

2005 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*

DECEMBER 2005

**Orange County Landfill
Environmental Monitoring Program
2005 Monitoring Event**

JUL 13 2005

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. 2005 ENVIRONMENTAL MONITORING RESULTS	4
3.1 Groundwater	4
3.2 Surface Water	6
3.3 Leachate Manhole	6
3.4 Conclusions	7

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 FIGURES

Figure 1	Orange County Landfill - Environmental Monitoring Location Plan

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 2005 Program was completed in June 2005 with the exception of surface water monitoring which was completed in September 2005. The results of the 2005 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, and Services by C&S Engineers, Inc., and documents the activities and results of the 2005 monitoring event for the Landfill. The report is based upon the analytical results of groundwater and leachate samples collected on June 21, 22, and 23, 2005 and surface water samples collected on September 26, 2005. Severn Trent Laboratories, Inc. (STL) under contract to C&S, performed the actual collection and analysis of the samples.

2.0 METHODOLOGY

As part of the 2005 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 location MH-7 (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 2005 monitoring event, groundwater, surface water, and leachate samples were collected and analyzed for baseline list parameters by Severn Trent Laboratories, Inc., (STL), 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 and Services previously authorized the collection of groundwater samples for soluble metals analysis in addition to total metal analysis. STL collected additional groundwater samples from each monitoring well 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 21 groundwater monitoring wells and 2 piezometers:

PZ-1A	MW-303S/D
PZ-4	MW-304S/D
MW-3B	MW-230S/D
MW-207SA/D	MW-232S
MW-220	MW-233S
MW-221S/D	MW-234S/D
MW-222	MW-245S/D
MW-223S/D	

It should be noted that samples were not collected from monitoring wells MW-235S, MW-235D, MW-304VS and PZ-11 during the 2005 Monitoring event. Wells MW-304VS and PZ-11 were dry at the time of sampling and wells MW-235S and MW-235D had damaged pipes at the time of sampling. Orange County Department of Public Works Division of Environmental Facilities and Services plans to use contingency well MW-312S as a replacement for monitoring that had previously been complete at damaged wells MW-235S and MW-235D.

Surface water samples were collected from four locations designated as SW-3 and SW-13 (upstream Cheechunk Canal monitoring locations) and 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 analyzed for baseline parameters. Manhole MH-15 was dry during the 2005 sampling event.

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 ExcelTM 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 June 2005. 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 June 2005.

3.0 2005 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. As shown in Table 2, shallow groundwater elevations measured in June 2005 showed a decrease compared to the previous elevations measured in April 2004. 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 1998) 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, and manganese. In addition, ammonia, nitrate, phenols, bromide, arsenic, lead, magnesium, sodium, and thallium exceeded applicable Class GA groundwater standards in several 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 well MW-3B. In general, concurrent soluble metal analysis of the collected groundwater samples revealed that where significantly elevated total magnesium and/or total manganese concentrations were identified, elevated concentrations of 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 June 2005 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 June 2005. These maps are presented in Appendix D. The following table summarizes information based on the results of the isopleth maps:

Parameter	Highest Concentration Areas
TOC	MW-232S
Alkalinity	MW-222
Ammonia	MW-222
Chloride	MW-303S/D
COD	MW-207SA/D
TKN	MW-222
Phenolics	MW-220
TDS	MW-3B
Sulfate	MW-245S/D
Arsenic	MW-207SA/D
Barium	MW-222
Iron	MW-3B
Lead	MW-3B
Magnesium	MW-3B
Manganese	MW-3B
Potassium	MW-3B
Sodium	MW-303S/D

All of the monitoring wells listed above are downgradient wells.

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 (0.152 mg/l, 0.241 mg/l, 0.396 mg/l, 0.143 mg/l respectively). The surface water sample collected from surface water monitoring location SW-13 exceeded the 0.3 mg/l Class C surface water standard for total iron. The surface water samples collected from monitoring locations SW-5, SW-8, and SW-13 exceeded the 0.0001 mg/l Class C surface water standard for silver (0.0021 mg/l, 0.0015 mg/l, 0.0012 mg/l, respectively). There were no volatile organic compounds detected above method detection limits in any of the surface water samples collected with the exception of low levels of methylene chloride. Methylene chloride is a common laboratory solvent and most likely originated from within the laboratory.

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 point SW-5 and SW-8 exceeded background conditions for alkalinity, chloride, hardness, calcium, magnesium, manganese, potassium, 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 2005 monitoring event and other data comparisons indicate that the water quality of the local surface waters are apparently not significantly influenced by the Orange County Landfill.

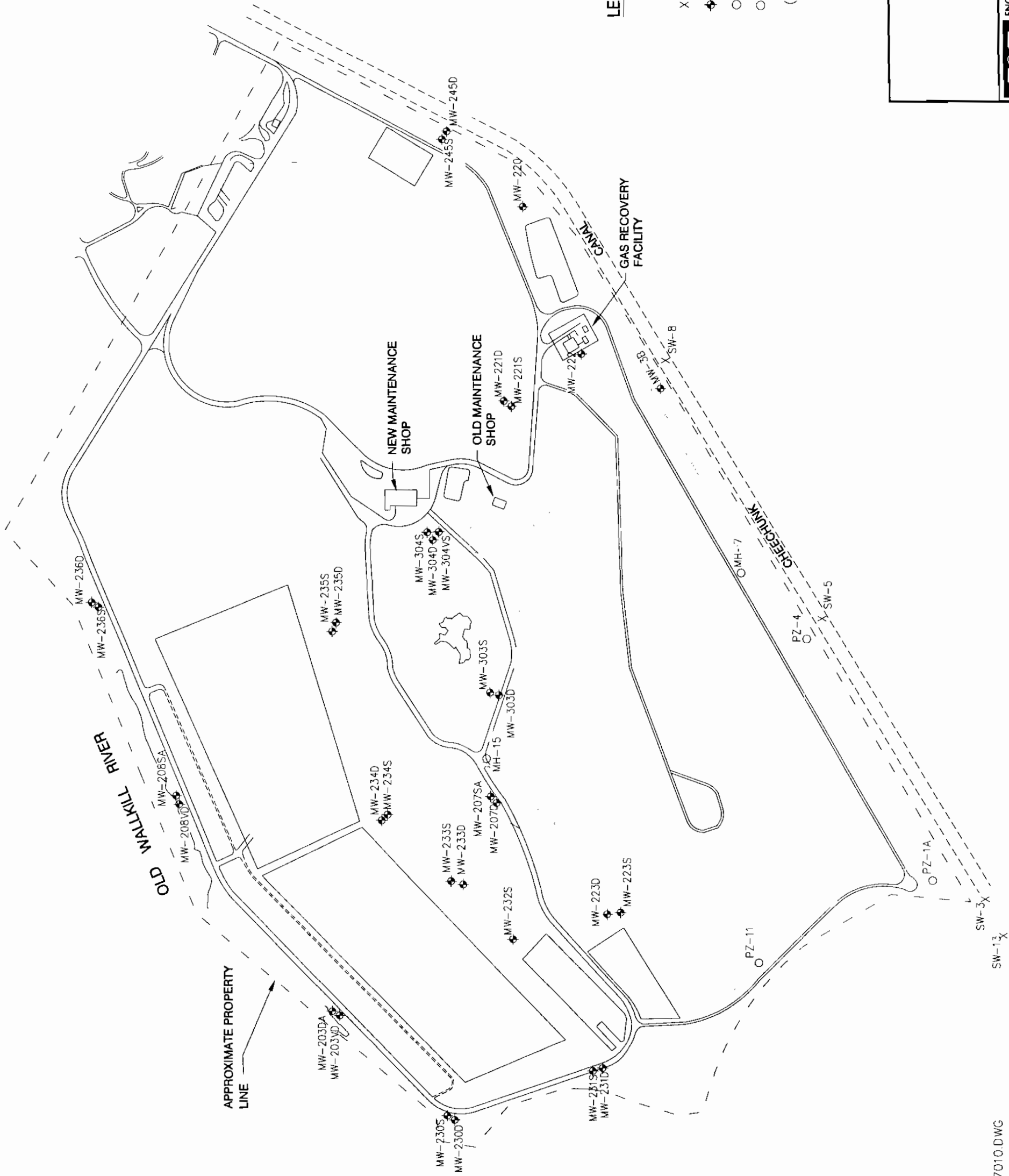
3.3 LEACHATE MANHOLE

During the 2005 monitoring event, a leachate sample was collected from manhole 7 (MH-7) and analyzed for baseline parameters. As previously mentioned, leachate sampling location MH-15 was dry during the June 2005 sampling event. As shown in Table 4, the leachate sample collected from MH-7 was generally characterized by detectable to elevated concentrations of TOC, alkalinity, ammonia, BOD₅, chloride, COD, hardness, TKN, phenols, TDS, aluminum, antimony, arsenic, barium, calcium, boron, iron, magnesium, manganese, potassium, sodium, acetone, 1,2-dichlorobenzene, 1,4-dichlorobenzene, benzene, chlorobenzene, chloroethane, ethylbenzene, methylene chloride, total xylenes, and toluene. 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 2005 monitoring event were consistent with historical conditions at the landfill.

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

ORANGE COUNTY LANDFILL
TOWN OF GOSHEN, NEW YORK

LANDFILL SITE MAP

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THIS DRAWING MADE FROM FIGURE 2
"LANDFILL SITE MAP" BY STEARNS & WHEELER

ENGINEERS



DATE NOVEMBER, 2003

SCALE 1" = 500' APPROX

FILE NO 104 007 011

FIGURE 1

Copyright =

TABLE 1 - MONITORING WELL CONSTRUCTION DATA

Monitoring Well	Installation Date	Well Depth	Screen Length	Ground Elevation	Top of PVC Riser	Unit Screened
Existing Landfill						
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

Former Landfill Expansion Area						
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
MW-304VS	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

TABLE 2 - MONITORING WELL ELEVATIONS

	Units	PZ 1A	PZ 4	PZ 11	MW 207SA	MW 207D	MW 303S	MW 303D	MW 304VS	MW 304S
Top of EVC	Feet	n/a	366.23	n/a	389.13	390.44	n/a	n/a	n/a	n/a
Retained Top of PVC	Feet	374.88	374.88	374.00	389.14	390.92	389.85	389.83	390.71	390.92
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				
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
Sept-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
Sep-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	n/a	n/a	n/a
Apr-04	Feet	373.84	369.76	374.00	373.64	373.63	373.50	370.81	385.87	367.92
Jun-05	Feet	374.88	370.74	NS	378.44	364.92	372.55	368.83	383.12	365.92

TABLE 2 - MONITORING WELL ELEVATIONS

	Units	MW 304D	MW 220	MW 221S	MW 221D	MW 222	MW 223S	MW 223D	MW 230S	MW 230D
Top of PVC	Feet	370.16	370.16	369.74	369.47	371.73	368.75	389.02	385.19	385.10
Residual Top of PVC	Feet	370.16	370.16	369.74	369.47	371.73	368.75	389.02	385.19	385.10
Nov 1990	Feet		360.71	363.38	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	Feet		360.89	365.46	366.32	365.10	375.52	372.62	374.28	374.81
June-95	Feet		357.76	363.33	362.77	362.62	370.81	370.90	372.18	372.35
Sept. - 95	Feet		356.81	361.38	362.01	360.45	368.55	368.67	369.41	369.33
Nov-95	Feet		360.59	364.52	365.18	363.06	371.32	371.42	372.94	373.27
April-96	Feet		361.57	366.94	364.96	365.17	373.59	373.68	375.28	374.84
June-96	Feet		347.21	366.24	363.46	355.43	373.11	373.23	374.57	372.20
Sept-96	Feet		360.60	364.97	363.25	363.14	372.35	372.41	373.92	374.67
Dec-96	Feet		360.29	365.97	366.47	364.03	372.73	372.85	374.38	374.64
May-97	Feet		357.82	365.74	366.22	364.06	372.80	372.92	374.51	374.95
June-97	Feet		357.04	363.31	363.12	361.52	373.73	370.77	372.15	373.15
Sept-97	Feet		358.97	363.31	364.22	361.73	370.70	370.80	372.14	372.44
Dec 97	Feet		362.68	366.87	367.54	364.62	373.48	373.59	375.20	375.85
Mar-98	Feet		357.15	362.73	366.49	364.79	374.15	374.28	375.88	376.56
June-98	Feet		357.15	363.19	363.57	362.05	370.46	370.58	371.39	371.45
Sept-98	Feet		357.04	361.60	362.46	360.50	368.91	369.03	369.79	369.85
Dec-98	Feet		360.35	365.18	365.79	363.32	372.54	372.67	NS	NS
Apr-99	Feet		350.96	363.46	363.73	362.12	370.88	371.05	NS	NS
June-99	Feet		359.54	362.71	362.18	361.04	370.25	370.29	NS	NS
Sept-99	Feet		358.25	362.71	363.68	361.31	370.43	370.55	371.86	372.21
Dec-99	Feet		363.18	366.54	367.31	364.25	373.72	373.80	375.34	376.12
Jan-00	Feet		360.32	366.18	366.03	364.52	372.87	373.02	NS	NS
Jun-00	Feet		358.80	364.80	364.97	363.30	371.85	371.85	NS	NS
Sept-00	Feet		360.96	365.52	363.75	362.35	371.48	371.59	NS	NS
Dec-00	Feet		363.61	366.84	367.81	364.76	373.85	374.01	NS	NS
Mar-01	Feet		359.25	364.93	365.05	363.58	371.85	371.96	373.21	373.48
Jun-01	Feet		356.81	362.24	362.67	360.89	369.60	369.72	NS	NS
Sept-01	Feet		356.71	360.82	361.70	359.88	367.78	367.64	NS	NS
Dec-01	Feet		353.76	360.47	361.76	353.99	368.65	368.74	NS	NS
Mar-02	Feet		358.91	363.34	363.92	362.23	370.69	370.99	NS	NS
Jun-02	Feet		356.44	361.13	361.64	360.23	368.24	368.35	369.08	369.10
Sept-02	Feet		359.60	363.50	364.79	362.26	371.60	371.35	NS	NS
Dec-02	Feet		368.32	367.23	367.45	365.75	373.90	373.90	375.40	375.77
Apr-04	Feet		358.74	365.34	362.99	364.59	378.65	382.26	372.60	370.71
Jun-05	Feet									

TABLE 2 - MONITORING WELL ELEVATIONS

	Units	MW 232S	MW 233S	MW 234S	MW 234D	MW 235S	MW 235D	MW 245S	MW 245D	MW 3B
Top of PVC	Feet	388.25	388.94	390.37	389.89	387.06	387.17	390.74	390.76	n/a*
Resurveyed Top of PVC	Feet	388.25	388.94	390.37	389.89	387.06	387.17	390.74	390.76	385.73
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	372.22	371.59	371.21	372.01	360.72	360.61	n/a*
May 1991	Feet	374.92	377.45	372.30	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	359.30	359.30	n/a*
May 1992	Feet	373.92	377.17	371.23	371.33	370.45	370.84	360.39	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	360.28	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	375.64	376.43	373.81	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	361.00	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		377.46	371.97	371.69	370.91	371.15	358.57	358.59	n/a*
Sept-97	Feet	373.90	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*
Sep-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	371.44	370.66	370.99	361.49	360.50	n/a*
Mar-01	Feet	374.65	378.17	375.50	373.94	373.32	373.49	364.22	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*
Sep-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	367.35	367.67	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*
Sep-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	358.43
Apr-04	Feet	well under water	379.23	374.82	373.60	372.82	378.91	361.53	360.88	359.74
Jun-05	Feet	378.04	378.69	372.33	370.60	NS	NS	359.03	355.88	356.43

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 6/23/2005	PZ-4 6/23/2005	MW-3B 6/21/2005	MW-2075A 6/22/2005	MW-207D 6/22/2005	MW-220 6/21/2005	MW-221S 6/22/2005	MW-221D 6/22/2005	MW-222 6/21/2005	MW-223S 6/22/2005	MW-223D 6/22/2005	MW-230S 6/21/2005	MW-230D 6/21/2005	MW-232S 6/21/2005	MW-233S 6/21/2005	MW-234S 6/21/2005	MW-234D 6/21/2005	MW-245S 6/21/2005	MW-245D 6/21/2005	MW-303S 6/22/2005	MW-303D 6/22/2005	MW-304S 6/21/2005	MW-304D 6/21/2005
Specific Conductivity UanHos/cm	umhos/cm																									
Eh (MV)	MV			509	648	1559	726	809	999	493	691	686	485	718	675	642	1206	502	544	493	708	874	904	684	851	570
Field pH	S. U.	6.5-8.5		106	124	163	93	141	164	88	151	104	103	84	109	82	133	142	98	116	81	109	82	109	173	155
Temperature (deg. C)	deg. C			7.53	7.6	7.09	7.9	7.66	7.22	8.08	7.42	8.19	8.03	7.6	7.47	8.02	7.36	8.12	8.04	7.97	8.59	7.98	7.55	8.01	7.35	8.47
Turbidity (NTU)	NTU			16.6	17.4	14.3	16	16.7	14.1	18.2	16.8	16.4	19	17.5	15.8	16	15.8	20.3	18.1	15.3	16.7	15.7	17.4	16.2	17.4	19.8
TOC	mg/l			50	47	60	30	12	39	12	26	61	40	14	21	14	36	8.7	7.4	6.3	150	37	31	18	30	9
Alkalinity as CaCo3	mg/l			4.92	3.3	2.53	3.12	6.23	4.17	3.23	<1.00	8.75	1.57	11.9	1.48	1.1	15.3	3.01	2.07	2.69	2.97	2.45	4.42	1.74	7.04	1.31
Ammonia as N	mg/l	2		44.3	249	468	541	284	467	462	122	827	182	38.2	96.6	129	181	281	229	143	260	314	476	214	536	149
Biological Oxygen Demand	mg/l			1.4	<1.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	8.68	<1.00	<1.00	<1.00	1.4	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.0	<1.0	1.68	
Chloride	mg/l	250		<4.0	<4.0	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	8.78	<4.00	6.72	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	<4.00	18.8	<4.0	<4.00	<4.00	
Chemical Oxygen Demand	mg/l			<5.0	<5	28	16	18	17	<5.0	53	58	48	<5.0	31	<5.00	<5.0	<5.0	<5.0	28	42	25	7.7	180	28	58
	mg/l			<10.0	17.5	68	97.6	20.4	17.5	17.5	23.4	50.1	<10.00	35.3	<10	<10.0	44.2	<10.0	<10.0	<10.00	11.6	17.5	35.3	20.5	26.4	<10.0
Color	mg/l	15		30	20	150	30	80	40	20	15	400	15	15	15	15	150	15	15	15	20	20	40	15	300	20
Cyanide	mg/l	0.2		<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Hexachrome	mg/l	0.05		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Nitrate as N	mg/l	10		10.9	0.32	<0.200	0.39	1.19	<0.200	0.27	0.21	0.73	<0.200	1.32	0.91	<0.200	0.75	5.68	0.28	0.39	<0.200	1.11	0.68	0.37	0.6	<0.200
Total Hardness as CaCo3	mg/l			98	249	1330	558	347	693	591	193	825	295	109	163	86.8	200	353	338	204	415	327	447	197	569	216
Kjeldahl Nitrogen as N	mg/l			17.3	54	1210	572	350	654	541	181	825	248	75.7	159	84.7	191	333	343	205	404	327	466	201	551	212
Phenolics, Total	mg/l			<1.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	3.95	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	4.02	1.32	<1.00	<1.00	<1.00
Solids, Dissolved	mg/l	0.001		<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.041	<0.0100	<0.0100	0.032	<0.0100	<0.0100	0.021	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Sulfate as SO4	mg/l	500		216	280	1540	630	540	954	602	258	1010	272	136	226	164	224	372	454	340	542	590	316	720	618	432
Bromide	mg/l	250		21	6.18	<5.00	24.9	110	124	34.7	20.7	47.5	76.2	68.6	39.3	11.5	5.18	33.7	125	71.7	126	165	<5.00	127	9.48	61.6
Mercury	mg/l			<1.0	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	1	1	<1.00	<1.00	<1.00	2.65	<1.00	<2.00
Mercury, dissolved	ug/l	0.7		<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16
Aluminum	ug/l	0.7		<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16
Aluminum, dissolved	ug/l			63.8	2460	30300	9190	204	1030	1720	177	11.1	69.6	79.3	183	118	182	294	360	69.7	2800	53.4	713	88.1	262	140
Antimony	ug/l	3		17.8	19.5	<10.4	<10.4	<10.4	<10.4	<10.4	<10.4	<10.4	<10.4	<10.4	<10.4	<10.4	<10.4	<10.4	<10.4	<10.4	<10.4	<10.4	<10.4	<10.4	<10.4	<10.4
Antimony, dissolved	ug/l			<4.4	<4.4	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Arsenic	ug/l	25		<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
Arsenic, dissolved	ug/l	25		15.7	27.9	60.7	66.5	26.2	24.2	6.2	<3.1	20.5	<3.1	3.1	5.7	<3.1	4.5	<3.1	10.5	5.2	<2.5	7.1	13	5.5	4.3	20.9
Barium	ug/l	1000		<3.1	3.8	8.4	53.4	<3.1	6.7	4	<3.1	11	5.4	<3.1	6.6	5.9	<3.1	5.2	11.3	5.6	13	4.3	9.9	9.2	<3.1	7.7
Barium, dissolved	ug/l	1000		8.8	104	174	322	43.3	58.9	285	61.3	790	134	93.3	65.8	56.6	24.7	66.4	80.3	78.9	48.7	95.7	149	31.6	459	51.7
Beryllium	ug/l		3	9.1	63.7	19.9	251	14.9	36.6	221	55.5	845	120	80.2	59.7	49.1	10.8	46.8	70.1	71.6	33.3	89.1	147	31.5	448	45.5
Beryllium, dissolved	ug/l			<0.30	<0.30	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Boron	ug/l	1000		<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Boron, dissolved	ug/l	1000		29.2	175	64.6	42.2	23.8	50.8	39.7	38.1	254	25.5	20.3	13.6	85.8	11.6	15.1	13.8	24	31.6	57.3	37.5	367	49.9	52.1
Cadmium	ug/l	5		25.5	130	40.9	31.9	21.1	48.9	28.6	33	282	19.4	15.4	10.4	78.5	7.8	12.2	12.6	23.5	27.3	54.7	37.6	370	45	52.7
Cadmium, dissolved	ug/l	5		1.4	<0.50	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	0.87
Calcium	ug/l			32000	62700	370000	163000	94400	192000	205000	46400	244000	113000	38500	50700	24500	49200	104000	104000	62600	122000	83100	140000	47500	172000	58300
Calcium, dissolved	ug/l			29300	52500	346000	172000	93800	184000	189000	42900	245000	99300	27900	49700	24000	47000	97900	107000	63600	120000	83400	148000	48600	167000	57900
Chromium	ug/l	50		<0.60	3.4	44.1	14.4	5.4	3.2	3	1.7	<0.90	2.9	1.5	1.6	<0.90	1.8	2.1	2.4	1.6	5	2.5	2.5	1.1	3.2	1.3
Chromium, dissolved	ug/l	50		<0.90	<0.90	1.2	<0.90	1.1	0.91	1.2	1.8	<0.90	1.8	1.2	<0.90	<0.90	<0.90	1.1	0.96	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90	<0.90
Cobalt	ug/l			<2.0	2.8	28.2	10.6	<1.9	2.6	2.1	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
Cobalt, dissolved	ug/l			<1.9	<1.9	<1.9	4.4	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
Copper	ug/l	200		5.6	8.6	80.2	51.4	3.6	4.2	6.8	2.5	8.8	2.7	3.8	3.6	10.2	6.6	12.3	3.9	5.8	5.7	3.4	3.2	6.7	6	4.7
Copper, dissolved	ug/l	200		2.4	2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	1.8	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
Iron	ug/l	300		168	4380	57800	35900	10900	5590	2900	470	53100	1490	684	454	422	5900	688	809	369	4640	1650	23900	428	14600	1370
Iron, dissolved	ug/l	300		15.9	<7.7	<7.7	22300	13	273	<7.7	34.5	35700	12	27.3	24.1	<7.7	44.7	<7.7	22.1	13.9	168	<7.7	22500	13.5	13600	14.6
Lead	ug/l	25		<1.7																						

TABLE 3 - GROUNDWATER ANALYTICAL DATA

	UNITS	Class GA Standard	Class GA Guidance	PZ-1A 6/23/2005	PZ-4 6/23/2005	MW-3B 6/21/2005	MW-207SA 6/22/2005	MW-207D 6/22/2005	MW-220 6/21/2005	MW-221S 6/22/2005	MW-221D 6/22/2005	MW-222 6/21/2005	MW-223S 6/22/2005	MW-223D 6/22/2005	MW-230S 6/21/2005	MW-230D 6/22/2005	MW-232S 6/21/2005	MW-233S 6/21/2005	MW-234S 6/21/2005	MW-234D 6/21/2005	MW-245S 6/21/2005	MW-245D 6/21/2005	MW-303S 6/22/2005	MW-303D 6/22/2005	MW-304S 6/21/2005	MW-304D 6/21/2005
<i>Date Sampled</i>																										
Methylene Chloride	ug/l	5		0.66	0.52	<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	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
4 Methyl-2-pentanone				<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	
o-Xylene	ug/l	5		<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	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
p-Xylene/m-Xylene	ug/l	2		<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	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Styrene	ug/l	5		<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	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Tetrachloroethene	ug/l	5		<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	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Toluene	ug/l	5		<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	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
trans-1,2-Dichloroethene	ug/l	5		<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	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
trans-1,3-Dichloropropene	ug/l	0.4		<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	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Trans-1,4-Dichloro-2-butene	ug/l	5		<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	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Trichloroethene	ug/l	5		<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	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Trichlorofluoromethane	ug/l	5		<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	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Vinyl Acetate	ug/l	0.04		<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	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	
Vinyl Chloride	ug/l	2		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.62	<1.0	<1.0	<1.0	

NA - Not Analyzed

TABLE 4 - SURFACE WATER ANALYTICAL DATA

	Units	Class C Std.	SW-3	SW-5	SW-8	SW-13
<i>Date Sampled</i>			<i>9/26/2005</i>	<i>9/26/2005</i>	<i>9/26/2005</i>	<i>9/26/2005</i>
TOC	mg/l		5.9	5.57	6.16	5.75
Alkalinity as CaCo3	mg/l		188	193	189	187
Ammonia as N	mg/l		< 1.00	< 1.00	< 1.00	< 1.00
Biological Oxygen Demand	mg/l		< 4.00	< 4.00	< 4.00	< 4.00
Chloride	mg/l		81	79	80	82
Chemical Oxygen Demand	mg/l		14.5	14.5	14.5	14.5
Color (Pt. Co. U.)	mg/l		500	750	500	750
Nitrate as N	mg/l		1.01	0.946	0.934	1.15
Total Hardness as CaCo3	mg/l		238	240	257	245
Kjeldahl Nitrogen as N	mg/l		< 1.00	< 1.00	< 1.00	< 1.00
Phenolics, Total	mg/l	0.005	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Solids, Dissolved	mg/l	500	446	446	428	446
Sulfate as SO4	mg/l		38.5	39.1	38.4	38.8
Bromide	mg/l	2	< 1.00	< 1.00	< 1.00	< 1.00
Aluminum	mg/l	0.1	0.152	0.241	0.396	0.143
Antimony	mg/l		< 0.0044	< 0.0044	0.0063	0.0088
Arsenic	mg/l	*	< 0.0031	< 0.0031	< 0.0031	0.0064
Barium	mg/l		0.0405	0.0377	0.0368	0.0391
Beryllium	mg/l	1100	< 0.00040	< 0.00040	< 0.00040	< 0.0004
Boron	mg/l	10	0.0598	0.0523	0.0502	0.0781
Cadmium	mg/l	4.4	< 0.00080	< 0.00080	< 0.00080	< 0.0008
Calcium	mg/l		64	59.8	59.2	60.7
Chromium	mg/l	161	0.0013	< 0.0009	0.0011	0.0013
Cobalt	mg/l		< 0.0019	< 0.0019	< 0.0019	< 0.0019
Copper	mg/l	20.1	0.0031	0.003	0.0021	0.0053
Cyanide, Total	mg/l	9	< 0.0100	< 0.0100	< 0.0100	< 0.0100
Hexachromium	mg/l	0.011	< 0.010	< 0.010	< 0.010	< 0.010
Iron	mg/l	0.3	0.248	0.285	0.196	0.36
Lead	mg/l	10.4	< 0.0019	< 0.0019	< 0.0019	< 0.0019
Magnesium	mg/l		23.7	22.2	22	22.7
Manganese	mg/l		0.211	0.211	0.191	0.216
Mercury	mg/l	0.0007	< 0.00016	< 0.00016	< 0.00016	< 0.00016
Nickel	mg/l	116	< 0.0023	< 0.0023	< 0.0023	< 0.0023
Potassium	mg/l		5.45	4.98	4.92	5.22
Selenium	mg/l	0.0046	< 0.0039	< 0.0039	< 0.0039	< 0.0039
Silver	mg/l	0.0001	< 0.0011	0.0021	0.0015	0.0012
Sodium	mg/l		39.8	37.1	37.2	37.9

