08	DP
Silver	<0.01**	mg/l	12/20/07	1/2/08	DP
Thallium	<0.01	mg/l	12/20/07	1/2/08	DP
Zinc	0.013	mg/l	12/20/07	1/2/08	DP
Cobalt	<0.01	mg/l	12/20/07	1/2/08	DP
Vanadium	<0.01	mg/l	12/20/07	1/2/08	DP
(1) EPA 245.1 Mercury					
Mercury	<0.0002	mg/l	12/31/07	1/2/08	DP
(1) EPA 335.4 Total Cyanide					
Cyanide, Total	<0.01	mg/l	12/27/07	1/2/08	DRB
(1) EPA 350.2 Ammonia					
Ammonia as N	<0.03	mg/l		1/8/08	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	0.66***	mg/l	1/11/08	1/14/08	DRB
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	<4	mg/l		12/19/07 17:33	MM/TE R
(1) EPA 420.1 Recoverable Phenolics LL					
Phenolics, Total Recoverable	<0.003	mg/l	1/8/08	1/9/08	TER
(1) EPA 8260B TCL Volatiles (Modified)					
Acetone	<10	ug/l		12/28/07	BD
Acrylonitrile	<20	ug/l		12/28/07	BD
Benzene	<1	ug/l		12/28/07	BD
Bromochloromethane	<1	ug/l		12/28/07	BD
Bromodichloromethane	<1	ug/l		12/28/07	BD

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID:	SW-3	LSL Sample ID:	0721017-028
Location:			
Sampled:	12/18/07 12:15	Sampled By:	EB
Sample Matrix:	NPW		

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA 8260B TCL Volatiles (Modified)					
Bromoform	<1	ug/l		12/28/07	BD
Bromomethane	<1	ug/l		12/28/07	BD
2-Butanone (MEK)	<10	ug/l		12/28/07	BD
Carbon disulfide	<1	ug/l		12/28/07	BD
Carbon tetrachloride	<1	ug/l		12/28/07	BD
Chlorobenzene	<1	ug/l		12/28/07	BD
Chloroethane	<1	ug/l		12/28/07	BD
Chloromethane	<1	ug/l		12/28/07	BD
Chloroform	<1	ug/l		12/28/07	BD
Dibromochloromethane	<1	ug/l		12/28/07	BD
1,2-Dibromo-3-chloropropane	<1	ug/l		12/28/07	BD
1,2-Dibromoethane(EDB)	<1	ug/l		12/28/07	BD
Dibromomethane	<1	ug/l		12/28/07	BD
1,2-Dichlorobenzene	<1	ug/l		12/28/07	BD
1,4-Dichlorobenzene	<1	ug/l		12/28/07	BD
trans-1,4-Dichloro-2-butene	<5	ug/l		12/28/07	BD
1,1-Dichloroethane	<1	ug/l		12/28/07	BD
1,2-Dichloroethane	<1	ug/l		12/28/07	BD
1,1-Dichloroethene	<1	ug/l		12/28/07	BD
cis-1,2-Dichloroethene	<1	ug/l		12/28/07	BD
trans-1,2-Dichloroethene	<1	ug/l		12/28/07	BD
1,2-Dichloropropane	<1	ug/l		12/28/07	BD
cis-1,3-Dichloropropene	<1	ug/l		12/28/07	BD
trans-1,3-Dichloropropene	<1	ug/l		12/28/07	BD
Ethyl benzene	<1	ug/l		12/28/07	BD
2-Hexanone	<10	ug/l		12/28/07	BD
Iodomethane (Methyl iodide)	<5	ug/l		12/28/07	BD
Methylene chloride	<1	ug/l		12/28/07	BD
4-Methyl-2-pentanone (MIBK)	<10	ug/l		12/28/07	BD
Styrene	<1	ug/l		12/28/07	BD
1,1,1,2-Tetrachloroethane	<1	ug/l		12/28/07	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		12/28/07	BD
Tetrachloroethene	<1	ug/l		12/28/07	BD
Toluene	<1	ug/l		12/28/07	BD
1,1,1-Trichloroethane	<1	ug/l		12/28/07	BD
1,1,2-Trichloroethane	<1	ug/l		12/28/07	BD
Trichloroethene	<1	ug/l		12/28/07	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		12/28/07	BD
1,2,3-Trichloropropane	<1	ug/l		12/28/07	BD
Vinyl acetate	<5	ug/l		12/28/07	BD
Vinyl chloride	<1	ug/l		12/28/07	BD
Xylenes (Total)	<1	ug/l		12/28/07	BD
Surrogate (1,2-DCA-d4)	113	%R		12/28/07	BD
Surrogate (Tol-d8)	103	%R		12/28/07	BD
Surrogate (4-BFB)	110	%R		12/28/07	BD

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID:	SW-3	LSL Sample ID:	0721017-028
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Location:

Sampled: 12/18/07 12:15 **Sampled By:** EB

Sample Matrix: NPW

Analytical Method		Prep		Analysis		Analyst
Analyte	Result	Units	Date	Date & Time	Initials	
(1) EPA Method 300.0 A						
Bromide	<0.1*	mg/l		12/20/07 05:32	ANA	
Lab control sample is less than established control limits.						
Chloride	75	mg/l		12/20/07 05:32	ANA	
Nitrate as N	1.1	mg/l		12/20/07 05:32	ANA	
Sulfate	10*	mg/l		12/20/07 05:32	ANA	
Lab control sample is less than established control limits. Result should be considered an estimate - the chromatographic peak was not completely resolved during the analysis.						
(1) Field Parameters						
Static Water Level	N/A					
pH	7.52	Std. Units		12/18/07 12:15	BD	
Specific Conductance	0.452	mS/cm		12/18/07 12:15	BD	
Turbidity	0	NTU		12/18/07 12:15	BD	
Dissolved Oxygen	9.84	mg/L		12/18/07 12:15	BD	
Temperature @ Collection Point	0.2	Degrees C		12/18/07 12:15	BD	
Eh, Redox potential	365	mV		12/18/07 12:15	BD	
(1) HACH 8000 COD						
Chemical Oxygen Demand	18	mg/l		1/7/08	TER	
(1) SM 18 2320B, Alkalinity as CaCO3						
Alkalinity	85	mg/l		12/20/07	MSP	
(1) SM 18 3500C Hexavalent Chromium						
Chromium, Hexavalent	<0.01	mg/l		12/18/07 23:39	KBB	
(1) SM 19 5310C TOC						
Total Organic Carbon	6.3	mg/l		12/20/07	TER	
(1) SM18 2120B, Color						
Apparent Color	30	units		12/20/07 12:54	MSP	
(1) SM-2540C Total Dissolved Solids						
Total Dissolved Solids @ 180 C	280	mg/l		12/20/07	MM	

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: SW-5 LSL Sample ID: 0721017-029

Location:

Sampled: 12/18/07 11:45 Sampled By: EB

Sample Matrix: NPW

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 200.7 Total Hardness as CaCO ₃					
Hardness, Total	150	mg/l	12/20/07	1/21/08	DP
(1) EPA 200.7 Total Metals					
Boron	<0.5	mg/l	12/20/07	1/2/08	DP
Potassium	2.4	mg/l	12/20/07	1/2/08	DP
Sodium	41**	mg/l	12/20/07	1/2/08	DP
Iron	0.35	mg/l	12/20/07	1/2/08	DP
Manganese	0.076	mg/l	12/20/07	1/2/08	DP
Magnesium	11*	mg/l	12/20/07	1/18/08	DP
Lead	<0.01	mg/l	12/20/07	1/2/08	DP
Cadmium	<0.01	mg/l	12/20/07	1/2/08	DP
Aluminum	0.13	mg/l	12/20/07	1/2/08	DP
Calcium	40*	mg/l	12/20/07	1/18/08	DP
Antimony	<0.01	mg/l	12/20/07	1/2/08	DP
Arsenic	0.014	mg/l	12/20/07	1/2/08	DP
Beryllium	<0.01	mg/l	12/20/07	1/2/08	DP
Barium	<0.2	mg/l	12/20/07	1/2/08	DP
Chromium	<0.01	mg/l	12/20/07	1/2/08	DP
Copper	<0.01	mg/l	12/20/07	1/2/08	DP
Nickel	<0.01	mg/l	12/20/07	1/2/08	DP
Selenium	0.077	mg/l	12/20/07	1/2/08	DP
Silver	<0.01**	mg/l	12/20/07	1/2/08	DP
Thallium	<0.01	mg/l	12/20/07	1/2/08	DP
Zinc	0.013	mg/l	12/20/07	1/2/08	DP
Cobalt	<0.01	mg/l	12/20/07	1/2/08	DP
Vanadium	<0.01	mg/l	12/20/07	1/2/08	DP
(1) EPA 245.1 Mercury					
Mercury	<0.0002	mg/l	12/31/07	1/2/08	DP
(1) EPA 335.4 Total Cyanide					
Cyanide, Total	<0.01	mg/l	12/27/07	1/2/08	DRB
(1) EPA 350.2 Ammonia					
Ammonia as N	<0.03	mg/l		1/8/08	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	0.63***	mg/l	1/11/08	1/14/08	DRB
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	<4	mg/l		12/19/07 17:33	MM/TE R
(1) EPA 420.1 Recoverable Phenolics LL					
Phenolics, Total Recoverable	<0.003	mg/l	1/8/08	1/9/08	TER
(1) EPA 8260B TCL Volatiles (Modified)					
Acetone	<10	ug/l		12/28/07	BD
Acrylonitrile	<20	ug/l		12/28/07	BD
Benzene	<1	ug/l		12/28/07	BD
Bromochloromethane	<1	ug/l		12/28/07	BD
Bromodichloromethane	<1	ug/l		12/28/07	BD

-- LABORATORY ANALYSIS REPORT --

C&S Engineers, Inc. N. Syracuse, NY

Sample ID:	SW-5	LSL Sample ID:	0721017-029
Location:			
Sampled:	12/18/07 11:45	Sampled By:	EB
Sample Matrix:	NPW		

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA 8260B TCL Volatiles (Modified)					
Bromoform	<1	ug/l		12/28/07	BD
Bromomethane	<1	ug/l		12/28/07	BD
2-Butanone (MEK)	<10	ug/l		12/28/07	BD
Carbon disulfide	<1	ug/l		12/28/07	BD
Carbon tetrachloride	<1	ug/l		12/28/07	BD
Chlorobenzene	<1	ug/l		12/28/07	BD
Chloroethane	<1	ug/l		12/28/07	BD
Chloromethane	<1	ug/l		12/28/07	BD
Chloroform	<1	ug/l		12/28/07	BD
Dibromochloromethane	<1	ug/l		12/28/07	BD
1,2-Dibromo-3-chloropropane	<1	ug/l		12/28/07	BD
1,2-Dibromoethane(EDB)	<1	ug/l		12/28/07	BD
Dibromomethane	<1	ug/l		12/28/07	BD
1,2-Dichlorobenzene	<1	ug/l		12/28/07	BD
1,4-Dichlorobenzene	<1	ug/l		12/28/07	BD
trans-1,4-Dichloro-2-butene	<5	ug/l		12/28/07	BD
1,1-Dichloroethane	<1	ug/l		12/28/07	BD
1,2-Dichloroethane	<1	ug/l		12/28/07	BD
1,1-Dichloroethene	<1	ug/l		12/28/07	BD
cis-1,2-Dichloroethene	<1	ug/l		12/28/07	BD
trans-1,2-Dichloroethene	<1	ug/l		12/28/07	BD
1,2-Dichloropropane	<1	ug/l		12/28/07	BD
cis-1,3-Dichloropropene	<1	ug/l		12/28/07	BD
trans-1,3-Dichloropropene	<1	ug/l		12/28/07	BD
Ethyl benzene	<1	ug/l		12/28/07	BD
2-Hexanone	<10	ug/l		12/28/07	BD
Iodomethane (Methyl iodide)	<5	ug/l		12/28/07	BD
Methylene chloride	<1	ug/l		12/28/07	BD
4-Methyl-2-pentanone (MIBK)	<10	ug/l		12/28/07	BD
Styrene	<1	ug/l		12/28/07	BD
1,1,1,2-Tetrachloroethane	<1	ug/l		12/28/07	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		12/28/07	BD
Tetrachloroethene	<1	ug/l		12/28/07	BD
Toluene	<1	ug/l		12/28/07	BD
1,1,1-Trichloroethane	<1	ug/l		12/28/07	BD
1,1,2-Trichloroethane	<1	ug/l		12/28/07	BD
Trichloroethene	<1	ug/l		12/28/07	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		12/28/07	BD
1,2,3-Trichloropropane	<1	ug/l		12/28/07	BD
Vinyl acetate	<5	ug/l		12/28/07	BD
Vinyl chloride	<1	ug/l		12/28/07	BD
Xylenes (Total)	<1	ug/l		12/28/07	BD
Surrogate (1,2-DCA-d4)	117	%R		12/28/07	BD
Surrogate (Tol-d8)	103	%R		12/28/07	BD
Surrogate (4-BFB)	111	%R		12/28/07	BD

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID:	SW-5	LSL Sample ID:	0721017-029
Location:			
Sampled:	12/18/07 11:45	Sampled By:	EB
Sample Matrix:	NPW		

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(I) EPA Method 300.0 A					
Bromide	<0.1*	mg/l		12/20/07 06:30	ANA
<i>Lab control sample is less than established control limits.</i>					
Chloride	74	mg/l		12/20/07 06:30	ANA
Nitrate as N	1.1	mg/l		12/20/07 06:30	ANA
Sulfate	7.5*	mg/l		12/20/07 06:30	ANA
<i>Lab control sample is less than established control limits. Result should be considered an estimate - the chromatographic peak was not completely resolved during the analysis.</i>					
(I) Field Parameters					
Static Water Level	N/A				
pH	7.92	Std. Units		12/18/07 11:45	BD
Specific Conductance	0.536	mS/cm		12/18/07 11:45	BD
Turbidity	0	NTU		12/18/07 11:45	BD
Dissolved Oxygen	9.09	mg/L		12/18/07 11:45	BD
Temperature @ Collection Point	0.2	Degrees C		12/18/07 11:45	BD
Eh, Redox potential	233	mV		12/18/07 11:45	BD
(I) HACH 8000 COD					
Chemical Oxygen Demand	18	mg/l		1/7/08	TER
(I) SM 18 2320B, Alkalinity as CaCO3					
Alkalinity	90	mg/l		12/20/07	MSP
(I) SM 18 3500C Hexavalent Chromium					
Chromium, Hexavalent	<0.01	mg/l		12/18/07 23:39	KBB
(I) SM 19 5310C TOC					
Total Organic Carbon	6.4	mg/l		12/20/07	TER
(I) SM18 2120B, Color					
Apparent Color	20	units		12/20/07 12:54	MSP
(I) SM-2540C Total Dissolved Solids					
Total Dissolved Solids @ 180 C	280	mg/l		12/20/07	MM

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID:	SW-8	LSL Sample ID:	0721017-030
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Location:

Sampled:	12/18/07 11:05	Sampled By: EB
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Sample Matrix: NPW