TABLE 4 - SURFACE WATER ANALYTICAL DATA

	Units	Class C Std.	SW-3	SW-5	SW-8	SW-13
<i>Date Sampled</i>			<i>9/26/2005</i>	<i>9/26/2005</i>	<i>9/26/2005</i>	<i>9/26/2005</i>
Thallium	mg/l	0.008	< 0.0029	< 0.0029	< 0.0029	< 0.0029
Vanadium	mg/l	0.014	< 0.0020	< 0.0020	< 0.0020	< 0.002
Zinc	mg/l	184	0.0058	0.0044	0.0345	0.006
Acetone	ug/l		< 5.0	< 5.0	< 5.0	< 5.0
Acrylonitrile	ug/l		< 10	< 10	< 10	< 10
Benzene	ug/l	1	< 1.0	< 1.0	< 1.0	< 1.0
Bromodichloromethane	ug/l		< 1.0	< 1.0	< 1.0	< 1.0
Bromomethane	ug/l		< 1.0	< 1.0	< 1.0	< 1.0
Bromochloromethane	ug/l	5	< 1.0	< 1.0	< 1.0	< 1.0
Bromoform	ug/l		< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone	ug/l		< 2.5	< 2.5	< 2.5	< 2.5
Carbon Disulfide	ug/l		< 1.0	< 1.0	< 1.0	< 1.0
Carbon Tetrachloride	ug/l		< 1.0	< 1.0	< 1.0	< 1.0
Chlorobenzene	ug/l	5	< 1.0	< 1.0	< 1.0	< 1.0
Chloroethane	ug/l		< 1.0	< 1.0	< 1.0	< 1.0
Chloroform	ug/l	5	< 1.0	< 1.0	< 1.0	< 1.0
Chloromethane	ug/l	5	< 1.0	< 1.0	< 1.0	< 1.0
Dibromochloromethane	ug/l	7	< 1.0	< 1.0	< 1.0	< 1.0
Dibromomethane	ug/l	5	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromo-3-chloropropane	ug/l		< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dibromoethane	ug/l	0.4	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichlorobenzene	ug/l		< 1.0	< 1.0	< 1.0	< 1.0
1,4-Dichlorobenzene	ug/l	3	< 1.0	< 1.0	< 1.0	< 1.0
Trans-1,4-Dichloro-2-butene	ug/l	5	< 1.0	< 1.0	< 1.0	< 1.0
1,1 Dichloroethane	ug/l	5	< 1.0	< 1.0	< 1.0	< 1.0
1,2-Dichloroethane	ug/l	5	< 1.0	< 1.0	< 1.0	< 1.0

TABLE 4 - SURFACE WATER ANALYTICAL DATA

	Units	Class C Std.	SW-3	SW-5	SW-8	SW-13
<i>Date Sampled</i>			<i>9/26/2005</i>	<i>9/26/2005</i>	<i>9/26/2005</i>	<i>9/26/2005</i>
1,1-Dichloroethene	ug/l	0.6	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	ug/l		<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	ug/l	5	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	ug/l	5	<1.0	<1.0	<1.0	<1.0
cis-1,3-Dichloropropene	ug/l	1	<1.0	<1.0	<1.0	<1.0
trans-1,3-Dichloropropene	ug/l	0.4	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	ug/l	0.4	<1.0	<1.0	<1.0	<1.0
2-Hexanone	ug/l	5	<2.5	<2.5	<2.5	<2.5
Methylene Chloride	ug/l	5	0.6	1.5	0.86	0.73
4-Methyl-2-pentanone	ug/l		<2.5	<2.5	<2.5	<2.5
Iodomethane	ug/l		<5	<5	<5	<5
Styrene	ug/l		<1.0	<1.0	<1.0	<1.0
1,1,1,2-Tetrachloroethane	ug/l	5	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	ug/l	5	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	ug/l	5	<1.0	<1.0	<1.0	<1.0
Toluene	ug/l	5	<1.0	<1.0	<1.0	<1.0
Trichloroethene	ug/l		<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	ug/l	5	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	ug/l	5	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane	ug/l	5	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichloropropane	ug/l	5	<1.0	<1.0	<1.0	<1.0
Vinyl Acetate	ug/l	0.04	<1.0	<1.0	<1.0	<1.0
Vinyl Chloride	ug/l	2	<1.0	<1.0	<1.0	<1.0
Xylenes, total	ug/l	5	<1.0	<1.0	<1.0	<1.0

* 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>	Units	MH-7 6/23/2005	MH-15 06/2005
Specific Conductivity UmHos/cm	uMhos	563	Sampling Location Dry
Eh (MV)	Mv	124	
Field pH	SU	7.9	
Temperature (deg. C)	deg C	17.4	
Turbidity (NTU)	NTU	36	
TOC	mg/l	188	
Alkalinity as CaCo3	mg/l	1990	
Ammonia as N	mg/l	45.6	
Biological Oxygen Demand	mg/l	> 42.8	
Chloride	mg/l	1300	
Chemical Oxygen Demand	mg/l	450	
Color (Pt. Co. U.)	mg/l	500	
Nitrate as N	mg/l	< 0.200	
Total Hardness as CaCo3	mg/l	626	
Kjeldahl Nitrogen as N	mg/l	570	
Phenolics, Total	mg/l	0.073	
Solids, Dissolved	mg/l	3310	
Sulfate as SO4	mg/l	161	
Bromide	mg/l	< 1.00	
Cyanide, Total	mg/l	< 0.0100	
Hexachromium	mg/l	< 0.010	
Mercury	mg/l	< 0.16	
Aluminum	ug/l	1240	
Antimony	ug/l	10.5	
Arsenic	ug/l	45	
Barium	ug/l	326	
Beryllium	ug/l	< 0.30	
Boron	ug/l	2850	
Cadmium	ug/l	1	
Calcium	ug/l	119000	
Chromium	ug/l	6.2	
Cobalt	ug/l	27.2	
Copper	ug/l	3.2	
Iron	ug/l	39000	
Lead	ug/l	10.8	
Magnesium	ug/l	79900	
Manganese	ug/l	656	
Nickel	ug/l	96.6	
Potassium	ug/l	216000	
Selenium	ug/l	< 3.9	
Silver	ug/l	< 1.1	
Sodium	ug/l	42000	
Thallium	ug/l	< 2.3	
Vanadium	ug/l	6.4	
Zinc	ug/l	22	

TABLE 5 – MANHOLE ANALYTICAL RESULTS

<i>Date Sampled</i>	Units	MH-7 6/23/2005	MH-15 06/2005
Acetone	ug/l	9	Sampling Location Dry
1,2-Dichloroethane	ug/l	<1.0	
1,1 Dichloroethane	ug/l	<1.0	
1,1,1,2-Tetrachloroethane	ug/l	<1.0	
1,1,1-Trichloroethane	ug/l	<1.0	
1,1,2,2-Tetrachloroethane	ug/l	<1.0	
1,1,2-Trichloroethane	ug/l	<1.0	
1,1-Dichloroethene	ug/l	<1.0	
1,2,3-Trichloropropane	ug/l	<1.0	
1,2-Dibromo-3-chloropropane	ug/l	<1.0	
1,2-Dibromoethane	ug/l	<1.0	
1,2-Dichlorobenzene	ug/l	0.99	
1,2-Dichloropropane	ug/l	<1.0	
1,4-Dichlorobenzene	ug/l	7.4	
2-Hexanone	ug/l	<2.5	
Acrylonitrile	ug/l	<10	
Benzene	ug/l	16	
Bromochloromethane	ug/l	<1.0	
Bromodichloromethane	ug/l	<1.0	
Bromoform	ug/l	<1.0	
Bromomethane	ug/l	<1.0	
Carbon Disulfide	ug/l	<1.0	
Carbon Tetrachloride	ug/l	<1.0	
Chlorobenzene	ug/l	39	
Chloroethane	ug/l	1.3	
Chloroform	ug/l	<1.0	
Chloromethane	ug/l	<1.0	
cis-1,2-Dichloroethene	ug/l	<1.0	
cis-1,3-Dichloropropene	ug/l	<1.0	
Dibromochloromethane	ug/l	<1.0	
Dibromomethane	ug/l	<1.0	
Ethylbenzene	ug/l	18	
Iodomethane	ug/l	<5.0	
MEK (2-Butanone)	ug/l	<2.5	
Methylene Chloride	ug/l	0.83	
4 Methyl-2-pentanone	ug/l	<2.5	
Total Xylenes	ug/l	18	
Styrene	ug/l	<1.0	
Tetrachloroethene	ug/l	<1.0	
Toluene	ug/l	0.56	
trans-1,2-Dichloroethene	ug/l	<1.0	
trans-1,3-Dichloropropene	ug/l	<1.0	
Trans-1,4-Dichloro-2-butene	ug/l	<1.0	
Trichloroethene	ug/l	<1.0	
Trichlorofluoromethane	ug/l	<1.0	
Vinyl Acetate	ug/l	<1.0	
Vinyl Chloride	ug/l	<1.0	

TABLE 6 - SHALLOW UPGRADIENT GROUNDWATER - STATISTICAL ANALYSIS

Monitoring Well	Sample Date	ALK (mg/l)	Cl ⁻ (mg/l)	Hard (mg/l)	Cond (umhoes/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	20.8	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	0.52	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	162	260	0.005	252	37.2	1.5	50.2	9.73	20	0.267	2.37	10.3
MW-231S	Aug-91	154	14.6	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	296	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	260	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	16	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	164	22	173	448	0.005	232	45.8	0.5	44.2	0.626	16	0.204	1.94	18.5
MW-231S	May-94	152	24	182	408	0.005	256	36.7	16	46.5	2.32	13.8	0.18	0.84	10.4
MW-231S	Nov-94	166	24	149	361	0.005	248	44.2	0.5	52	0.41	12.6	0.16	1.52	0.4
MW-231S	March-95	166	26	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	1.6	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	2.71	6.9
MW-230S	Feb-91	144	31.8	245	400	0.005	353	51	15	89.2	16.2	15.9	0.9	1.24	6.72
MW-230S	May-91	142	30.8	216	340	0.005	329	53	1.5	72.4	2.31	11.4	0.388	2.3	6.98
MW-230S	Aug-91	144	30.2	210	490	0.005	318	51.8	10.4	62.2	12.1	11.9	0.591	2.85	6.04
MW-230S	Nov-91	176	31	204	480	0.005	284	111	0.5	64.7	10.5	13.2	0.498	1.76	6.49
MW-230S	Feb-92	164	32.2	216	464	0.005	302		6		8.2	18.6	0.472		
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	2.38	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	10.6	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	7.36
MW-230S	May-94	184	28	244	358	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

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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	186	27.7	3.46		7.94		0.244		
MW-203DA	Feb-90		11	116		0.0025	176	35.6	0.55		21.7	5.6	0.973	1	5.7
MW-203DA	Apr-90	104	9.2	261	215	0.0025	172	28.9	2.08	42	2		0.26		
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	238	36.1	8.2	42.9	2.39	5.82	0.264	1.16	4.6
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	9.6	37.5	2.27	5.74	0.281	0.71	5.53
MW-203DA	Nov-91	102	8	117	302	0.005	188	28	2	28.3	21	9.14	0.607	5.6	4.97
MW-203DA	Feb-92	126	14	84	296	0.005	188			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	3.08	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	286	0.005	184	85.1	0.5	33.9	3.15	6	0.21	0.56	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	6	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	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	266	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	2.8	5.6
MW-203DA	Dec-97	150	8.4	250	293	0.001	240	48	1	74	34	17	1.3	3.6	5.6
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

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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	398	0.02	284	97.3	3.08	76	0.799	13	0.374	2.6	15
MW-208SA	Apr-90	147	37.8	200	398	0.0025	298	41.6	2.28	76	11	13	0.68	2.6	15
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	16
MW-208SA	Feb-91	154	42.7	218	450		365	47	12.1	71	2.37	10.2	0.464	1.26	15.5
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	15.6
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	6.8	0.132	0.3	10.3
MW-208SA	Feb-92	158		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	188	46	190	566	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	81.7	3.35	13.9	0.331	1.4	19.3
MW-208SA	Dec-93	172	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	228	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	188	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	0.48	1.6	19.8
MW-208SA	Nov-95	168	44	228	389	0.005	372	74.2	6	66.8	9.46	14.3	0.62	2.05	28
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	87	16	11	0.58	2.1	17
MW-208SA	Sept-96	250	4	270	550	0.001	310	100	12	81	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	1.6	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	438	0.001	280	63	18	56	85	15	0.95	2.1	10
MW-208SA	June-98	180	7.5	180	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	142.68	23.49	199.43	371.19	0.006	254.89	47.88	5.00	58.77	12.19	12.92	0.53	2.13	9.99
Standard Deviation	= STDEV	42	13	118	102	0.014	66	20	7	32	26	10	0.9	1	5
Count	= COUNT	147	148	147	144	148	147	147	149	136	145	137	145	137	139
Confidence Interval	= CONFIDENCE (99%)	8.64	2.86	24.97	21.92	0.003	13.96	4.16	1.46	6.96	5.59	2.13	0.19	0.31	1.03
Lower Limit	MEAN-CONFIDENCE	134	21	174	349	0.003	241	44	4	52	7	11	0.3	2	9
Upper Limit ⁽¹⁾	MEAN+CONFIDENCE	152	26	224	393	0.009	269	52	6	66	18	15	0.7	2	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 1A	PZ 4	MW 3B	MW 207SA	MW 220	MW 221S	MW 222
Alkalinity	mg/l CaCO ₃	152	44.3	249	468	541	467	462	827
Chloride	mg/l	26	<5.0	<5	28	16	17	<5.0	58
Hardness	mg/l CaCO ₃	224	98	249	1330	558	693	591	825
Conductance, field	umhos/cm	393	509	648	1559	726	999	493	686
Total Phenols	mg/l	0.009	<0.0100	<0.0100	<0.0100	<0.0100	0.041	<0.0100	0.032
TDS	mg/l	269	216	280	1540	630	954	602	1010
Sulfate	mg/l	52	21	6.18	<5.00	24.9	124	34.7	47.5
TOC	mg/l	6.46	4.92	3.3	2.53	3.12	4.17	3.23	8.75
Calcium, total	ug/l	65733	32000	62700	370000	163000	192000	205000	244000
Iron, total	ug/l	17779	168	4380	57800	35900	5590	2900	53100
Magnesium, total	ug/l	15040	4390	15500	99000	36400	51700	19500	52600
Manganese, total	ug/l	719.47	408	771	7860	1390	2500	451	379
Potassium, total	ug/l	2447.34	10400	2180	12100	6160	5510	3940	7800
Sodium, total	ug/l	11019	4780	32500	19300	9990	13000	14400	75100

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 CaCO3	152	182	476	536	96.6	281	229	260
Chloride	mg/l	26	48	7.7	28	31	<5.0	<5.0	42
Hardness	mg/l CaCO3	224	295	447	569	163	353	338	415
Conductance, field	umhos/cm	393	485	904	851	675	502	544	708
Total Phenols	mg/l	0.009	<0.0100	<0.0100	<0.0100	0.021	<0.0100	<0.0100	<0.0100
TDS	mg/l	269	272	516	618	226	372	454	542
Sulfate	mg/l	52	76.2	<5.00	9.48	39.3	33.7	125	126
TOC	mg/l	6.46	1.57	4.42	7.04	1.48	3.01	2.07	2.97
Calcium, total	ug/l	65733	113000	140000	172000	50700	104000	104000	122000
Iron, total	ug/l	17779	1490	23900	14600	454	688	809	4640
Magnesium, total	ug/l	15040	3270	23600	33900	8790	22800	19000	26900
Manganese, total	ug/l	719.47	92.8	1750	3570	40.6	2010	637	1650
Potassium, total	ug/l	2447.34	2440	3400	4280	2400	1900	1290	2800
Sodium, total	ug/l	11019	12500	8710	21200	10900	3350	4750	12800

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 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		0.188		0.17		
MW-230D	Apr-90	124	1.5	90	226	0.00025	184	14.1		28	1.6	6.6	0.16	1.2	22
MW-230D	Nov-90	130	4.9	130	190	0.005	156	16	9.1	27.5	0.385	6.27	0.125	0.913	22.6
MW-230D	Feb-91	126	5	98	250	0.005	184	13.2	8.6	27.5	0.099	8.01	0.118	0.915	22.1
MW-230D	May-91	124	1.1	94	180	0.005	155	13	1.5	25.7	0.234	5.84	0.12	1.01	21.6
MW-230D	Aug-91	122	2.1	96	300	0.005	170	13.9	4.4	23.6	0.258	5.3	0.14	0.66	22.6
MW-230D	Nov-91	134	3	60.7	290	0.005	157	13	0.5	26.1	0.96	5.88	0.144	1.1	17.7
MW-230D	Feb-92	126	5.9	89.4	280	0.005	160	12.8	3	24.5	0.281	5.49	0.111	0.62	19.9
MW-230D	May-92	122	2.5	83.8	272	0.005	172	17.8	0.5						
MW-230D	Aug-92	124	4.5	76.5	258	0.005	176	55.1	0.5	22	0.291	5.24	0.115	1.48	17.7
MW-230D	Dec-92	138	1.5	72.1	290	0.005	160	43.8	0.5	20.8	0.217	4.9	0.084	0.65	22.9
MW-230D	Feb-93	132	2.5	65.3	315	0.005	180	14.5	7	18.6	0.7	4.6	0.144	1.07	23.6
MW-230D	May-93	126	1.5	78.2	226	0.005	152	48	4	22.7	0.83	5.23	0.099	1.23	25
MW-230D	Aug-93	128	3	74.9	247	0.005	148	72.5	0.5	19	0.607	6.68	0.142	0.25	28.7
MW-230D	Dec-93	120	2	86.2	262	0.005	140	47.6	2	24	0.787	6.4	0.163	1.07	23.9
MW-230D	Feb-94	126	2	82.1	282	0.005	156	38.9	0.5	23	0.858	6	0.106	0.92	22.1
MW-230D	May-94	128	1.5	77.3	245	0.005	180	18.6	16	21.2	0.6	5.93	0.12	0.79	21.9
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	0.76	22.1
MW-230D	March-95	129	2	80.8	248	0.005	164	16.7	5	22.8	0.44	5.8	0.099	0.92	21.6
MW-230D	June-95	125	3	86	252	0.005	178	21	18	24.8	0.16	5.76	0.13	1.21	19.2
MW-230D	Sept - 95	125	1.5	82.6	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	67.3	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	6.8	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	1.8	110	260	0.001	180	12	1.1	29	5.8	8.6	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	Dec-99	130	3.8	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	0.285	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	0.161	0.961	20.9
MW-230D	Jun-05	129	5	86.8	642	0.01	164	11.5	1.1	24.5	0.422	6.23	0.103	1.21	23.2

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		0.92		0.04		
MW-203VD	Nov-90	136	3.9	110	180	0.005	146	10	3	28.4	0.364	11.1	0.023	0.867	11.3
MW-203VD	Feb-91	132	2	118	240	0.019	165	11.5	10	29.4	0.13	10.6	0.024	0.915	10.9
MW-203VD	May-91	130	0	116	180	0.005	157	6.25	1.5	27.4	0.184	10.7	0.026	1.02	10.9
MW-203VD	Aug-91	128	0.5	116	290	0.005	167	9	4.5	24.8	0.928	10.6	0.038	0.75	11.2
MW-203VD	Nov-91	130	3	106	272	0.005	156	11.4	0.5	25.6	2.2	11.3	0.051	1.39	9.55
MW-203VD	Feb-92	148	3	111	268	0.005	164	7.1	3	25.7	0.699	10.9	0.023	0.69	9.94
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	196	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	16.5	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		12.2	0.048	1.19	12.7
MW-203VD	Feb-94	132	0.5	142	270	0.005	136	36.2	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	138	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	26	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	5.6	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)	Phenole (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	206.5	0.0022	172	36.9	7.41	32	0.782	7.6	0.128	1.3	16
MW-208VD	Apr-90	103	4.7	98.6	210	0.0025	158	25.1	2.48	31.8	2.4	7.16	0.17	0.962	12.3
MW-208VD	Nov-90	113	5.9	110	250	0.0025	182	28.8	7.6	31.2	0.989	6.75	0.114	0.928	11.6
MW-208VD	Feb-91	102	6	114	250	0.005	225	27.4	1.5	31.5	0.177	7.48	0.11	1.18	11.9
MW-208VD	May-91	102	3.2	112	190	0.005	180	30	10	26.3	1.61	6.7	0.155	0.75	11.2
MW-208VD	Aug-91	102	5.2	108	300	0.005	169	29.2	0.5	21.2	1.14	10.4	0.487	1.78	13.1
MW-208VD	Nov-91	110	6	98.3	278	0.005	160	28.6	3		3.72	11.3	0.42		12.7
MW-208VD	Feb-92	178	46.5		282	0.005	132	32.8	0.5	25.9	1.13	6.22	0.132	1.24	7.71
MW-208VD	May-92	100	4.5	98.9	265	0.005	172	56	0.5	22.5	6.99	7.95	0.152	2.65	11.9
MW-208VD	Aug-92	100	7.5	90.3	256	0.005	204	42	8	20.2	3.71	6.32	0.207	1.61	10.5
MW-208VD	Dec-92	114	4	89	277	0.005	200	62.2	4	28.9	1.04	5.93	0.11	0.99	11.3
MW-208VD	Feb-93	110	4.5	76.4	294	0.005	160	50.5	0.5	19.3	7.57	9.8	0.198	1.81	13.1
MW-208VD	May-93	102	4	96.6	225	0.005	164	80.7	0.5	30.4	0.277	7.2	0.141	0.79	12.2
MW-208VD	Aug-93	104	4	88.5	234	0.005	168	44.3	0.5	27.4	0.287	6.6	0.124	0.67	10.3
MW-208VD	Dec-93	100	5	106	256	0.005	148	31.1	1	27.3	1.41	6.68	0.13	0.56	10.7
MW-208VD	Feb-94	104	3	96	236	0.005	164	37.2	9	27.3	4.64	8.7	0.23	2.16	9.45
MW-208VD	May-94	100	4.5	104	264	0.005	164	33.7	6	27.6	1.37	7.6	0.17	1.36	11.8
MW-208VD	Aug-94	121	5	84.5	246	0.005	176	28.4	0.5	22.9	0.26	6.64	0.13	0.78	14.1
MW-208VD	Nov-94	114	5	100	252	0.005	172	33.7	16	28.1	0.38	6.42	0.15	1.3	8.42
MW-208VD	March-95	102	6	96	248	0.005	196	23.4	0.5	27.8	3.47	6.5	0.24	1.67	10.5
MW-208VD	June-95	101	7	104	235	0.005	192	40.5	0.5	27.3	0.17	6.6	0.14	0.87	12.1
MW-208VD	Sept - 95	100	5	95.3	235	0.005	180	55	8.5	37	1.2	7.5	0.16	1.3	12
MW-208VD	Nov-95	210	9.5	150	260	0.001	170	23	1	30	0.7	6.6	0.14	0.82	9.9
MW-208VD	April-96	130	1.9	100	271	0.0028	150	26	1.5	31	0.34	7	0.15	0.5	8.9
MW-208VD	June-96	170	0.5	110	260	0.001	200	30	0.5	26	0.38	6.6	0.14	0.5	8.6
MW-208VD	Sept-96	110	3.7	93	257	0.001	190	29	0.5	28	0.57	5.9	0.13	0.5	10
MW-208VD	Nov-96	180	5.4	94	385	0.001	180	22	0.5	33	0.28	6.1	0.13	0.5	10
MW-208VD	March-97	140	5.3	110	263	0.001	160	28	1.6	30	0.44	6.1	0.15	0.5	11
MW-208VD	June-97	140	5.5	99	260	0.001	160	36	0.5	31	0.3	7	0.15	0.5	10
MW-208VD	Sept-97	120	4.6	100	299	0.001	180	26	1.4	32	0.31	6.7	0.14	0.5	10
MW-208VD	Dec-97	140	5.6	120	325	0.001	210	26	1.2	33	0.32	7.4	0.15	0.92	9.7
MW-208VD	Mar-98	110	5.8	110	261	0.001	150	23	0.5	34	1.1	5.7	0.15	0.5	8.4
MW-208VD	June-98	120	6	110	267	0.001	168	24	3	26	1	8	0.12	1.00	15
MW-208VD	Sept-98	110	7	110	296	0.001	22	16	4	4	1	2	0.08	0.42	6
MW-208VD	Dec-98	131	4	101	260	0.004	112	111	111	104	109	105	109	104	105
Mean	= AVERAGE	131	4	101	260	0.004	112	111	111	104	109	105	109	104	105
Standard Deviation	= STDEVP	29	6	21	49	0.004	5	4	1	1	0.4	1	0.02	0.11	1
Count	= COUNT	113	113	112	109	113	5	4	1	1	0.4	1	0.02	0.11	1
Confidence Interval	= CONFIDENCE (95%)	7	1	5	12	0.001	163	20	2	25	0.8	7	0.10	0.90	13
Lower Limit	MEAN-CONFIDENCE	124	2	96	247	0.003	173	28	4	27	1.5	8	0.14	1.11	16
Upper Limit	MEAN+CONFIDENCE	138	5	106	272	0.005	173	28	4	27	1.5	8	0.14	1.11	16

(1) The upper confidence level for the average is based on the mean plus the 95% confidence interval. The 95% 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 ⁽¹⁾	MW 207D	MW 221D	MW 223D	MW 230D	MW 303 D	MW 304 D	MW 234D	MW 245D
Alkalinity	mg/l CaCO ₃	138	284	122	38.2	129	214	149	143	314
Chloride	mg/l	5	18	53	<5.0	<5.00	180	58	28	25
Hardness	mg/l CaCO ₃	106	347	193	109	86.8	197	216	204	327
Conductance, field	umhos/cm	272	809	691	718	642	684	570	493	874
Total Phenols	mg/l	0.005	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
TDS	mg/l	173	540	258	136	164	720	432	340	590
Sulfate	mg/l	28	24.9	20.7	68.6	11.5	127	61.6	71.7	165
TOC	mg/l	4	6.23	<1.00	11.9	1.1	1.74	1.31	2.69	2.45
Calcium, total	ug/l	26892	94400	46400	38500	24500	47500	58300	62600	83100
Iron, total	ug/l	1495.0	10900	470	684	422	428	1370	389	1650
Magnesium, total	ug/l	8495	27000	18700	3200	6230	19200	17100	11600	29000
Manganese, total	ug/l	137.8	2240	18.5	61.1	103	30.9	27.9	269	196
Potassium, total	ug/l	1105	8420	3030	3420	1210	8590	3350	11800	6040
Sodium, total	ug/l	16165	19800	14500	14600	23200	169000	35900	16900	76600

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	ALJ (mg/l)	NH3 (mg/l)	Cl (mg/l)	Hard (mg/l)	NO3 (mg/l)	Phosds (mg/l)	SCd+ (mg/l)	IOC (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	0.003	60.2	0.5	51.8	2.7	13.1	0.167	2.75	21.3
SW-3	Jan-92	84	0.18	31.3	113	0.27	0.005	41.6	6	11.1	1.63	8.63	0.155	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	1.06	0.005	45.6	0.5	41.6	0.501	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	0.35	9.05	0.050	1.69	17.2
SW-3	Feb-93	120	0.04	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	34.4	5	12	0.841	12.4	0.075	1.9	21.2
SW-1	Sept-93	168	0.01	56.0	169	0.93	0.005	75.2	2.0	44.2	1.61	23.6	0.087	2.68	30.0
SW-1	Dec-93	69.0	0.01	23.0	113	1.6	0.005	46.0	13.0	30.2	0.999	9.1	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	1.39	19.5
SW-3	Jun-94	140	0.01	59.0	161	0.30	0.005	25.3	0.5	42.4	0.16	13.4	0.066	1.29	20.1
SW-3	Aug-94	40	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	0.014	41.6	10	20.5	1.02	7.6	0.15	2.82	13.5
SW-3	March-95	112	0.07	15	147	0.76	0.005	22.3	5	29	0.33	11	0.051	1.12	16
SW-3	June-95	121	0.11	15	166	1.17	0.005	29.9	2	40.6	0.55	15.5	0.11	2.06	30.6
SW-3	Sept-95	126	0.16	58	173	1.26	0.005	41	12	38.4	0.86	18.8	0.086	1.92	26.7
SW-3	Dec-95	96	0.06	34	120	1.12	0.005	46	0.5	29.8	0.16	11	0.061	1.64	20.7
SW-3	Mar-96	100	0.015	39	180	0.18	0.001	28	6.1	34	0.15	11	0.041	1.7	20
SW-3	April-96	100	0.015	35	170	0.71	0.001	38	6.8	42	1.1	13	0.12	2	22
SW-3	June-96	96	0.015	22	120	0.64	0.003	29	11	31	1.1	9.4	0.08	1.8	15
SW-1	Sept-96	100	0.013	29	110	0.88	0.001	32	6.1	30	0.41	9.5	0.05	1.4	14
SW-3	Nov-96	92	0.015	40	82	0.73	0.001	24	4.9	24	0.41	5.3	0.09	1.1	12
SW-3	March-97	170	0.015	41	140	0.63	0.002	29	8.5	56	1.2	31	0.086	2	21
SW-3	Sept-97	200	0.015	29	86	0.21	0.002	17	11	35	0.27	5.6	0.049	1.5	17
SW-3	Mar-98	56	0.015	32	90	0.16	0.002	34	6.9	20	0.59	4.8	0.04	1.4	17
SW-3	June-98	53	0.015	14	65	1.1	0.001	39	5	55	1.2	1.9	0.12	2.1	8.3
SW-3	Sept-98	200	0.015	61	220	0.78	0.001	39	5	55	2	21	0.12	4.1	29
SW-3	Dec-98	150	0.015	76	190	0.91	0.001	26	3.5	51	1.2	14	0.11	9.5	23
SW-3	Jan-00	55.8	0.05	10.6	95.2	1.54	0.006	34	8.9	27.9	0.923	6.2	0.115	2.25	14.9
SW-1	March-01	72.8	0.05	19.7	101	1.12	0.002	33	5	26.8	0.696	8.29	0.044	1.41	18.4
SW-3	June-01	72.3	0.05	30.3	100	0.59	0.002	20.1	20	39.2	1.51	6.63	0.163	1.75	19
SW-1	Sept-01	171	0.05	73.8	237	0.67	0.002	44.6	5.4	60	0.92	21.2	0.135	3.4	38
SW-1	Dec-01	143	0.05	63.8	200	0.95	0.012	35	1.2	51.1	0.838	17.3	0.122	3.11	42.1
SW-3	Mar-02	92.3	0.05	77.9	156	0.724	0.002	35.8	6.4	43	0.544	11.2	0.099	1.75	40.2
SW-1	June-02	113	0.05	59.3	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-1	Dec-02	50.9	0.05	38.9	123	0.64	0.002	54	9	118	0.386	9.46	0.065	4.18	19
SW-3	Apr-04	96.4	0.05	48	118	0.5	0.002	17.4	6.4	11.9	1.19	9.2	0.118	2.11	22
SW-3	Sept-05	186	0.5	81	257	1.01	0.005	18.5	3.9	64	0.248	23.7	0.211	3.55	39.8
SW-13	Apr-99	93	0.015	13	120	0.36	0.001	23	5.2	11	0.59	10	0.06	1.5	17
SW-13	June-99	150	0.015	53	260	0.55	0.002	26	5.8	63	8.2	21	1	3.2	17
SW-13	Sept-99	91	0.015	40	200	1.2	0.001	91	11	56	1.2	11	0.15	2.6	23
SW-13	Dec-99	120	0.02	35	190	3.1	0.001	97	10	57	1.1	12	0.2	3.1	16
SW-13	Apr-00	64.9	0.117	10.8	98.4	1.82	0.002	30	7	27.2	1.26	7.4	0.058	1.75	15.1
SW-13	June-00	116	0.05	16.1	140	0.753	0.002	20	10	32.3	0.86	21.4	0.098	1.65	19.4
SW-13	Dec-00	147	0.05	12.5	132	1.17	0.002	28	12	45.4	0.557	14.3	0.095	2.51	21.8
SW-13	Mar-01	92.6	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	Mar-01	75	0.05	40.3	114	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	33.1	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	0.131	3.43	47.6
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	10.9
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	116	0.83	0.002	27.4	8	39.1	0.732	11.2	0.094	1.71	24.8
SW-13	Sept-02	159	0.05	76.5	234	1.36	0.002	66.7	5.7	62	0.791	19.2	0.118	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	0.038	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	182	0.5	83	245	1.15	0.005	38.8	5.15	60.7	0.16	22.7	0.216	5.22	37.9
Mean	= AVERAGE	112	0.07	46	149	0.91	0.004	40	7	39	1	12	0.115	2	22
Standard Deviation	= STDEV	41	0.09	17	49	0.47	0.003	18	4	12	1	5	0.126	1	8
Count	= COUNT	57	57	57	57	57	57	57	57	57	57	57	57	57	57
Confidence Interval	= CONFIDENCE (95%)	14	0.03	6	17	0.18	0.001	6	1	4	0.41	2	0.04	0.36	3
Lower Limit	MEAN-CONFIDENCE	98	0.04	40	132	0.75	0.002	34	6	35	0.68	10	0.072	1.94	19
Upper Limit	MEAN+CONFIDENCE	126	0.10	52	166	1.07	0.005	46	8	43	1.51	13.79	0.158	2.66	25
SW-5	Sept-05	193	<1.00	79	240	0.946	<0.0100	39.1	5.6	59.8	0.265	22.20	0.211	4.98	37.1
SW-8	Sept-05	189	<1.00	80	238	0.934	<0.0100	38.4	6.2	59.2	0.196	22.0	0.191	4.92	37.2

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) (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)	Bromide (mg/l)
Class GA Groundwater Quality Standards and Guidance Values																							
			250	250	6.5-8.5	0.001	250	500	2	10	0.05	2	10	10	0.5	0.05	0.2	0.05	0.05	0.05	0.05	0.05	0.05
PZ-01	Sep-87	12	170	1.5	18.2	590	370	2.9	7.6		<0.005		165	185	441	0.18	0.37	2	<5		<0.01	0.35	
PZ-01	May-88	18	190		17.4	504	240	2	7.25		0.025		154	37	477	0.12		11	<5			<0.2	
PZ-01	Aug-88	13.5	162		18	608	270	6.2	7.97		<0.005		176	25	214	0.43		42	<5			0.7	
PZ-01	Nov-88	11	169		18.4	569	308	3.9	7.06		0.031		165	12	302	0.16		16	<5			0.57	
PZ-01	Feb-89	9	164	10	21	754	314	1.5	7.32			151.5	174	18	404	0.04	<10	6	<5		<0.01	0.2	
PZ-01-A	Feb-90	10.5	171	<10	22	650	329	3.67	7.78		<0.005	-44.5	209	295	474	0.15	0.1	2	10	<0.005	<0.01		
PZ-01-A	Apr-90	11.3	184		37.8	551	352	8.41	7.17		<0.005	-17.3	164	4.2	486	0.04	0.1	25	5		<0.01	0.27	
PZ-1A	Nov-90	11	194	10	20.5	540	360	7.6	7.6	7.04	<0.05	85.1	175	22	528	<0.1	<0.1	3.7	<5	<0.004	0.009	<0.5	
PZ-1A	Feb-91	11	184	<0.5	22.8	760	360	<3	7.5	7.8	<0.010	-16.7	186	18	512	0.05	<0.04						
PZ-1A	May-91	11	176	6.4	19.1	550	352	<3.0	7.7	7.31	<0.010	188.7	192	11	521	0.1	0.21						
PZ-1A	Aug-91	13	178	3.7	21.9	830	340	<3.0	7.6	7.36	<0.010	250.4	148	50	603	0.07	0.06						
PZ-1A	Nov-91	12	176	4.5	19	771	316	4	7.58		<0.010	158	153	6.7	540	0.12	0.12						
PZ-1A	Feb-92	10	152	5.3	20.8	795	348	<1.0	7.42		<0.010	289.9	177	27	504	0.23	0.31	1.6	<5	<0.010	<0.004	<0.5	
PZ-1A	May-92	12	186	<1.0	24	741	320	<1.0		7.2	<0.010	127.1	195	25	612	0.1	<0.02	2.6	15	0.016	<0.004	0.05	
PZ-1A	Aug-92	12	198	2	21.5	726	298	10	7.08	7.08	<0.010	139	196	40	592	<0.04	<0.02						
PZ-1A	Dec-92	11	192	<1.0	15.5	811	308	<1.0	7.21	7.21	<0.010	182	188	36.5	564	0.08	0.07						
PZ-1A	Feb-93	10	178	11.4	16.5	412	254	11	7.59		<0.010	138	207	41	532	0.05	0.12						
PZ-1A	May-93	11.5	184	<1.0	16.5	470	323	7		7.46	<0.010	203.5	217	16	540	0.07	0.13	0.4	<4	<0.004	<0.004	<0.5	
PZ-1A	Aug-93	15	180	18.5	17	581	358	<1.0			<0.010	131.3	208	13	524	<0.02	0.03						
PZ-1A	Dec-93	10.5	176	12.7	16	710	355	6	7.1	7.1	<0.010	176.4	220	49	548	<0.02	0.06	<2.0				<0.5	0.87
PZ-1A	Feb-94	10.5	188	<1.0	16	767	328	14	7.06	7.06	<0.010	126.3	214	58	460	<0.02	0.09	<2.0				<0.50	0.84
PZ-1A	May-94	12.5	180	<1.0	14.5	594	331	15	7.56	7.56	<0.010	84.1	216	21	473	0.05	0.04	<2.0				<0.5	1.66
PZ-1A	Aug-94	13	184	<5.0	16	720	445	5	7.14	7.14	<0.010	116.8	230	28	564	0.14	0.51	<2.0				<0.5	3.05
PZ-1A	Nov-94	11.5	190	<5.0	16	583	246	25	7.72	7.72	<0.010	130.4	209	5.4	552	0.1	0.08	<2.0				<0.5	<0.2
PZ-1A	March-95	10.5	182	<5.0	16	494	328	37	7.21	7.21	<0.010	117	224	21	512	0.3	0.14	<2				<0.5	<0.2
PZ-1A	June-95	12.5	182	9.3	16	478	318	1	7.2	7.2	<0.010	25.7	179	24	540	0.3	0.09	<2				<0.5	<0.2
PZ-1A	Sept - 95	12	181	16.7	17	420	333	24	7.42	7.42	<0.010	70.2	207	27	568	0.15	<0.05	<2				<0.5	<0.2
PZ-1A	Nov-95	9	180	20.4	16	435	288	<1	7.52	7.52	<0.010	1	197	28	540	<0.02	<0.05	<2				<0.5	0.3
PZ-1A	April-96	9.8	200	14	8.6	750	420	1.1	7.9	7.9	<0.002	190	56	220	520	0.05	0.1	<4				0.33	3.1
PZ-1A	June-96	11.6	210	30	11	720	390	<1	7.7	7.7	<0.002	625	180	66	550	<0.03	0.063	<4				0.91	<2
PZ-1A	Sept-96	12.7	170	1	10	700	330	1.6	7.5	7.5	<0.002	157	340	58	560	0.033	0.022	<4				0.37	<2
PZ-1A	Nov-96	12	180	13	15	659	290	1.1	7.58	7.58	0.0047	195	340	21	260	<0.03	0.047	<4				0.22	<2
PZ-1A	March-97	9.8	170	6.4	15	718	310	1	7.5	7.5	<0.002	160	180	125	500	<0.03	0.086	<4				0.18	<2
PZ-1A	June-97	11.2	210	<2	16	681	350	1.8	7.59	7.59	0.004	180	190	<1	550	<0.03	0.08	<4				0.38	<2
PZ-1A	Sept-97	12.2	260	<1	16	690	330	1.2	7.9	7.9	<0.002	180	170	20	590	<0.03	0.2	10				0.53	<2
PZ-1A	Dec-97	11.2	190	14	14	774	310	1.2	7.95	7.95	<0.002	140	280	41	420	<0.03	0.19	<4				0.14	<2
PZ-1A	Mar-98	10.5	300	<1	15	750	330	1.3	8.37	8.37	<0.002	355	200	352	530	<0.03	0.13	<4				0.21	<2
PZ-1A	June-98	12.3	220	<3	14	757	330	1.2	7.85	7.85	<0.002	45	200	83	500	0.065	0.061	<4				0.6	<1
PZ-1A	Sept-98	Location Not Sampled																					
PZ-1A	Dec-98	11.4	210	5.9	23	734	530	1.3	7.6	7.6	<0.002	1.2	170	57	510	<0.03	0.15	9.5				0.73	<1
PZ-1A	Apr-99	11.4	190	9.5	18	774	370	<1	7.84	7.84	<0.002	195	190	93	540	<0.03	0.12	<4				0.74	<0.1
PZ-1A	June-99	11.5	190	56	17	770	450	1.3	7.3	7.3	<0.002	235	180	203	500	0.13	0.082	<4				0.72	<0.1
PZ-1A	Sept-99	13.9	200	3.9	18	776	400	1.4	7.45	7.45	<0.002	190	180	164	520	<0.03	<0.02	4.4				0.32	0.19
PZ-1A	Dec-99	11	200	9.9	18	782	390	<1	8.35	8.35	<0.002	155	180	155	520	0.032	0.021	<4				0.36	0.13
PZ-1A	Apr-00	9	205	12.5	18.8	750	371	<1	7.71	7.71	0.007	-33	140	15	512	0.126	0.087	<3				<1	<1
PZ-1A	Jun-00	13.3	200	<10	18.4	590	356	<1	7.76	7.76	<0.004	-196	160	3.89	501	<0.1	<0.05	<3				<1	<1
PZ-1A	Sept-00	12.1	199	<10	18.8	774	386	<1	7.81	7.81	<0.004	57	250	2.2	478	<0.1	<0.05	<3				1.41	<1
PZ-1A	Dec-00	10.1	203	<10	17.9	762	376	<1	7.58	7.58	<0.004	90	170	5.81	479	<0.1	<0.05	<3				1.67	<1
PZ-1A	Mar-01	11.5	204	U	19	779	374	<1	7.62	7.62	<0.004	-6	190	7.1	517	<0.1	0.055	<3				1.07	<1
PZ-1A	Jun-01	12.6	227	<10	20.1	780	370	<1	7.71	7.71	<0.004	21	215	3.3	527	<0.1	<0.1	<3				<1	<1
PZ-1A	Sept-01	11.7	267	<10	18.2	777	381	<1	7.83	7.83	<0.004	68	202	0.33	517	0.102	<0.1	<3				<1	<1
PZ-1A	Dec-01	10.8	195	<10	18.4	774	367	<1	7.48	7.48	<0.004	85	192	5.99	512	<0.1	<0.1	<3				1.38	<1
PZ-1A	Mar-02	10.8	198	<10	18.7	743	372	<1	7.69	7.69	<0.004	16	205	1	519	<0.1	<0.1	<3				<1	<1
PZ-1A	June-02	12.2	209	<10	18.8	745	371	<1	7.6	7.6	<0.004	49	190	2.1	519	<0.1	<0.1	<3				1.2	<1
PZ-1A	Sept-02	12.4	206	<10	19.7	753	380	<1	7.83	7.83	<0.004	-100.5	191	2.1	583	<0.1	<0.1	<3				<1	<1
PZ-1A	Dec-02	8	204	<10	19.3	756	373	<1	7.8	7.8	<0.004	4.5	192	2.1	583	<0.1	<0.1	<3				1.21	<1
PZ-1A	Apr-04	11.2	194	<10	21	736	367	<1	7.92	7.92	<0.004	269	183	4.4	513	0.102	<0.1	<3				<1	<1
PZ-1A	June-05	16.6	44.3	<10.0	<5.0	509	98	4.92	7.53	7.53	<0.0100	1.06	21	50	216	1.4	10.9	<4.00				<1.00	<1.00

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) (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)	Bromide (mg/l)
Class GA Groundwater Quality Standards and Guidance Values																							
PZ-04	Sep-87	13	380	5	9.98	1225	740	2.7	7.21		0.007		450	210	996	0.25	0.17	9	<5	0.2	<0.01	0.32	
PZ-04	May-88	15	300		12.2	853	690	2.6	7.34		0.033		370	35	841	0.3		11	<5			0.37	
PZ-04	Aug-88	13	351		7.8	1211	712	1.35	7.26		<0.005		448	26	424	0.19		10	<5			0.5	
PZ-04	Nov-88	9.5	347		10.4	1028	756	6.34	7.03		0.028		419	26	506	0.25		38	<5			0.57	
PZ-04	Feb-89	9	337	16.7	9	1293	708	3.05	7.68		<0.005	101	438	40	834	0.24	<.1	3	<5	<0.01		0.58	
PZ-04	Apr-89	13.5	256		10	929.5	614	2.96	7.36		<0.005	13	432	18	426	0.1		18	10			0.54	
PZ-04	Jun-89	14	289		7.1	954.5	631	8.12	7.49		0.009		517	44	1120	0.1		39	15			0.5	
PZ-04	Feb-90	10	327	10	8.5	832	729	1.62	6.98		<0.005	-1.15	440	151	982	0.18	<0.1	3	<5	<0.005	<0.01	0.65	
PZ-04	Feb-90	11.3	216		8.3	957	570	1.3	6.29		<0.005	30	78.6	15	935	0.25		69	10			<0.5	
PZ-04	Nov-90	10	357	21	7.8	840	740	14	7.4	6.91	<0.05	43.2	340	130	999	0.11	<0.1	4.4	<5	0.017			
PZ-04	Feb-91	13	336	<1.0	11.9	1100	730	15.5	7.2	7.46	<0.010	65.3	395	200	958	0.16	<0.04						
PZ-04	May-91	11	336	10.4	5.3	740	690	<3.0	7.3	6.9	<0.010	199.1	401	1200	518	0.21	0.08						
PZ-04	Aug-91	14	320	13	43.1	1385	640	4.7	7.2	6.98	<0.010		360	350	1014	0.18	<0.04						
PZ-4	Nov-91	12	340	5.6	7	1262	615	2	7.21		<0.010	179.3	365	38	1136	0.24	0.04	0.6	<5	<0.010	<0.004	<0.5	
PZ-4	Feb-92	11	336	4.9	8.9	1261	706	3	6.75		<0.010	212.3	355	63	908	0.27	0.22						
PZ-4	May-92	12	322	8.6	10	1146	629	<1.0	7.06		<0.010	235.4	354	81	980	0.12	<0.02						
PZ-4	Aug-92	12	322	16	11	1078	573	<1.0	6.83		<0.010	148.9	389	65	996	0.25	0.11						
PZ-4	Dec-92	10.5	346	3	7	1261	558	<1.0	6.65		<0.010	194.7	376	82	932	0.17	<0.02						
PZ-4	Feb-93	9.5	342	54	8.5	1016	569	38	7.22		<0.010	166.8	392	168	908	0.16	<0.02						
PZ-4	May-93	12.5	342	<1.0	7	565	585	2			<0.010	109.7	355	63	900	0.16	<0.02	0.2	<5	<0.004	<0.004	<0.5	
PZ-4	Aug-93	14.5	342	10.7	10	797	626	<1.0	7.01		<0.010	80	145	83	896	0.07	<0.02						
PZ-4	Dec-93	10.5	344	7.8	10	1051	642	6	6.94		<0.010	152.6	376	57	888	0.13	<0.05	<2.0				<0.5	0.8
PZ-4	34366	11	334	<1.0	10	1220	625	38	7.07		<0.010	161.6	330	63	776	0.09	<0.05	<2.0				<0.5	0.92
PZ-4	Jun-94	13.5	324	<1.0	8	843	598	<1	6.93		<0.010	262.7	355	68	888	0.058	0.4	<2.0	5	<0.004	0.004	<0.5	1.84
PZ-4	Aug-94	13.5	344	8.9	10.5	1082	638	4	6.79		<0.010	130.6	426	38	888	0.25	0.4	<2.0				<0.5	1.28
PZ-4	Nov-94	11.5	400	<5.0	12	809	502	15	7.26		<0.010	127.8	303	27	896	0.74	0.26	<2				<0.5	<0.2
PZ-4	March-95	10.5	343	5	12	595	607	17	7.08		<0.010	130.6	386	27	896	0.54	<0.05	<2				<0.5	0.5
PZ-4	June-95	12.5	335	<5.0	13	584	580	<1	7.05		<0.010	19.6	307	65	892	0.31	0.14	<2				<0.5	0.5
PZ-4	Sept.-95	11.5	342	<5.0	11	506	591	6	7.1		<0.010	-2.7	357	42	944	0.04	0.07	<2				<0.5	<0.2
PZ-4	Nov-95	9.5	340	<5.0	11	456	596	<1	7.36		<0.010	15.5	304	61	888	0.04	0.056	<2				<0.5	<0.2
PZ-4	April-96	9.4	300	32	9.5	1230	810	3.6	7.9		<0.002	190	330	>900	740	0.11	0.07	4	<0.01	<0.01	<0.01	0.72	3
PZ-4	June-96	12.3	320	280	<5	1120	390	<1	7.4		<0.002	290	510	>900	810	0.11	0.056	<4				4.6	<2
PZ-4	Sept-96	12.2	350	30	6	1200	610	3.7	7		<0.002	126	650	74	850	0.099	<0.02	<4				0.39	<2
PZ-4	Nov-96	10.7	360	<1	10	1180	450	1.4	7.43		<0.002	145	550	120	760	0.073	0.043	<4				0.82	<2
PZ-4	March-97	10.3	370	26	12	1200	610	<1	7.2		<0.002	125	480	643	780	0.076	<0.02	<4				0.59	<2
PZ-4	June-97	11.6	1100	15	12	1110	690	<1	7.31		0.014	215	370	>999	870	0.089	<0.02	<4				0.55	<2
PZ-4	Sept-97	12.8	410	30	16	1100	630	1.2	7.4		<0.002	160	250	780	930	0.12	0.052	<4				0.58	<2
PZ-4	Dec-97	10.9	710	11	12	1170	590	1.5	7.69		<0.002	85	360	>999	860	0.71	<0.02	13				0.39	<2
PZ-4	Mar-98	10.3	440	19	15	1110	2600	1.7	7.78		<0.002	340	320	224	6800	0.26	<0.02	<4				5.4	3
PZ-4	June-98	13.1	410	9.9	16	1070	900	1.3	7.32		<0.002	20	270	>999	770	0.085	0.027	<4				0.55	<1
PZ-4	Sept-98	13	370	3.4	13	1040	900	1.4	6.9		<0.002	40	270	444	790	0.09	<0.02	<4				0.35	<1
PZ-4	Dec-98	10.9	380	6.4	19	1030	900	1.2	7.08		<0.002	150	230	71	760	0.065	<0.02	9.8				0.29	<1
PZ-4	Apr-99	11.9	340	35	13	1060	2000	1.5	7.4		<0.002	185	270	545	760	0.18	<0.02	<4				1.1	<0.1
PZ-4	June-99	12	350	6.6	12	1070	2000	1.2	7.05		<0.002	180	260	449	760	<0.03	<0.02	<4				0.45	<0.1
PZ-4	Sept-99	12.7	370	6	20	1110	600	1.3	7.27		<0.002	155	240	420	790	<0.03	<0.02	<4				0.42	0.2
PZ-4	Dec-99	10.7	370	27	20	1160	660	<1	8.87		<0.002	240	240	571	760	0.065	<0.02	<4	1	<0.01	<0.03	0.51	0.16
PZ-4	Apr-00	9.1	336	<10	16.6	1040	579	1.2	7.46		0.005	-28	220	19	761	<0.1	0.191	<3	20	<0.01	<0.01	<1	<1
PZ-4	Jun-00	13.8	348	<10	21.6	850	618	1	7.64		<0.004	-73	240	14.8	767	0.118	<0.05	<3				<1	<1
PZ-4	Dec-00	12.7	374	<10	34.1	1145	647	1.4	7.31		0.0065		170	18	776	0.386	0.069	<3				<1	<1
PZ-4	Dec-00	10.2	198	<10	20.8	1077	325	3.3	6.56		<0.004	81	140	5.7	711	0.146	0.274	<3				<1	<1
PZ-4	Mar-01	11.8	396	U.	32.2	1145	1010	1.5	7.28		<0.004	2	220	415	774	0.19	<0.05	<3				<1	<1
PZ-4	Jun-01	13.4	389	<10	35.1	1145	1000	1.1	7.24		<0.004	-29	2500	>1100	773	0.163	<0.1	<3				3.03	<1
PZ-4	Sept-01	13.7	392	<10	34.1	1127	936	1.1	7.41		<0.004	27	230	89.6	772	0.157	<0.1	<3				1.18	<1
PZ-4	Dec-01	11.5	393	<10	38.4	1151	850	1.1	6.9		<0.004	23	226	32.4	762	0.184	<0.1	<3				<1	<1
PZ-4	Mar-02	11.2	413	<10	36.2	1113	872	<1	7.3		<0.004	16	232	306	780	0.199	<0.1	<3				<1	<1
PZ-4	Jun-02	13.2	393	<10	32.3	1108	712	<1	7.06		<0.004	53	214	231	790	0.19	<0.1	<3				<1	<1
PZ-4	Sept-02	13.7	394	<10	35	1123	661	<1	7.15		<0.004	-29.2	219	290	855	0.162	<0.1	<3				<1	<1
PZ-4	Dec-02	10	397	<10	34.3	1365	729	<1	7.3		0.0054	5.9	216	450	868	0.177	<0.1	<3				<1	<1
PZ-4	Apr-04	12.4	397	19	34.9	1169	671	1.3	7.47		<0.004	217	207	284	787	0.152	<0.1	<3				<1	<1
PZ-4	June-05	17.4	249	17.5	<5.0	648	249	3.3	7.6		<0.0100	129	6.18	47	280	<1.00	0.32	<4.00				<1.00	<1.00