Analytical Method					
Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	150	mg/l	12/20/07	1/21/08	DP
(1) EPA 200.7 Total Metals					
Boron	<0.5	mg/l	12/20/07	1/2/08	DP
Potassium	2.5	mg/l	12/20/07	1/2/08	DP
Sodium	40**	mg/l	12/20/07	1/2/08	DP
Iron	0.34	mg/l	12/20/07	1/2/08	DP
Manganese	0.076	mg/l	12/20/07	1/2/08	DP
Magnesium	12*	mg/l	12/20/07	1/18/08	DP
Lead	<0.01	mg/l	12/20/07	1/2/08	DP
Cadmium	<0.01	mg/l	12/20/07	1/2/08	DP
Aluminum	0.12	mg/l	12/20/07	1/2/08	DP
Calcium	40*	mg/l	12/20/07	1/18/08	DP
Antimony	<0.01	mg/l	12/20/07	1/2/08	DP
Arsenic	0.014	mg/l	12/20/07	1/2/08	DP
Beryllium	<0.01	mg/l	12/20/07	1/2/08	DP
Barium	<0.2	mg/l	12/20/07	1/2/08	DP
Chromium	<0.01	mg/l	12/20/07	1/2/08	DP
Copper	<0.01	mg/l	12/20/07	1/2/08	DP
Nickel	<0.01	mg/l	12/20/07	1/2/08	DP
Selenium	0.079	mg/l	12/20/07	1/2/08	DP
Silver	<0.01**	mg/l	12/20/07	1/2/08	DP
Thallium	<0.01	mg/l	12/20/07	1/2/08	DP
Zinc	0.014	mg/l	12/20/07	1/2/08	DP
Cobalt	<0.01	mg/l	12/20/07	1/2/08	DP
Vanadium	<0.01	mg/l	12/20/07	1/2/08	DP
(1) EPA 245.1 Mercury					
Mercury	<0.0002	mg/l	12/31/07	1/2/08	DP
(1) EPA 335.4 Total Cyanide					
Cyanide, Total	<0.01	mg/l	12/27/07	1/2/08	DRB
(1) EPA 350.2 Ammonia					
Ammonia as N	<0.03	mg/l		1/8/08	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	0.60***	mg/l	1/11/08	1/14/08	DRB
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	<4	mg/l		12/19/07 17:33	MM/TE R
(1) EPA 420.1 Recoverable Phenolics LL					
Phenolics, Total Recoverable	<0.003	mg/l	1/8/08	1/9/08	TER
(1) EPA 8260B TCL Volatiles (Modified)					
Acetone	<10	ug/l		12/28/07	BD
Acrylonitrile	<20	ug/l		12/28/07	BD
Benzene	<1	ug/l		12/28/07	BD
Bromochloromethane	<1	ug/l		12/28/07	BD
Bromodichloromethane	<1	ug/l		12/28/07	BD

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID:	SW-8	LSL Sample ID:	0721017-030
Location:			
Sampled:	12/18/07 11:05	Sampled By:	EB
Sample Matrix:	NPW		

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA 8260B TCL Volatiles (Modified)					
Bromoform	<1	ug/l		12/28/07	BD
Bromomethane	<1	ug/l		12/28/07	BD
2-Butanone (MEK)	<10	ug/l		12/28/07	BD
Carbon disulfide	<1	ug/l		12/28/07	BD
Carbon tetrachloride	<1	ug/l		12/28/07	BD
Chlorobenzene	<1	ug/l		12/28/07	BD
Chloroethane	<1	ug/l		12/28/07	BD
Chloromethane	<1	ug/l		12/28/07	BD
Chloroform	<1	ug/l		12/28/07	BD
Dibromochloromethane	<1	ug/l		12/28/07	BD
1,2-Dibromo-3-chloropropane	<1	ug/l		12/28/07	BD
1,2-Dibromoethane(EDB)	<1	ug/l		12/28/07	BD
Dibromomethane	<1	ug/l		12/28/07	BD
1,2-Dichlorobenzene	<1	ug/l		12/28/07	BD
1,4-Dichlorobenzene	<1	ug/l		12/28/07	BD
trans-1,4-Dichloro-2-butene	<5	ug/l		12/28/07	BD
1,1-Dichloroethane	<1	ug/l		12/28/07	BD
1,2-Dichloroethane	<1	ug/l		12/28/07	BD
1,1-Dichloroethene	<1	ug/l		12/28/07	BD
cis-1,2-Dichloroethene	<1	ug/l		12/28/07	BD
trans-1,2-Dichloroethene	<1	ug/l		12/28/07	BD
1,2-Dichloropropane	<1	ug/l		12/28/07	BD
cis-1,3-Dichloropropene	<1	ug/l		12/28/07	BD
trans-1,3-Dichloropropene	<1	ug/l		12/28/07	BD
Ethyl benzene	<1	ug/l		12/28/07	BD
2-Hexanone	<10	ug/l		12/28/07	BD
Iodomethane (Methyl iodide)	<5	ug/l		12/28/07	BD
Methylene chloride	<1	ug/l		12/28/07	BD
4-Methyl-2-pentanone (MIBK)	<10	ug/l		12/28/07	BD
Styrene	<1	ug/l		12/28/07	BD
1,1,1,2-Tetrachloroethane	<1	ug/l		12/28/07	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		12/28/07	BD
Tetrachloroethene	<1	ug/l		12/28/07	BD
Toluene	<1	ug/l		12/28/07	BD
1,1,1-Trichloroethane	<1	ug/l		12/28/07	BD
1,1,2-Trichloroethane	<1	ug/l		12/28/07	BD
Trichloroethene	<1	ug/l		12/28/07	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		12/28/07	BD
1,2,3-Trichloropropane	<1	ug/l		12/28/07	BD
Vinyl acetate	<5	ug/l		12/28/07	BD
Vinyl chloride	<1	ug/l		12/28/07	BD
Xylenes (Total)	<1	ug/l		12/28/07	BD
Surrogate (1,2-DCA-d4)	114	%R		12/28/07	BD
Surrogate (Tol-d8)	102	%R		12/28/07	BD
Surrogate (4-BFB)	109	%R		12/28/07	BD

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: SW-8 LSL Sample ID: 0721017-030

Location:

Sampled: 12/18/07 11:05 Sampled By: EB

Sample Matrix: NPW

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA Method 300.0 A					
Bromide	<0.1*	mg/l		12/20/07 07:29	ANA
Lab control sample is less than established control limits.					
Chloride	71	mg/l		12/20/07 07:29	ANA
Nitrate as N	1.1	mg/l		12/20/07 07:29	ANA
Sulfate	8.5*	mg/l		12/20/07 07:29	ANA
Lab control sample is less than established control limits. Result should be considered an estimate - the chromatographic peak was not completely resolved during the analysis.					
(1) Field Parameters					
Static Water Level	N/A				
pH	7.75	Std. Units		12/18/07 11:05	BD
Specific Conductance	0.480	mS/cm		12/18/07 11:05	BD
Turbidity	0	NTU		12/18/07 11:05	BD
Dissolved Oxygen	9.01	mg/L		12/18/07 11:05	BD
Temperature @ Collection Point	0.3	Degrees C		12/18/07 11:05	BD
Eh, Redox potential	420	mV		12/18/07 11:05	BD
(1) HACH 8000 COD					
Chemical Oxygen Demand	15	mg/l		1/7/08	TER
(1) SM 18 2320B, Alkalinity as CaCO3					
Alkalinity	85	mg/l		12/20/07	MSP
(1) SM 18 3500C Hexavalent Chromium					
Chromium, Hexavalent	<0.01	mg/l		12/18/07 23:39	KBB
(1) SM 19 5310C TOC					
Total Organic Carbon	6.1	mg/l		12/20/07	TER
(1) SM18 2120B, Color					
Apparent Color	30	units		12/20/07 12:54	MSP
(1) SM-2540C Total Dissolved Solids					
Total Dissolved Solids @ 180 C	270	mg/l		12/20/07	MM

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID:	SW-13		LSL Sample ID:	0721017-031		
Location:						
Sampled:	12/18/07 12:25	Sampled By: EB				
Sample Matrix:	NPW					
Analytical Method			Prep	Analysis	Analyst	
Analyte	Result	Units	Date	Date & Time	Initials	
(I) EPA 200.7 Total Hardness as CaCO3						
Hardness, Total	150	mg/l	12/20/07	1/21/08	DP	
(I) EPA 200.7 Total Metals						
Boron	<0.5	mg/l	12/20/07	1/2/08	DP	
Potassium	2.5	mg/l	12/20/07	1/2/08	DP	
Sodium	41**	mg/l	12/20/07	1/2/08	DP	
Iron	0.37	mg/l	12/20/07	1/2/08	DP	
Manganese	0.076	mg/l	12/20/07	1/2/08	DP	
Magnesium	11*	mg/l	12/20/07	1/18/08	DP	
Lead	<0.01	mg/l	12/20/07	1/2/08	DP	
Cadmium	<0.01	mg/l	12/20/07	1/2/08	DP	
Aluminum	0.15	mg/l	12/20/07	1/2/08	DP	
Calcium	40*	mg/l	12/20/07	1/18/08	DP	
Antimony	<0.01	mg/l	12/20/07	1/2/08	DP	
Arsenic	0.014	mg/l	12/20/07	1/2/08	DP	
Beryllium	<0.01	mg/l	12/20/07	1/2/08	DP	
Barium	<0.2	mg/l	12/20/07	1/2/08	DP	
Chromium	<0.01	mg/l	12/20/07	1/2/08	DP	
Copper	<0.01	mg/l	12/20/07	1/2/08	DP	
Nickel	<0.01	mg/l	12/20/07	1/2/08	DP	
Selenium	0.082	mg/l	12/20/07	1/2/08	DP	
Silver	<0.01**	mg/l	12/20/07	1/2/08	DP	
Thallium	<0.01	mg/l	12/20/07	1/2/08	DP	
Zinc	0.013	mg/l	12/20/07	1/2/08	DP	
Cobalt	<0.01	mg/l	12/20/07	1/2/08	DP	
Vanadium	<0.01	mg/l	12/20/07	1/2/08	DP	
(I) EPA 245.1 Mercury						
Mercury	<0.0002	mg/l	12/31/07	1/2/08	DP	
(I) EPA 335.4 Total Cyanide						
Cyanide, Total	<0.01	mg/l	12/27/07	1/2/08	DRB	
(I) EPA 350.2 Ammonia						
Ammonia as N	0.097	mg/l		1/8/08	DRB	
(I) EPA 351.2 TKN as N						
Total Kjeldahl Nitrogen	0.58***	mg/l	1/11/08	1/14/08	DRB	
A trace amount of this analyte was found in the laboratory preparation blank.						
(I) EPA 405.1 BOD-5						
Biochemical Oxygen Demand, 5 Day	<4	mg/l		12/19/07 17:33	MM/TE R	
(I) EPA 420.1 Recoverable Phenolics LL						
Phenolics, Total Recoverable	<0.003	mg/l	1/8/08	1/9/08	TER	
(I) EPA 8260B TCL Volatiles (Modified)						
Acetone	<10	ug/l		12/28/07	BD	
Acrylonitrile	<20	ug/l		12/28/07	BD	
Benzene	<1	ug/l		12/28/07	BD	
Bromochloromethane	<1	ug/l		12/28/07	BD	

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: SW-13 LSL Sample ID: 0721017-031

Location:

Sampled: 12/18/07 12:25 Sampled By: EB

Sample Matrix: NPW

Analytical Method	Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units	
(1) EPA 8260B TCL Volatiles (Modified)			
Bromodichloromethane	<1	ug/l	BD
Bromoform	<1	ug/l	BD
Bromomethane	<1	ug/l	BD
2-Butanone (MEK)	<10	ug/l	BD
Carbon disulfide	<1	ug/l	BD
Carbon tetrachloride	<1	ug/l	BD
Cblorobenzene	<1	ug/l	BD
Chloroethane	<1	ug/l	BD
Chloromethane	<1	ug/l	BD
Chloroform	<1	ug/l	BD
Dibromochloromethane	<1	ug/l	BD
1,2-Dibromo-3-chloropropane	<1	ug/l	BD
1,2-Dibromoethane(EDB)	<1	ug/l	BD
Dibromomethane	<1	ug/l	BD
1,2-Dichlorobenzene	<1	ug/l	BD
1,4-Dichlorobenzene	<1	ug/l	BD
trans-1,4-Dichloro-2-butene	<5	ug/l	BD
1,1-Dichloroethane	<1	ug/l	BD
1,2-Dichloroethane	<1	og/l	BD
1,1-Dichloroethenc	<1	ug/l	BD
cis-1,2-Dichloroethenc	<1	ug/l	BD
trans-1,2-Dichloroethene	<1	ug/l	BD
1,2-Dichloropropane	<1	ug/l	BD
cis-1,3-Dichloropropene	<1	ug/l	BD
trans-1,3-Dichloropropene	<1	ug/l	BD
Ethyl benzene	<1	ug/l	BD
2-Hexanone	<10	ug/l	BD
Iodomethane (Methyl iodide)	<5	ug/l	BD
Methylene chloride	<1	ug/l	BD
4-Methyl-2-pentanone (MIBK)	<10	ug/l	BD
Styrene	<1	ug/l	BD
1,1,1,2-Tetrachloroethane	<1	ug/l	BD
1,1,2,2-Tetrachloroethane	<1	ug/l	BD
Tetrachloroethene	<1	ug/l	BD
Tolnene	<1	ug/l	BD
1,1,1-Trichloroethane	<1	ug/l	BD
1,1,2-Trichloroethane	<1	ug/l	BD
Trichloroethene	<1	ug/l	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l	BD
1,2,3-Trichloropropane	<1	ug/l	BD
Vinyl acetate	<5	ug/l	BD
Vinyl chloride	<1	ug/l	BD
Xylenes (Total)	<1	ug/l	BD
Surrogate (1,2-DCA-d4)	111	%R	BD
Surrogate (Tol-d8)	104	%R	BD
Surrogate (4-BFB)	110	%R	BD

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: SW-13 LSL Sample ID: 0721017-031

Location:

Sampled: 12/18/07 12:25 Sampled By: EB

Sample Matrix: NPW

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA Method 300.0 A					
Bromide	<0.1*	mg/l		12/20/07 07:49	ANA
Lab control sample is less than established control limits.					
Chloride	78	mg/l		12/20/07 07:49	ANA
Nitrate as N	0.98	mg/l		12/20/07 07:49	ANA
Sulfate	11*	mg/l		12/20/07 07:49	ANA
Lab control sample is less than established control limits. Result should be considered an estimate - the chromatographic peak was not completely resolved during the analysis.					
(1) Field Parameters					
Static Water Level	N/A				
pH	7.18	Std. Units		12/18/07 12:25	BD
Specific Conductance	0.448	ms/cm		12/18/07 12:25	BD
Turbidity	0	NTU		12/18/07 12:25	BD
Dissolved Oxygen	10.12	mg/L		12/18/07 12:25	BD
Temperature @ Collection Point	0.2	Degrees C		12/18/07 12:25	BD
Eh, Redox potential	325	mV		12/18/07 12:25	BD
(1) HACH 8000 COD					
Chemical Oxygen Demand	39	mg/l		12/28/07	TER
(1) SM 18 2320B, Alkalinity as CaCO3					
Alkalinity	85	mg/l		12/20/07	MSP
(1) SM 18 3500C Hexavalent Chromium					
Chromium, Hexavalent	<0.01	mg/l		12/18/07 23:39	KBB
(1) SM 19 5310C TOC					
Total Organic Carbon	6.3	mg/l		12/20/07	TER
(1) SM18 2120B, Color					
Apparent Color	30	units		12/20/07 12:54	MSP
(1) SM-2540C Total Dissolved Solids					
Total Dissolved Solids @ 180 C	270	mg/l		12/20/07	MM

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MH-7 LSL Sample ID: 0721017-032

Location:

Sampled: 12/18/07 11:25 Sampled By: EB

Sample Matrix: NPW

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	860	mg/l	12/20/07	1/21/08	DP
(1) EPA 200.7 Total Metals					
Boron	3.2	mg/l	12/20/07	1/2/08	DP
Potassium	237	mg/l	12/20/07	1/22/08	DP
Sodium	900*	mg/l	12/20/07	1/22/08	DP
Iron	29	mg/l	12/20/07	1/2/08	DP
Manganese	0.51	mg/l	12/20/07	1/2/08	DP
Magnesium	110*	mg/l	12/20/07	1/18/08	DP
Lead	<0.01	mg/l	12/20/07	1/2/08	DP
Cadmium	<0.01	mg/l	12/20/07	1/2/08	DP
Aluminum	0.19	mg/l	12/20/07	1/2/08	DP
Calcium	170*	mg/l	12/20/07	1/18/08	DP
Antimony	<0.01	mg/l	12/20/07	1/2/08	DP
Arsenic	0.059	mg/l	12/20/07	1/2/08	DP
Beryllium	<0.01	mg/l	12/20/07	1/2/08	DP
Barium	0.25	mg/l	12/20/07	1/2/08	DP
Chromium	0.011	mg/l	12/20/07	1/2/08	DP
Copper	<0.01	mg/l	12/20/07	1/2/08	DP
Nickel	0.098	mg/l	12/20/07	1/2/08	DP
Selenium	0.46	mg/l	12/20/07	1/2/08	DP
Silver	<0.01**	mg/l	12/20/07	1/2/08	DP
Thallium	<0.01	mg/l	12/20/07	1/2/08	DP
Zinc	0.021	mg/l	12/20/07	1/2/08	DP
Cobalt	0.019	mg/l	12/20/07	1/2/08	DP
Vanadium	<0.01	mg/l	12/20/07	1/2/08	DP
(1) EPA 245.1 Mercury					
Mercury	<0.0002	mg/l	12/31/07	1/2/08	DP
(1) EPA 335.4 Total Cyanide					
Cyanide, Total	<0.01	mg/l	12/27/07	1/2/08	DRB
(1) EPA 350.2 Ammonia					
Ammonia as N	480	mg/l		1/8/08	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	470	mg/l	1/11/08	1/14/08	DRB
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	50	mg/l		12/19/07 17:33	MM/TE R
(1) EPA 420.1 Recoverable Phenolics LL					
Phenolics, Total Recoverable	0.021*	mg/l	1/8/08	1/9/08	TER
(1) EPA 8260B TCL Volatiles (Modified)					
Acetone	13	ug/l		12/28/07	BD
Acrylonitrile	<20	ug/l		12/28/07	BD
Benzene	7.1	ug/l		12/28/07	BD
Bromochloromethane	<1	ug/l		12/28/07	BD
Bromodichloromethane	<1	ug/l		12/28/07	BD