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) (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)	Bromide (mg/l)
Class GA Groundwater Quality Standards and Guidance Values																							
PZ-11	Sep-87	12	390	5	14.1	900	550	18.5	7.11	6.5-8.5	0.001		220	15	652	0.1	<.1	2	<5	0.2	<0.01	0.24	
PZ-11	May-88	14	265		14.8	554	380	7.6	7.04		0.008		127	350	495	0.16		25	<5			0.5	
PZ-11	Aug-88	13	335		17.7	582	422	<0.1	7.12		0.016		156	340	262	0.2		66	<5			2.9	
PZ-11	Nov-88	8	295		20.8	629	450	5.14	7.22		<0.005		206	10	352	0.13		27	<5			0.71	
PZ-11	Feb-89	9	258	108	25	545	453	5.15	6.85		<0.005	-19	144	265	433	0.13	<.1	6	<5		<0.01	1.54	
PZ-11	Apr-89	133	200		19.8	513	358	9.92	7.5		0.006	-472.5	153	200	293	0.09		25	15			0.4	
PZ-11	Jan-89	12	210		20	569	362	9.14	7.45		0.028		214	120	657	0.09		42	35			0.45	
PZ-11	Nov-89	13.5	264		19.8	552	435	7.25	7.34		0.014		142	58	543	0.12		21	<5			0.42	
PZ-11	Feb-90	19.8	249	34.7	20.7	715	411	15.1	7.32		<0.005	-21.65	181	98	507	0.18	0.32	15	10	<0.005	<0.01	0.67	
PZ-11	Apr-90	12.05	226		15.9	562	360	4.15	7.02		<0.005	-23.6	151	52	517	0.06	<0.2	5	10	<0.004	<0.004	0.5	
PZ-11	Nov-90	12	347	21	17.9	770	480	4.15	7.3	7.21	<0.010	9.8	173	19	645	<1.0	<0.04	2.9	5				
PZ-11	Feb-91	10	252	25.2	16.9	810	400	46	6.9	7.74	<0.010	142.3	165	180	486	0.22	0.28						
PZ-11	May-91	11	264	16.6	15.7	510	350	9.3	6.9	6.69	<0.010	200.2	103	815	464	0.14	0.43						
PZ-11	Aug-91	13	196	32.2	18.3	655	300	12.8	7.4	7.73	<0.010	96.3	134	570	544	0.12	0.06						
PZ-11	Nov-91	11	276	23.5	15	796	364	4	7.29	7.29	<0.010	126.6	85	160	436	0.23	0.06	0.9	<5	<0.010	<0.004	<0.5	
PZ-11	Feb-92	11	242	14.7	14.9	766	343	2	7.08		<0.010	100.5	137	52	428	0.21	<0.02						
PZ-11	May-92	12	173	15	11	642	306	<1.0		7.13	<0.010	205.1	143	64	392	0.08	0.02						
PZ-11	Aug-92	12	312	5	13.5	430	316	<1.0	6.9	6.9	<0.010	263.2	114	32.5	620	0.23	0.02						
PZ-11	Dec-92	10	294	8.9	12.5	892	354	<1.0	7.14	7.14	<0.010	181	159	58	556	0.13	0.1						
PZ-11	Feb-93	10	232	16.7	19	702	247	24	7.25	7.25	<0.010	120.6	101	120	412	0.1	<0.02	0.2	<5	<0.004	<0.004	<0.5	
PZ-11	May-93	11.5	256	<1.0	18	452	330	4	7.21		<0.010	175.7	94.4	30	528	0.11	<0.02						
PZ-11	Aug-93	14	340	22.4	18	653	463	<1.0		6.81	<0.010	35.2	105	19.5	660	0.06	<0.02						
PZ-11	Dec-93	9.5	328	15.7	19	809	461	8	7.08	<0.010	158.6	167	109.1	25	660	0.13	<0.05	<2.0					
PZ-11	34366	10.5	224	9.6	19	725	319	26	7.09	<0.010	109.1	101	101	45	404	<0.02	<0.05						
PZ-11	May-94	13	288	5.4	12	637	390	26	7.15	<0.010	83.2	152	152	15	520	0.14	<0.05						
PZ-11	Aug-94	13.5	352	13.3	19	921	513	5	6.77	<0.010	103.3	170	170	10.6	664	0.2	0.76	2.8	25	<0.004	0.02	<0.5	0.73
PZ-11	Nov-94	11	343	28.6	17	660	353	38	7.14	<0.010	115.5	166	166	20	600	0.15	0.43	<2.0					0.94
PZ-11	March-95	10.5	295	10	15	512	436	7	7.09	<0.010	132.9	162	162	7.2	600	0.56	0.67	<2					2.16
PZ-11	June-95	12	339	18.6	17	510	437	<1	7.01	<0.010	-2.5	148	148	14.8	644	0.47	0.06	<2					3.42
PZ-11	Sept. - 95	10.5	272	12.5	15	425	420	<1	7.11	<0.010	-28.3	167	167	20	628	0.18	<0.05	<2					<0.2
PZ-11	Nov-95	8.5	356	16.3	18	431	428	<1	7.29	<0.010	-30.5	165	165	17	632	<0.02	<0.05	<2					<0.5
PZ-11	April-96	10	280	21	14	758	560	3	7.5	<0.002	165	130	130	40	560	0.063	<0.02	<4					0.3
PZ-11	June-96	11	230	12	11	1020	530	2.4	8.5	<0.002	150	140	140	<1	700	<0.03	<0.02	<4					3.6
PZ-11	Sept-96	10.8	420	10	9	1100	500	1.9	7	<0.002	148	560	560	65	760	<0.03	<0.02	<4					<2
PZ-11	Nov-96	11.3	380	<1	15	970	360	4.1	7.12	<0.002	125	530	530	15	640	<0.03	0.048	8.5	10	<0.01	<0.01	0.45	<2
PZ-11	March-97	9.9	430	13	15	1080	480	3	7.1	0.0036	65	160	160	41	660	<0.03	<0.02	<4					<2
PZ-11	June-97	11.8	480	<1	15	1060	580	3.6	6.94	<0.002	115	130	130	<1	750	<0.03	<0.02	<4					3.6
PZ-11	Sept-97	11.8	480	7	16	900	480	3.4	7.2	<0.002	125	140	140	32	760	0.064	0.05	<4					<2
PZ-11	Dec-97	10.6	320	11	14	910	390	3.5	7.52	<0.002	115	170	170	56	500	0.073	<0.02	<4					<2
PZ-11	Mar-98	10.9	370	4.3	17	1000	500	2.7	7.67	<0.002	230	180	180	61	660	<0.03	<0.02	<4					<2
PZ-11	June-98	13.1	550	7.4	14	1090	560	3.5	7.21	<0.002	-35	170	170	52	700	0.086	<0.02	<4					<2
PZ-11	Sept-98	12.8	490	18	13	1140	640	3.2	6.67	<0.002	-85	220	220	71	840	<0.03	<0.02	9.1	20	<0.01	<0.01	0.48	<2
PZ-11	Dec-98	10.9	400	15	6.3	940	790	3.3	7.29	<0.002	80	120	120	97	720	<0.03	<0.02	9.6					<2
PZ-11	Apr-99	11.6	450	19	18	1070	580	5.2	8.09	<0.002	30	150	150	91	750	<0.03	<0.02	<4					<1
PZ-11	June-99	11.4	300	10	15	960	600	3.1	7.65	<0.002	100	190	190	119	640	0.046	<0.02	<4					<0.1
PZ-11	Sept-99	12.8	360	12	10	921	520	4	7.36	0.0022	165	160	160	921	650	<0.03	<0.02	<4					<0.1
PZ-11	Dec-99	11.2	280	14	18	829	460	2.9	8.28	<0.002	165	140	140	71	520	<0.03	0.025	<4					<0.1
PZ-11	Apr-00	10	355	16.9	23.6	975	514	4.1	7.36	0.007	-78	150	150	9.6	686	0.164	0.203	<3	5	<0.01	<0.03	0.5	0.11
PZ-11	Jun-00	11.4	367	<10	23.7	860	619	3.3	7.31	<0.004	-84	220	220	10.77	795	0.106	<0.05	<3	75	<0.01	<0.01	<1	<0.1
PZ-11	Sept-00	12.5	311	27.7	23.4	1038	547	3.5	7.34	<0.004	-17	190	190	9.9	839	0.109	0.051	<3					<1
PZ-11	Dec-00	9.7	322	20.3	21.2	997	517	3.8	7.28	<0.004	50	240	240	12.6	653	0.114	0.326	<3					<1
PZ-11	Mar-01	10.8	316	U	23.9	980	458	4.6	7.29	<0.004	12	220	220	4.9	658	<.03	0.103	<3					<1
PZ-11	Jun-01	12.8	366	10.6	27.5	1104	476	3.3	7.13	<0.004	167	18	18	778	718	<0.1	<0.1	<3	50	<0.01	<0.01	<1	<1
PZ-11	Sept-01	12.8	365	<10	24.1	1069	555	3	7.16	<0.004	-15	232	232	9.43	728	0.216	<0.1	<3					<1
PZ-11	Dec-01	10.7	287	11.2	16.4	964	505	2.7	7.33	<0.004	28	147	147	14.4	667	0.106	<0.1	<3					<1
PZ-11	Mar-02	10.4	302	<10	23.4	703	433	3.6	7.18	<0.004	6	148	148	17.6	518	<0.1	<0.1	<3					<1
PZ-11	Jun-02	12.9	184	<10	29.6	602	303	4.3	7.61	<0.004	64	113	113	40.9	383	<0.1	<0.1	<3					<1
PZ-11	Sept-02	13.4	189	<10	29.5	712	380	3.2	6.77	<0.004	137.3	139	139	45	562	0.217	<0.1	<3			<0.01	<0.01	<1
PZ-11	Dec-02	9.6	182	13.1	39.4	684	344	56	7.42	0.0118	1.9	137	137	12	551	<0.1	<0.1	<3					<1
PZ-11	Apr-04	11.1	460	14	34.8	1179	369	4.1	7.26	<0.004	216	142	142	11.2	704	<0.10	0.14	4			<0.01	<0.01	<1
PZ-11	Jun-05																						
Sampling Location Dry																							

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) (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)	Bromide (mg/l)
Class GA Groundwater Quality Standards and Guidance Values																							
MW-3B	Nov-89	12.6	339	10	28.6	773.5	567	2.68	7.26		0.008	-24.2	199	105	677	0.11	<0.10	7	<5	<0.005	<0.01		
MW-3B	Feb-90		299		19		513	8.4		<0.005			287	18.7	640	0.17		8	<5			25	
MW-3B	Apr-90	11.95	218		26.9	368	343	4.81	6.21		<0.005	33.25	143	8	639	<0.04		5	10		0.004		0.25
MW-3B	Nov-90	10	420	96	34.2	830	600	20	7.3	6.98	<0.05	81.2	158	60	735	0.11	<0.04	8.4				<0.5	
MW-3B	Feb-91	10	258	<1.0	17.9	950	400	6.6	7.3	7.48	<0.010	-11.8	125	25	524	0.09	<0.04						
MW-3B	May-91	12	222	5.1	13.8	640	326	<3.0	7.4	7.11	<0.010	133.9	135	63	488	0.11	0.58						
MW-3B	Aug-91	13	228	6.2	17.2	865	64	2.2	7.4	7	<0.010	273	122	38	542	0.07	<0.04						
MW-3B	Nov-91	13	244	5.6	16	906	331	4		7.25	<0.010	100.7	100	8.5	516	0.14	<0.04						
MW-3B	Feb-92	11	324	26.4	24.8	1120	439	4	6.64		<0.010	112.7	151	46	560	0.16	0.17	1	<5	<0.010	<0.004	<0.5	
MW-3B	May-92	13	250	14.4	22	1049	528	<1.0		7.02	<0.010	198.2	126	33	488	<0.04	<0.02						
MW-3B	Aug-92	12	330	1.5	36	844	328	<1.0		6.79	<0.010	181.4	141	10.6	688	<0.04	0.17						
MW-3B	Dec-92	9.5	308	4	23	1032	379	<1.0		6.75	<0.010	160	155	48.5	600	0.07	<0.02						
MW-3B	Feb-93	10	300	2.6	26.5	931	326	21		7.11	<0.010	146.8	164	35	564	0.04	<0.02						
MW-3B	Jun-93	12.5	256	<1.0	25	458	335	7	7.07		<0.010	105.8	136	8.9	520	0.1	<0.02	1.2	<5	0.006	<0.004	<0.5	
MW-3B	Aug-93	14.5	368	<1.0	43	759	280	<1.0		6.89	<0.010	26.5	131	26.5	668	0.08	<0.02						
MW-3B	Dec-93	10.5	352	2.9	40	902	446	10		7.03	<0.010	168.4	128	16	700	0.07	<0.05	<2.0				<0.5	0.94
MW-3B	34366	10.5	504	6.7	67	1270	576	61		7.07	<0.010	290.4	102	2.3	520	<0.02	0.02	<2.0				<0.50	0.95
MW-3B	Jun-94	14	260	<1.0	26	621	510	<1		6.83	<0.010	136.1	163	19.4	752	0.12	0.15	<2.0				<0.5	1.64
MW-3B	Aug-94	13	368	13.3	43	1075	582	5		7.3	<0.010	123.4	119	8.2	568	0.16	0.07	<2.0				<0.5	3.5
MW-3B	Nov-94	11.5	307	9.5	34	623	2300	16		7.06	<0.010	144.8	122	9.5	632	0.27	0.16	<2				<0.5	<0.2
MW-3B	March-95	10.5	299	10	42	531	405	36		7.02	<0.010	-30.6	104	7.4	504	0.32	<0.05	<2				<0.5	<0.2
MW-3B	June-95	11.5	258	9.3	30	565	336	7		6.93	<0.010	-31.7	122	5.9	580	0.28	<0.05	<2				<0.5	0.8
MW-3B	Sept. - 95		278	12.5	34	521	379	6		7.22	<0.010	-25	139	23	688	<0.02	<0.05	<2				<0.5	0.5
MW-3B	Nov-95	9	360	16.3	46	470	432	<1		8.3	<0.002	135	53	72	260	<0.03	0.37	<4				0.28	0.5
MW-3B	April-96	9.9	170	26	19	490	280	1.9		7.7	<0.002	195	92	23	570	<0.03	<0.02	<4				1.3	<2
MW-3B	June-96	12.3	330	14	30	795	440	1.5		7.7	<0.002	104	300	54	660	<0.03	<0.02	<4				0.24	<2
MW-3B	Sept-96	11.2	420	2.8	34	1400	400	4.3		7.26	<0.002	110	340	21	560	<0.03	0.036	<4				0.63	<2
MW-3B	Nov-96	10.7	300	<1	36	929	270	2.4		7.4	<0.002	20	110	38	530	<0.03	<0.02	<4				0.29	<2
MW-3B	March-97	10.5	330	15	36	920	320	2.8		7.17	0.0028	215	98	<1	630	<0.03	<0.02	<4				0.95	<2
MW-3B	June-97	13	380	15	43	970	360	2.5		7.2	0.0029	110	75	19	570	0.035	0.033	<4				0.55	<2
MW-3B	Sept-97	12.8	280	1	38	730	340	2.4		7.8	<0.002	40	120	40	570	0.11	<0.02	<4				0.27	<2
MW-3B	Dec-97	10.5	600	<1	49	960	360	2.7		7.68	<0.002	200	130	45	690	<0.03	<0.02	<4				0.3	<2
MW-3B	Mar-98	10.8	490	2.2	74	1290	450	3.5															
MW-3B	June-98	Sample Location Inaccessible																					
MW-3B	Sept-98	Location Not Sampled																					
MW-3B	Dec-98	10.9	310	27	55	808	570	2.7	7.9	<0.002		140	51	63	520	<0.03	<0.02	9.1				0.4	<1
MW-3B	Apr-99	11.9	330	12	68	980	440	3	7.84	<0.002		120	96	60	620	<0.03	<0.02	<4				0.88	0.55
MW-3B	June-99	Location Not Sampled																					
MW-3B	Sept-99	Location Not Sampled																					
MW-3B	Dec-99	11.2	400	13	77	1070	520	3.6	8.85	<0.002		255	85	60	560	<0.03	<0.02	<4				0.81	0.55
MW-3B	Apr-00	10.4	383	<10	72	1075	346	4.2	7.3	0.008		-36	87	9.8	671	0.152	0.403	<3				<1	<1
MW-3B	Jun-00	14.1	536	<10	123	1050	599	5.1	7.23	0.011		-193	77	2.08	842	<0.1	<0.05	<3				2.09	<1
MW-3B	Sept-00	13.2	527	<10	121	1356	598	5.7	7.05	0.0042		-2	59	0.95	830	<0.1	<0.05	<3				3.14	<1
MW-3B	Dec-00	10	561	18.5	122	1387	612	4	7.07	<0.004		82	55	2.5	831	0.12	<0.05	<3				1.51	<1
MW-3B	Mar-01	13	555	U	127	1413	596	5.8	7.3	<0.004		-43	52	4	826	<0.1	<0.06	<3				<1	<1
MW-3B	Jun-01	13.9	541	14.9	40.7	1432	602	5.2	7.01	<0.004		-36	56.9	4.7	830	0.116	<0.1	<3				1.68	<1
MW-3B	Sept-01	12.8	526	<10	119	1393	605	5.4	7.06	<0.004		-10	58	0.46	808	0.154	<0.1	<3				1.35	<1
MW-3B	Dec-01	11.6	569	15.1	126	1393	590	5.7	6.78	0.005		53	53	3.85	818	0.109	<0.1	<3				<1	1.27
MW-3B	Mar-02	11.3	683	22.2	122	1343	603	5.1	7.14	<0.004		-20	51.7	1.07	845	0.12	<0.1	<3				<1	<1
MW-3B	Jun-02	13.6	568	<10	125	1310	550	6.5	6.64	<0.004		44	47.5	2.6	814	0.13	<0.1	<3				<1	<1
MW-3B	Sept-02	13.1	560	<10	12.4	1388	573	4.6	7.04	<0.004		-127.5	48.5	1.5	888	0.109	<0.1	<3				<1	1.18
MW-3B	Dec-02	10	537	10.2	138	1526	586	5.6	6.87	<0.004		6.3	49.1	2.9	775	0.123	<0.1	<3				<1	1.39
MW-3B	Apr-04	12.7	579	<10	113	1387	583	6.3	7.42	<0.001		196	38.7	2.8	866	0.174	<0.1	<3				<1	<1
MW-3B	Jun-05	14.3	468	68	28	1559	1330	2.53	7.09	<0.0100		163	<5.00	60	1540	<1.00	<0.200	<4.00				<1.00	<1.00

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) (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)	Bromide (mg/l)
Class GA Groundwater Quality Standards and Guidance Values																							
MW-207SA	Nov-90	12	832	320	36.2	930	730	17	6.7	6.9	<0.010	79.6	130	7500	830	0.25	<0.1	11	40	<0.004	0.055	6.3	
MW-207SA	Feb-91	11	722	46.2	22.8	1200	720	22	6.6	6.73	0.023	68.7	130	8800	896	0.12	<0.04						
MW-207SA	May-91	12	674	54.8	26.6	960	800	8	6.6	6.23	0.02	179.9	125.5	6000	908	0.08	0.09						
MW-207SA	Aug-91	12	764	61.4	41.7	1570	720	<30	6.6	6.4	<0.010	297	118	4800	1100	0.09	<0.04						
MW-207SA	Nov-91	12	744	40	16	1441	1038	32	6.35	6.35	<0.010	92.5	9.15	2900	860	<0.02	0.08						
MW-207SA	Feb-92	12	734	115	20	1285	573	11	6.62		<0.010	61.8	98.2	2900	860	0.1	0.82	3.4	<5	<0.010	<0.004	3.47	
MW-207SA	May-92	12	682	26	17	1201	652	<1.0		6.68	<0.010	39.8	14	2000	888	<0.04	0.19	2.8	15	0.016	<0.004	0.12	
MW-207SA	Aug-92	13	690	36.7	22.5	1108	1207	<1.0		6.46	<0.010	58.9	143	1180	908	<0.04	0.18						
MW-207SA	Dec-92	11	704	93.6	10	1325	590	<1.0		6.87	<0.010	50.3	157	1960	836	<0.02	<0.02						
MW-207SA	Feb-93	10	1090	94.5	10	1101	922	59	6.52		<0.010	65.1	146	4400	4372	0.09	<0.02	1.6	<5	<0.004	<0.004	<0.5	
MW-207SA	May-93	11.5	628	<1	10	600	653	6	6.56		<0.010	27.7	122	560	944	<0.02	<0.02						
MW-207SA	Aug-93	14.5	716	78.8	30	949	1072	<1.0		6.58	<0.010	112.3	182	4700	864	0.05	<0.02						
MW-207SA	Dec-93	11.5	932	110	20	1164	1060	28	6.54		<0.010	-1.6	146	2000	816	<0.02	<0.05						
MW-207SA	34366	11	668	35.5	16	1304	839	104	6.8		<0.010	144	132	3300	772	<0.02	<0.05	2.1				<0.5	0.93
MW-207SA	May-94	12.5	688	10.8	17	915	720	72	6.57		<0.010	66.9	140	750	766	<0.02	0.12	4.2				<0.50	1.12
MW-207SA	Aug-94	13	604	75.6	16	1303	700	2	6.49		<0.010	25.7	162	860	860	<0.02	0.21	3.6	10	<0.004	<0.004	<0.5	2.36
MW-207SA	Nov-94	11.5	840	14.3	16	862	590	25	6.48		<0.010	100.9	143	1880	876	<0.02	0.12	<2.0				<0.5	3.42
MW-207SA	March-95	10.5	731	5	23	629	666	22	6.48		<0.010	68.5	129	630	872	0.09	0.09	<2				<0.5	<0.2
MW-207SA	June-95	10.5	751	14	22	604	855	5	6.56		<0.010	-73.6	120	680	920	0.68	0.11	<2				<0.5	<0.2
MW-207SA	Sept. - 95	11.5	790	45.8	10	498	834	4	6.57		<0.010	-75.5	130	1960	992	0.11	<0.05	<2				1.73	<0.2
MW-207SA	Nov-95	10	816	12.2	15	493	833	<1	6.62		<0.010	-86.7	124	1300	864	<0.02	0.07	5	25	<0.004	<0.004	<0.5	<0.2
MW-207S	April-96	10.8	640	59	19	1510	840	1.7	5.8		<0.002	-20	100	>900	830	0.073	<0.02	6.6	600	<0.01	<0.01	1.4	4.4
MW-207S	June-96	11.1	620	110	<20	1370	820	1.7	6.6		<0.002	33	130	>900	860	<0.03	<0.02	6.6				8.8	<2
MW-207S	Sept-96	11.7	1000	140	<10	1400	930	1.3	6.5		<0.002	-40	120	17	880	0.059	0.029	6.1				0.91	<2
MW-207S	Nov-96	11.2	610	130	19	1260	710	2.1	6.68		<0.002	-35	<20	200	740	0.048	<0.02	<4	20	<0.01	<0.01	0.55	<2
MW-207S	March-97	10.5	980	53	24	1430	920	2.6	6.2		<0.002	-10	86	>999	780	<0.03	<0.02	4.2				0.69	<2
MW-207S	June-97	11.6	860	30	16	1360	1000	2.5	6.72		<0.002	125	74	>999	810	0.17	<0.02	7				0.66	<2
MW-207S	Sept-97	12	850	120	15	1000	100	2.8	6.8		<0.002	-5	58	1300	870	0.15	<0.02	9.0				0.99	<2
MW-207S	Dec-97	10.9	730	40	16	1260	960	2.8	7.11		<0.002	-50	61	>999	680	0.21	<0.02	12				0.71	<2
MW-207S	Mar-98	10.8	680	32	18	1190	990	2.4	7.45		<0.002	50	83	246	730	0.043	<0.02	<4				0.81	<2
MW-207S	June-98	17.2	810	9.3	8.7	1210	870	2.7	6.82		<0.002	-95	55	296	660	0.077	<0.02	4.1	70	<0.01	<0.01	0.52	<1
MW-207S	Sept-98	12	650	100	14	1140	1200	2.9	6.73		<0.002	0	58	>999	750	<0.03	<0.02	<4				0.56	<1
MW-207S	Dec-98	11	730	59	22	1170	1300	2.9	6.84		<0.002	-35	46	>999	730	0.05	<0.02	5.4				0.24	<1
MW-207S	Apr-99	11.6	600	45	14	1240	1100	2.3	7.38		<0.002	0	52	>999	710	0.063	<0.02	<4				0.9	<0.1
MW-207S	June-99	11.5	600	25	13	1180	1400	2.3	6.49		<0.002	-10	51	>999	670	0.045	<0.02	4.2				0.52	<0.1
MW-207S	Sept-99	12.7	590	17	13	1150	1100	2.2	6.51		<0.002	-20	38	>999	680	<0.03	<0.02	4.4				0.32	0.16
MW-207S	Dec-99	11.3	710	24	13	1170	1300	1.7	8.1		<0.002	40	31	<999	640	<0.03	<0.02	4.1	40	<0.01	<0.01	0.33	<0.1
MW-207S	Apr-00	10.9	595	16.5	12.4	1100	790	2.4	6.84		<0.004	-78	41	4.3	660	0.192	<0.05	<3	750	<0.01	<0.01	2.61	<1
MW-207SA	Sept-00	11.5	614	<10	13.5	1203	649	2.3	6.51	0.006		-66	42	12	683	0.168	<0.05	<3				<1	<1
MW-207SA	Dec-00	9.3	617	<10	30.7	1139	589	<1	6.83	0.0098		21	33	19	675	0.255	<0.05	<3				<1	<1
MW-207SA	Mar-01	11.1	608	<10	14.1	1121	597	2.3	7.13	<0.004		-53	29	8	625	0.127	<0.05	<3				1.23	<1
MW-207SA	Jun-01	12.9	604	<10	17.3	1181	603	1.9	6.67	<0.004		-85	38.9	85	696	<0.1	<0.1	<3				<1	<1
MW-207SA	Sept-01	12.2	586	<10	14.6	1191	660	1.8	6.78	<0.004		-61	39.7	135	690	0.152	<0.1	<3				<1	<1
MW-207SA	Dec-01	11.1	585	<10	14	1224	672	2	6.78	0.006		-68	40.2	55.8	701	0.123	<0.1	<3				<1	<1
MW-207SA	Mar-02	11.1	747	13.2	14.1	1164	623	1.4	6.73	<0.004		-39	31.8	77.1	673	0.11	<0.1	<3				<1	<1
MW-207SA	Jun-02	12	625	<10	15.5	1155	603	2	6.68	<0.004		-36	30.8	3.7	690	0.111	<0.1	<3				1.02	<1
MW-207SA	Sept-02	12.5	622	<10	18.4	1205	619	2	7.12	<0.004		5.8	39	8.8	729	<0.1	<0.1	4	60	<0.005	<0.01	<1	<1
MW-207SA	Dec-02	10.4	608	<10	15.3	1074	592	1.3	6.79	<0.004		-18	22.8	23	689	0.103	<0.1	<3				<1	<1
MW-207SA	Apr-04	11.5	572	<10	18.02	1140	566	<1	7.15	<0.004		52	20.5	13.5	636	0.211	<0.1	<3	20	<0.005	<0.01	<1	<1
MW-207SA	Jun-05	16	541	97.6	16	726	558	3.12	7.9	<0.0100		93	24.9	30	630	<1.00	0.39	<4.00	30	<0.0100	<0.010	<1.00	<1.00