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID:	MH-7	LSL Sample ID:	0721017-032
Location:			
Sampled:	12/18/07 11:25	Sampled By:	EB
Sample Matrix:	NPW		

Analytical Method			Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units			
(1) EPA 8260B TCL Volatiles (Modified)					
Bromoform	<1	ug/l		12/28/07	BD
Bromomethane	<1	ug/l		12/28/07	BD
2-Butanone (MEK)	<10	ug/l		12/28/07	BD
Carbon disulfide	<1	ug/l		12/28/07	BD
Carbon tetrachloride	<1	ug/l		12/28/07	BD
Chlorobenzene	11	ug/l		12/28/07	BD
Chloroethane	1.4	ug/l		12/28/07	BD
Chloromethane	<1	ug/l		12/28/07	BD
Chloroform	<1	ug/l		12/28/07	BD
Dibromochloromethane	<1	ug/l		12/28/07	BD
1,2-Dibromo-3-chloropropane	<1	ug/l		12/28/07	BD
1,2-Dibromoethane(EDB)	<1	ug/l		12/28/07	BD
Dibromomethane	<1	ug/l		12/28/07	BD
1,2-Dichlorobenzene	<1	ug/l		12/28/07	BD
1,4-Dichlorobenzene	3.3	ug/l		12/28/07	BD
trans-1,4-Dichloro-2-butene	<5	ug/l		12/28/07	BD
1,1-Dichloroethane	<1	ug/l		12/28/07	BD
1,2-Dichloroethane	<1	ug/l		12/28/07	BD
1,1-Dichloroethene	<1	ug/l		12/28/07	BD
cis-1,2-Dichloroethene	<1	ug/l		12/28/07	BD
trans-1,2-Dichloroethene	<1	ug/l		12/28/07	BD
1,2-Dichloropropane	<1	ug/l		12/28/07	BD
cis-1,3-Dichloropropene	<1	ug/l		12/28/07	BD
trans-1,3-Dichloropropene	<1	ug/l		12/28/07	BD
Ethyl benzene	<1	ug/l		12/28/07	BD
2-Hexanone	<10	ug/l		12/28/07	BD
Iodomethane (Methyl iodide)	<5	ug/l		12/28/07	BD
Methylene chloride	<1	ug/l		12/28/07	BD
4-Methyl-2-pentanone (MIBK)	<10	ug/l		12/28/07	BD
Styrene	<1	ug/l		12/28/07	BD
1,1,1,2-Tetrachloroethane	<1	ug/l		12/28/07	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		12/28/07	BD
Tetrachloroethene	<1	ug/l		12/28/07	BD
Toluene	<1	ug/l		12/28/07	BD
1,1,1-Trichloroethane	<1	ug/l		12/28/07	BD
1,1,2-Trichloroethane	<1	ug/l		12/28/07	BD
Trichloroethene	<1	ug/l		12/28/07	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		12/28/07	BD
1,2,3-Trichloropropane	<1	ug/l		12/28/07	BD
Vinyl acetate	<5	ug/l		12/28/07	BD
Vinyl chloride	<1	ug/l		12/28/07	BD
Xylenes (Total)	<1	ug/l		12/28/07	BD
Surrogate (1,2-DCA-d4)	117	%R		12/28/07	BD
Surrogate (Tol-d8)	99	%R		12/28/07	BD
Surrogate (4-BFB)	109	%R		12/28/07	BD

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MH-7 LSL Sample ID: 0721017-032

Location:

Sampled: 12/18/07 11:25 Sampled By: EB

Sample Matrix: NPW

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
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(1) EPA Method 300.0 A

Bromide	19*	mg/l	12/20/07	08:48	ANA
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This result should be considered an estimate because the concentration exceeded the linear range of the instrument. Lab control sample is less than established control limits.

Chloride	1100*	mg/l	12/20/07	08:48	ANA
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Result should be considered an estimate - the analyte concentration exceeded the calibrated range of the instrument.

Nitrate as N	<0.1	mg/l	12/20/07	08:48	ANA
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Sulfate	140*	mg/l	12/20/07	08:48	ANA
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Lab control sample is less than established control limits. Result should be considered an estimate - the chromatographic peak was not completely resolved during the analysis.

(1) Field Parameters

Static Water Level	N/A				
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pH	7.26	Std. Units	12/18/07	11:25	BD
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Specific Conductance	9.10	mS/cm	12/18/07	11:25	BD
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Turbidity	331	NTU	12/18/07	11:25	BD
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Dissolved Oxygen	0.00	mg/L	12/18/07	11:25	BD
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Temperature @ Collection Point	8.9	Degrees C	12/18/07	11:25	BD
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Eh, Redox potential	110	mV	12/18/07	11:25	BD
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(1) HACH 8000 COD

Chemical Oxygen Demand		mg/l	12/28/07		TER
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(1) SM 18 2320B, Alkalinity as CaCO3

Alkalinity	2700	mg/l	12/20/07		MSP
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(1) SM 18 3500C Hexavalent Chromium

Chromium, Hexavalent	<0.01	mg/l	12/18/07	23:39	KBB
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(1) SM 19 5310C TOC

Total Organic Carbon	230	mg/l	12/28/07		TER
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(1) SM18 2120B, Color

Apparent Color	800	units	12/20/07	12:54	MSP
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(1) SM-2540C Total Dissolved Solids

Total Dissolved Solids @ 180 C	3800	mg/l	12/20/07		MM
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- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MH-15 LSL Sample ID: 0721017-033

Location:

Sampled: 12/18/07 10:30 Sampled By: EB

Sample Matrix: NPW

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 200.7 Total Hardness as CaCO ₃					
Hardness, Total	580	mg/l	12/20/07	1/21/08	DP
(1) EPA 200.7 Total Metals					
Boron	0.95	mg/l	12/20/07	1/2/08	DP
Potassium	62	mg/l	12/20/07	1/18/08	DP
Sodium	190**	mg/l	12/20/07	1/18/08	DP
Iron	26	mg/l	12/20/07	1/2/08	DP
Manganese	2.8	mg/l	12/20/07	1/2/08	DP
Magnesium	41*	mg/l	12/20/07	1/18/08	DP
Lead	<0.01	mg/l	12/20/07	1/2/08	DP
Cadmium	<0.01	mg/l	12/20/07	1/2/08	DP
Aluminum	0.28	mg/l	12/20/07	1/2/08	DP
Calcium	160*	mg/l	12/20/07	1/18/08	DP
<i>*As per NELAC regulation disclosure of the following condition is required;The result of a calibration check sample associated with this analysis was greater than the established control limit.</i>					
Antimony	<0.01	mg/l	12/20/07	1/2/08	DP
Arsenic	0.028	mg/l	12/20/07	1/2/08	DP
Beryllium	<0.01	mg/l	12/20/07	1/2/08	DP
Barium	<0.2	mg/l	12/20/07	1/2/08	DP
Chromium	<0.01	mg/l	12/20/07	1/2/08	DP
Copper	<0.01	mg/l	12/20/07	1/2/08	DP
Nickel	0.020	mg/l	12/20/07	1/2/08	DP
Selenium	0.41	mg/l	12/20/07	1/2/08	DP
Silver	<0.01**	mg/l	12/20/07	1/2/08	DP
<i>**As per NELAC regulation disclosure of the following condition is required;The result of a calibration check sample associated with this analysis was less than the established control limit.</i>					
Thallium	<0.01	mg/l	12/20/07	1/2/08	DP
Zinc	0.014	mg/l	12/20/07	1/2/08	DP
Cobalt	<0.01	mg/l	12/20/07	1/2/08	DP
Vanadium	<0.01	mg/l	12/20/07	1/2/08	DP
(1) EPA 245.1 Mercury					
Mercury	<0.0002	mg/l	12/31/07	1/2/08	DP
(1) EPA 335.4 Total Cyanide					
Cyanide, Total	<0.01	mg/l	12/27/07	1/2/08	DRB
(1) EPA 350.2 Ammonia					
Ammonia as N	110	mg/l		1/8/08	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	100	mg/l	1/11/08	1/14/08	DRB
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	39	mg/l		12/19/07 17:33	MM/TE R
(1) EPA 420.1 Recoverable Phenolics LL					
Phenolics, Total Recoverable	<0.003	mg/l	1/8/08	1/9/08	TER
(1) EPA 8260B TCL Volatiles (Modified)					
Acetone	<10	ug/l		12/28/07	BD

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: MH-15 LSL Sample ID: 0721017-033

Location:

Sampled: 12/18/07 10:30 Sampled By: EB

Sample Matrix: NPW

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 8260B TCL Volatiles (Modified)					
Acrylonitrile	<20	ug/l		12/28/07	BD
Benzene	1	ug/l		12/28/07	BD
Bromochloromethane	<1	ug/l		12/28/07	BD
Bromodichloromethane	<1	ug/l		12/28/07	BD
Bromoform	<1	ug/l		12/28/07	BD
Bromomethane	<1	ug/l		12/28/07	BD
2-Butanone (MEK)	<10	ug/l		12/28/07	BD
Carbon disulfide	<1	ug/l		12/28/07	BD
Carbon tetrachloride	<1	ug/l		12/28/07	BD
Chlorobenzene	<1	ug/l		12/28/07	BD
Chloroethane	2.2	ug/l		12/28/07	BD
Chloromethane	<1	ug/l		12/28/07	BD
Chloroform	<1	ug/l		12/28/07	BD
Dibromochloromethane	<1	ug/l		12/28/07	BD
1,2-Dibromo-3-chloropropane	<1	ug/l		12/28/07	BD
1,2-Dibromoethane(EDB)	<1	ug/l		12/28/07	BD
Dibromomethane	<1	ug/l		12/28/07	BD
1,2-Dichlorobenzene	<1	ug/l		12/28/07	BD
1,4-Dichlorobenzene	4.1	ug/l		12/28/07	BD
trans-1,4-Dichloro-2-butene	<5	ug/l		12/28/07	BD
1,1-Dichloroethane	<1	ug/l		12/28/07	BD
1,2-Dichloroethane	<1	ug/l		12/28/07	BD
1,1-Dichloroethene	<1	ug/l		12/28/07	BD
cis-1,2-Dichloroethene	<1	ug/l		12/28/07	BD
trans-1,2-Dichloroethene	<1	ug/l		12/28/07	BD
1,2-Dichloropropane	<1	ug/l		12/28/07	BD
cis-1,3-Dichloropropene	<1	ug/l		12/28/07	BD
trans-1,3-Dichloropropene	<1	ug/l		12/28/07	BD
Ethyl benzene	<1	ug/l		12/28/07	BD
2-Hexanone	<10	ug/l		12/28/07	BD
Iodomethane (Methyl iodide)	<5	ug/l		12/28/07	BD
Methylene chloride	<1	ug/l		12/28/07	BD
4-Methyl-2-pentanone (MIBK)	<10	ug/l		12/28/07	BD
Styrene	<1	ug/l		12/28/07	BD
1,1,1,2-Tetrachloroethane	<1	ug/l		12/28/07	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		12/28/07	BD
Tetrachloroethene	<1	ug/l		12/28/07	BD
Toluene	<1	ug/l		12/28/07	BD
1,1,1-Trichloroethane	<1	ug/l		12/28/07	BD
1,1,2-Trichloroethane	<1	ug/l		12/28/07	BD
Trichloroethene	<1	ug/l		12/28/07	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		12/28/07	BD
1,2,3-Trichloropropane	<1	ug/l		12/28/07	BD
Vinyl acetate	<5	ug/l		12/28/07	BD
Vinyl chloride	<1	ug/l		12/28/07	BD
Xylenes (Total)	<1	ug/l		12/28/07	BD
Surrogate (1,2-DCA-d4)	112	%R		12/28/07	BD

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID:	MH-15	LSL Sample ID:	0721017-033			
Location:						
Sampled:	12/18/07 10:30	Sampled By:	EB			
Sample Matrix:	NPW					
Analytical Method				Prep Date	Analysis Date & Time	Analyst Initials
Analyte	Result	Units				
(1) EPA 8260B TCL Volatiles (Modified)						
Surrogate (Tol-d8)	104	%R			12/28/07	BD
Surrogate (4-BFB)	111	%R			12/28/07	BD
(1) EPA Method 300.0 A						
Bromide	1.7*	mg/l			12/20/07 09:09	ANA
Lab control sample is less than established control limits.						
Chloride	260	mg/l			12/20/07 09:09	ANA
Result should be considered an estimate - the analyte concentration exceeded the calibrated range of the instrument.						
Nitrate as N	0.51	mg/l			12/20/07 09:09	ANA
Sulfate	26*	mg/l			12/20/07 09:09	ANA
Lab control sample is less than established control limits. Result should be considered an estimate - the chromatographic peak was not completely resolved during the analysis.						
(1) Field Parameters						
Static Water Level	N/A					
pH	6.23	Std. Units			12/18/07 10:30	BD
Specific Conductance	2.58	mS/cm			12/18/07 10:30	BD
Turbidity	177	NTU			12/18/07 10:30	BD
Dissolved Oxygen	2.35	mg/L			12/18/07 10:30	BD
Temperature @ Collection Point	9.0	Degrees C			12/18/07 10:30	BD
Eh, Redox potential	505	mV			12/18/07 10:30	BD
(1) HACH 8000 COD						
Chemical Oxygen Demand	190	mg/l			12/28/07	TER
(1) SM 18 2320B, Alkalinity as CaCO3						
Alkalinity	980	mg/l			12/20/07	MSP
(1) SM 18 3500C Hexavalent Chromium						
Chromium, Hexavalent	0.011	mg/l			12/18/07 23:39	KBB
(1) SM 19 5310C TOC						
Total Organic Carbon	64	mg/l			12/28/07	TER
(1) SM18 2120B, Color						
Apparent Color	500	units			12/20/07 12:54	MSP
(1) SM-2540C Total Dissolved Solids						
Total Dissolved Solids @ 180 C	1100	mg/l			12/20/07	MM

- - LABORATORY ANALYSIS REPORT - -

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: Trip Blank LSL Sample ID: 0721017-034

Location:

Sampled: 12/18/07 0:00 Sampled By:

Sample Matrix: TB

Analytical Method	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
Analyte					
(1) EPA 8260B TCL Volatiles (Modified)					
Acetone	<10	ug/l		12/28/07	BD
Acrylonitrile	<20	ug/l		12/28/07	BD
Benzene	<1	ug/l		12/28/07	BD
Bromochloromethane	<1	ug/l		12/28/07	BD
Bromodichloromethane	<1	ug/l		12/28/07	BD
Bromoform	<1	ug/l		12/28/07	BD
Bromomethane	<1	ug/l		12/28/07	BD
2-Butanone (MEK)	<10	ug/l		12/28/07	BD
Carbon disulfide	<1	ug/l		12/28/07	BD
Carbon tetrachloride	<1	ug/l		12/28/07	BD
Chlorobenzene	<1	ug/l		12/28/07	BD
Chloroethane	<1	ug/l		12/28/07	BD
Chloromethane	<1	ug/l		12/28/07	BD
Chloroform	<1	ug/l		12/28/07	BD
Dibromochloromethane	<1	ug/l		12/28/07	BD
1,2-Dibromo-3-chloropropane	<1	ug/l		12/28/07	BD
1,2-Dibromoethane(EDB)	<1	ug/l		12/28/07	BD
Dibromomethane	<1	ug/l		12/28/07	BD
1,2-Dichlorobenzene	<1	ug/l		12/28/07	BD
1,4-Dichlorobenzene	<1	ug/l		12/28/07	BD
trans-1,4-Dichloro-2-butene	<5	ug/l		12/28/07	BD
1,1-Dichloroethane	<1	ug/l		12/28/07	BD
1,2-Dichloroethane	<1	ug/l		12/28/07	BD
1,1-Dichloroethene	<1	ug/l		12/28/07	BD
cis-1,2-Dichloroethene	<1	ug/l		12/28/07	BD
trans-1,2-Dichloroethene	<1	ug/l		12/28/07	BD
1,2-Dichloropropane	<1	ug/l		12/28/07	BD
cis-1,3-Dichloropropene	<1	ug/l		12/28/07	BD
trans-1,3-Dichloropropene	<1	ug/l		12/28/07	BD
Ethyl benzene	<1	ug/l		12/28/07	BD
2-Hexanone	<10	ug/l		12/28/07	BD
Iodomethane (Methyl iodide)	<5	ug/l		12/28/07	BD
Methylene chloride	<1	ug/l		12/28/07	BD
4-Methyl-2-pentanone (MIBK)	<10	ug/l		12/28/07	BD
Styrene	<1	ug/l		12/28/07	BD
1,1,1,2-Tetrachloroethane	<1	ug/l		12/28/07	BD
1,1,2,2-Tetrachloroethane	<1	ug/l		12/28/07	BD
Tetrachloroethene	<1	ug/l		12/28/07	BD
Toluene	<1	ug/l		12/28/07	BD
1,1,1-Trichloroethane	<1	ug/l		12/28/07	BD
1,1,2-Trichloroethane	<1	ug/l		12/28/07	BD
Trichloroethene	<1	ug/l		12/28/07	BD
Trichlorofluoromethane (Freon 11)	<1	ug/l		12/28/07	BD
1,2,3-Trichloropropane	<1	ug/l		12/28/07	BD
Vinyl acetate	<5	ug/l		12/28/07	BD
Vinyl chloride	<1	ug/l		12/28/07	BD
Xylenes (Total)	<1	ug/l		12/28/07	BD

-- LABORATORY ANALYSIS REPORT --

C&S Engineers, Inc. N. Syracuse, NY

Sample ID: Trip Blank LSL Sample ID: 0721017-034

Location:

Sampled: 12/18/07 0:00 Sampled By:

Sample Matrix: TB

Analytical Method			Prep	Analysis	Analyst
Analyte	Result	Units	Date	Date & Time	Initials
(1) EPA 8260B TCL Volatiles (Modified)					
Surrogate (1,2-DCA-d4)	115	%R		12/28/07	BD
Surrogate (Tol-d8)	103	%R		12/28/07	BD
Surrogate (4-BFB)	108	%R		12/28/07	BD

SURROGATE RECOVERY CONTROL LIMITS FOR ORGANIC METHODS

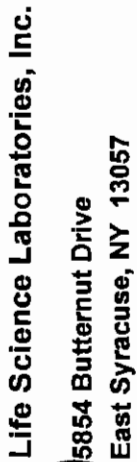
<u>Method</u>	<u>Surrogate(s)</u>	<u>Water Limits, %R</u>	<u>SHW Limits, %R</u>
EPA 504	TCMX	80-120	NA
EPA 508	DCB	70-130	NA
EPA 515.4	DCAA	70-130	NA
EPA 524.2	1,2-DCA-d4, 4-BFB	80-120	NA
EPA 525.2	1,3-DM-2-NB, TPP, Per-d12	70-130	NA
EPA 526	1,3-DM-2-NB, TPP	70-130	NA
EPA 528	2-CP-3,4,5,6-d4, 2,4,6-TBP	70-130	NA
EPA 551.1	Decafluorobiphenyl	80-120	NA
EPA 552.2	2,3-DBPA	70-130	NA
EPA 601	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	NA
EPA 602	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	NA
EPA 608	TCMX, DCB	30-150	NA
EPA 624	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	NA
EPA 625, AE	2-Fluorophenol	21-110	NA
EPA 625, AE	Phenol-d5	10-110	NA
EPA 625, AE	2,4,6-Tribromophenol	10-123	NA
EPA 625, BN	Nitrobenzene-d5	35-114	NA
EPA 625, BN	2-Fluorobiphenyl	43-116	NA
EPA 625, BN	Terphenyl-d14	33-141	NA
EPA 8010	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8020	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8021	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8081	TCMX, DCB	30-150	30-150
EPA 8082	DCB	30-150	30-150
EPA 8151	DCAA	30-130	30-120
EPA 8260	1,2-DCA-d4, Tol-d8, 4-BFB	70-130	70-130
EPA 8270, AE	2-Fluorophenol	21-110	25-121
EPA 8270, AE	Phenol-d5	10-110	24-113
EPA 8270, AE	2,4,6-Tribromophenol	10-123	19-122
EPA 8270, BN	Nitrobenzene-d5	35-114	23-120
EPA 8270, BN	2-Fluorobiphenyl	43-116	30-115
EPA 8270, BN	Terphenyl-d14	33-141	18-137
DOH 310-13	Terphenyl-d14	40-110	40-110
DOH 310-14	Terphenyl-d14	40-110	40-110
DOH 310-15	Terphenyl-d14	40-110	40-110
DOH 310-34	4-BFB	50-150	50-150
DOH 313-4	DCB	NA	30-150
8015M_GRO	4-BFB	50-150	50-150
8015M_DRO	Terphenyl-d14	50-150	50-150

Units Key:

- ug/l = microgram per liter
- ug/kg = microgram per kilogram
- mg/l = milligram per liter
- mg/kg = milligram per kilogram
- %R = Percent Recovery

APPENDIX B

**CHAIN-OF-CUSTODY SHEETS / GROUNDWATER SAMPLING FIELD
LOG SHEETS**



C+S Eng
0727071

Phone # (315) 445-1105		Telefax # (315) 445-1301		Contact Person:		LSL Project #:																	
Client: C & S Engineers		Phone # 455-2000		Christen Craig (x-4341)		Client's Site I.D.:																	
Address: 499 Col. Eileen Collins Blvd.		Telefax # 455-9667		Numbers at top of columns cross reference with numbers and analyses at right.		ORANGE CO. LANDFILL																	
N.Syracuse, NY 13212																							
Notes and Hazard Identifications:		Authorization:		Client's Project I.D.:										Preserv. Check									
LSL Sample Number	Client's Sample Identifications	Sample Date	Sample Time	Matrix	1	2	3	4	5	6	7	8	9	10	Preserv. Added	size/type	#	Analyses	Preserv. Check				
001 A-K	MW-245-S	12/18/07	1215	GW	X	X	X	X	X	X	X	X	X	X	H2SO4	500 ml	1	TKN, NH3, COD					
002 A-J	MW-245-D		1155		X	X	X	X	X	X	X	X	X	X	H2SO4	40 ml	2	TOC					
003 A-K	MW-220		1230		X	X	X	X	X	X	X	X	X	X	None	1/2 gal	3	NO3, BOD, TDS, SO4, Chlor, Color, Cr+6, Br					
004 A-K	MW-221-S		1345		X	X	X	X	X	X	X	X	X	X	H2SO4	Liter(g)	4	T, Phenols					
005 A-J	MW-221-D		1255		X	X	X	X	X	X	X	X	X	X	HNO3	250 ml	5	Hard, B, K, Na, Fe, Mn, Mg, Pb, Cd, Al, Ca, Sb, As, Be,					
006 ↓	MW-222		1315		X	X	X	X	X	X	X	X	X	X				Ba, Cr, Cu, Hg, Ni, Se, Ag, Ti, Zn, Co, V					
007 ↓	MW-3B		1340		X	X	X	X	X	X	X	X	X	X	Aac/NaOH	250 ml	6	Cn					
	PZ-4				X	X	X	X	X	X	X	X	X	X	None	250 ml	7	Alkalinity					
	PZ-1A				X	X	X	X	X	X	X	X	X	X	HCL	40 ml	8	8260					
	PZ-11				X	X	X	X	X	X	X	X	X	X	-	-	9	Field Parameters					
	MW-223-S				X	X	X	X	X	X	X	X	X	X									
	MW-223-D				X	X	X	X	X	X	X	X	X	X	HNO3	250 ml	10	Dis. Metals					
	MW-207SA				X	X	X	X	X	X	X	X	X	X									
	MW-207-D				X	X	X	X	X	X	X	X	X	X									
	MW-303-S				X	X	X	X	X	X	X	X	X	X									
	MW-303-D				X	X	X	X	X	X	X	X	X	X									
															HCL	40 ml		Trip Blank					
Custody Transfers																				Date	Time		
Sampled By: [Signature]																				12/18/07	1340		
Relinquished By: [Signature]																							
Relinquished By: [Signature]																							
Received for Lab By: [Signature]																							
Shipment Method:																				Y	N	4-5-08	0214

Life Science Laboratories, Inc.

LSL

5854 Butternut Drive
East Syracuse, NY 13057

Phone # (315) 445-1105 Telefax # (315) 445-1301

Client: C & S Engineers Phone # 455-2000

Address: 499 Col. Eileen Collins Blvd. Telefax # 455-9667

N.Syracuse, NY 13212

Contact Person:

Christen Craig (x-4341)

LSL Project #:

Client's Site I.D.:

ORANGE CO. LANDFILL

Authorization:

Numbers at top of columns cross reference with numbers and analyses at right.

Client's Project I.D.:

LSL Sample Number	Client's Sample Identifications	Sample Date	Sample Time	Matrix	1	2	3	4	5	6	7	8	9	10	Preserv. Added	size/type #	Analyses	Preserv. Check
	MW-245-S			GW	X	X	X	X	X	X	X	X	X	X	H ₂ SO ₄	500 ml	TKN, NH ₃ , COD	
	MW-245-D				X	X	X	X	X	X	X	X	X	X	H ₂ SO ₄	40 ml	TOC	
	MW-220				X	X	X	X	X	X	X	X	X	X	None	1/2 gal	NO ₃ , BOD, TDS, SO ₄ , Chlor, Color, Cr+6, Br	
	MW-221-S				X	X	X	X	X	X	X	X	X	X	H ₂ SO ₄	Liter(g)	T, Phenols	
	MW-221-D				X	X	X	X	X	X	X	X	X	X	HNO ₃	250 ml	Hard, B, K, Na, Fe, Mn, Mg, Pb, Cd, Al, Ca, Sb, As, Be, Ba, Cr, Cu, Hg, Ni, Se, Ag, Ti, Zn, Co, V	
	MW-222				X	X	X	X	X	X	X	X	X	X			Cn	
	MW-3B				X	X	X	X	X	X	X	X	X	X	AscNaOH	250 ml	Alkalinity	
	PZ-4				X	X	X	X	X	X	X	X	X	X	None	250 ml	8260	
007 A-J	PZ-1A	12/19/07	0855		X	X	X	X	X	X	X	X	X	X	HCL	40 ml	Field Parameters	
010 ↓	PZ-11		0910		X	X	X	X	X	X	X	X	X	X				
011 A-K	MW-223-S		0930		X	X	X	X	X	X	X	X	X	X				
012 A-J	MW-223-D		0940		X	X	X	X	X	X	X	X	X	X	HNO ₃	250 ml	Dis. Metals	
013 A-K	MW-207SA		1005		X	X	X	X	X	X	X	X	X	X				
014 ↓	MW-207-D		1015		X	X	X	X	X	X	X	X	X	X				
015 A-J	MW-303-S		1030		X	X	X	X	X	X	X	X	X	X				
016 ↓	MW-303-D		1040		X	X	X	X	X	X	X	X	X	X				
															HCL	40 ml	Trip Blank	

Notes and Hazard Identifications:

Custody Transfers

Sampled By:

Relinquished By:

Date

Time

BASELINE (new - 93)

Received for Lab By:

Received for Lab By:

Date

Time

Shipment Method:

Samples Received Intact: Y N 3.1 on Ice

Life Science Laboratories, Inc.

LSL

5854 Butternut Drive
East Syracuse, NY 13057

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Client: C & S Engineers

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N.Syracuse, NY 13212

0721017
C+S Eng

LSL Project #:

Contact Person:

Christen Craig (x-4341)

Client's Site I.D.:

ORANGE CO. LANDFILL

Numbers at top of columns cross reference with numbers and analyses at right.

Authorization:

Client's Project I.D.:

LSL Sample Number	Client's Sample Identifications	Sample Date	Sample Time	Matrix	1	2	3	4	5	6	7	8	9	10	Preserv. Added	size/type #	Analyses	Preserv. Check
017 A-J	MW-304-VS	12/18/07	1225	GW	X	X	X	X	X	X	X	X	X	X	H2SO4	500 ml	TKN, NH3, COD	
018 A-K	MW-304-S		1100		X	X	X	X	X	X	X	X	X	X	H2SO4	40 ml	TOC	
019 J	MW-304-D		1035		X	X	X	X	X	X	X	X	X	X	None	1/2 gal	NO3, BOD, TDS, SO4, Chlor, Color, Cr+6, Br	
020 J	MW-312-S		1120		X	X	X	X	X	X	X	X	X	X	H2SO4	Liter(g)	T, Phenols	
021 A-J	MW-234-S		0915		X	X	X	X	X	X	X	X	X	X	HNO3	250 ml	Hard, B, K, Na, Fe, Mn, Mg, Pb, Cd, Al, Ca, Sb, As, Be,	
022 J	MW-234-D		0925		X	X	X	X	X	X	X	X	X	X			Ba, Cr, Cu, Hg, Ni, Se, Ag, Ti, Zn, Co, V	
023 J	MW-233-S		0935		X	X	X	X	X	X	X	X	X	X	Asc/NaOH	250 ml	Cn	
024 A-K	(MW-232-S)		1000		X	X	X	X	X	X	X	X	X	X	None	250 ml	Alkalinity	
025 J	MW-230-S		1350		X	X	X	X	X	X	X	X	X	X	HCL	40 ml	8260	
026 A-J	MW-230-D		1400		X	X	X	X	X	X	X	X	X	X	-	-	Field Parameters	
027 A-J	MW-234-S (DUP)	✓	1405		X	X	X	X	X	X	X	X	X	X	HNO3	250 ml	Dis. Metals	
34 AB															HCL	40 ml	Trip Blank	

Notes and Hazard identifications:

Custody Transfers

Sampled By:	Relinquished By:	Relinquished By:	Received for Lab By:	Date	Time
				12/18/07	1405
BASELINE (new - 93)					
Shipment Method:			Samples Received Intact: Y N 4.2 on 1/4		

FIELD DATA SHEET

Life Science Laboratories
5854 Butternut Drive
East Syracuse, N.Y. 13507
(315) 445-1105

Client Name: **C & S Engineers**

Site Name: **Orange Co. LF**

Well Casing Volume

1 1/4"=0.077 1 1/2"=0.10 2"=0.16
2 1/2"=0.24 3"=0.37 3.5"=0.50
4"=0.65 6"=1.46

Samplers: **E. BIRDSON**

B. DONALDSON

T. FORD G. SMITH

Date	12-17-07	12-18-07					
Well I.D.	PZ-4	PZ-1A	PZ-11	MW-223-S	MW-223-D	MW-207-SA	MW-207-D
Diameter (inches)	2"	2"	1"	2"	2"	2"	2"
TSD (feet)		80.07	30.05	67.60	87.30	24.89	61.48
SWL (feet)		13.23	18.22	17.16	17.45	18.10	19.22
H2O Column (feet)		66.84	11.83	50.44	69.85	6.79	42.26
Conversion	0.16	0.16	0.077	0.16	0.16	0.16	0.16
Well Volume (gal)		10.6	0.9	8.0	11.1	1.0	6.7
Amt. to Evacuate (gal)		32.0	2.7	24.2	33.5	3.2	20.2
Amt. Evacuated (gal)		32	3	24	34	3	20

FIELD READINGS

Date		12-19-07					
Time		0855	0910	0930	0940	1005	1015
pH (Std. Units)		5.90	6.32	6.72	6.85	6.44	6.74
Cond. (mS/cm)		0.761	1.26	1.06	1.06	0.820	0.665
Turbidity (NTU)		48	23	238	3	406	410
D.O. (mg/L)		2.11	1.12	0.49	1.04	0.38	2.75
Temp. (Degrees C)		9.4	11.4	9.8	10.2	10.8	11.2
Eh (mV)		543	230	254	310	125	216
Appearance		C	C	ST	C	ST	ST
Comments	WELL CASING & PVC BENT BAILER WILL NOT SLIDE DOWN WELL						

TSD = Total Sounded Depth

C = Clear

T = Turbid

SWL = Static Water Level

ST = Semi turbid

VT = Very Turbid

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Client Name: C & S Engineers

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2 1/2"=0.24 3"=0.37 3.5"=0.50
4"=0.65 6"=1.46

Samplers: E. BIRDSONG

B. DONALDSON

P. PORZELLE G. SMITH

Date	12/18/07	→	12/17/07	→	12/17/07	→	
Well I.D.	MW-303-S	MW-303-D	MW-304-VS	MW-304-S	MW-304-D	MW-312-S	MW-234-S
Diameter (inches)	2"	2"	2"	2"	2"	2"	2"
TSD (feet)	26.59	74.42	10.09	32.52	62.11	26.30	41.86
SWL (feet)	18.90	18.95	6.00	26.30	24.95	17.58	14.05
H2O Column (feet)	7.89	55.47	4.09	6.22	37.16	8.72	27.81
Conversion	0.16	0.16	0.16	0.16	0.16	0.16	0.16
Well Volume (gal)	1.2	8.8	0.6	0.9	5.9	1.3	4.4
Amt. to Evacuate (gal)	3.7	26.6	1.9	2.9	17.8	4.1	13.3
Amt. Evacuated (gal)	4	27	2	3	17.14	4	

FIELD READINGS

Date	12/19/07	→	12/18/07	→	→	→	→
Time	1030	1040	1025	1100	1035	1120	0915
pH (Std. Units)	6.45	7.32	6.69	6.66	6.68	7.41	6.51
Cond. (mS/cm)	0.854	1.15	2.41	0.95	0.970	0.356	0.580
Turbidity (NTU)	24	7	8	244	195	600	10
D.O. (mg/L)	0.59	2.61	2.43	1.34	1.01	7.54	0.94
Temp. (Degrees C)	11.1	10.3	6.5	10.5	9.2	10.3	9.7
Eh (mV)	95	223	285	80	110	220	240
Appearance	C	C	C	ST	ST	T	C
Comments							

TSD = Total Sounded Depth
SWL = Static Water Level

C = Clear
ST = Semi turbid

T = Turbid
VT = Very Turbid

FIELD DATA SHEET

Life Science Laboratories
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Client Name: **C & S Engineers**

Site Name: **Orange Co. LF**

Well Casing Volume

1 1/4"=0.077 1 1/2"=0.10 2"=0.16
2 1/2"=0.24 3"=0.37 3.5"=0.50
4"=0.65 6"=1.46

Samplers: **E. B. REDSLOW**

B. DONALDSON

P. PUZZO G. SMITH

Date	12-18-07			12-18-07		
Well I.D.	MW-234-D	MW-233-S	MW-232-S	MW-230-S	MW-230-D	DUP
Diameter (inches)	2"	2"	2"	2"	2"	MW-234-S
TSD (feet)	86.47	19.83	26.18	64.35	124.18	
SWL (feet)	18.60	12.45	14.02	12.55	12.35	
H2O Column (feet)	67.87	7.35	12.16	51.80	111.83	
Conversion	0.16	0.16	0.16	0.16	0.16	
Well Volume (gal)	10.8	1.1	1.9	8.2	17.8	
Amt. to Evacuate (gal)	32.5	3.5	5.8	24.8	53.6	
Amt. Evacuated (gal)						

FIELD READINGS

Date	12-18-07					
Time	0925	0935	1000	1350	1400	1405
pH (Std. Units)	6.75	6.71	6.88	7.28	7.41	7.10
Cond. (mS/cm)	0.628	0.980	0.515	0.436	0.236	0.236
Turbidity (NTU)	3	12	312	2999	0	8
D.O. (mg/L)	1.82	2.64	1.94	0.15	2.34	2.24
Temp. (Degrees C)	10.0	9.8	10.1	10.4	10.3	9.5
Eh (mV)	225	255	195	340	295	275
Appearance	C	C	T	VT	C	C
Comments						

TSD = Total Sounded Depth
SWL = Static Water Level

C = Clear
ST = Semi turbid

T = Turbid
VT = Very Turbid

FIELD DATA SHEET

Life Science Laboratories
5854 Butternut Drive
East Syracuse, N.Y. 13507
(315) 445-1105

Client Name: **C & S Engineers**

Site Name: **Orange Co. LF**

Well Casing Volume			
1 1/4"=0.077	1 1/2"=0.10	2"=0.16	
2 1/2"=0.24	3"=0.37	3.5"=0.50	
4"=0.65		6"=1.46	

Samplers: E. BIRDSONG
B. DONALDSON
P. DEBILLO G. SMITH

Date	12-18-07						
Well I.D.	SW-3	SW-5	SW-8	SW-13		MH-7	MH-15
Diameter (inches)							
TSD (feet)							
SWL (feet)							
H2O Column (feet)							
Conversion							
Well Volume (gal)							
Amt. to Evacuate (gal)							
Amt. Evacuated (gal)							

FIELD READINGS

Date	12-18-07						
Time	1215	1145	1105	1225		1125	1030
pH (Std. Units)	7.52	7.92	7.75	7.18		7.26	6.23
Cond. (mS/cm)	0.452	0.536	0.480	0.448		9.10	2.58
Turbidity (NTU)	0	0	0	0		331	177
D.O. (mg/L)	9.84	9.09	9.01	10.12		0.00	2.35
Temp. (Degrees C)	0.2	0.2	0.3	0.2		8.9	9.0
Eh (mV)	365	233	420	325		110	505
Appearance	C	C	C	C		ST	ST
Comments							

TSD = Total Sounded Depth
 SWL = Static Water Level

C = Clear
 ST = Semi turbid

T = Turbid
 VT = Very Turbid

FIELD DATA SHEET

Life Science Laboratories
5854 Butternut Drive
East Syracuse, N.Y. 13507
(315) 445-1105

Client Name: C & S Engineers

Site Name: Orange Co. LF

Well Casing Volume			
1 1/4"=0.077	1 1/2"=0.10	2"=0.16	
2 1/2"=0.24	3"=0.37	3.5"=0.50	
4"=0.65		6"=1.46	

Samplers: E-BIRDSON

B. DONALDSON

P. PORILLO G. SMITH

Date	12-17-07						
Well I.D.	MW-245-S	MW-245-D	MW-220	MW-221-S	MW-221-D	MW-222	MW-3B
Diameter (inches)	2"	2"	2"	2"	2"	2"	2"
TSD (feet)	46.80	80.43	30.95	27.00	56.80	26.30	52.66
SWL (feet)	30.50	31.21	18.34	15.76	17.20	19.35	26.31
H2O Column (feet)	16.30	49.22	12.61	11.24	39.60	6.95	26.35
Conversion	0.16	0.16	0.16	0.16	0.16	0.16	0.16
Well Volume (gal)	2.6	7.8	2.0	1.7	6.3	1.1	4.2
Amt. to Evacuate (gal)	7.8	23.6	6.0	5.3	19.0	3.3	12.6
Amt. Evacuated (gal)	8	DRY-13	6	5	DRY-10	3	13

FIELD READINGS

Date	12-18-07						
Time	1215	1155	1230	1305	1255	1315	1340
pH (Std. Units)	6.95	7.12	6.54	6.63	7.71	6.47	6.87
Cond. (mS/cm)	0.97	0.785	1.21	0.91	0.398	2.00	1.15
Turbidity (NTU)	259	13	108	398	11	13	3
D.O. (mg/L)	1.89	5.63	2.21	2.38	2.84	1.52	1.41
Temp. (Degrees C)	9.1	9.3	11.1	11.6	11.1	11.1	11.8
Eh (mV)	170	155	220	280	280	35	100
Appearance	T	C	ST	T	C	C	C
Comments							

TSD = Total Sounded Depth
SWL = Static Water Level

C = Clear
ST = Semi turbid

T = Turbid
VT = Very Turbid

APPENDIX C

GROUNDWATER CONTOUR MAP

100

100

100

100

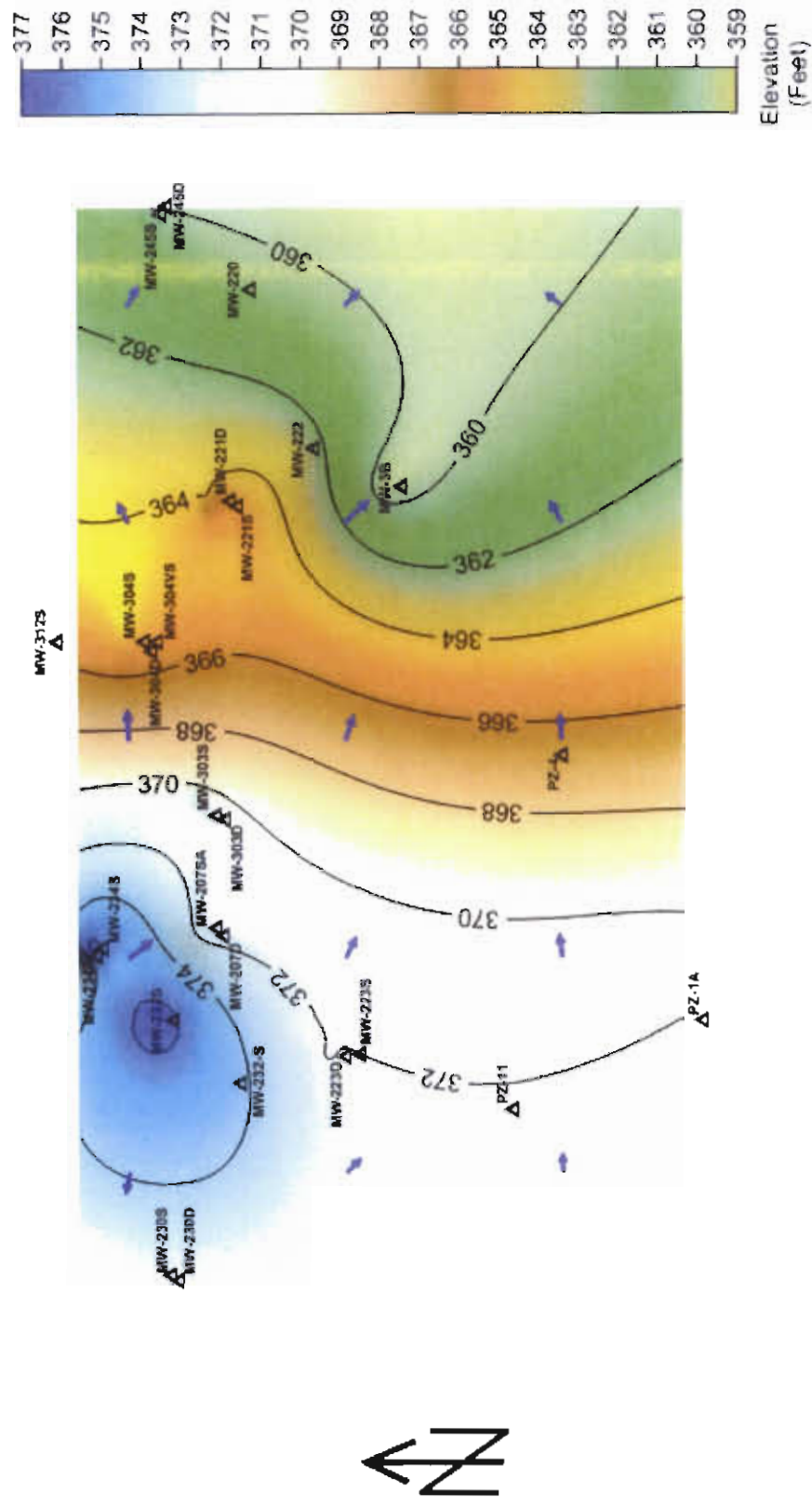
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100

100

Orange County Landfill Goshen, New York

Groundwater Contour Map December 2007



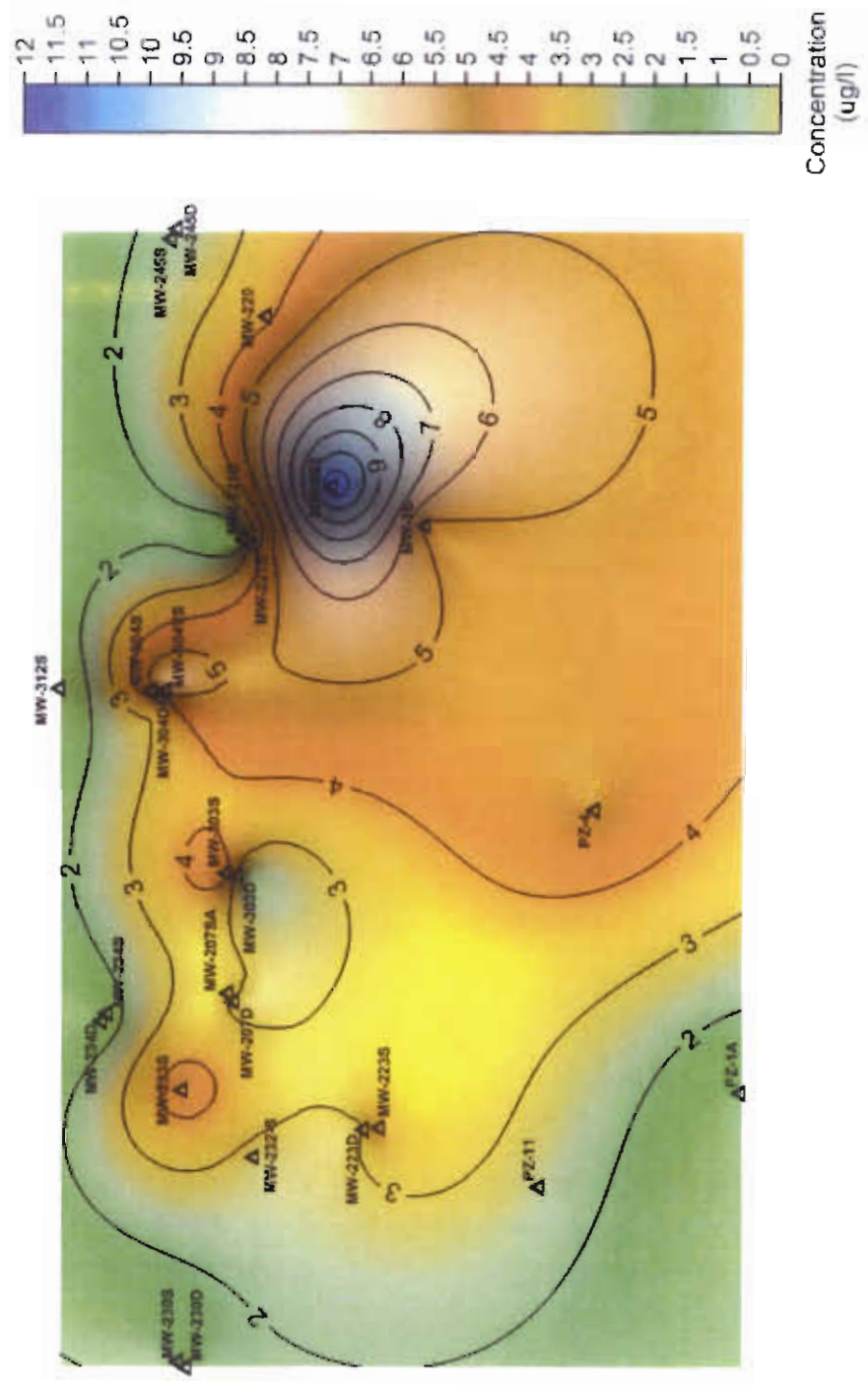
Note: MW-304VS groundwater elevation data not included