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) (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)	Bromide (mg/l)
Class GA Groundwater Quality Standards and Guidance Values																							
MW-207D	Sep-87	12.5	210	24.7	14.1	510	320	2.8	7.12		0.029		100	25	384	0.29	<0.10	20	<5.0	0.2	<0.01	0.29	2
MW-207D	May-88	12.5	340		20.1	818	280	2.6	7.56		0.023		136	6	594	0.07	<1.0	<1.0	<5.0			<0.01	0.34
MW-207D	Aug-88	13	296		22.4	767	310	15.5	7.6		0.007		147	150	289	0.09		11	5			0.56	
MW-207D	Nov-88	13	318		19	835	264	19.7	7.76		0.058		123	20	371	0.5		30	<5.0			1.05	
MW-207D	Feb-89	10	307	12.1	18.5	910	428	4.75	8.06		<.005	-185.5	153	41	551	0.07	<.10	12	<5.0		0.04	0.32	
MW-207D	Apr-89	9.5	288		7	713	413	4.11	7.32		0.007	220	139	17	343	0.13		11	10			0.37	
MW-207D	Jun-89	15	250		16.5	662	369	8.71	7.58		0.022	-1192.5	245	16	773	0.11		15	10			0.31	
MW-207D	Nov-89	17	283		16.9	633	385	32.8	8.06		0.008		159	27	444	0.08		48	10	<0.005		0.37	
MW-207D	Feb-90	10.5	307	<10	14.6	810	459	2.36	8.14		0.011		167	549	555	0.05	<0.1	10	5		<0.01	0.24	
MW-207D	Apr-90	9.15	290		15.8	704.5	400	8.33	6.91		<.005	4.75	162	12	624	0.04		18	10	<0.004	0.042	<0.5	
MW-207D	Nov-90	10	311	<1.0	14.7	580	445	11	7.4	7	<0.010	89.3	156	165	591	0.21	<0.1	4.5	25				
MW-207D	Feb-91	11	320	1.6	16.4	800	470	<3.0	7.2	7.1	0.019	73.3	172	150	618	0.09	<0.04						
MW-207D	May-91	11	288	<1.0	11.7	680	480	<3	7.2	6.75	<0.010	150.8	152	74	612	0.04	0.16						
MW-207D	Aug-91	13	272	7.9	11.4	940	796	<3.0	7.3	7.23	<0.010	281.5	153	70	702	0.05	0.04						
MW-207D	Nov-91	14	298	5.8	10	875	397	<1		6.99	<0.010	125.1	158	40	581	0.03	0.06						
MW-207D	Feb-92	11	350	4.6	13.9	871	416		7.17		<0.010	90.2	156	38	592	0.06	<0.02	<0.5		<0.010	<0.004	<0.5	
MW-207D	May-92	12	314	<1.0	15	846	430	<1.0		7.03	<0.010	108.5	14.9	45	612	<0.04	0.06	1.8		<0.010	<0.004	0.06	
MW-207D	Aug-92	12	326	29	13	796	538	<1.0		6.85	<0.010	102.6	162	14.8	680	<0.04	0.38						
MW-207D	Dec-92	10.5	352	<1.0	10	949	396	<1.0		7.04	<0.010	78.7	174	83	652	<0.02	<0.02	<0.5		<0.004	<0.004	0.54	
MW-207D	Feb-93	10	392	16.7	11.5	856	423	24		7.01	<0.010	75.4	163	500	632	<0.02	<0.02						
MW-207D	May-93	12	368	<1.0	12	506	277	<1.0	7.16		<0.010	109.3	153	98	632	<0.02	<0.02						
MW-207D	Aug-93	13	388	<1.0	14	709	487			6.98	<0.010	125.4	161	128	692	0.06	<0.02						
MW-207D	Dec-93	11	376	6.9	15	824	481	16		6.69	<0.010	-17.4	145	59	638	<0.02	0.05						
MW-207D	34366	10.5	392	1	15	990	466	60		6.93	<0.010	49	151	105	612	<0.02	<0.05	<2.0				<0.5	0.94
MW-207D	May-94	12	410	16.1	15	750	530	40		7.09	<0.010	25.8	151	47	666	<0.02	<0.05	<2.0			0.008	<0.50	1.05
MW-207D	Aug-94	13	388	<5.0	15.5	956	533	<1		6.92	<0.010	-2.9	160	37	720	0.05	0.27	2.6		<0.004		<0.5	2.04
MW-207D	Nov-94	11	408	<5.0	17	725	436	8		7.03	<0.010	79.2	146	21	752	0.02	0.35	<2.0				<0.5	3.42
MW-207D	March-95	11.5	436	20	19	563	529	15		6.79	<0.010	53.6	146	54	712	0.71	0.2	<2				<0.5	<0.2
MW-207D	June-95	11.5	481	9.3	20	548	515	134		6.73	<0.010	-23.2	134	34	792	<0.02	0.13	<2				<0.5	<0.2
MW-207D	Sept. - 95	11.5	456	16.7	19	465	557	21		6.69	<0.010	-53.3	148	32.5	768	0.11	<0.05	<2				<0.5	<0.2
MW-207D	Nov-95	10	488	<5.0	18	456	530	<1		6.94	<0.010	-74.8	130	55	776	<0.02	<0.05	<2				<0.5	<0.2
MW-207D	April-96	11.3	250	23	3.8	1210	360	6.4		6.6	0.003	40	83	33	390	<0.03	0.18	12		<0.01	<0.01	1.5	3.1
MW-207D	June-96	11.3	500	16	13	1130	620	1.1		7	<0.002	98	130	86	740	<0.03	<0.02	<4				5.4	<2
MW-207D	Sept-96	11.6	860	2.8	10	1300	580	1.8		6.9	<0.002	60	380	7.8	770	<0.03	<0.02	<4				0.4	<2
MW-207D	Nov-96	11	530	20	17	1070	450	2.2		7.1	<0.002	80	120	55	710	<0.03	<0.02	<4				1.4	<2
MW-207D	March-97	9.6	420	13	4.5	1000	390	4.8		6.5	<0.002	115	90	178	550	<0.03	0.61	<4				0.69	<2
MW-207D	June-97	11.9	600	84	6.8	769	450	4.1		7.3	<0.002	163	66	123	580	0.053	0.45	<4				0.33	<2
MW-207D	Sept-97	12	440	15	8.2	810	480	5		7.2	0.0022	100	120	75	3400	<0.03	0.026	12				0.65	<2
MW-207D	Dec-97	11	750	9.2	17	1100	530	3.1		7.28	<0.002	75	96	168	660	0.082	0.6	<4				0.3	<2
MW-207D	Mar-98	10.8	630	17	15	1090	630	2.5		7.43	<0.002	205	77	738	710	<0.03	<0.02	<4				0.8	<2
MW-207D	June-98	16	450	3.4	4.9	754	500	2.5		7.06	<0.002	-20	57	105	480	0.062	0.3	<4				0.41	<1
MW-207D	Sept-98	12	600	30	17	1110	660	2.2		6.74	<0.002	5	84	404	750	<0.03	0.034	<4				0.34	<1
MW-207D	Dec-98	11.3	520	15	38	1050	690	2		6.56	<0.002	25	82	284	730	<0.03	<0.02	<4				0.22	<1
MW-207D	June-99	11.3	460	10	35	1050	710	1.8		6.77	<0.002	60	97	285	670	<0.03	0.17	<4				0.53	<0.1
MW-207D	Sept-99	12.7	530	11	16	1050	590	1.9		7.69	<0.002	105	95	251	690	<0.03	<0.02	<4				0.35	0.15
MW-207D	Dec-99	11.4	490	12	18	1060	630	1.8		8.31	<.002	55	110	360	680	<0.03	0.067	<4		<0.01	<0.01	0.31	0.13
MW-207D	Apr-00	10.4	294	19.6	57.1	890	452	6.5		7.49	<0.004	-81	80	30	597	0.16	0.446	<4				<1	<1
MW-207D	Jun-00	13.3	577	<10	15.4	800	577	1.6		7.59	<0.004	-112	58	4.76	681	<0.1	0.059	<3				<1	<1
MW-207D	Sept-00	11.3	545	<10	15.6	1095	621	1.7		7.15	<0.004	-2	86	40	686	<0.1	0.058	<3				<1	<1
MW-207D	Dec-00	9.1	585	<10	13.9	1106	611	1.8		7.07	<0.004	26	78	32	679	<0.1	<0.05	<3				1	<1
MW-207D	Mar-01	10.8	560	<10	13.7	1093	614	2.2		7.13	<0.004	-48	77	4	688	<0.1	<0.05	<3				1.38	<1
MW-207D	Jun-01	12.4	556	<10	15.5	1125	594	2.3		6.99	<0.004	-70	79	5.7	685	<0.1	<0.1	<3				2.02	<1
MW-207D	Sept-01	13.2	521	<10	14.2	1109	606	2		7.15	<0.004	-58	76.8	3.25	682	<0.1	<0.1	<3				<1	<1
MW-207D	Dec-01	11	525	45.1	16.9	1091	601	1.6		7.33	<0.004	-89	84.3	4.18	662	<0.1	<0.1	<3				<1	<1
MW-207D	Mar-02	10.6	593	<10	14.7	1005	568	<1		7.05	<0.004	-47	83.9	10.55	639	<0.1	<0.1	<3				<1	<1
MW-207D	Jun-02	11.9	514	<10	15.2	1014	528	2.6		6.9	<0.004	-44	83.3	2.3	611	<0.1	<0.1	<3				<1	<1
MW-207D	Sept-02	11.6	508	<10	16.2	1001	533	1.2		7.27	<0.004	272	93.9	1.4	668	<0.1	<0.1	<3				<1	<1
MW-207D	Dec-02	9.9	483	<10	16.7	971	533	1.4		7.17	<0.004	-8	91.5	6.3	654	<0.1	<0.1	<3				<1	<1
MW-207D	Apr-04	11.7	457	<10	13.4	935	472	2.4		7.57	<0.004	80	94.5	7.5	563	<0.10	<0.1	<3				<1	<1
MW-207D	Jun-05		284	20.4	18	347	347	6.23		<0.0100			110		540	<1.00	1.19	<4.00				<1.00	<1.00

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) (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)	Bromide (mg/l)
Class GA Groundwater Quality Standards and Guidance Values																							
MW-220	May-88	12	460		18.8	1655	370	4.8	6.88		0.006		617	300	1390	0.09		14	<5.0			0.2	
MW-220	Aug-88	13	218		32.8	1383	852	<0.1	6.76		<0.005		518	200	483	0.14		5	<5.0			0.34	
MW-220	Nov-88	11	396		30.3	1333	868	3.8	6.99		0.026		600	18	682	0.12		42	5			0.73	
MW-220	Feb-89	9.3	428	45.5	24	1741	1300	3.6	7.46	66	0.028	66	741	170	1440	0.12	<0.10	4	5		0.06		
MW-220	Apr-89	13	378		32.5	1133	892	2.49	6.97	-1	<0.005		514	260	489	0.08		8	25			2.02	
MW-220	Jun-89	13.75	459		26.8	1447	1210	9.76	7.08		0.006		841	550	1720	0.05		48	480			1.53	
MW-220	Feb-90	11.7	383	29.7	41.6	1118	912	3.86	7.15	-10.4	<0.005	-10.4	303	298	1170	0.07	0.1	5	10	<0.005	<0.01		
MW-220	Apr-90	11.6	455		39.7	1951	310	3.07	6.78	12.65	<0.005	12.65	315	175	1290	0.04		6	25	0.008	0.004	0.82	
MW-220	Nov-90	12	485	14	37.2	1700	880	25	7.1	6.92	<0.05	144.7	3.3	180	1230	<0.1	<0.04	1.7				<0.5	
MW-220	Feb-91	12	474	<1.0	50.6	1300	850	14.4	6.9	7.06	<0.010	24.6	420	290	554	0.07	<0.04						
MW-220	May-91	12	448	17.6	43.6	1200	810	10.5	7.1	6.54	<0.010	132	369	445	1192	0.06	<0.04					0.13	
MW-220	Aug-91	13	444	10.4	54.2	1555	700	<30	7	6.9	<0.010	234.6	290	460	1086	0.06	<0.04						
MW-220	Nov-91	14	460	25	37	1393	700	7		6.79	<0.010	204.8	243	150	1076	0.1	<0.04						
MW-220	Feb-92	10	508	21.1	33.7	1460	839	8	7.03		<0.010	205.1	307	180	1136	0.07	<0.02	<0.5		<0.010	<0.004	<0.5	
MW-220	May-92	13	506	6	15	1403	810	<1.0		6.38	<0.010	147.3	32.4	180	1108	0.11	0.03	<0.5		<0.010	<0.004	0.13	
MW-220	Aug-92	13	444	22.4	39.5	1221	673	27		6.47	<0.010	132.2	311	250	1176	<0.04	0.11	1.95	10	<0.010	<0.004		
MW-220	Dec-92	12.5	712	3	54	1367	610	<1.0	6.77	6.77	<0.010	109.5	280	1120	1188	0.03	<0.02						
MW-220	Feb-93	10.5	612	23.8	25.5	1202	697	45	6.93		<0.010	179.7	388	1000	1112	<0.02	<0.02	0.8		<0.004	<0.004	<0.5	
MW-220	Jun-93	11.5	498	5.1	23	511	788	1	6.94		<0.010	179.8	479	180	1136	0.07	<0.02			<0.004	<0.004		
MW-220	Aug-93	12.5	460	<1.0	24	847	784	<1.0		6.63	<0.010	42.9	112	180	1108	<0.02	<0.02			<0.004	<0.004	<0.5	
MW-220	Dec-93	12	432	8.3	21	1183	699	12		6.87	<0.010	127.2	338	118	1060	<0.02	0.06	<2.0				<0.5	0.83
MW-220	34394	12	404	<1.0	25	1197	694	68	7.02	7.02	<0.010	231.1	310	75	808	<0.02	0.16	<2.0				<0.50	1.18
MW-220	Jun-94	13	512	8.6	17	1096	890	3	6.71	6.71	<0.010	77.5	450	260	1268	<0.02	0.03	<2.0				<0.5	1.24
MW-220	Aug-94	11.5	408	<5.0	18.5	1192	676	4	6.78	6.78	<0.010	57.9	354	11.5	948	0.04	0.18	<2.0		<0.004	<0.004		
MW-220	Nov-94	12	521	14.3	21	883	570	18	6.98	6.98	<0.010	94.9	310	156	1024	0.04	0.13	<2.0				0.81	3.75
MW-220	March-95	10.5	537	<5.0	36	636	756	36	6.84	6.84	<0.010	60.1	499	200	1204	0.13	0.13	<2				<0.5	<0.2
MW-220	June-95	11.5	553	18.6	26	624	607	8	6.9	6.9	<0.010	-0.6	319	190	1200	0.66	<0.05	<2				<0.5	<0.2
MW-220	Sept. - 95	12.5	512	25	34	525	680	<1	7.03	7.03	<0.010	-41.5	290	200	1224	<0.02	<0.05	<2				<0.5	0.4
MW-220	Nov-95	10.5	536	12.2	30	506	929	<1	7.06	7.06	<0.010	-22.3	614	280	1304	<0.02	<0.05	<2				<0.5	0.6
MW-220	April-96	11.5	500	75	26	1800	1100	16	6.8	6.8	<0.002	175	560	703	1600	0.17	<0.02	<4	10	<0.004	<0.004	<0.5	0.6
MW-220	June-96	11.7	450	37	7.1	1680	960	1.1			<0.002	5.65	650	550	1300	0.03	<0.02	<4	200	<0.01	<0.01	1.3	0.93
MW-220	Sept-96	12	430	18	16	1500	770	6.5	6.9	6.9	<0.002	140	490	710	1200	<0.03	<0.02	<4				1	<2
MW-220	Nov-96	11.9	480	60	17	1750	800	1.6	6.84	6.84	<0.002	125	1000	250	1700	<0.03	<0.02	<4				0.33	<2
MW-220	March-97	10.6	550	57	27	1590	690	2.4	7	7	<0.002	155	400	>999	1000	<0.03	<0.02	<4	10	<0.01	<0.01	0.49	<2
MW-220	June-97	11.9	560	40	30	1320	800	2.4	6.89	6.89	<0.0028	180	430	452	1000	0.089	<0.02	<4				0.65	<2
MW-220	Sept-97	13.2	560	9.1	27	1300	810	3.2	7	7	0.0041	180	300	850	1000	0.048	<0.02	<4				0.42	<2
MW-220	Dec-97	11.5	520	<1	23	1360	810	3.2	7.23	7.23	<0.002	160	330	>999	800	0.074	<0.02	<4				0.39	<2
MW-220	Mar-98	10.7	420	8.6	17	1460	860	2.5	7.41	7.41	<0.002	280	310	>999	1100	0.073	<0.02	<4	10	<0.01	<0.01	0.77	<2
MW-220	June-98	12.5	570	<3	10	1590	1100	2.2			<0.002	60	230	>999	860	0.061	<0.02	<4				0.65	<1
MW-220	Sept-98	13.6	540	18	23	1200	1300	3.5	6.34	6.34	<0.002	95	270	>999	880	0.062	<0.02	8.2				<0.04	<1
MW-220	Dec-98	12	610	18	18	1210	1500	3.3	6.65	6.65	<0.002	270	230	>999	1000	0.062	<0.02	<4				0.98	<1
MW-220	Apr-99	11.2	470	18	24	1560	1200	2.5	6.86	6.86	<0.002	140	460	627	1200	<0.03	<0.02	<4				1.1	<0.1
MW-220	June-99	11.8	460	12	18	1420	1000	2.5	6.44	6.44	<0.002	275	330	298	1000	<0.03	<0.02	<4				0.62	<0.1
MW-220	Sept-99	13.8	510	15	18	2060	1500	2.3	6.51	6.51	<0.002	245	820	537	1700	<0.03	<0.02	<4	10	<0.01	<0.03	0.27	<0.1
MW-220	Dec-99	12	150	33	19	1520	910	2.3	7.9	7.9	<0.002	280	410	>999	1100	<0.03	<0.02	<4	15	<0.01	<0.01	0.77	0.11
MW-220	Apr-00	10.3	537	12.8	19	1500	806	2.1	7.02	7.02	<0.004	-29	190	6	1130	0.165	<0.05	<3				<1	<1
MW-220	Jun-00	13.4	481	<10	12.5	1600	1360	1.3	7.24	7.24	<0.004	-87	700	10.7	1890	<0.1	<0.05	<3				<1	<1
MW-220	Sept-00	12.4	454	<10	13.3	1303	803	2.3	7.17	7.17	<0.004	4	370	12	928	<0.1	<0.05	<3				<1	<1
MW-220	Dec-00	9.8	492	<10	13.6	1635	924	1.6	7.18	7.18	<0.004	82	600	33	1250	<0.1	0.054	<3				<1	<1
MW-220	Mar-01	10.8	537	<10	20.4	1317	655	3.2	7.08	7.08	<0.004	7	240	8.7	871	<0.1	0.085	<3	100	<0.01	<0.01	1.38	<1
MW-220	Jun-01	13	456	<10	18	1198	662	2.4	7.13	7.13	<0.004	27	254	6.4	799	<0.1	<0.1	<3				<1	<1
MW-220	Sept-01	13.7	448	<10	17.9	1196	690	2.3	7.09	7.09	<0.004	33	225	9.56	760	<0.1	<0.1	<3				<1	<1
MW-220	Dec-01	11.7	454	<10	18.6	1222	715	2.2	7.09	7.09	<0.004	32	245	36	858	<0.1	<0.1	<3				<1	<1
MW-220	Mar-02	9.8	584	<10	19.8	1059	752	1.9	6.9	6.9	<0.004	33	274	12	881	<0.1	<0.1	<3				<1	<1
MW-220	Jun-02	13.1	549	<10	22.9	1556	868	2.6	7.07	7.07	<0.004	16	381	7.6	1150	<0.1	<0.1	<3				<1	<1
MW-220	Sept-02	13.8	453	<10	18.4	1263	733	2.1	7.01	7.01	0.009	157.7	310	23.6	946	<0.1	<0.1	<3	5	<0.005	<0.01	<1	<1
MW-220	Dec-02	10.7	533	<10	18.6	1784	1210	<1	6.92	6.92	<0.004	21	985	130	1850	<0.1	<0.1	<3				<1	<1
MW-220	Apr-04	11.1	477	<10	19	1162	626	2.7	7.83	7.83	<0.004	133	181	75	816	<0.10	<0.10	<3				<1	<1
MW-220	Jun-05	14.1	467	17.5	17	999	693	4.17	7.22	7.22	0.041	164	124	39	954	<1.00	<0.200	<4.00		<0.0100	<0.010	<1.00	<1.00

TABLE II - 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) (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)	Bromide (mg/l)
Class GA Groundwater Quality Standards and Guidance Values																							
MW-221S	Sep-87	14	630	10	83.9	1400	820	4.6	6.37		0.018		180	298	1010	0.16	<0.10	7	<5.0	0.2	<0.01	1.56	
MW-221S	May-88	12.5	540		75.9	1302	720	1.3	6.82		<0.005		131	200	927	0.05		10	<5.0			0.2	
MW-221S	Aug-88	13	808		99.7	1410	790	<0.1	6.48		<0.005		192	76	465	0.16		54	<5.0			0.76	
MW-221S	Nov-88	11.5	610		68.5	1250	752	<0.005	6.42		<0.005		54.7	73	591	<0.04		36	<5.0			1.13	
MW-221S	Feb-89	9.5	591	492	80	1854	825	3.35	7.29		0.02	342.5	210	140	712	0.31	<0.10	5	5		0.03	8.87	
MW-221S	Apr-89	13	561		77.1	1079	782	5.69	6.66		<0.005	-18	179	640	500	<0.04		44	20			1.87	
MW-221S	Jun-89	13.5	452		58.2	394	180	25	6.2		0.01		43.6	38	500	<0.04		19	20			0.36	
MW-221S	Nov-89	14.7	660		174	1534	892	13.5	6.52		0.009	14	246	248	254	0.24		45	<5.0	<0.005	<0.01	1.42	
MW-221S	Feb-90	12.5	641	43.3	122	1551	827	16.8	6.71		<0.005	15.3	149	249	1050	0.08	0.68	8	10				
MW-221S	Apr-90	15	654		144	1505	740	19.7	6.53		<0.005	25.3	136	110	1180	<0.04		18	15			0.82	
MW-221S	Nov-90	15	677	37	107	1600	770	52	6.6	6.98	<0.005	132.3	110	240	1046	<0.1	<0.04	6.1	<5.0	0.008	<0.004	<0.5	
MW-221S	Feb-91	14	662	11.8	122	1600	830	11.4	6.6	6.78	<0.010	170.9	126	250	1091	0.1	0.09		<5.0				
MW-221S	May-91	15	592	22.6	186.1	1700	780	18	6.7	6.45	<0.010	226.1	145	270	1286	<0.03	<0.04		<5.0				
MW-221S	Aug-91	19	636	18	167	1980	860	7	6.6	6.58	<0.010	54.6	91	270	1252	<0.02	<0.04		<5	<0.010	<0.004	<0.5	
MW-221S	Nov-91	15	708	23.5	140	1825	816	14	6.5		<0.010	38.1	56.6	240	956	0.05	0.06	1.4	10	0.016	<0.004	0.15	
MW-221S	Feb-92	11	770	32.6	117	1597	767	10		6.52	<0.010	160.9	20.4	150	1456	<0.04	0.1	2.6					
MW-221S	May-92	13	600	58	185	1865	869	<1.0		6.5	<0.010	113.9	215	86	360	<0.04	0.14						
MW-221S	Aug-92	14	722	14.3	180	940	826	<1.0		6.9	<0.010	132.2	144	480	1080	<0.02	<0.02						
MW-221S	Dec-92	12	1094	16.8	88	1733	686	<1.0		6.11	<0.010	122.1	302	330	1320	<0.02	<0.02	1.6	5	<0.004	<0.004	<0.5	
MW-221S	Feb-93	10.5	702	38.7	87.5	1363	673	95	6.46		<0.010	94	142	84	1160	0.13	<0.02						
MW-221S	Jun-93	12	814	10.3	100	548	813	<1.0		6.16	<0.010	34.5	148	220	1224	<0.02	<0.02						
MW-221S	Aug-93	15.5	808	22.4	133	1141	967	<1.0		6.67	<0.010	11.6	87.4	350	1008	<0.02	<0.02						
MW-221S	Dec-93	12.5	760	34	77	1456	815	10		6.93	<0.010	72.7	36.1	190	248	<0.02	<0.05	<2.0				0.72	
MW-221S	Feb-94	11.5	776	22.1	108	1661	762	128		6.33	<0.010	54.7	117	61	1124	0.178	0.04	3				<0.5	
MW-221S	Jun-94	13.5	756	10.8	68	1156	834	4		6.43	<0.010	26.6	100	84	1008	0.07	0.08	<2.0				<0.5	
MW-221S	Aug-94	12.5	820	17.8	78	1501	802	<1		6.53	<0.010	54.1	122	19	1124	0.03	0.06	<2.0				<0.5	
MW-221S	Nov-94	13.5	844	14.3	51	997	665	28		6.64	<0.010	36.4	140	83	1068	1.67	0.13					<0.5	
MW-221S	March-95	10.5	763	20	56	663	755	<1		6.58	<0.010	-21.7	104	72	1156	0.61	0.09	<2				2.6	
MW-221S	June-95	11.5	800	14	105	712	891	<1		6.76	<0.010	-30.6	86.2	60	928	0.1	<0.05	<2				<0.5	
MW-221S	Sept. - 95	14	575	<5.0	54	502	624	<1		6.78	<0.010	12.6	103	3120	968	1.24	<0.05	<2				<0.5	
MW-221S	Dec-95	12.5	648	8.3	75	502	598	<1		6.8	<0.002	190	170	600	1000	0.89	<0.02	60	10	<0.004	<0.004	<0.5	
MW-221S	April-96	6.7	780	160	51	1600	580	11		6.8	<0.002	245	200	790	1000	0.24	<0.02	<2		<0.01	<0.01	20	
MW-221S	June-96	11.7	700	250	37	1540	880	4.4		6.5	<0.002	-10	6.3	>999	250	<0.03	0.077	<4				10	
MW-221S	Sept-96	14.7	130	5.3	51	1600	160	1.1		6.58	<0.002	25	390	470	1100	0.24	<0.02	<4		<0.01	<0.01	<0.5	
MW-221S	Nov-96	13	130	<1	46	1700	590	3.7		6.6	<0.002	120	200	>999	1100	0.25	<0.02	<4				1.4	
MW-221S	March-97	7.6	800	160	68	1700	760	5		6.41	0.011	95	67	>999	940	0.063	<0.02	4				1.2	
MW-221S	June-97	11.9	920	51	56	1500	810	3.9		6.8	<0.005	145	120	1000	1000	0.28	0.022	<4				0.87	
MW-221S	Sept-97	15.5	930	44	50	1600	960	5.7		6.75	<0.002	125	330	>999	1100	0.28	0.4	5				<2	
MW-221S	Dec-97	12.6	670	9.2	11	1590	1100	4.7		7.29	<0.002	330	410	74	1100	0.13	0.068	11				5.9	
MW-221S	Mar-98	8.8	640	15	18	1510	960	3.1		6.34	<0.002	400	270	>999	890	<0.03	0.079	<4		<0.01	<0.01	1.1	
MW-221S	June-98	14.8	650	5.1	9.9	1270	770	2.8		6.09	<0.002	85	89	>999	1000	0.05	<0.02	<4				<1	
MW-221S	Sept-98	15.5	810	21	56	1530	1200	4.9		7	<0.002	55	120	>999	1000	0.044	<0.02	9.9				0.95	
MW-221S	Dec-98	12.7	800	20	62	1530	1300	4.4		7.52	<0.002	175	300	852	1100	<0.03	3.8	<4				<0.1	
MW-221S	Apr-99	9.3	500	18	24	1590	1000	3.2		7.04	<0.002	290	240	99	1100	<0.03	<0.02	<4				0.45	
MW-221S	Jun-99	10.9	600	16	33	1500	1300	3.2		6.48	<0.002	310	190	159	990	<0.03	0.13	<4				1.2	
MW-221S	Sept-99	15.6	650	12	32	1470	900	3.4		8.21	<0.002	215	89	144	830	0.03	0.99	<4				0.43	
MW-221S	Dec-99	12.1	510	39	7.3	1210	740	2.3		7.07	<0.004	-6	200	950	835	<0.1	2.16	<4		<0.01	<0.03	0.97	
MW-221S	Apr-00	8.3	521	12.8	9.82	1200	723	1.6		7.31	<0.004	-40	180	16.1	873	<0.1	0.752	<3				<1	
MW-221S	Jun-00	16.1	542	<10	13.9	950	709	2		6.99	<0.004	26	130	3	706	<0.1	0.061	<3				2.52	
MW-221S	Sept-00	14	570	<10	11.5	1146	646	2.2		7.06	<0.004	100	99	27	679	<0.1	0.076	<3				<1	
MW-221S	Dec-00	10.5	592	<10	8.76	1119	645	5		7.06	<0.004	52	69	6.4	842	<0.1	0.714	<3		<0.01	<0.01	1.84	
MW-221S	Mar-01	8.4	730	<10	65.9	1440	702	5.6		7.01	<0.004	107	72	11	675	<0.1	0.076	<3				1.07	
MW-221S	Jun-01	13	655	10.9	30	1151	594	5.1		6.81	<0.004	107	69	6.4	842	<0.1	0.714	<3				<1	
MW-221S	Sept-01	13.7	533	<10	31.6	1198	624	1.9		6.89	<0.004	92	59.9	22	660	<0.1	<0.1	<3				<1	
MW-221S	Dec-01	12.8	615	<10	48.9	1328	680	68		6.8	<0.01	51	70	18.8	735	0.167	<0.1	<3				<1	
MW-221S	Mar-02	9.1	774	11.8	35.4	1000	660	3.4		6.82	<0.004	13	56.5	80	721	0.129	<0.1	<3				<1	
MW-221S	Jun-02	12.8	558	<10	9.33	1513	717	2.6		7.06	0.0041	7.06	328	40.3	1060	0.139	0.131	<3				<1	
MW-221S	Sept-02	14.3	719	<10	26.1	1175	632	2		6.85	<0.004	102.3	96.4	21.8	785	0.132	<0.1	<3				<1	
MW-221S	Dec-02	12.1	500	<10	6.48	1190	702	1.1		6.91	<0.004	35	250	100	859	<0.1	0.16	<3				<1	
MW-221S	Apr-04	10.2	510	<10	10.9	979	571	1.7		7.56	0.005	167	37.2	311	633	<0.10	0.36	6				<1	
MW-221S	Jun-05	18.2	462	17.5	<5.0	493	591	3.23		8.08	<0.0100	88	34.7	12	602	<1.00	0.27	<4.00				<1.00	

TABLE II - 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) (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)	Bromide (mg/l)
Class GA Groundwater Quality Standards and Guidance Values																							
MW-221D	Sep-87	12.5	180	21.9	51.3	410	185	2.8	7.72		0.009		20.2	50	274	0.1	0.1	10	<5.0	0.2	<0.01	0.15	
MW-221D	May-88	12.5	140		42.7	426	190	3.4	7.41		0.02		23.4	23	353	0.07		24	<5.0			<0.20	
MW-221D	Aug-88	13	125		59.7	486	178	<0.1	7.6		<0.005		20.6	4	122			4	<5.0			0.46	
MW-221D	Nov-88	11.3	127		60.5	380	182	2.43	7.9		0.038		4.86	20	197	0.06		21	<5.0			0.34	
MW-221D	Feb-89	10	124	10.2	66	548	205	2.35	8.73		0.012	362	35.2	31	499	0.07	<0.10	2	<5.0		<0.01	0.33	
MW-221D	Apr-89	13	122		58.7	352	204	10.1	7.61		<0.005	-1.5	35.1	16	212	0.07		22	10			1.43	
MW-221D	Jun-89	15	637		157	1627	900	17	6.94		0.034		330	85	2240	0.04		11	35			1.09	
MW-221D	Nov-89	13.5	121		56.6	365	183	0.77	7.9		0.009	-61.1	11.3	23	252	0.06		8	<5.0			0.16	
MW-221D	Feb-90	11.3	132	28.5	61.6	455	184	31.1	7.86		<0.005	-46.8	32.1	225	281	0.16	0.14	10	10	0.005	<0.01		
MW-221D	Apr-90	13.25	141		61.4	380	185	28.5	6.55		<0.005	14.85	11.7	52	253	0.04		13	15			0.46	
MW-221D	Nov-90	12	125	7.2	59.7	530	190	7	7.8	7.55	<0.05	104.1	17.3	8	269	<0.1	<0.04	3.5		0.008	0.005	<0.5	
MW-221D	Feb-91	12	122	<1.0	62.5	510	180	<3.0	7.9	7.71	<0.010	-13.2	24.4	6	289	0.05	<0.04						
MW-221D	May-91	13	118	4.2	58.5	320	184	<3.0	8	7.37	<0.010	99	21	9.5	259	0.04	<0.04						
MW-221D	Aug-91	14	118	<0.5	58.3	500	180	<3.0	7.8	7.61	<0.010	201.8	17.8	6.1	342	0.05	<0.04						
MW-221D	Nov-91	14	126	2.8	58.5	469	161	1		7.55	<0.010	35.7	13.3	2.5	248	0.08	<0.04						
MW-221D	Feb-92	10	130	12.3	57.4	458	174	1	7.21		<0.010	77.8	18.7	2.5	252	0.11	<0.02	0.8	<5	<0.010	<0.004	<0.5	
MW-221D	May-92	13	122	<1.0	65	456	179	<1.0		7.41	<0.010	121.7	10	1.7	374	<0.04	0.09						
MW-221D	Aug-92	14	408	<1.0	62	340	147	<1.0		7.33	<0.010	89.4	26.8	2.9	352	<0.04	0.02						
MW-221D	Dec-92	12	106	7.5	65	506	146	<1.0		7.43	<0.010	108	51.7	1.5	272	<0.02	<0.02						
MW-221D	Feb-93	11	120	2.7	55	446	133	9		7	<0.010	97.7	34.5	18	248	0.04	0.02						
MW-221D	Jun-93	13	116	7.7	60	304	146	6	7.52		<0.010	66.5	69.3	2.7	296	0.05	<0.02	1	<5	<0.004	<0.004	<0.5	
MW-221D	Aug-93	15	124	<1.0	61	379	163	<1.0		7.1	<0.010	65.4	50.5	0.8	265	<0.02	<0.02						
MW-221D	Dec-93	12	106	5.5	59	402	177	2		7.1	<0.010	-37.3	31.5	4	316	<0.02	0.04						
MW-221D	34366	11.5	116	<1.0	60	453	164	8		7.49	<0.010	64.7	29.6	8.2	224	<0.02	<0.05	<2.0				<0.5	0.98
MW-221D	Jun-94	13.5	118	<1.0	58	395	169	<1		7.57	<0.010	-1.4	27.1	3.2	273	<0.02	<0.02	<2.0				<0.50	0.98
MW-221D	Aug-94	12.5	116	8.9	58.5	439	167	4		7.24	<0.010	-2	46.3	3.2	260	0.06	0.19	<2.0	15	<0.004	<0.004	<0.5	2.22
MW-221D	Nov-94	12.5	129	9.5	59	385	144	1		7.72	<0.010	40.5	29.8	3.9	280	<0.02	0.18	<2.0				0.73	3.12
MW-221D	March-95	11.5	755	5	62	362	173	5		7.14	<0.010	-7.3	38.5	1.7	268	0.08	0.14	<2				<0.5	0.8
MW-221D	June-95	12.5	123	<5.0	59	355	158	<1		7.27	<0.010	72.9	19.7	3.1	296	0.69	0.07	<2				<0.5	0.4
MW-221D	Sept. - 95	12.5	116	8.3	60	319	168	<1		7.18	<0.010	-78.3	21.8	5.1	300	0.1	<0.05	<2				<0.5	1.1
MW-221D	Dec-95	11	120	<5.0	58	312	146	<1		7.35	<0.010	-29.4	26.6	5.5	276	0.06	<0.05	<2	<5	<0.004	<0.004	<0.5	0.7
MW-221D	April-96	8.3	140	1	57	450	280	<1		8.3	<0.002	535	19	28	310	<0.03	0.043	13	5	<0.01	<0.01	0.46	3.1
MW-221D	June-96	11.6	120	1	51	447	180	<1		8.2	<0.002	315	44	200	290	<0.03	0.027	<4				2.1	<2
MW-221D	Sept-96	13.7	830	5.7	32	450	790	22		8	<0.002	140	440	13	1100	0.061	<0.02	<4				3.2	<2
MW-221D	Nov-96	11.4	120	<1	52	425	140	<1		8	<0.002	45	20	3.4	290	<0.03	0.037	<4	10	<0.01	<0.01	0.62	<2
MW-221D	March-97	9.1	140	8.6	55	425	150	<1		7.95	<0.002	195	16	<1	260	<0.03	<0.02	<4				0.4	<2
MW-221D	June-97	12.1	140	33	59	440	180	<1		7.6	0.0024	450	28	3	250	<0.03	0.06	<4				0.85	<2
MW-221D	Sept-97	15.8	120	<1	54	478	160	1.6		8.03	<0.002	120	27	34	270	<0.03	0.021	<4				0.25	<2
MW-221D	Dec-97	11.7	140	<1	48	489	160	<1		7.9	<0.002	325	43	23	240	<0.03	0.051	<4				0.17	<2
MW-221D	Mar-98	10.7	120	<1	54	478	170	<1		7.3	<0.002	285	14	21	230	<0.03	0.047	<4	4	<0.01	<0.01	0.14	<2
MW-221D	June-98	12.4	150	6.6	63	473	170	<1		7.05	<0.002	85	15	49	270	<0.03	0.023	<4				0.23	<1
MW-221D	Sept-98	14.6	130	2.1	61	450	170	<1		7.53	<0.002	110	25	15	220	<0.03	0.035	8.4				0.12	<1
MW-221D	Dec-98	12.4	120	<1	63	433	240	<1		7.76	<0.002	80	18	36	290	<0.03	0.04	<4				0.24	0.56
MW-221D	Apr-99	11.6	110	6.3	61.6	492	170	<1		6.95	<0.002	300	17	95	280	<0.03	0.04	<4				0.77	0.71
MW-221D	Jun-99	11.9	120	2.9	57	460	210	<1		7.91	0.0021	240	17	45	230	<0.03	0.037	<4				0.14	0.62
MW-221D	Sept-99	14.2	120	3.9	56	456	180	<1		8.66	<0.002	340	17	18	230	<0.03	0.044	<4	5	<0.01	<0.01	0.28	0.58
MW-221D	Dec-99	12.3	120	12	56	474	180	<1		7.91	<0.002	340	17	18	230	<0.03	0.044	<4	5	<0.01	<0.01	<1	<1
MW-221D	Apr-00	10.3	125	<10	57.1	450	167	1.5		7.93	0.005	-94	16	4.5	238	<0.1	<0.05	<3				<1	<1
MW-221D	Jun-00	14.3	121	<10	57	360	177	<1		8.14	<0.004	-101	18	4.34	235	<0.1	0.073	<3				<1	<1
MW-221D	Sept-00	13	119	<10	55.9	462	185	<1		7.77	<0.004	85	18	6.7	207	<0.1	0.08	<3				<1	<1
MW-221D	Dec-00	10.9	124	<10	54.5	453	178	<1		7.54	<0.004	28	19	5.6	220	<0.1	0.089	<3				1.53	<1
MW-221D	Mar-01	9.8	122	<10	56.2	463	177	<1		8.05	<0.004	99	18.6	3.7	239	<0.1	<0.1	<3				<1	<1
MW-221D	Jun-01	12.8	114	<10	61.6	467	170	1.6		8.13	<0.004	78	17.9	17.7	213	<0.1	<0.1	<3				<1	<1
MW-221D	Sept-01	13.8	115	<10	53.4	457	177	<1		7.52	<0.004	-7	18.3	6.2	224	<0.1	<0.1	<3				<1	<1
MW-221D	Mar-02	10.9	117	12.5	57.8	437	179	<1		7.76	<0.004	1	16.5	2.7	238	<0.1	<0.1	<3				<1	<1
MW-221D	Jun-02	12.7	120	<10	58	444	171	<1		7.76	<0.004	-25	16.4	6.2	224	<0.1	<0.1	<3				<1	<1
MW-221D	Sept-02	13.4	112	<10	57.7	431	163	<1		7.89	<0.004	301	17.4	4.68	227	<0.1	<0.1	<3				<1	<1
MW-221D	Dec-02	12	118	<10	62.9	451	182	<1		8.09	<0.004	-18	18.3	12	235	<0.1	<0.1	<3				<1	<1
MW-221D	Apr-04	10.3	124	<10	53.7	424	173	<1.0		8.11	<0.004	207	16.4	19	250	<0.10	<0.1	<3				<1	<1
MW-221D	Jun-05	16.8	122	23.4	53	691	193	<1.00		7.42	<0.0100	151	20.7	26	258	<1.00	0.21	<4.00	15	<0.0100	<0.010	<1.00	<1.00

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) (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)	Bromide (mg/l)
Class GA Groundwater Quality Standards and Guidance Values																							
MW-222	Sep-87	13	685		48.5	1583	920	2.2	6.3		0.012		250	260	1128	0.15	0.61	10	<5.0	0.2	<0.01	0.67	
MW-222	May-88	13	875		41.3	1681	1100	4.5	6.71		0.041		197	775	686	0.24		12	<5.0			1.07	
MW-222	Aug-88	13	675		46.2	1481	808	2.6	6.44		<0.005		210	190	439	0.28		13				1.22	
MW-222	Nov-88	12	707		54.4	1462	982	2.5	6.5		0.031		202	15	683	0.39		12	10			2.51	
MW-222	Feb-89	10.8	739		88	1645	1140	4.25	7.03		0.032	-18.7	173	150	1080	0.19	<0.10	15	25		<0.01		
MW-222	Apr-89	11.5	488		80.5	1269	821	33.7	6.24		0.012	69	255	530	327	0.15		12	50			1.53	
MW-222	Jun-89	14	510		30.4	1002	541	12.2	6.64		0.011	-156.3	343	340	1010	0.08		9	165			0.9	
MW-222	Nov-89	17	449		46.2	819	502	15.8	6.83		0.008		65	105	1600	0.72		17	80			1.24	
MW-222	Feb-90	12.2	465	12.4	51.7	978	698	8.54	6.92		<0.005	4.8	248	120	895	0.41	<0.10	21	15	<0.005	<0.01		
MW-222	Apr-90	10.4	257		40	684.5	320	3.12	6.49		<0.005	25.5	382	48	495	0.15		11	70	<0.004	0.032	0.65	
MW-222	Nov-90	11	666	20	53.8	890	710	32	6.9	6.56	<0.005	-11.5	87.5	90	922	0.29	<0.04	14	5			0.67	
MW-222	Feb-91	13	691	7.8	61	1450	810	17	6.6	6.71	0.105	-13.9	116	150	1022	0.39	<0.04						
MW-222	May-91	11	548	21.9	63.8	1300	760	10.5	6.6	6.29	<0.010	71.8	205	190	1066	0.18	<0.02						
MW-222	Aug-91	14	660	19	48.5	1880	800	5.3	6.67	6.67	<0.010	232.4	192	300	1252	0.8	<0.04						
MW-222	Nov-91	14	892	140	115	1996	1036	94	6.4	6.48	<0.010	9.3	18	270	1484	1.7	<0.04						
MW-222	Feb-92	10	846	51.9	92.1	2170	1035	27	6.22		<0.010	13	90	380	1256	0.3	<0.02	15.3	<5	<0.010	<0.004	0.6	
MW-222	May-92	13	750	27	195	1903	1075	<1.0		6.37	<0.010	10.3	13.9	210	1568	0.53	0.15	9.3	10	0.011	<0.004	1.2	
MW-222	Aug-92	13	434	26.5	135	1449	707	<1.0		6.31	<0.010	7.7	79.8	70	1124	1.51	<0.05						
MW-222	Dec-92	11.5	908	22.8	130	1941	844	<1.0		6.53	<0.010	5.7	96.8	300	1260	1.09	<0.02						
MW-222	Feb-93	11	47.2	39.6	135	1423	715	106		6.55	<0.010	-63.8	84.9	1000	1180	0.8	<0.02						
MW-222	Jun-93	13.5	812	9.4	51	526	761	<1.0	6.55		<0.010	-10.1	90.6	220	840	0.98	<0.02	5.5	3000	<0.004	<0.004	2	
MW-222	Aug-93	15.5	780	33	105	1101	808	32		6.33	<0.010	-29.9	124	580	1064	14.4	<0.02						
MW-222	Dec-93	13.5	908	41.2	205	2060	1020	32		6.41	<0.010	-60.1	88.7	240	1468	7.78	<0.05						
MW-222	34366	12	828	35.5	182	2360	1097	148		6.61	<0.010	50.9	282	260	1408	4.66	<0.05	5.1				6.95	0.52
MW-222	Jun-94	13.5	788	15.1	50	1059	798	8		6.62	<0.010	-44.8	61.6	150	907	1.22	0.1	7.8				2.51	0.33
MW-222	Aug-94	13	856	26.7	73	1702	949	12		6.4	<0.010	-89.1	151	380	908	0.56	<0.05	6.7	80	<0.004	<0.004	9.77	1
MW-222	Nov-94	12	848	14.3	92	1113	753	18		6.49	<0.010	0.3	148	70	1124	1.51	<0.05	4.2				4.93	1.28
MW-222	March-95	11	888	30	42	724	849	202		6.5	<0.010	56.5	202	410	1264	2.71	<0.05	5				2.6	0.3
MW-222	June-95	11.5	759	55.8	290	894	780	18		6.65	<0.010	-79.9	99.6	320	1476	1.55	<0.05	6				3.9	1.9
MW-222	Sept. - 95	11.5	948	112.5	322	812	730	5		6.79	<0.010	-80.0	78.5	225	1736	2.6	<0.05	4.4				3.1	2.4
MW-222	Nov-95	12	592	36.7	38	529	573	<1		6.82	<0.010	-89.1	151	380	908	0.56	<0.05	11	25	<0.004	<0.004	1.27	1
MW-222	April-96	9.7	820	59	77	1890	800	16		6.7	<0.002	85	120	1000	1200	1.5	<0.02	28				6.4	2.1
MW-222	June-96	11.7	730	73	75	1710	800	8.6		6.6	<0.002	140	62	490	1200	0.95	<0.02	16				4	<2
MW-222	Sept-96	13.7	1000	110	41	2000	890	15		6.3	<0.002	78	<10	480	1300	1.1	<0.02	11				2.3	<2
MW-222	Nov-96	11.5	860	140	88	1950	680	5.8		6.47	<0.002	0	110	440	1200	0.6	<0.02	21				2	<2
MW-222	March-97	10.1	370	74	150	2030	790	9.6		6.5	<0.002	10	46	160	1100	1	<0.02	24				3.2	<2
MW-222	June-97	12	990	53	180	2060	900	11		6.43	0.0093	130	430	925	1300	5.6	<0.02	16				7.3	<2
MW-222	Sept-97	13	960	180	280	2600	1000	36		6.4	0.0019	50	150	600	1800	34	<0.02	<4				34	2.4
MW-222	Dec-97	12	2100	170	310	3150	810	43		6.59	<0.002	-10	150	>999	1800	16	<0.02	13				16	2.8
MW-222	Mar-98	11.5	1200	32	170	2200	720	12		6.86	<0.002	20	78	58	1200	16	<0.02	14				15	<1
MW-222	June-98	13.8	980	24	50	1620	700	7.5		6.66	<0.002	-90	38	374	920	12	<0.02	25				10	<1
MW-222	Sept-98	13.7	970	21	49	1800	1000	6.9		5.94	<0.002	<-95	130	>999	1100	9.5	<0.02	37				63	<1
MW-222	Dec-98	12.7	1100	56	260	2260	1200	18		6.37	<0.002	-25	61	135	1600	28	<0.02	17				30	2.1
MW-222	Apr-99	12.4	970	54	190	2620	1100	18		6.99	<0.002	-60	170	35	980	31	<0.02	13				640	0.84
MW-222	June-99	11.9	860	54	100	1800	780	10		6.65	<0.002	30	47	40	1100	72	<0.02	19				81	1.5
MW-222	Sept-99	15.1	950	51	140	2230	740	15		7.04	<0.002	65	100	16	960	91	<0.02	19				95	1.7
MW-222	Dec-99	12.5	930	54	160	1880	620	12		9	<0.002	145	54	34	935	40.2	<0.05	10				41.9	<1
MW-222	Apr-00	10.7	841	33.6	105	1850	683	8.1		6.92	0.015	-75	40	25.9	921	14.4	<0.05	16				14.9	<1
MW-222	Jun-00	14.3	773	25.6	121	1300	778	7.9		6.91	0.0056	-152	28	16	953	7.78	<0.05	16				9.8	<1
MW-222	Sept-00	12.5	1640	26.7	114	1710	824	6.6		6.7	0.0044	6.7	14	15	1060	20.5	<0.05	9				29.3	<1
MW-222	Dec-00	11.4	757	29.2	130	1960	892	9.9		6.87	<0.004	-28	66	15	1060	8.53	<0.05	11				27.3	1.31
MW-222	Mar-01	11	917	32	244	2100	875	18.6		6.68	0.0071	-59	65	9.7	1270	2.58	<0.05	11				7.4	<1
MW-222	Jun-01	13.2	865	31	106	1708	756	9.7		6.83	<0.004	-93	28.7	23	933	<0.1	<0.1	10				7.4	<1
MW-222	Sept-01	13	778	24.4	111	1947	865	8.1		6.7	<0.004	-78	45.2	9.52	1110	4.18	<0.1	14				8.41	<1
MW-222	Dec-01	12.7	1030	79.7	257	2690	759	2.3		6.77	0.0078	-42	56.8	6.96	1350	70.8	<0.1	8				59.8	2.92
MW-222	Mar-02	11.8	1204	130	177	2070	479	23		6.79	0.0155	-74	27.8	13	1080	80.6	<0.1	11				125	1.57
MW-222	Jun-02	13.6	985	37.4	98.2	2260	513	22		6.76	0.0042	-74	106	3.6	885	70.4	<0.1	11				104	1.17
MW-222	Sept-02	14.1	874	18.7	90.1	1745	572	7.2		7.02	<0.004	-99.5	34	10.82	795	38.9	<0.1	11				64.8	<1
MW-222	Dec-02	13.1	996	32.4	42.9	1445	692	8.1		6.75	0.0043	-62	89.4	9.4	930	33.5	<0.1	11				34.3	<1
MW-222	Apr-04	12.3	795	22	74.6	1495	798	7.1		7.18	<0.004	-15	18.5	45	999	2.58	<0.1	>22E				5.3	<1
MW-222	Jun-05	16.4	827	50.1	58	686	825	8.75		8.19	0.032	104	47.5	61	1010	8.68	0.73	8.78				3.95	<1.00

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) (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)	Bromide (mg/l)
Class GA Groundwater Quality Standards and Guidance Values																							
MW-223S	Sep-87	11.5	626	10.1	18.5	1492	900	73	7.01		<0.005		255	40	1010	0.1	0.3	4	<5.0		<0.01	0.26	
MW-223S	May-88	12.5	730		10.5	1346	890	4.3	7.89		<0.005		223	17	984	0.28		12	<5.0			0.59	
MW-223S	Aug-88	12	737		10.9	1508	650	9.4	6.85		<0.005		258	30	473	0.11		10	<5.0			0.81	
MW-223S	Nov-88	10	662		11.4	1223	898	19.3	6.93		0.05		404	5	631	0.15		69	<5.0			0.35	
MW-223S	Feb-89	8	593	17.4		1522	804	6.5	7.45		<0.005	97.5	269	85	960	0.14	<0.1	13	10		<0.01	0.66	
MW-223S	Apr-89	14	376		2.5	1438	474	11.93	6.02		0.01	-290	137	12	615	0.18		15	<5.0			1.02	
MW-223S	Jun-89	13.5	730		10.5	1352	972	12.4	6.96		<0.005		549	88	2040	0.06		11	22			0.22	
MW-223S	Nov-89	11.3	764		14	1193	991	5.64	6.82		0.009	-1.2	229	36	1060	0.11	<0.1	8	<5.0		<0.01	0.36	
MW-223S	Feb-90	11.5	744		11	1475	961	16.3	6.94		<0.005	-2.15	228	124	1060	0.14		6	10		<0.005		
MW-223S	Apr-90	11.7	693		10.2	1107.5	891	15.2	8.03		<0.005	-61.3	121	180	901	0.14		82	5		0.027	0.56	
MW-223S	Nov-90	10	819		11.7	970	920	170	5.8	7.1		205.1	170	54	1069	0.16	<0.1	9.5	<5			<0.5	
MW-223S	Feb-91	11	738		12.9	1300	910	78	6.8	6.97	<0.010	66.9	165	110	1064	0.2	<0.04						
MW-223S	May-91	11	720		11.7	1100	940	<3	6.7	6.66	<0.010	202.8	152	47	1022	0.12	<0.04						
MW-223S	Aug-91	11	718		10.4	1540	880	10.4	6.9	7.17	<0.010	223.3	155	60	1080	0.06	<0.04						
MW-223S	Nov-91	10	664		11	1592	879	52		6.58	<0.010	100.8	182	100	1016	0.12	<0.04						
MW-223S	Feb-92	11	694		12.9	1499	853	3	6.85		<0.010	79.7	203	67	924	0.16	0.03	6.6	<5		<0.010	<0.5	
MW-223S	May-92	12	622		10	1406	822	<1.0		6.69	<0.010	75.4	168	66	956	0.48	0.08	2.7	5		<0.004	0.31	
MW-223S	Aug-92	13	702		12	1256	725	7		6.81	<0.010	38.2	182	120	1036	0.09	0.02				<0.004		
MW-223S	Dec-92	10	662		6	1603	746	<1.0		6.8	<0.010	39.5	162	82	1030	0.02	0.04						
MW-223S	Feb-93	10	740		10	1241	614	58		6.9	<0.010	25.4	166	105	972	0.11	0.07	0.8	<5		<0.004	<0.5	
MW-223S	May-93	12.5	742		9	571	779	14	6.79		<0.010	75.1	142	90	996	0.03	<0.02						
MW-223S	Aug-93	14	772		2	976	864	<1.0		6.53	<0.010	1.2	147	140	1028	0.15	<0.02						
MW-223S	Dec-93	10	688		10	1305	923	30		6.75	<0.010	96.1	166	112	972	<0.02	<0.05	<2.0				<0.5	0.82
MW-223S	May-94	10.5	700	<1.0	11	1456	765	224		6.8	<0.010	81.6	160	210	880	<0.02	<0.05	3				<0.50	1.22
MW-223S	Aug-94	12.5	740		10.5	991	810	52		6.76	<0.010	67.1	171	150	556	0.05	0.04					<0.5	2.44
MW-223S	Nov-94	11	828		13	1378	853	5		6.69	<0.010	53.6	173	39	980	0.09	0.33	2	10		0.007	<0.5	1.75
MW-223S	March-95	9.5	795		16	665	657	<1		6.72	<0.010	67.5	150	80	1032	0.07	0.17	<6.0				<0.5	
MW-223S	June-95	11.5	808		20	640	3570	<1		6.69	<0.010	121.1	167	32	1060	1.48	<0.05	<2				<0.5	<0.2
MW-223S	Sept. - 95	11	718		15	512	837	10		6.86	<0.010	-77.9	148	47	1120	0.1	<0.05	<2				<0.5	<0.2
MW-223S	Nov-95	9	732		16	519	862	<1		6.92	<0.010	-75.3	159	86	1012	<0.02	<0.05	<2			<0.004	0.92	0.7
MW-223S	April-96	10.1	730		21	1700	440	26		5.8	<0.002	55	120	150	1100	0.051	0.12	4.2			<0.01	<0.5	3
MW-223S	June-96	11.4	720		7.5	1530	800	1.2		6.5	<0.002	57	54	120	930	0.11	<0.02	<4				7.3	<2
MW-223S	Sept-96	11.8	870		<10	1500	680	1		6.5	<0.002	10	390	31	920	0.14	<0.02	<4				0.48	<2
MW-223S	Nov-96	11.5	710		15	1310	600	3.2		7.09	<0.002	65	560	7.9	870	0.11	<0.02	<4			<0.01	1.3	<2
MW-223S	March-97	9.9	720		13	1730	620	2.2		6.1	<0.002	-10	100	337	970	0.096	<0.02	<4				0.58	<2
MW-223S	June-97	11.7	550		23	1430	780	1.8		6.45	<0.002	335	100	260	970	0.032	<0.02	<4				0.46	<2
MW-223S	Sept-97	11.8	540		18	1100	690	3.4		6.8	<0.002	25	89	80	880	0.28	0.031	4				0.95	<2
MW-223S	Dec-97	10.6	760		27	1450	710	2		7.15	<0.002	-20	120	195	770	0.075	<0.02	<4				0.34	<2
MW-223S	Mar-98	9.6	450		23	1330	500	1.9		7.34	<0.002	10	140	127	660	0.16	0.02	<4			<0.01	0.36	<2
MW-223S	June-98	13.6	830		29	1500	820	2.8		7.02	<0.002	-85	150	380	920	0.094	<0.02	<4				0.32	<1
MW-223S	Sept-98	12.1	600		22	1120	760	2.8		6.75	<0.002	-90	130	180	780	0.11	<0.02	<4				0.58	<1
MW-223S	Dec-98	10.8	310		29	635	960	2.7		7.45	<0.002	25	62	142	540	0.33	0.033	9				0.82	<1
MW-223S	Apr-99	11.4	650		28	1390	750	2.2		7.24	<0.002	-80	110	113	890	0.049	<0.02	<4				0.9	<0.1
MW-223S	June-99	11.3	570		21	1390	880	1.8		6.15	<0.002	20	110	82	790	0.11	<0.02	<4				0.36	<0.1
MW-223S	Sept-99	12.8	720		30	1410	800	2.5		7.01	<0.002	35	120	167	940	0.044	<0.02	<4				0.37	<0.1
MW-223S	Dec-99	11	680		24	1360	780	1.8		8.35	<0.002	95	110	312	860	0.044	<0.02	<4			<0.03	0.44	0.11
MW-223S	Apr-00	10.2	701		28	1415	775	2.4		6.93	0.056	-72	100	7.9	948	0.211	<0.05	<3			<0.01	<1	<1
MW-223S	Jun-00	12.8	644		30.5	1090	784	2.7		6.99	<0.004	-98	130	15.7	959	0.105	<0.05	<3				1.36	<1
MW-223S	Sept-00	11.5	688		27.9	1451	814	2		6.79	0.0079	-43	140	11	927	<0.1	<0.05	<3				<1	<1
MW-223S	Dec-00	9.4	659		24.6	1370	783	3.6		7.08	<0.004	10	120	5.5	891	<0.1	<0.05	<3				2.18	<1
MW-223S	Mar-01	13.1	630		23.8	1378	718	2.5		6.76	<0.004	-66	120	22	852	<0.1	<0.05	<3				2.15	<1
MW-223S	Sept-01	12.8	579		25.3	1385	711	4.5		6.83	0.0053	-46	141	18	877	<0.1	<0.05	<3				<1	<1
MW-223S	Dec-01	10.9	627		26.7	1353	696	1.6		6.67	0.0059	-44	121	3.33	851	<0.1	<0.1	<3				1.01	<1
MW-223S	Mar-02	10.2	733		22	1278	713	1.2		6.68	<0.004	-43	97.9	10.24	834	<0.1	<0.1	<3				3.55	<1
MW-223S	Jun-02	12.3	649		22.6	1359	694	2.7		6.76	<0.004	-43	110	13.7	879	<0.1	<0.1	<3				<1	<1
MW-223S	Sept-02	11.8	639		21.5	1301	674	93		6.75	<0.004	140.7	97.8	2.2	859	<0.1	<0.1	3			<0.01	1.54	<1
MW-223S	Dec-02	10	633		23.3	1374	745	1.2		6.81	<0.004	6.7	95.9	9.8	820	<0.1	<0.1	<3				<1	<1
MW-223S	Apr-04	11.3	622		19.2	631	619	<1		11.24	<0.004	131	75.9	71.2	775	<0.10	<0.1	<3			<0.005	<0.01	<1
MW-223S	Jun-05	19	182	<10.0	48	485	295	1.57		8.03	<0.0100	103	76.2	40	272	<1.00	<0.200	<4.00			<0.010	<0.010	<1.00