APPENDIX D

ISOPLETH CONCENTRATION MAPS

Orange County Landfill Goshen, New York

TOC Isopleth Map December 2007

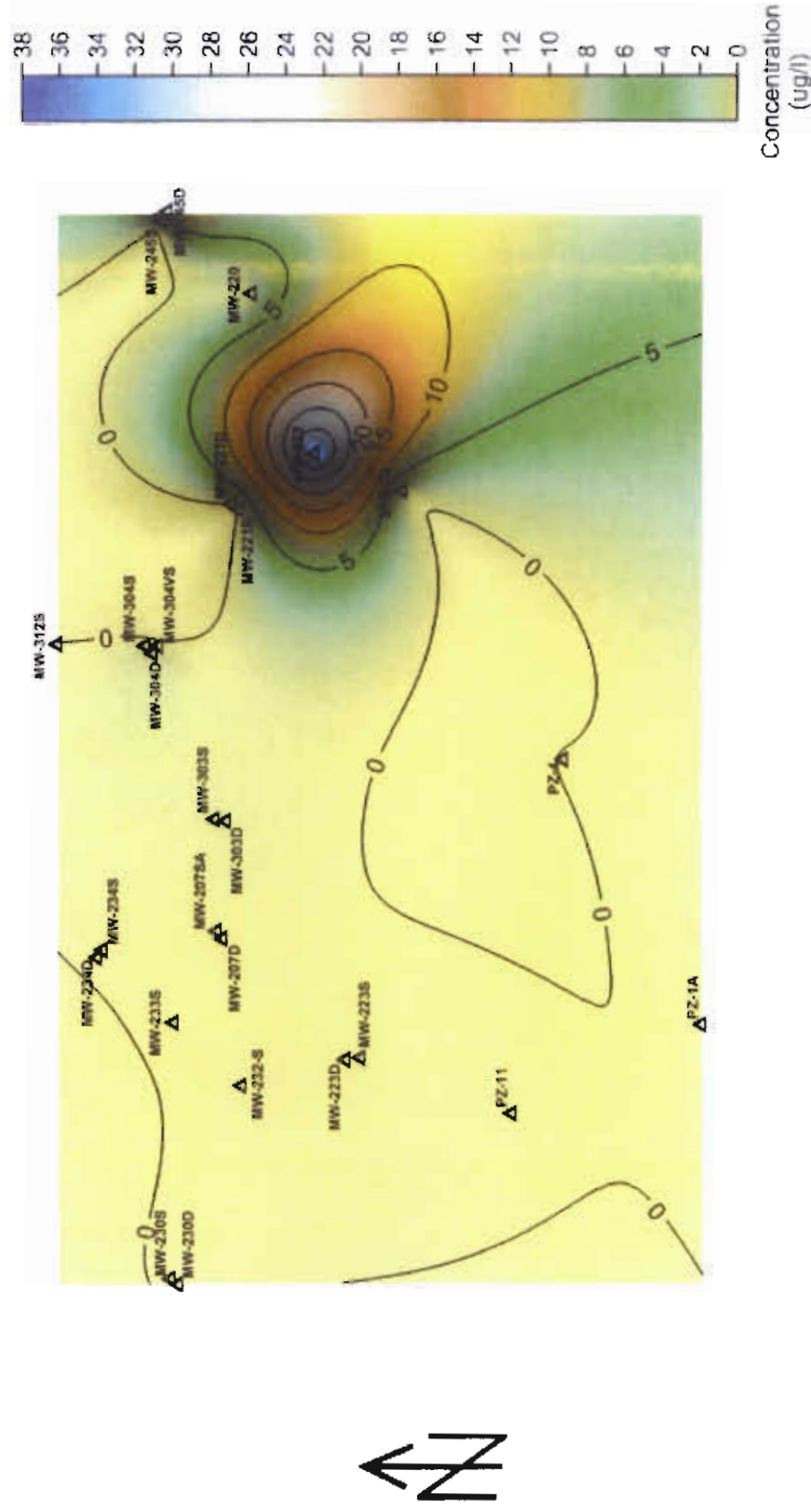


Note: Values reported as less than method detection limits are inputted equal to method detection limits

Note: Values reported as less than method detection limits are inputted equal to method detection limits

Orange County Landfill Goshen, New York

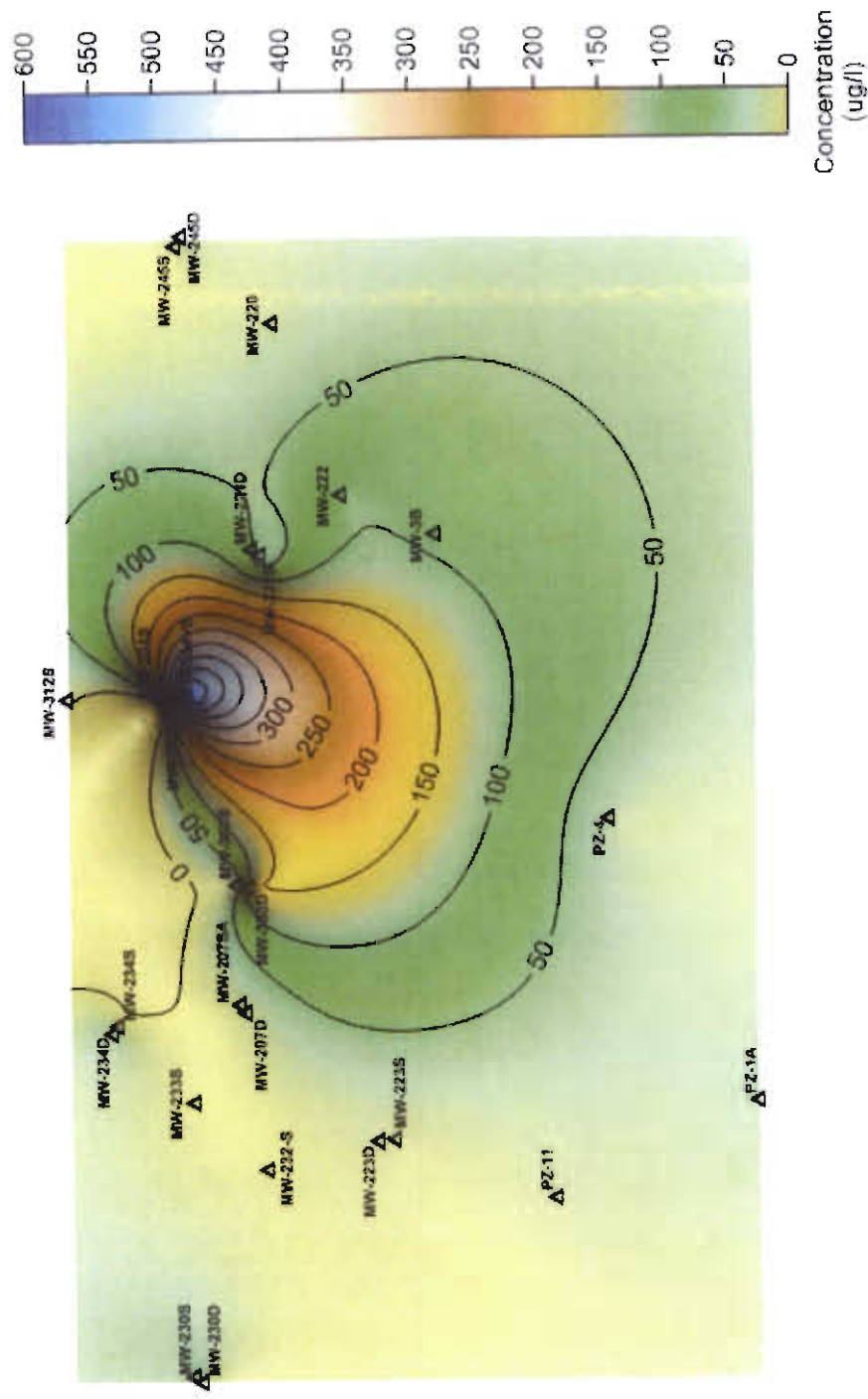
Ammonia Isopleth Map December 2007



Note: Values reported as less than method detection limits are inputted equal to method detection limits

Orange County Landfill Goshen, New York

Chloride Isopleth Map December 2007



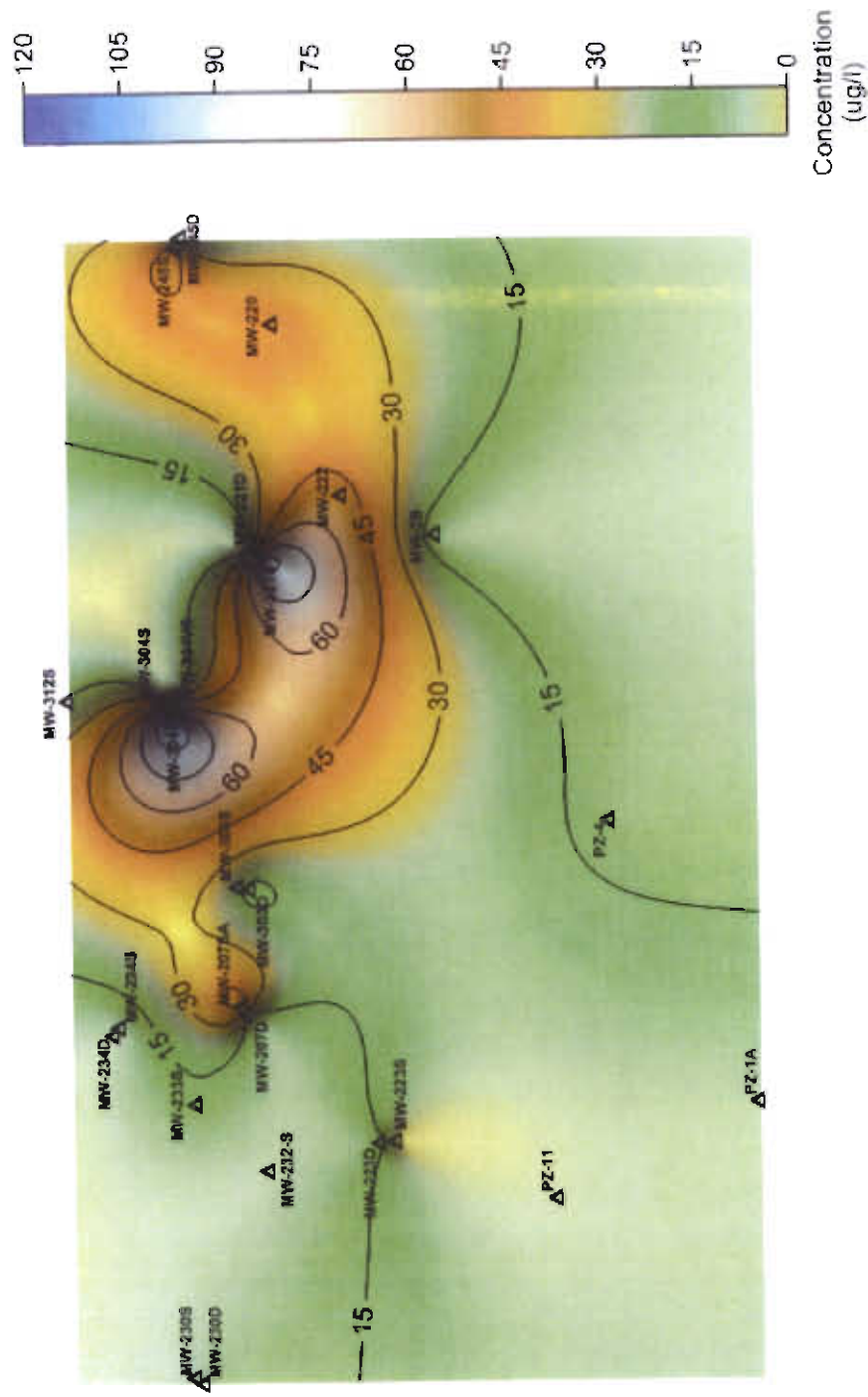
450 ~~~~~ Concentration Contour Line

Δ MW-304VS Monitoring Well Location

Note: Values reported as less than method detection limits are inputted equal to method detection limits

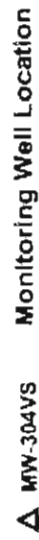
Orange County Landfill Goshen, New York

COD Isopleth Map
December 2007



Note: Values reported as less than method detection limits are inputted equal to method detection limits

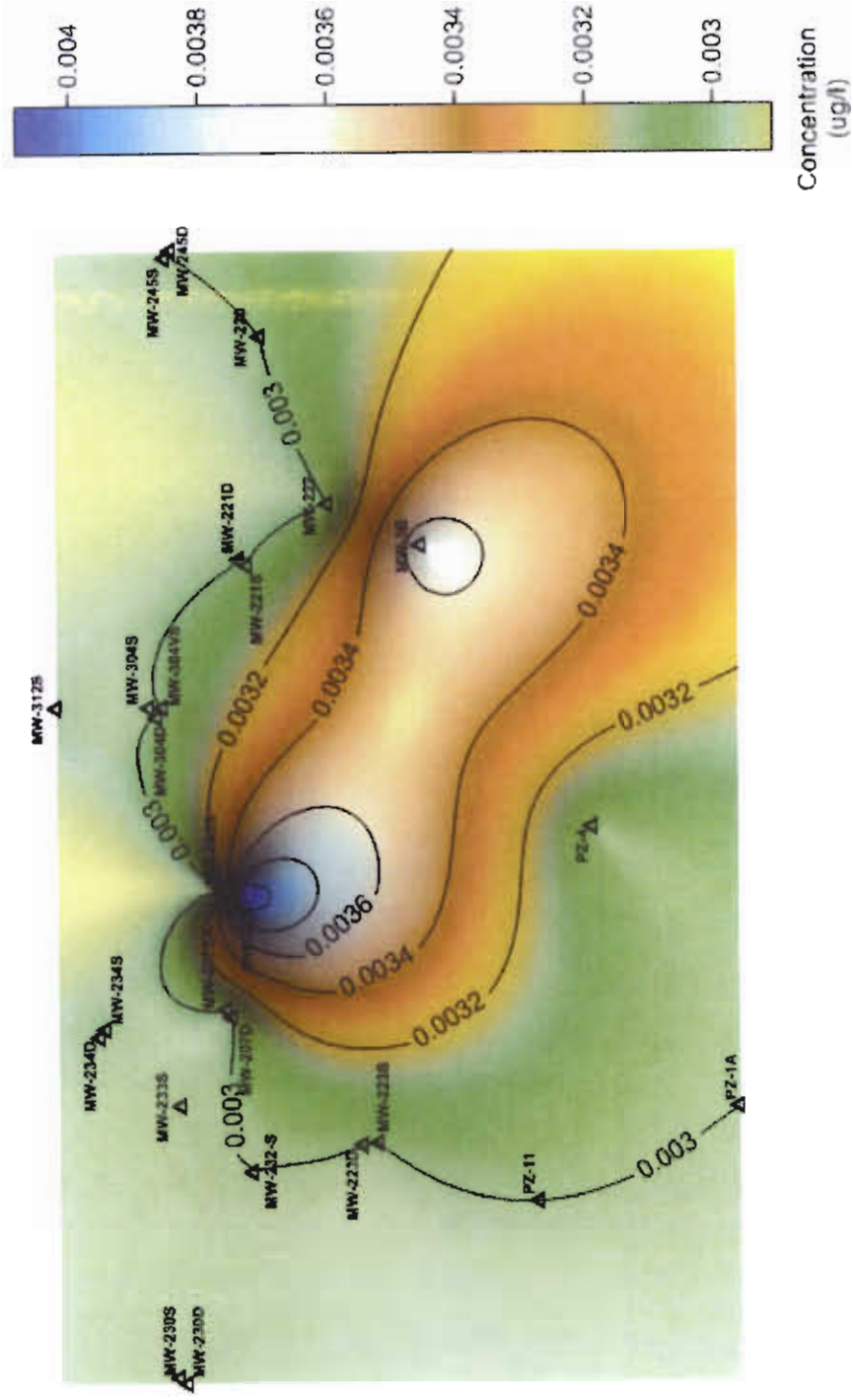
Concentration Contour Line



Note: Values reported as less than method detection limits are inputted equal to method detection limits.