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) (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)	Bromide (mg/l)
Class GA Groundwater Quality Standards and Guidance Values																							
MW-223D	Sep-87	11.5	690	22.3	11.3	1380	760	2.4	6.6		0.027		220	25	917	0.08	<0.10	20	<5.0	0.2	<0.01	0.16	
MW-223D	May-88	12.5	680		13	1268	740	4.2	6.83		<0.005		186	54	908	0.13		18	<5.0			<0.20	
MW-223D	Aug-88	13	941		17.7	1383	860	9.6	6.89		<0.005		211	7	494	0.18		7	<5.0			0.4	
MW-223D	Nov-88	10.3	395		13.9	621	410	2.18	8		0.03		639	5	396	0.13		21	5			0.38	
MW-223D	Feb-89	8	676	12.6	36	1458	868	5.3	7.37		<0.005	105	152	58	550	0.14	<0.10	10	<5.0		0.03	0.47	
MW-223D	Apr-89	12.5	488		16.5	720	525	19.3	7.66		0.007	-210	143	27	300	0.13		48	10			0.67	
MW-223D	Jun-89	12	752		42.9	1313	925	11.4	6.86		0.008		472	96	2020	0.04		16	25			0.27	
MW-223D	Nov-89	11.3	257		15.8	667	342	18.2	7.36		0.013	-35.45	133	30	489	0.23		36	<5.0			0.79	
MW-223D	Feb-90	11	834	<10	47.2	1563	987	44.1	6.99		<0.005	3.5	133	98	1070	0.08	<0.10	7	10	<0.005	<0.01		
MW-223D	Apr-90	10.45	669		30.3	830	862	441.4	7.03		<0.005	-8.9	119	19	712	0.04		94	10	<0.004	0.024	0.38	
MW-223D	Nov-90	10	830	17	39.1	1000	880	8.6	7		<0.010	229.4	129	225	1072	0.16	<0.1	11	25			<0.5	
MW-223D	Feb-91	10	846	<0.5	38.7	1400	980	97	6.7	6.8		82.3	157	240	1152	0.17	<0.04						
MW-223D	May-91	11	758	12.1	29.8	1100	990	4.9	6.8	6.61	<0.010	198.6	146.5	56	1107	0.07	<0.04						
MW-223D	Aug-91	10	724	7.3	22.9	1760	810	22.9	6.8	7	<0.010	222.7	176	140	1220	<0.03	<0.04						
MW-223D	Nov-91	11	760	6.7	22	1860	1171	26		6.52	<0.010	121.3	247	65	1144	0.26	<0.04						
MW-223D	Feb-92	11	800	7.4	25.7	1556	916	3	6.68		<0.010	59.5	173	43	968	0.05	0.05	3.4	<5		<0.010	<0.004	<0.5
MW-223D	May-92	12	682	<1.0	32	1484	803	<1.0		6.57	<0.010	93.3	16.5	34	860	<0.04	0.11						
MW-223D	Aug-92	13	734	6	25	1338	758	1		6.8	<0.010	49.4	173	87	1164	<0.04	<0.02					1.04	
MW-223D	Dec-92	10	662	6.9	20.5	1680	796	<1.0		6.93	<0.010	52.3	212	86	1080	<0.02	<0.02					<0.50	
MW-223D	Feb-93	10	722	<1.0	22.5	1251	662	58		6.86	<0.010	36.8	192	56	1028	<0.02	0.07					0.55	2.28
MW-223D	May-93	12	678	<1.0	21	565	785	12	6.84		<0.010	94.7	127	44	956	<0.02	<0.02	2		0.004	<0.004	<0.5	3.92
MW-223D	Aug-93	14	654	1	23	845	643	<1.0		6.73	<0.010	9.6	451	66	952	0.69	<0.02					<0.5	<0.2
MW-223D	Dec-93	10	616	8.8	21	1201	775	22		6.71	<0.010	94.3	141	50	798	<0.02	<0.05					<0.5	<0.2
MW-223D	34366	10.5	616	<1.0	20	1296	668	84		6.84	<0.010	60.7	148	280	780	<0.02	0.12	<2.0				1.1	
MW-223D	May-94	11.5	628	15.1	21.5	899	648	42		6.85	<0.010	26.7	135	56	788	<0.02	0.22		10	<0.004	<0.004	<0.50	2.28
MW-223D	Aug-94	13	604	<5.0	21	1114	710	<1		6.78	<0.010	50.8	139	14	1008	0.03	0.21	<2.0				0.55	3.92
MW-223D	Nov-94	11.5	719	14.3	21	889	605	25		6.89	<0.010	63.1	155	14	1008	0.03	0.21					<0.5	<0.2
MW-223D	March-95	11	622	5	22	632	603	36		6.81	<0.010	115.5	144	41	980	0.16	0.23	<2				<0.5	<0.2
MW-223D	June-95	11.5	674	<5.0	23	614	700	<1		6.72	<0.010	-46.6	132	21	904	0.37	0.09	<2				<0.5	<0.2
MW-223D	Sept. - 95	11.5	702	12.5	22	488	756	<1		6.84	<0.010	-50.3	129	15.5	1016	0.08	<0.05	<2				<0.5	0.3
MW-223D	Nov-95	9	604	<5.0	20	489	604	<1		6.98	<0.010	-53.5	152	66	884	<0.02	0.08	<2		<0.004	<0.004	<0.5	<0.2
MW-223D	April-96	10	440	10	22	760	720	1.6		6.8	<0.002	130	110	290	660	<0.02	0.24	<4	100	<0.01	<0.01	1.1	3.5
MW-223D	June-96	11.7	340	5.1	10	1110	480	1.6		6.7	<0.002	100	52	20	550	0.036	0.07	<4				5.6	<2
MW-223D	Sept-96	11.7	700	5.3	<10	1300	560	1		7.19	<0.002	50	170	28	820	0.052	<0.02	<4				0.66	<2
MW-223D	Nov-96	11.1	440	1	20	1050	460	2.7		6.6	<0.002	25	90	24	640	<0.03	<0.02	<4				0.65	<2
MW-223D	March-97	9.3	320	8.6	18	1340	370	2.2		6.6	<0.002	0	92	20	520	0.12	<0.02	<4	15	<0.01	<0.01	0.88	<2
MW-223D	June-97	12.1	730	<2	21	1180	630	1.9		6.76	0.0037	40	100	<1	850	<0.03	<0.02	<4				0.54	<2
MW-223D	Sept-97	12	470	9.1	23	950	540	3.2		7.18	<0.002	40	94	135	750	0.048	0.049	4.6				0.49	<2
MW-223D	Dec-97	10.8	570	27	19	1290	610	2.1		7.18	<0.002	30	110	147	710	<0.03	<0.02	<4				0.34	<2
MW-223D	Mar-98	10	370	4.3	17	884	430	1.9		7.64	<0.002	20	82	285	470	0.16	<0.02	<4				0.56	<2
MW-223D	June-98	13	690	7.3	16	1180	650	2.1		6.91	<0.002	65	98	399	730	0.039	0.021	<4	15	<0.01	<0.01	0.27	<1
MW-223D	Sept-98	12.3	500	23	22	1000	580	2.9		6.81	<0.002	<-95	94	430	670	<0.03	<0.02	<4				0.74	<1
MW-223D	Dec-98	11.2	530	1.4	6.4	990	880	2.7		7.02	<0.002	20	64	370	710	0.2	<0.02	9.3				0.42	<1
MW-223D	Apr-99	10.9	600	13	26	1320	720	2.4		7.21	<0.002	-50	120	113	840	<0.03	<0.02	<4				0.83	<0.1
MW-223D	June-99	11	470	6.4	17	1040	700	1.9		6.46	<0.002	150	110	194	660	<0.03	<0.02	<4				0.57	<0.1
MW-223D	Sept-99	12.7	630	19	22	1250	700	2.6		6.96	<0.002	75	100	544	790	<0.03	<0.02	<4				0.33	0.14
MW-223D	Dec-99	11.1	430	20	17	980	550	1.7		8.33	<0.002	85	120	550	650	<0.03	<0.02	<4	30	<0.01	<.03	0.36	<0.1
MW-223D	Apr-00	9.8	593	<10	24.1	1190	661	2.1		7.3	0.008	-76	98	8.2	788	0.134	<0.05	<3	75	<0.01	<0.01	<1	<1
MW-223D	June-00	13.8	618	<10	25	950	696	2.1		7.31	<0.004	-115	110	25.8	826	<0.1	<0.05	<3				<1	<1
MW-223D	Sept-00	11.4	607	<10	25	1325	742	2.2		6.98	<0.004	-22	150	15	842	<0.1	<0.05	<3				<1	<1
MW-223D	Dec-00	9.6	696	17.2	24.8	1345	781	2.6		7.01	<0.004	37	140	9.1	920	<0.1	<0.05	<3				2.18	<1
MW-223D	Mar-01	10.8	655	<10	24.4	1338	727	3.2		7.17	<0.004	-23	140	7.2	812	<0.1	<0.05	<3				2.46	<1
MW-223D	Jun-01	12.8	593	<10	26.2	1303	678	4.4		6.92	<0.004	-33	143	11	813	<0.1	<0.1	<3				<1	<1
MW-223D	Sept-01	11.9	552	<10	23.7	1295	695	2.1		6.94	<0.004	-50	126	7.63	796	<0.1	<0.1	<3				<1	<1
MW-223D	Dec-01	10.8	606	<10	31.3	1314	713	1.9		6.98	0.012	-3	120	5.75	810	<0.1	<0.1	<3				<1	<1
MW-223D	Mar-02	10	689	<10	23.9	1240	731	1.7		6.79	<0.004	-12	116	4.11	837	<0.1	<0.1	<3				<1	<1
MW-223D	Jun-02	11.6	635	<10	25.3	1262	678	2.3		6.81	<0.004	-27	98.1	5.9	804	<0.1	<0.1	<3				<1	<1
MW-223D	Sept-02	12.3	615	<10	25.4	1245	659	2.3		6.94	<0.004	863	96.3	2.5	784	<0.1	0.109	<3	15	<0.005	<0.01	<1	<1
MW-223D	Dec-02	9.9	717	<10	29.4	1230	628	1.5		6.98	<0.004	6.4	104	7.2	772	<0.1	<0.1	<3				<1	<1
MW-223D	Apr-04	11.4	490	<10	22.7	998	516	2.4		8.21	<0.004	118	94.5	20.9	696	<0.10	<0.1	<3	<5	<0.005	<0.01	<1	<1
MW-223D	Jun-05	17.5	38.2	35.3	<5.0	718	109	11.9		7.6	<0.0100	84	68.6	14									

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) (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)	Bromide (mg/l)	
Class GA Groundwater Quality Standards and Guidance Values																								
					250				6.5-8.5	0.001			250		500	2	10			0.2	0.05		2	
MW-303D	Nov-94	11.5	206	21.7	230	1073	214	8	9.58	<0.010	-29.5	156	156	12	772	0.48	0.36	<2.0					1.3	4.5
MW-303D	March-95	11	174	5	250	789	157	2	7.63	<0.010	50	144	144	5.2	748	0.5	0.07	<2					0.2	2.5
MW-303D	June-95	12	166	9.3	215	789	146	3	7.56	<0.010	-137.5	130	130	14	732	0.2	0.26	<2					<0.5	2.3
MW-303D	Sept. - 95	12	196	20.8	195	656	165	24	7.05	<0.010	-117.3	130	130	12	788	0.37	<0.05	<2					<0.5	2.1
MW-303D	Nov-95	10	128	8.2	212	612	164	<1	7.11	<0.010	-70.2	135	135	19	740	0.1	<0.05	<2	5	<0.004	<0.004		<0.5	2.1
MW-303D	April-96	10.6	190	1	11	1410	180	1.2	7	<0.002	55	130	130	360	700	0.086	0.021	<4	30	<0.01	<0.01		1.3	3.7
MW-303D	June-96	12	190	14	200	1350	250	<1	7.6	<0.002	84	120	120	33	730	0.1	<0.02	<4					7.4	2.1
MW-303D	Sept-96	11.7	370	15	190	1400	160	<1	7.7	<0.002	30	130	130	15	760	0.11	<0.02	<4					0.74	<2
MW-303D	Nov-96	11.3	200	<1	210	1320	160	1.6	7.9	<0.002	-45	160	160	14	720	0.21	<0.02	<4					0.74	<2
MW-303D	March-97	9.5	220	11	27	1450	170	1.3	6.6	<0.002	180	74	74	30	740	0.078	0.057	<4	10	<0.01	<0.01		7	2.1
MW-303D	June-97	12.5	240	<2	220	1290	150	1.4	7.96	<0.002	555	120	120	<1	750	<0.03	0.03	<4					0.95	2.1
MW-303D	Sept-97	14	260	28	190	1200	170	2	7.1	<0.002	195	120	120	19	4800	0.28	0.11	<4					0.74	<2
MW-303D	Dec-97	11.3	310	7	190	1320	170	1.5	7.63	<0.002	-60	120	120	80	690	0.5	0.02	<4					0.61	<2
MW-303D	Mar-98	10.7	260	1	210	1280	190	1.1	7.84	<0.002	-20	120	120	435	770	0.22	0.029	<4	6	<0.01	<0.01		0.6	3.6
MW-303D	June-98	16	240	<3	230	1180	180	1.3	6.72	<0.002	<-100	120	120	45	650	0.2	0.054	18					0.76	<1
MW-303D	Sept-98	12.7	240	8.8	220	1220	210	1.8	7.09	<0.002	-65	110	110	106	750	0.21	<0.02	<4					0.84	<1
MW-303D	Dec-98	11.1	220	<1	240	1150	230	1.6	6.95	<0.002	-60	140	140	119	670	0.25	0.064	<4					0.64	<1
MW-303D	Apr-99	10.4	210	<1	200	1320	180	1.4	7.92	<0.002	20	110	110	82	730	0.19	0.031	<4					0.74	2.2
MW-303D	Jun-99	11.8	220	4.1	190	1240	260	1.2	7.6	0.0023	10	110	110	212	710	0.35	0.042	<4					0.9	1.9
MW-303D	Sept-99	14.4	280	11	140	1170	270	1.8	7.2	<0.002	245	98	98	206	680	0.47	0.028	<4					1	1.5
MW-303D	Dec-99	10.9	260	6.7	150	1180	230	1.6	8.68	<0.002	40	110	110	247	660	0.43	0.23	<4	3	<0.01	<0.03		0.87	1.6
MW-303D	Apr-00	10.2	257	<10	174	1160	203	1.6	7.66	<0.004	-102	97	97	5.9	670	0.679	<0.05	3	20	<0.01	<0.01		1.64	2.09
MW-303D	Jun-00	14.5	246	<10	180	910	198	1.5	7.68	<0.004	-113	92	92	18.8	682	0.552	0.058	4				2.3	<1	
MW-303D	Sept-00	11.8	243	<10	180	1226	207	1.5	8.03	<0.004	-83	110	110	10	676	0.578	<0.05	3				<1	1.17	
MW-303D	Dec-00	9.9	257	<10	152	1187	221	1.9	7.54	0.0063	-20	110	110	13	651	0.625	0.121	<3				1	<1	
MW-303D	Mar-01	10.5	267	<10	168	1164	187	1.3	7.48	<0.004	-121	110	110	3.5	650	0.607	0.134	4				<1	1.29	
MW-303D	Jun-01	13.5	308	<10	188	1211	177	3.3	7.96	<0.004	-117	113	113	8	670	0.534	<0.1	<3	20	<0.01			1.35	1.7
MW-303D	Sept-01	15.6	368	<10	182	1225	204	1.4	7.82	<0.004	-123	100	100	2.55	677	0.737	<0.1	<3					1.53	1.3
MW-303D	Dec-01	10.5	253	<10	148	1157	189	1.6	7.95	<0.004	-107	95.8	95.8	6.51	635	0.814	<0.1	<3				<1	1.4	
MW-303D	Mar-02	10.6	254	<10	135	1064	195	1.1	7.75	<0.004	-87	103	103	5.41	628	0.385	0.519	<3				<1	1.34	
MW-303D	Jun-02	13.5	250	<10	154	1077	193	2	8.09	<0.004	-54	103	103	5.9	872	0.434	0.239	<3				<1	1.65	
MW-303D	Sept-02	12.2	283	<10	151	1023	199	1	7	<0.004	-90.6	91.9	91.9	27.9	609	0.985	<0.1	<3	20	<0.005	<0.01		<1	1.59
MW-303D	Dec-02	10.7	287	<10	164	1102	215	1.1	7.71	<0.004	-61	103	103	5.7	676	1.15	<0.1	<3					1.14	1.57
MW-303D	Apr-04	12.4	220	<10	45.6	1205	191	1.7	7.59	<0.004	-26	102	102	9.7	721	0.94	<0.1	<3	20	<0.005	<0.01		<1	1.76
MW-303D	Jun-05	16.2	214	20.5	180	684	197	1.74	8.01	<0.0100	109	127	127	18	720	<1.00	0.37	<4.00	15	<0.0100	<0.010		<1.00	2.65

TABLE II - 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) (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)	Bromide (mg/l)	
Class GA Groundwater Quality Standards and Guidance Values																								
MW-303S	Nov-94	13.5	743	39.1	45	907	1030	30	6.58	0.02	0.02	74.1	118	460	936	2.59	0.31	<2.0		0.2	<0.05		2.05	2.85
MW-303S	March-95	10.5	682	20	35	664	874	<1	6.5	<0.010		125	120	265	892	1.04	0.2	<2				1.17	0.3	
MW-303S	June-95	11.5	590	60.5	57	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	952	4.47	<0.05	4				3.15	0.5	
MW-303S	Nov-95	11	684	32.6	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	April-96	8.7	690	30	38	1770	920	4.2	6.5	<0.002		36	130	>900	900	0.81	0.03	23	500	<0.01	<0.01		1.6	
MW-303S	June-96	11.4	650	43	5	1440	680	2.6	6.3	<0.002		36	120	>900	880	2	<0.02	10				9.7	<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				6.7	<2	
MW-303S	Nov-96	11.6	650	58	23	1470	660	4.3	6.45	<0.002		5	62	280	810	7.6	<0.02	11				9	<2	
MW-303S	March-97	9	710	17	27	1650	660	3.8	5.8	<0.002		40	96	>999	790	5.7	<0.02	16	25	<0.01	<0.01	8.9	<2	
MW-303S	June-97	12	280	57	28	1400	870	3.9	6.51	<0.002		150	87	>999	860	4.6	<0.02	<4				7.6	<2	
MW-303S	Sept-97	14	700	21	32	1300	820	4.7	6.3	0.0044		70	76	1200	810	12	0.026	9.8				10	<2	
MW-303S	Dec-97	11	1200	47	27	1460	950	4.9	6.52	<0.002		-35	96	>999	820	11	<0.02	13				13	<2	
MW-303S	Mar-98	10.2	860	15	22	1370	840	4.2	7.05	<0.002		85	100	>999	820	5.9	<0.02	9.8				8	3.6	
MW-303S	June-98	15.8	640	<3	12	1120	650	3.9	6.14	<0.002		-75	51	819	610	5.7	0.024	11		<0.01	<0.01	8.3	<1	
MW-303S	Sept-98	13.2	730	30	16	1260	980	4.8	6.36	<0.002		35	45	>999	780	7.1	<0.02	8.9				8	<1	
MW-303S	Dec-98	9.6	620	160	20	1240	1400	4.9	6.8	<0.002		-45	27	942	710	8.1	<0.02	7.8				7.5	<1	
MW-303S	Apr-99	10.5	630	13	30	1380	920	4.1	7.48	<0.002		-75	81	>999	780	5.4	<0.02	20				5.8	<0.1	
MW-303S	Jun-99	12.6	620	23	28	1280	1100	4.1	7.02	0.0021		-35	67	>999	740	6.6	<0.02					8.1	<0.1	
MW-303S	Sept-99	14.6	660	20	24	1320	1200	4.2	6.19	<0.002		65	98	>999	830	6.8	<0.02	15				8.9	0.21	
MW-303S	Dec-99	12	1000	25	26	1410	1100	3.8	8.02	<0.002		45	94	>999	760	7.4	<0.02	12		<0.01	<0.01	9	0.23	
MW-303S	Apr-00	9.7	636	<10	19.2	1240	653	3.2	6.81	<0.002		-29	89	60	773	4.36	<0.05	4	750	<0.01	<0.01	5.46	<1	
MW-303S	Jun-00	14.7	566	13.5	22	875	611	3.6	6.93	0.006		-84	30	121	650	4.31	<0.05	6				4.55	<1	
MW-303S	Sept-00	13.2	586	17.5	16.7	1136	543	3.6	6.77	<0.004		-43	12	29	616	3.9	<0.05	<3				3.96	<1	
MW-303S	Dec-00	10.4	637	<10	18.4	1206	625	<1	7	0.0042		-12	23	3.8	659	4.69	<0.05	<3				4.69	<1	
MW-303S	Mar-01	9.7	640	<10	19.9	1221	585	4.2	6.9	<0.004		-40	48	6.7	635	4.23	<0.05	5				3.68	<1	
MW-303S	Jun-01	14.5	594	10.6	23	1226	559	5.9	6.65	<0.004		-74	25.5	5.5	640	4.39	<0.1	4	175	<0.01	<0.01	5.04	<1	
MW-303S	Sept-01	14.3	576	<10	21.7	1142	528	3	6.89	0.131		-188	15.9	90.3	621	3.72	<0.1	6				4.71	<1	
MW-303S	Dec-01	12.1	589	12.6	22.1	1245	587	2.8	6.91	<0.004		-82	22	24.9	686	4.46	<0.1	<3				4.11	<1	
MW-303S	Mar-02	10.9	746	<10	23.8	1185	597	3.1	6.79	<0.004		-48	41.2	8.62	702	4.99	<0.1	<3				3.32	<1	
MW-303S	Jun-02	12.6	607	<10	23.8	1226	587	4	7.04	<0.004		-71	32.5	5.7	712	5.14	<0.1	4				5.18	<0.1	
MW-303S	Sept-02	14	582	<10	21.6	1023	580	3.3	7	0.014		-86.3	21.3	4.85	710	4.86	<0.1	4	100	<0.005	0.012	4.74	<1	
MW-303S	Dec-02	11.8	584	10.2	19.7	1157	564	3.3	6.76	<0.004		-82	11.9	10	588	4.52	<0.1	6				4.13	<1	
MW-303S	Apr-04	10.4	483	11	10.2	927	446	3.9	7.24	<0.004		104	<5.0	2.2	533	1.75	<0.1	5	<5	<0.005	<0.01	3.4	<1	
MW-303S	Jun-05	17.4	476	35.3	7.7	904	447	4.42	7.55	<0.0100		82	<5.00	31	516	<1.00	0.68	14.2	40	<0.0100	<0.010	1.32	<1.00	

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) (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)	Bromide (mg/l)	
Class GA Groundwater Quality Standards and Guidance Values																								
Standards and Guidance Values																								
MW - 304D	Nov-94	11.5	598	8.7	70	835	379	22	6.89	0.013	54.3	61.7	26	804	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	752	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	844	1.73	0.24	<2						1.68	1.1
MW-304D	Sept. - 95	12	552	12.5	66	495	568	17	6.85	<0.010	-87.8	58.4	45	816	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	760	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	730	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	730	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	400	67	29	740	1.1	<0.02	<4					2.2	<2	
MW-304D	Nov-96	10.1	250	<1	68	691	320	2.3	7.46	<0.002	25	100	22	500	0.61	<0.02	<4					1.2	<2	
MW-304D	March-97	8.9	590	19	58	1320	460	4	7	<0.002	10	66	127	690	0.85	<0.02	<4		15	<0.01	<0.01		1.8	<2
MW-304D	June-97	12.7	670	<1	50	1160	490	3.2	6.88	<0.002	125	74	<1	710	1.3	<0.02	<4					2.2	<2	
MW-304D	Sept-97	12.8	590	<1	56	1100	460	3.4	7.2	0.0022	25	47	47	750	1.2	0.24	<4					0.71	<2	
MW-304D	Dec-97	10.9	530	<1	52	1110	480	3.1	7.21	<0.002	-5	63	48	700	1.2	<0.02	<4					1.4	<2	
MW-304D	Mar-98	11	490	2.2	58	1040	430	2.7	7.41	<0.002	55	61	113	650	0.91	<0.02	<4					1.9	<2	
MW-304D	June-98	15.4	540	3.6	47	1070	460	3.4	6.5	<0.002	-85	51	40	670	0.91	0.039	<4					2.2	<1	
MW-304D	Sept-98	11.9	370	16	53	853	430	2.8	6.95	<0.002	230	45	110	550	0.61	<0.02	<4					1.2	<1	
MW-304D	Dec-98	11.1	190	<1	89	620	290	1.3	7.18	<0.002	110	66	122	360	0.092	0.06	<4					0.38	<1	
MW-304D	Apr-99	11.3	410	<1	62	1100	380	3	7.03	<0.002	-95	55	149	620	1.5	<0.02	<4					1.6	0.54	
MW-304D	Jun-99	11.9	470	7.6	54	1070	580	2.7	7.02	0.0021	-5	52	133	620	1.3	<0.02	<4					2	0.42	
MW-304D	Sept-99	12.7	520	12	52	1090	530	3.1	6.75	<0.002	10	46	124	650	0.93	<0.02	<4					1.8	0.5	
MW-304D	Dec-99	10.8	420	6.6	58	1010	460	2.3	8.57	<0.002	45	51	215	560	0.92	<0.02	<4		25	<0.01	<.03	1.3	0.52	
MW-304D	Apr-00	10.6	444	13.2	55.2	960	454	3.1	7.07	<0.004	-69	55	33	570	1.56	<0.05	<3		100	<0.01	<0.01	1.56	<1	
MW-304D	Jun-00	13.8	358	<10	53.6	725	308	2.5	7.29	<0.004	-97	34	28.2	567	1.33	0.745	<3					1.64	<1	
MW-304D	Sept-00	11.2	402	<10	50.3	904	365	1.6	7.07	<0.004	-71	34	12	473	1.04	<0.05	<3					<1	<1	
MW-304D	Dec-00	10.1	233	<10	48.9	697	241	1.2	7.62	0.0077	-29	43	5.9	609	0.331	<0.05	<3					1.17	<1	
MW-304D	Mar-01	11.1	510	<10	47	1155	491	3.8	7.07	0.0043	-56	33	3.8	618	2.1	<0.05	<3					1.07	<1	
MW-304D	Jun-01	12.3	257	<10	50.3	1019	419	5.7	7	<0.004	-63	45	19	559	1.88	<0.1	<3		100	<0.01		2.69	<1	
MW-304D	Sept-01	12.9	233	<10	57.2	736	341	1.5	7.41	<0.004	-86	51.5	23.3	444	0.701	<0.1	<3					1.01	<1	
MW-304D	Dec-01	11.1	178	<10	65.3	714	257	<1	7.16	<0.004	-100	57	5.3	385	0.296	<0.1	<3					<1	<1	
MW-304D	Mar-02	9.7	196	<10	65.5	556	243	<1	7.31	<0.004	-71	60	7.7	383	0.329	<0.1	<3					<1	<1	
MW-304D	Jun-02	12.7	242	<10	61.5	723	316	1.9	7.31	<0.004	-72	59.9	10.7	406	0.897	<0.1	<3					1.14	<1	
MW-304D	Sept-02	12.2	169	<10	58.6	648	225	1.6	7.56	<0.004	88.6	52	3.19	400	0.384	<0.1	<3		30	<0.005	<0.01	<1	<1	
MW-304D	Dec-02	10	212	<10	69.6	9.5	224	1.1	7.76	0.004	-47	63.5	26.12	372	0.166	<0.1	<3					<1	<1	
MW-304D	Apr-04	12.1	162	<10	55.2	613	202	1.2	7.64	<0.004	41	55.1	3.7	383	0.171	<0.1	<3					<1	<1	
MW-304D	Jun-05	19.8	149	<10.0	58	570	216	1.31	8.47	<0.0100	135	61.6	9	432	1.68	<0.200	<4.00					<1.00	<2.00	