**Orange County Landfill
Goshen, New York**

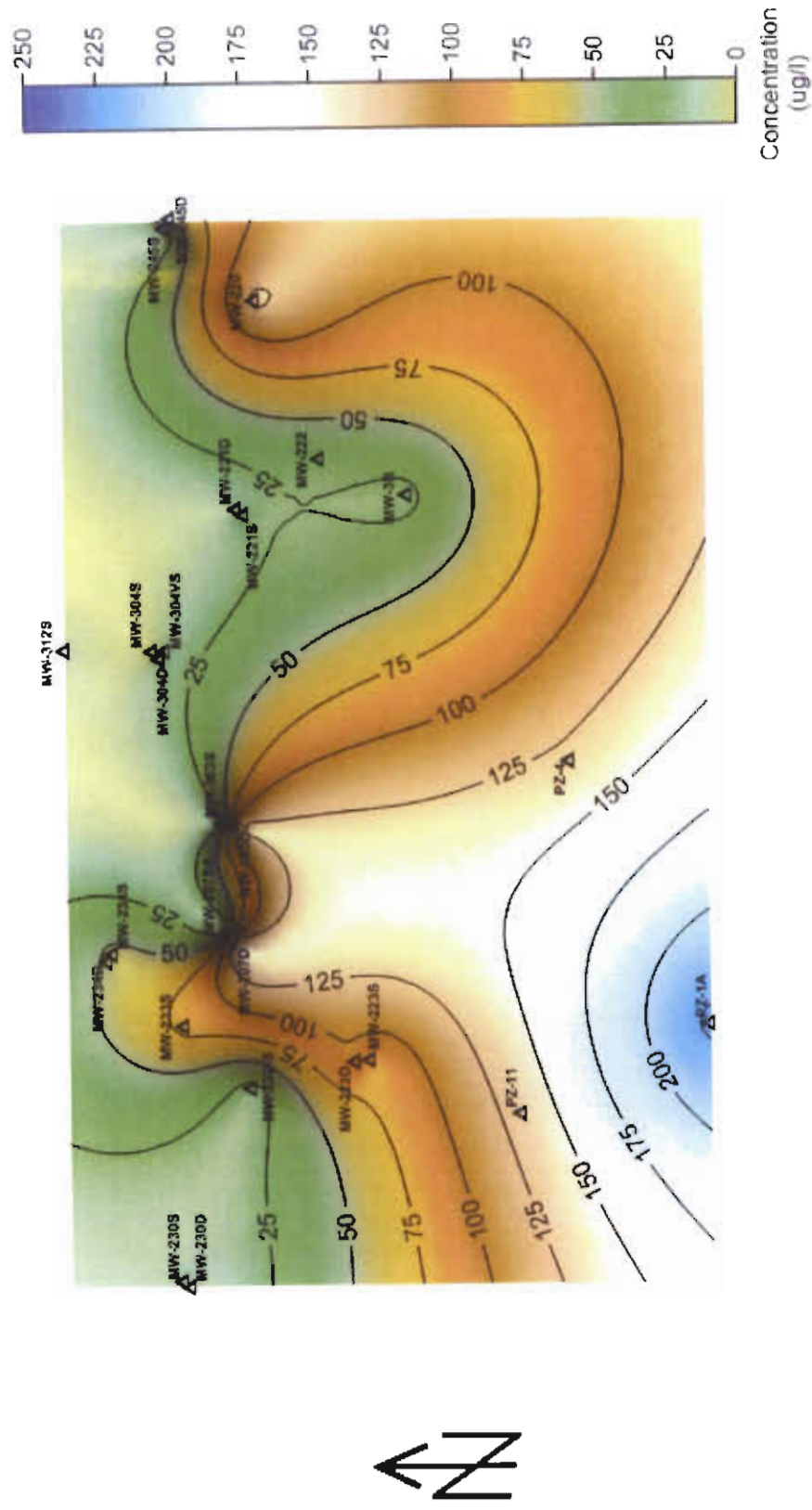
Phenolics Isopleth Map December 2007



$\leftarrow Z$ $\leftarrow Z$  $\leftarrow Z$ $\leftarrow Z$ $\leftarrow Z$

Orange County Landfill Goshen, New York

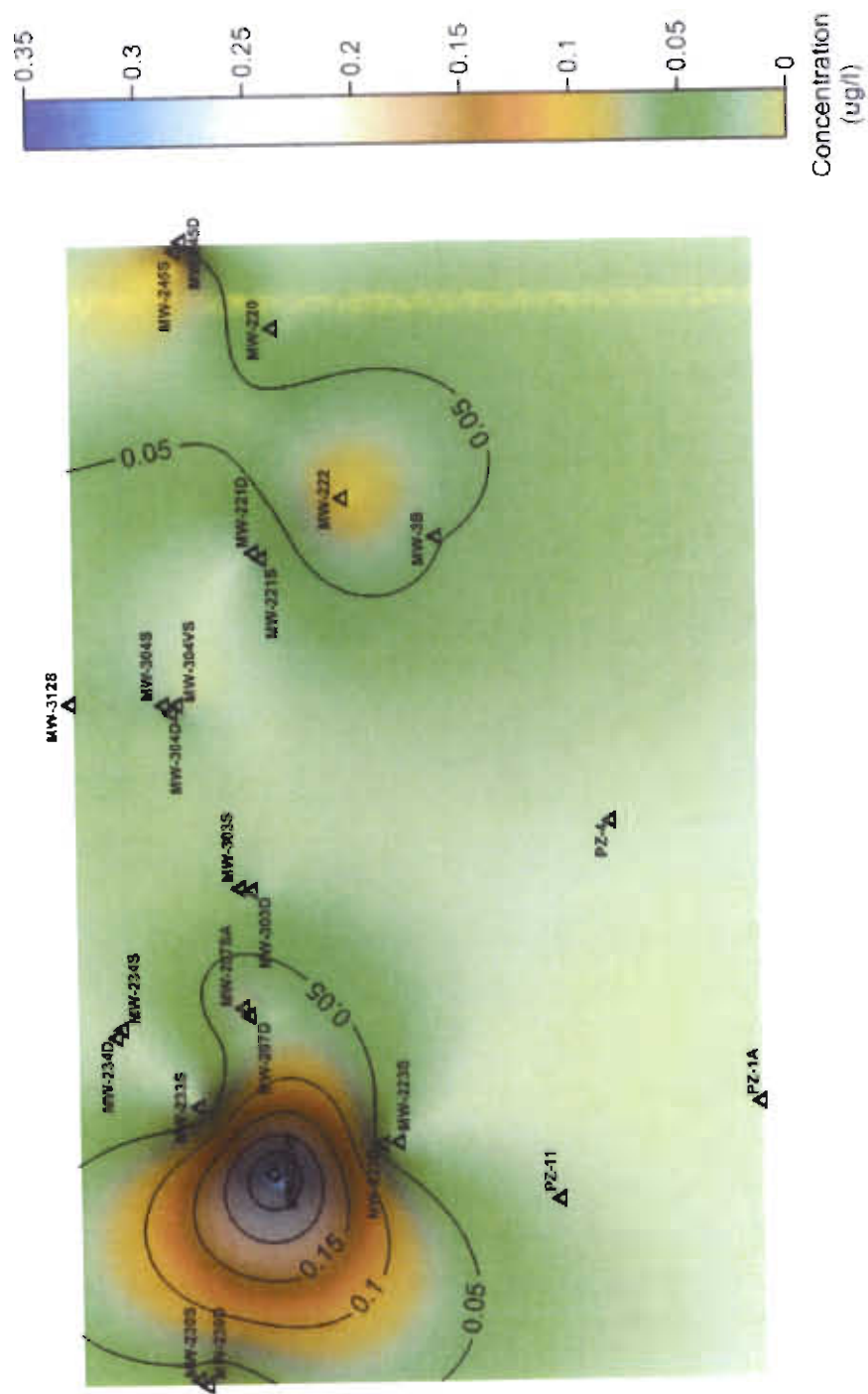
Sulfate Isopleth Map December 2007



Note: Values reported as less than method detection limits are inputted equal to method detection limits.

Orange County Landfill Goshen, New York

Arsenic Isopleth Map December 2007



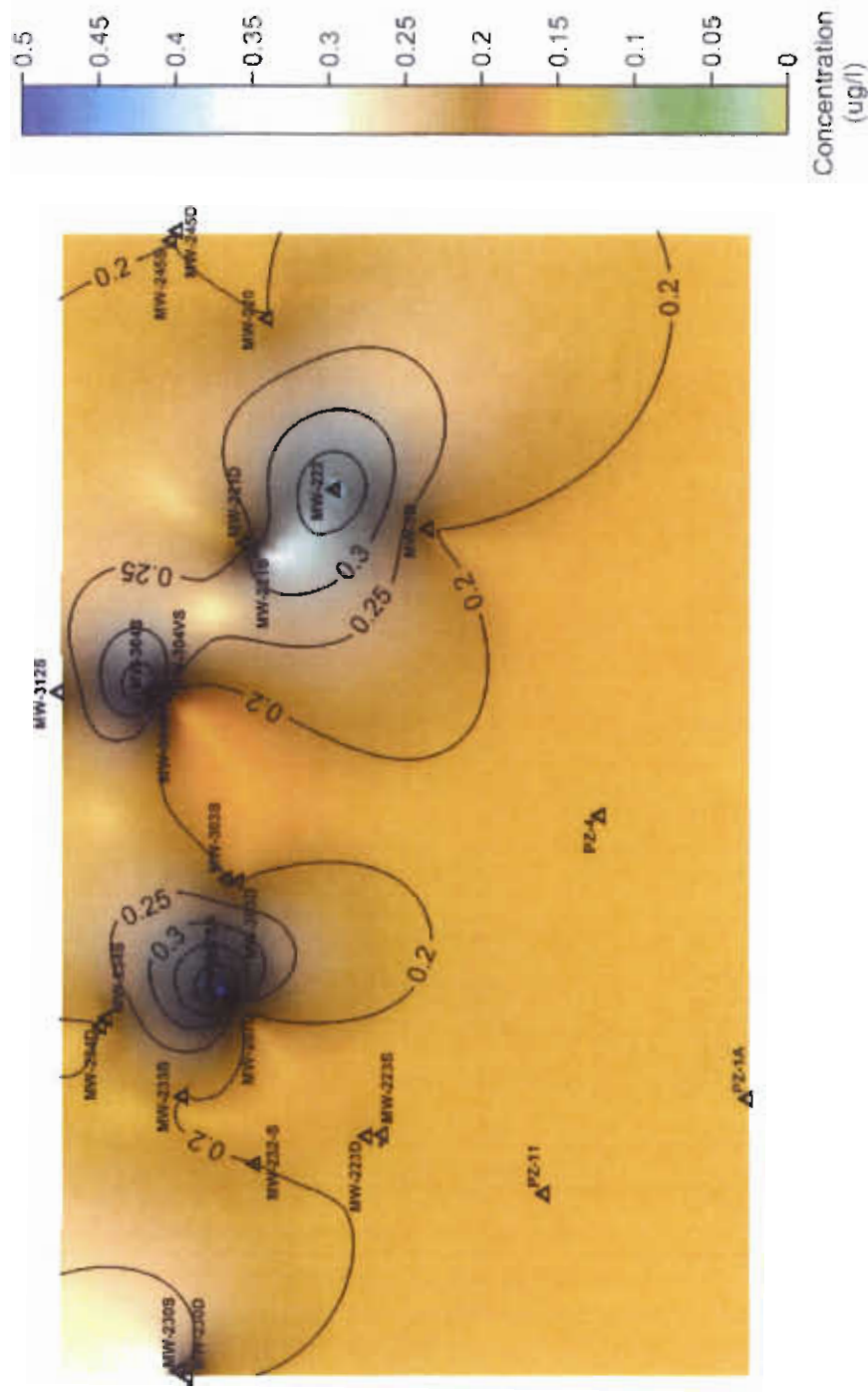
450 Concentration Contour Line

Δ MW-304VS Monitoring Well Location

Note: Values reported as less than method detection limits are inputted equal to method detection limits

Orange County Landfill Goshen, New York

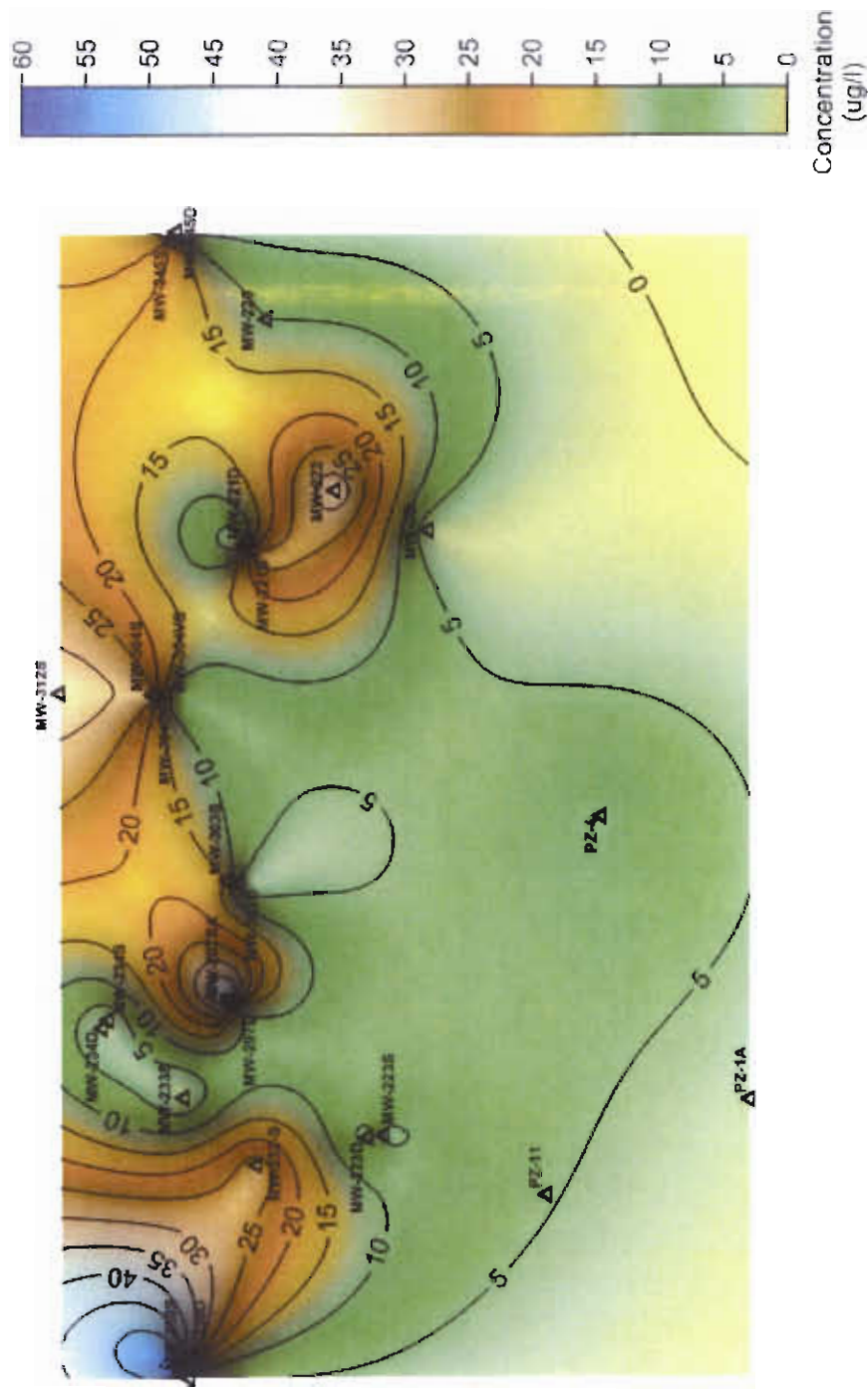
Barium Isopleth Map December 2007



Note: Values reported as less than method detection limits are inputted equal to method detection limits

Orange County Landfill Goshen, New York

Iron Isopleth Map December 2007

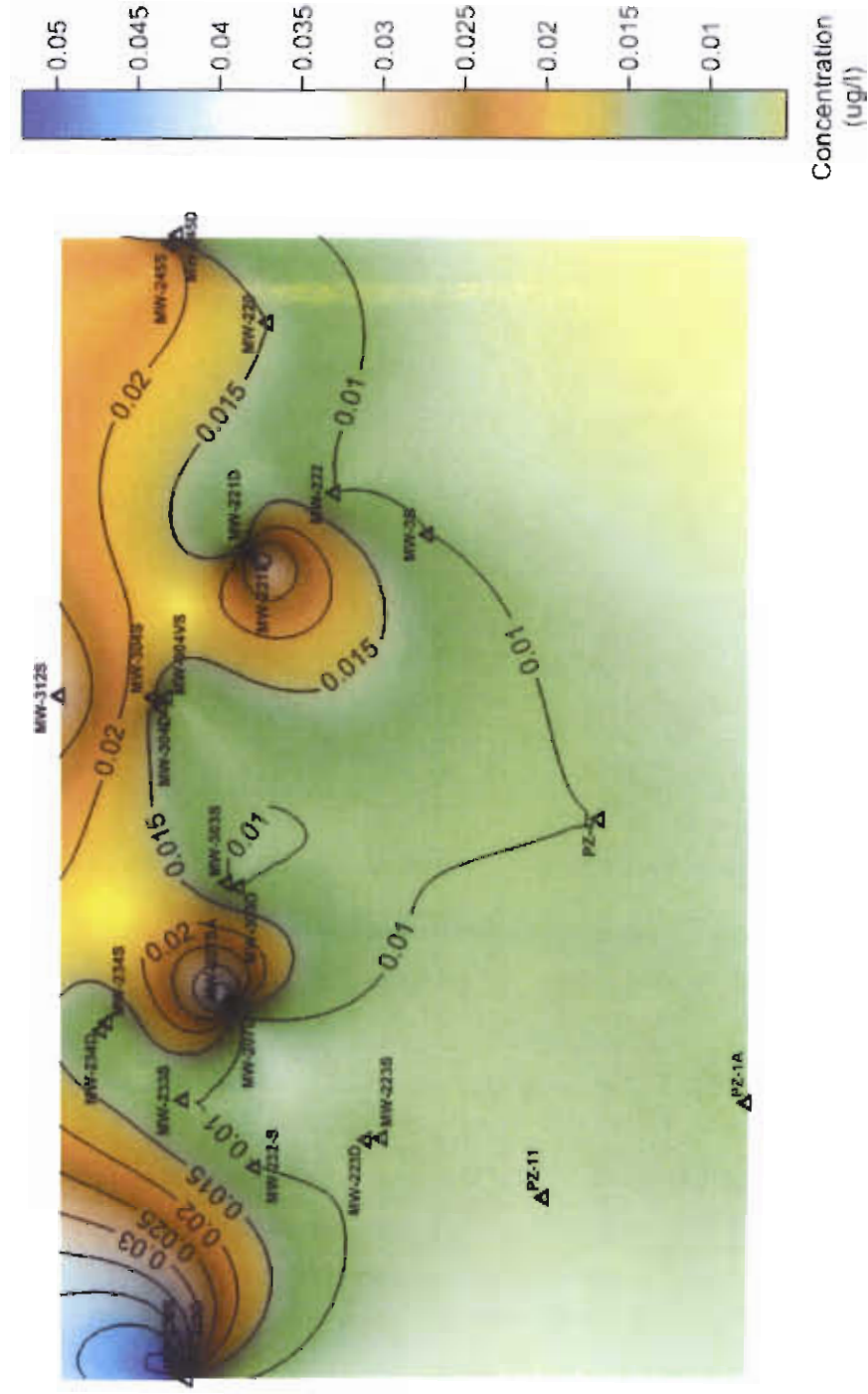


450 Concentration Contour Line

Δ MW-304VS Monitoring Well Location

Note: Values reported as less than method detection limits are inputted equal to method detection limits

**Lead Isopleth Map
December 2007**



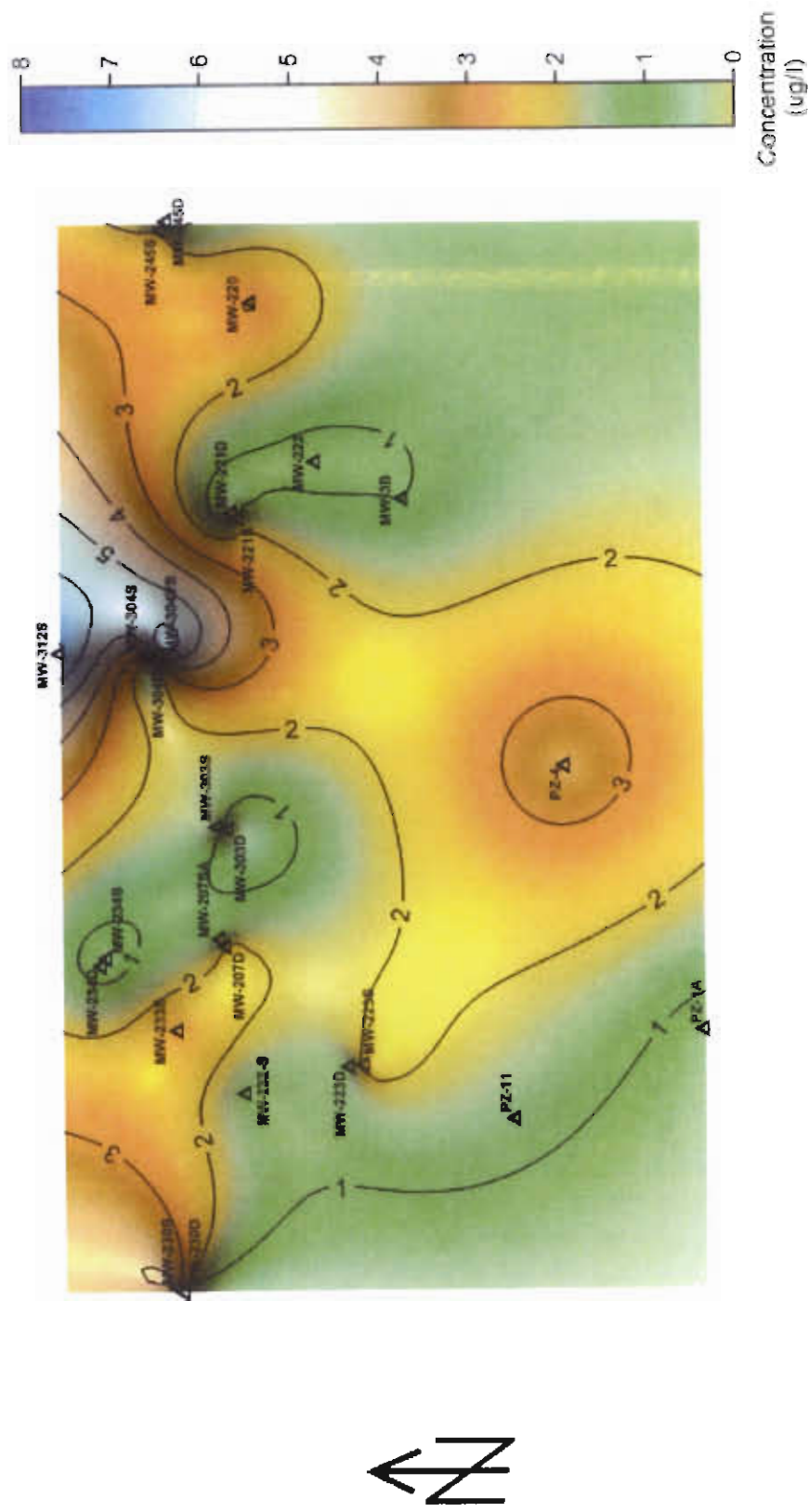
150 Concentration Contour Line

Δ MW-304VS	Monitoring Well Location
0.00	0.00
0.01	0.01
0.02	0.02
0.03	0.03
0.04	0.04
0.05	0.05
0.06	0.06
0.07	0.07
0.08	0.08
0.09	0.09
0.10	0.10
0.11	0.11
0.12	0.12
0.13	0.13
0.14	0.14
0.15	0.15
0.16	0.16
0.17	0.17
0.18	0.18
0.19	0.19
0.20	0.20
0.21	0.21
0.22	0.22
0.23	0.23
0.24	0.24
0.25	0.25
0.26	0.26
0.27	0.27
0.28	0.28
0.29	0.29
0.30	0.30
0.31	0.31
0.32	0.32
0.33	0.33
0.34	0.34
0.35	0.35
0.36	0.36
0.37	0.37
0.38	0.38
0.39	0.39
0.40	0.40
0.41	0.41
0.42	0.42
0.43	0.43
0.44	0.44
0.45	0.45
0.46	0.46
0.47	0.47
0.48	0.48
0.49	0.49
0.50	0.50
0.51	0.51
0.52	0.52
0.53	0.53
0.54	0.54
0.55	0.55
0.56	0.56
0.57	0.57
0.58	0.58
0.59	0.59
0.60	0.60
0.61	0.61
0.62	0.62
0.63	0.63
0.64	0.64
0.65	0.65
0.66	0.66
0.67	0.67
0.68	0.68
0.69	0.69
0.70	0.70
0.71	0.71
0.72	0.72
0.73	0.73
0.74	0.74
0.75	0.75
0.76	0.76
0.77	0.77
0.78	0.78
0.79	0.79
0.80	0.80
0.81	0.81
0.82	0.82
0.83	0.83
0.84	0.84
0.85	0.85
0.86	0.86
0.87	0.87
0.88	0.88
0.89	0.89
0.90	0.90
0.91	0.91
0.92	0.92
0.93	0.93
0.94	0.94
0.95	0.95
0.96	0.96
0.97	0.97
0.98	0.98
0.99	0.99
1.00	1.00

Note: Values reported as less than method detection limits are inputted equal to method detection limits

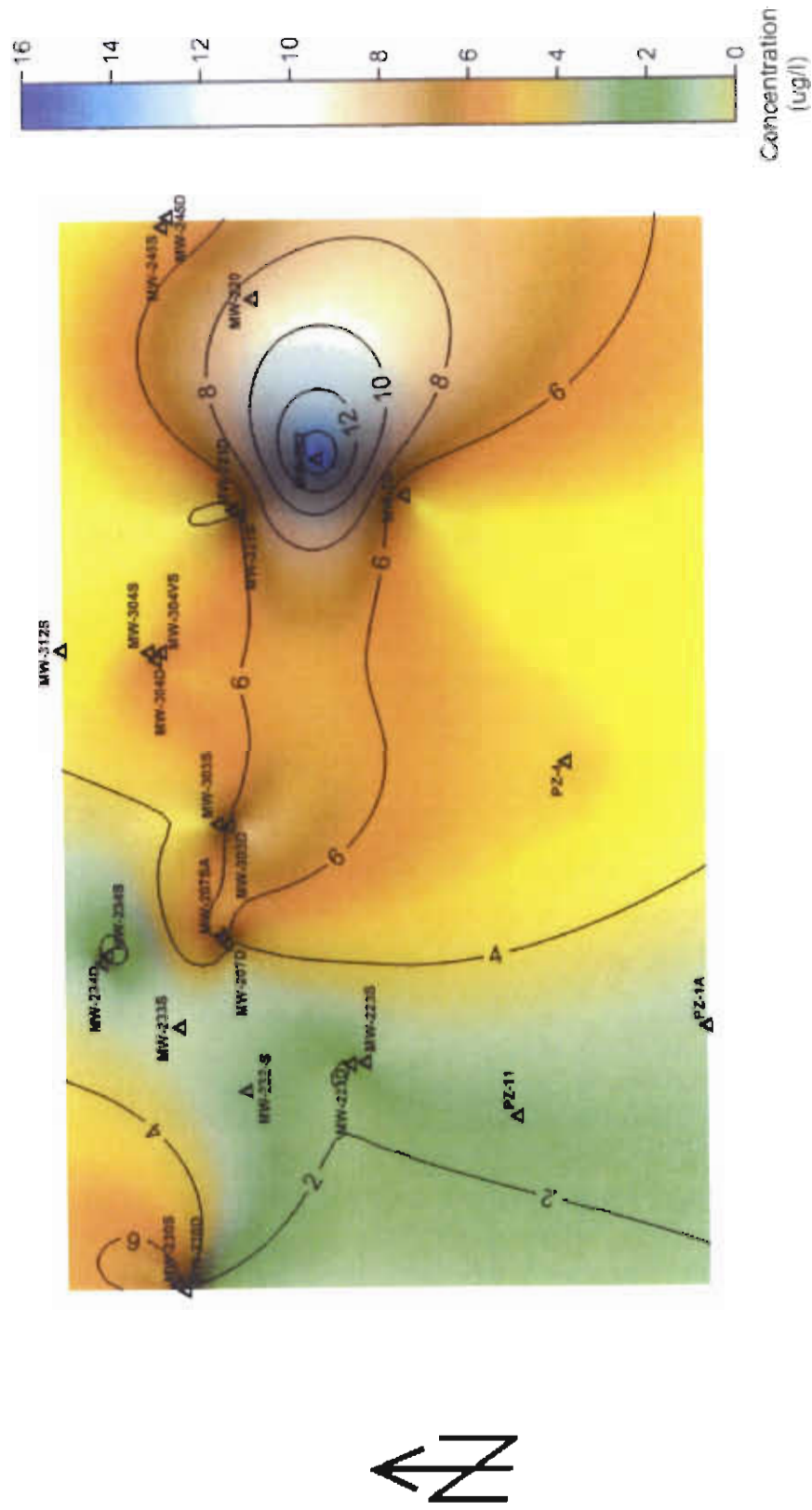
Note: Values reported as less than method detection limits are inputted equal to method detection limits

**Manganese Isopleth Map
December 2007**



Note. Values reported as less than method detection limits are inputted equal to method detection limits.

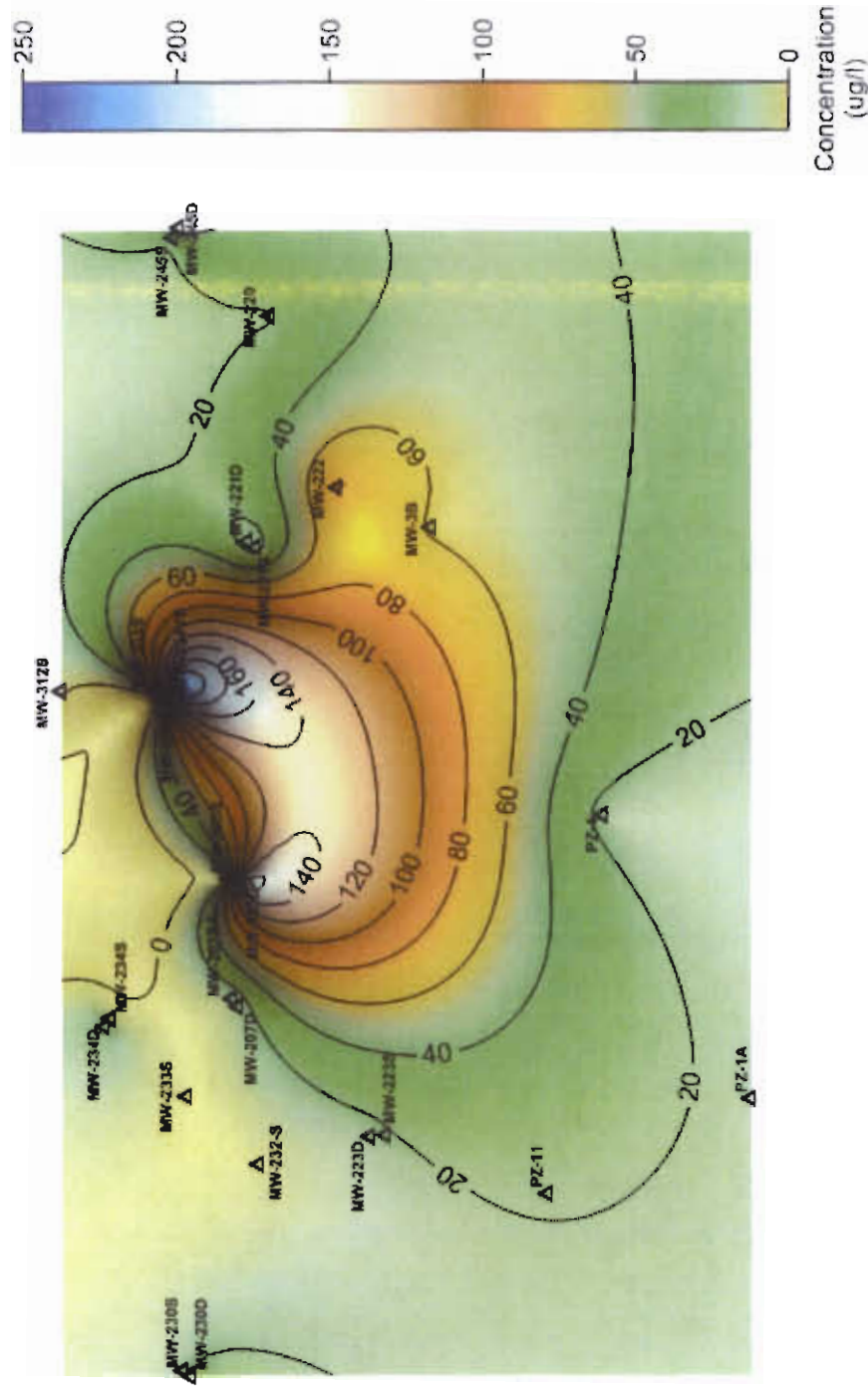
Potassium Isopleth Map
December 2007



Note: Values reported as less than method detection limits are inputted equal to method detection limits

Orange County Landfill Goshen, New York

Sodium Isopleth Map December 2007



Note: Values reported as less than method detection limits are inputted equal to method detection limits