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) (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)	Bromide (mg/l)
Class GA Groundwater Quality Standards and Guidance Values																							
MW-304S	Nov-94	12	852	30.4	29	893	494	33	6.75	0.013	69.1	77	660	884	0.49	0.37	<2.0	<2.0		0.2	0.05	1.53	4.9
MW-304S	March-95	10.5	824	20	25	657	966	3	6.73	<0.010	101.7	82.5	530	904	0.33	0.31	<2	<2				0.56	<0.2
MW-304S	June-95	12.5	606	18.6	350	585	718	<1	6.57	<0.010	-77.7	89.4	380	844	0.37	0.25	<2	<2				0.69	<0.2
MW-304S	Sept. - 95	11.5	806	45.8	30	497	846	<1	6.84	<0.010	-80.1	89.4	1500	920	0.4	0.06	<2	<2				1.09	0.5
MW-304S	Nov-95	10	772	12.2	28	516	669	<1	6.85	<0.010	-41.7	87.3	550	916	0.1	0.08	<2	<2	15	<0.004	<0.004	<0.5	0.3
MW-304S	April-96	10.1	800	75	30	1500	550	3.7	6.8	<0.002	45	83	220	870	0.24	<0.02	<4	<4	500	<0.01	<0.01	3.1	3
MW-304S	June-96	11.6	700	16	14	1480	890	2.8	6.7	0.0041	70	52	>900	900	0.14	<0.02	<4	<4				5.1	<2
MW-304S	Sept-96	12.1	590	130	28	1400	730	2.8	6.5	<0.002	402	45	24	860	0.31	<0.02	<4	<4				0.83	<2
MW-304S	Nov-96	10.4	710	60	23	1440	900	5.3	6.74	<0.002	-10	560	220	840	0.25	<0.02	<4	<4				0.77	<2
MW-304S	March-97	10	750	21	45	1450	730	7	6.7	<0.002	-5	90	171	840	0.086	<0.02	<4	<4				0.59	<2
MW-304S	June-97	12.5	770	<1	29	1340	1100	4	6.6	<0.002	45	130	>999	840	0.12	<0.02	<4	<4				1.1	<2
MW-304S	Sept-97	12.8	780	40	25	1200	990	4	6.9	<0.002	25	45	140	1700	0.29	<0.02	<4	<4				0.78	<2
MW-304S	Dec-97	11.3	740	<1	24	1340	920	5.3	6.95	<0.002	-30	71	>999	870	0.24	<0.02	5	<4				0.56	<2
MW-304S	Mar-98	10.3	750	19	26	1300	910	3.8	7.2	<0.002	110	52	>999	800	0.26	<0.02	<4	<4				0.91	<2
MW-304S	June-98	14.8	830	14	20	1260	770	3.8	6.43	<0.002	-65	40	>999	830	0.23	<0.02	<4	<4	40	<0.01	<0.01	0.68	<1
MW-304S	Sept-98	12.3	730	130	20	1240	1400	4.7	6.46	<0.002	-50	20	>999	750	0.21	<0.02	<4	<4				0.51	<1
MW-304S	Dec-98	10.9	650	110	13	1210	1300	4.2	7.27	<0.002	-80	37	>999	770	0.39	<0.02	<4	<4				0.95	<0.1
MW-304S	Apr-99	11.7	590	34	26	1340	1300	4.6	6.74	<0.002	-10	29	>999	750	0.33	<0.02	<4	<4				0.99	<0.1
MW-304S	Jun-99	11.5	680	31	24	1270	1300	3.9	6.51	<0.002	15	29	>999	770	0.27	<0.02	<4	<4				0.94	0.22
MW-304S	Sept-99	12.7	720	34	25	1220	1200	4	8.17	<0.002	75	24	>999	750	0.28	<0.02	<4	<4	25	<0.01	<0.01	0.96	0.17
MW-304S	Dec-99	10.9	780	29	25	1260	1300	4	6.94	<0.002	-81	26	>999	750	0.583	<0.05	<3	<3	1500	<0.01	<0.01	<1	<1
MW-304S	Apr-00	10.6	688	12.5	27.6	1210	830	3.7	7.12	<0.004	-97	14	13.3	730	0.51	<0.05	<3	<3				<1	<1
MW-304S	Jun-00	13.8	668	<10	25.8	925	675	3	6.93	0.0062	-51	9	190	729	0.492	<0.05	<3	<3				1.63	<1
MW-304S	Sept-00	10.7	659	<10	25	1258	713	3.9	7	<0.004	-10	11	35	697	0.639	<0.05	<3	<3				<1	<1
MW-304S	Dec-00	10.6	671	<10	24.6	1215	653	<1	7.02	<0.004	-45	11	12	659	0.595	<0.05	<3	<3				<1	<1
MW-304S	Mar-01	11.3	528	<10	24.5	1225	583	4.4	6.78	<0.004	-78	5.21	27	691	0.479	<0.1	<3	<3	125	<0.01	<0.01	<1	<1
MW-304S	Jun-01	12.4	650	11.2	26.6	1229	621	5.8	6.87	<0.004	-75	5.33	24.1	698	0.656	<0.1	<3	<3				1.35	<1
MW-304S	Sept-01	12.9	519	<10	25.9	1227	624	2.9	6.93	<0.004	-60	<5	15	691	0.473	<0.1	<3	<3				<1	<1
MW-304S	Dec-01	11.4	640	<10	27.4	1205	641	2.8	6.8	<0.004	-12	59.5	0.8	712	0.528	<0.1	<3	<3				<1	<1
MW-304S	Mar-02	10.4	746	<10	65.1	1006	629	3.1	7.01	<0.004	-48	8.33	2.4	689	0.58	<0.1	<3	<3				<1	<1
MW-304S	Jun-02	12.7	674	<10	26.6	1204	591	4.2	6.91	<0.004	-62.4	<5	0.97	701	0.589	<0.1	<3	<3	60	<0.005	<0.01	<1	<1
MW-304S	Sept-02	12.1	654	<10	27.4	1173	594	2.6	6.87	<0.004	-48	5.91	10	719	0.701	<0.1	<3	<3				1.21	<1
MW-304S	Dec-02	6.9	630	<10	31	1198	608	3	7.25	<0.004	38	<5.0	2	660	0.734	<0.1	<3	<3	25	<0.005	<0.01	1	<1
MW-304S	Apr-04	12.2	549	<10	26.1	1116	503	3.6	7.35	<0.0100	173	9.48	30	618	<1.00	0.6	<4.00	<4.00	300	<0.0100	<0.010	<1.00	<1.00
MW-304S	Jun-05	17.4	536	26.4	28	851	569	7.04															

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) (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)	Bromide (mg/l)	
Class GA Groundwater Quality Standards and Guidance Values																								
					250				6.5-8.5	0.001			250		500	2	10			0.2	0.05		2	
MW - 304VS	Nov-94	12.5	658	34.8	400	1176	983	24	6.81	<0.010	188.1	85.2	1800	1564	0.25	0.09	6.2						0.69	4.35
MW - 304VS	March-95	9	828	45	840	921	1600	5	6.71	<0.010	124.7	85.8	860	2640	0.31	0.24	5						0.84	<0.2
MW - 304VS	June-95	15	448	46.5	740	895	478	<1	6.64	<0.010	7.4	66.3	540	2392	0.2	0.26	<2						1.09	<0.2
MW-304VS	Sept. - 95	17.5	567	33.3	465	822	719	<1	6.57	<0.010	62.2	65.4	1300	1420	0.21	0.07	<2						0.69	1.3
MW-304VS	Nov-95	8.5	568	32.6	355	721	545	<1	6.79	<0.010	113.5	72	770	1160	0.03	<0.05	<2		10	<0.004	<0.004		<0.5	<0.2
MW-304VS	April-96	5.1	590	120	11	1720	600	6.4	7.4	<0.002	135	61	>900	930	0.17	0.022	5.4		750	<0.01	<0.01		2.6	3.1
MW-304VS	June-96	14.7	440	150	220	1580	500	5	7	0.0058	170	79	>900	880	0.094	<0.02	4						6.9	<2
MW-304VS	Sept-96	16.8	550	100	180	2200	670	4.8	6.8	<0.002	388	<200	24	920	0.18	<0.02	<4						0.72	<2
MW-304VS	Nov-96	9.6	480	63	190	1780	630	5.8	6.97	<0.002	165	11	290	870	0.12	<0.02	<4						1.7	<2
MW-304VS	March-97	4.7	400	55	600	2780	670	3.9	7.1	<0.002	70	61	50	1700	0.14	<0.02	<4		10	<0.01	<0.01		0.71	<2
MW-304VS	June-97	14.8	480	<1	830	3390	1400	4.6	6.77	0.0031	190	120	>999	2800	0.076	0.27	4						1.4	<2
MW-304VS	Sept-97	16.5	740	21	480	2500	1200	5.2	7	<0.002	200	41	840	720	0.19	0.098	<4						0.83	<2
MW-304VS	Dec-97	9.1	450	<1	280	2230	1100	5.9	7.05	<0.002	25	42	>999	1200	0.13	<0.02	4					1	<2	
MW-304VS	Mar-98	5.2	490	13	340	1920	670	4.7	7.75	<0.002	345	45	134	1000	0.11	0.025	<4					1.4	<2	
MW-304VS	June-98	16.8	550	17	250	1490	580	4.9	6.65	<0.002	-15	28	>999	860	0.2	0.052	<4		12	<0.01	<0.01		1	<1
MW-304VS	Sept-98	Location Not Sampled																						
MW-304VS	Dec-98	10.2	430	93	270	1300	840	5	7.01	<0.002	25	23	>999	800	0.049	0.1	<4						0.63	<1
MW-304VS	Apr-99	8	410	9.1	140	1340	540	4.5	6.87	<0.002	180	45	933	740	0.032	<0.02	<4						0.58	<0.1
MW-304VS	Jun-99	13.1	460	18	110	1220	680	4.7	7.33	<0.002	140	43	390	660	0.22	0.03	<4						1.3	<0.1
MW-304VS	Sept-99	17.7	440	15	250	1330	530	4.7	6.39	<0.002	5.45	42	>999	940	0.22	0.048	<4						0.78	<0.1
MW-304VS	Dec-99	9.1	400	19	180	1390	760	4.2	8.75	<0.002	340	39	>999	860	0.076	0.036	<4		1	<0.01	<.05		0.99	<0.1
MW-304VS	Apr-00	7.8	365	70.8	748	275	890	4.9	7.03	<0.004	-33	64	15	1820	0.344	0.057	6		750	<0.01	<0.01		1.1	<1
MW-304VS	Jun-00	16.7	326	<10	753	2300	962	4	7.3	<0.004	-68	43	13.4	2110	0.403	<0.05	<3						<1	<1
MW-304VS	Sept-00	15.6	383	30.1	560	2450	630	9.1	7.03	<0.004	28	45	19	1400	0.347	<0.05	3						2.26	<1
MW-304VS	Dec-00	6	376	<10	82.8	2050	535	8.2	7.52	<0.004	71	61	3.7	1120	0.3	<0.05	<3					<1	<1	
MW-304VS	Mar-01	5.1	361	10.1	409	1888	427	4.8	7.27	0.0087	-30	54	4.6	1200	0.25	<0.05	4					<1	<1	
MW-304VS	Jun-01	15.7	378	12.9	473	2120	510	7	7.22	<0.004	52	37.5	7.7	1110	0.265	<0.1	6		125	<0.01			1.68	<1
MW-304VS	Sept-01	18.5	313	<10	385	1980	699	3.9	7.14	<0.004	41	35	4.85	1050	0.496	<0.1	<3					2.69	<1	
MW-304VS	Dec-01	10.5	386	<10	390	1809	518	3.6	7.47	<0.004	-20	35	9.63	1040	0.16	<0.1	<3					<1	<1	
MW-304VS	Mar-02	5.2	413	<10	342	1434	465	4.6	7.32	<0.004	75	30.1	5.9	590	0.283	<0.1	<3					<1	<1	
MW-304VS	Jun-02	15.2	412	<10	259	1721	328	5.1	7.45	<0.004	16	28.9	16	635	0.323	<0.1	<3					<1	<1	
MW-304VS	Sept-02	18.3	403	<10	356	1421	371	4.1	7.46	<0.004	-110.7	29.9	6.65	946	0.155	<0.1	<3		10	<0.005	<0.01		<1	<1
MW-304VS	Dec-02	7.8	386	<10	311	1427	467	3.8	7.5	<0.004	18	25.7	550	891	0.267	<0.1	<3					<1	<1	
MW-304VS	Apr-04	11	371	12	150	1065	239	3.7	8.34	<0.004	130	23.8	163	655	0.281	<0.1	<4		<5	<0.005	<0.01		<1	<1
MW-304VS	Jun-05	Sampling Location Dry																						

TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

[illegible]

TABLE 12 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

[illegible]

TABLE 12. HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Chemical	Unit	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
As	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	0.01

TABLE 12. HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Sample	6-A1	6-A2	6-A3	6-A4	6-A5	6-A6	6-A7	6-A8	6-A9	6-A10	6-A11	6-A12	6-A13	6-A14	6-A15	6-A16	6-A17	6-A18	6-A19	6-A20	6-A21	6-A22	6-A23	6-A24	6-A25	6-A26	6-A27	6-A28	6-A29	6-A30	6-A31	6-A32	6-A33	6-A34	6-A35	6-A36	6-A37	6-A38	6-A39	6-A40	6-A41	6-A42	6-A43	6-A44	6-A45	6-A46	6-A47	6-A48	6-A49	6-A50	6-A51	6-A52	6-A53	6-A54	6-A55	6-A56	6-A57	6-A58	6-A59	6-A60	6-A61	6-A62	6-A63	6-A64	6-A65	6-A66	6-A67	6-A68	6-A69	6-A70	6-A71	6-A72	6-A73	6-A74	6-A75	6-A76	6-A77	6-A78	6-A79	6-A80	6-A81	6-A82	6-A83	6-A84	6-A85	6-A86	6-A87	6-A88	6-A89	6-A90	6-A91	6-A92	6-A93	6-A94	6-A95	6-A96	6-A97	6-A98	6-A99	6-A100	6-A101	6-A102	6-A103	6-A104	6-A105	6-A106	6-A107	6-A108	6-A109	6-A110	6-A111	6-A112	6-A113	6-A114	6-A115	6-A116	6-A117	6-A118	6-A119	6-A120	6-A121	6-A122	6-A123	6-A124	6-A125	6-A126	6-A127	6-A128	6-A129	6-A130	6-A131	6-A132	6-A133	6-A134	6-A135	6-A136	6-A137	6-A138	6-A139	6-A140	6-A141	6-A142	6-A143	6-A144	6-A145	6-A146	6-A147	6-A148	6-A149	6-A150	6-A151	6-A152	6-A153	6-A154	6-A155	6-A156	6-A157	6-A158	6-A159	6-A160	6-A161	6-A162	6-A163	6-A164	6-A165	6-A166	6-A167	6-A168	6-A169	6-A170	6-A171	6-A172	6-A173	6-A174	6-A175	6-A176	6-A177	6-A178	6-A179	6-A180	6-A181	6-A182	6-A183	6-A184	6-A185	6-A186	6-A187	6-A188	6-A189	6-A190	6-A191	6-A192	6-A193	6-A194	6-A195	6-A196	6-A197	6-A198	6-A199	6-A200	6-A201	6-A202	6-A203	6-A204	6-A205	6-A206	6-A207	6-A208	6-A209	6-A210	6-A211	6-A212	6-A213	6-A214	6-A215	6-A216	6-A217	6-A218	6-A219	6-A220	6-A221	6-A222	6-A223	6-A224	6-A225	6-A226	6-A227	6-A228	6-A229	6-A230	6-A231	6-A232	6-A233	6-A234	6-A235	6-A236	6-A237	6-A238	6-A239	6-A240	6-A241	6-A242	6-A243	6-A244	6-A245	6-A246	6-A247	6-A248	6-A249	6-A250	6-A251	6-A252	6-A253	6-A254	6-A255	6-A256	6-A257	6-A258	6-A259	6-A260	6-A261	6-A262	6-A263	6-A264	6-A265	6-A266	6-A267	6-A268	6-A269	6-A270	6-A271	6-A272	6-A273	6-A274	6-A275	6-A276	6-A277	6-A278	6-A279	6-A280	6-A281	6-A282	6-A283	6-A284	6-A285	6-A286	6-A287	6-A288	6-A289	6-A290	6-A291	6-A292	6-A293	6-A294	6-A295	6-A296	6-A297	6-A298	6-A299	6-A300	6-A301	6-A302	6-A303	6-A304	6-A305	6-A306	6-A307	6-A308	6-A309	6-A310	6-A311	6-A312	6-A313	6-A314	6-A315	6-A316	6-A317	6-A318	6-A319	6-A320	6-A321	6-A322	6-A323	6-A324	6-A325	6-A326	6-A327	6-A328	6-A329	6-A330	6-A331	6-A332	6-A333	6-A334	6-A335	6-A336	6-A337	6-A338	6-A339	6-A340	6-A341	6-A342	6-A343	6-A344	6-A345	6-A346	6-A347	6-A348	6-A349	6-A350	6-A351	6-A352	6-A353	6-A354	6-A355	6-A356	6-A357	6-A358	6-A359	6-A360	6-A361	6-A362	6-A363	6-A364	6-A365	6-A366	6-A367	6-A368	6-A369	6-A370	6-A371	6-A372	6-A373	6-A374	6-A375	6-A376	6-A377	6-A378	6-A379	6-A380	6-A381	6-A382	6-A383	6-A384	6-A385	6-A386	6-A387	6-A388	6-A389	6-A390	6-A391	6-A392	6-A393	6-A394	6-A395	6-A396	6-A397	6-A398	6-A399	6-A400	6-A401	6-A402	6-A403	6-A404	6-A405	6-A406	6-A407	6-A408	6-A409	6-A410	6-A411	6-A412	6-A413	6-A414	6-A415	6-A416	6-A417	6-A418	6-A419	6-A420	6-A421	6-A422	6-A423	6-A424	6-A425	6-A426	6-A427	6-A428	6-A429	6-A430	6-A431	6-A432	6-A433	6-A434	6-A435	6-A436	6-A437	6-A438	6-A439	6-A440	6-A441	6-A442	6-A443	6-A444	6-A445	6-A446	6-A447	6-A448	6-A449	6-A450	6-A451	6-A452	6-A453	6-A454	6-A455	6-A456	6-A457	6-A458	6-A459	6-A460	6-A461	6-A462	6-A463	6-A464	6-A465	6-A466	6-A467	6-A468	6-A469	6-A470	6-A471	6-A472	6-A473	6-A474	6-A475	6-A476	6-A477	6-A478	6-A479	6-A480	6-A481	6-A482	6-A483	6-A484	6-A485	6-A486	6-A487	6-A488	6-A489	6-A490	6-A491	6-A492	6-A493	6-A494	6-A495	6-A496	6-A497	6-A498	6-A499	6-A500	6-A501	6-A502	6-A503	6-A504	6-A505	6-A506	6-A507	6-A508	6-A509	6-A510	6-A511	6-A512	6-A513	6-A514	6-A515	6-A516	6-A517	6-A518	6-A519	6-A520	6-A521	6-A522	6-A523	6-A524	6-A525	6-A526	6-A527	6-A528	6-A529	6-A530	6-A531	6-A532	6-A533	6-A534	6-A535	6-A536	6-A537	6-A538	6-A539	6-A540	6-A541	6-A542	6-A543	6-A544	6-A545	6-A546	6-A547	6-A548	6-A549	6-A550	6-A551	6-A552	6-A553	6-A554	6-A555	6-A556	6-A557	6-A558	6-A559	6-A560	6-A561	6-A562	6-A563	6-A564	6-A565	6-A566	6-A567	6-A568	6-A569	6-A570	6-A571	6-A572	6-A573	6-A574	6-A575	6-A576	6-A577	6-A578	6-A579	6-A580	6-A581	6-A582	6-A583	6-A584	6-A585	6-A586	6-A587	6-A588	6-A589	6-A590	6-A591	6-A592	6-A593	6-A594	6-A595	6-A596	6-A597	6-A598	6-A599	6-A600	6-A601	6-A602	6-A603	6-A604	6-A605	6-A606	6-A607	6-A608	6-A609	6-A610	6-A611	6-A612	6-A613	6-A614	6-A615	6-A616	6-A617	6-A618	6-A619	6-A620	6-A621	6-A622	6-A623	6-A624	6-A625	6-A626	6-A627	6-A628	6-A629	6-A630	6-A631	6-A632	6-A633	6-A634	6-A635	6-A636	6-A637	6-A638	6-A639	6-A640	6-A641	6-A642	6-A643	6-A644	6-A645	6-A646	6-A647	6-A648	6-A649	6-A650	6-A651	6-A652	6-A653	6-A654	6-A655	6-A656	6-A657	6-A658	6-A659	6-A660	6-A661	6-A662	6-A663	6-A664	6-A665	6-A666	6-A667	6-A668	6-A669	6-A670	6-A671	6-A672	6-A673	6-A674	6-A675	6-A676	6-A677	6-A678	6-A679	6-A680	6-A681	6-A682	6-A683	6-A684	6-A685	6-A686	6-A687	6-A688	6-A689	6-A690	6-A691	6-A692	6-A693	6-A694	6-A695	6-A696	6-A697	6-A698	6-A699	6-A700	6-A701	6-A702	6-A703	6-A704	6-A705	6-A706	6-A707	6-A708	6-A709	6-A710	6-A711	6-A712	6-A713	6-A714	6-A715	6-A716	6-A717	6-A718	6-A719	6-A720	6-A721	6-A722	6-A723	6-A724	6-A725	6-A726	6-A727	6-A728	6-A729	6-A730	6-A731	6-A732	6-A733	6-A734	6-A735	6-A736	6-A737	6-A738	6-A739	6-A740	6-A741	6-A742	6-A743	6-A744	6-A745	6-A746	6-A747	6-A748	6-A749	6-A750	6-A751	6-A752	6-A753	6-A754	6-A755	6-A756	6-A757	6-A758	6-A759	6-A760	6-A761	6-A762	6-A763	6-A764	6-A765	6-A766	6-A767	6-A768	6-A769	6-A770	6-A771	6-A772	6-A773	6-A774	6-A775	6-A776	6-A777	6-A778	6-A779	6-A780	6-A781	6-A782	6-A783	6-A784	6-A785	6-A786	6-A787	6-A788	6-A789	6-A790	6-A791	6-A792	6-A793	6-A794	6-A795	6-A796	6-A797	6-A798	6-A799	6-A800	6-A801	6-A802	6-A803	6-A804	6-A805	6-A806	6-A807	6-A808	6-A809	6-A810	6-A811	6-A812	6-A813	6-A814	6-A815	6-A816	6-A817	6-A818	6-A819	6-A820	6-A821	6-A822	6-A823	6-A824	6-A825	6-A826	6-A827	6-A828	6-A829	6-A830	6-A831	6-A832	6-A833	6-A834	6-A835	6-A836	6-A837	6-A838	6-A839	6-A840	6-A841	6-A842	6-A843	6-A844	6-A845	6-A846	6-A847	6-A848	6-A849	6-A850	6-A851	6-A852	6-A853	6-A854	6-A855	6-A856	6-A857	6-A858	6-A859	6-A860	6-A861	6-A862	6-A863	6-A864	6-A865	6-A866	6-A867	6-A868	6-A869	6-A870	6-A871	6-A872	6-A873	6-A874	6-A875	6-A876	6-A877	6-A878	6-A879	6-A880	6-A881	6-A882	6-A883	6-A884	6-A885	6-A886	6-A887	6-A888	6-A889	6-A890	6-A891	6-A892	6-A893	6-A894	6-A895	6-A896	6-A897	6-A898	6-A899	6-A900	6-A901	6-A902	6-A903	6-A904	6-A905	6-A906	6-A907	6-A908	6-A909	6-A910	6-A911	6-A912	6-A913	6-A914	6-A915	6-A916	6-A917	6-A918	6-A919	6-A920	6-A921	6-A922	6-A923	6-A924	6-A925	6-A926	6-A927	6-A928	6-A929	6-A930	6-A931	6-A932	6-A933	6-A934	6-A935	6-A936	6-A937	6-A938	6-A939	6-A940	6-A941	6-A942	6-A943	6-A944	6-A945	6-A946	6-A947	6-A948	6-A949	6-A950	6-A951	6-A952	6-A953	6-A954	6-A955	6-A956	6-A957	6-A958	6-A959	6-A960	6-A961	6-A962	6-A963	6-A964	6-A965	6-A966	6-A967	6-A968	6-A969	6-A970	6-A971	6-A972	6-A973	6-A974	6-A975	6-A976	6-A977	6-A978	6-A979	6-A980	6-A981	6-A982	6-A983	6-A984	6-A985	6-A986	6-A987	6-A988	6-A989	6-A990	6-A991	6-A992	6-A993	6-A994	6-A995	6-A996	6-A997	6-A998	6-A999	6-A1000	6-A1001	6-A1002	6-A1003	6-A1004	6-A1005	6-A1006	6-A1007	6-A1008	6-A1009	6-A1010	6-A1011	6-A1012	6-A1013	6-A1014	6-A1015	6-A1016	6-A1017	6-A1018	6-A1019	6-A1020	6-A1021	6-A1022	6-A1023	6-A1024	6-A1025	6-A1026	6-A1027	6-A1028	6-A1029	6-A1030	6-A1031	6-A1032	6-A1033	6-A1034	6-A1035	6-A1036	6-A1037	6-A1038	6-A1039	6-A1040	6-A1041	6-A1042	6-A1043	6-A1044	6-A1045	6-A1046	6-A1047	6-A1048	6-A1049	6-A1050	6-A1051	6-A1052	6-A1053	6-A1054	6-A1055	6-A1056	6-A1057	6-A1058	6-A1059	6-A1060	6-A1061	6-A1062	6-A1063	6-A1064	6-A1065	6-A1066	6-A1067	6-A1068	6-A1069	6-A1070	6-A1071	6-A1072	6-A1073	6-A1074	6-A1075	6-A1076	6-A1077	6-A1078	6-A1079	6-A1080	6-A1081	6-A1082	6-A1083	6-A1084	6-A1085	6-A1086	6-A1087	6-A1088	6-A1089	6-A1090	6-A1091	6-A1092	6-A1093	6-A1094	6-A1095	6-A1096	6-A1097	6-A1098	6-A1099	6-A1100	6-A1101	6-A1102	6-A1103	6-A1104	6-A1105	6-A1106	6-A1107	6-A1108	6-A1109	6-A1110	6-A1111	6-A1112	6-A1113	6-A1114	6-A1115	6-A1116	6-A1117	6-A1118	6-A1119	6-A1120	6-A1121	6-A1122	6-A1123	6-A1124	6-A1125	6-A1126	6-A1127	6-A1128	6-A1129	6-A1130	6-A1131	6-A1132	6-A1133	6-A1134	6-A1135	6-A1136	6-A1137	6-A1138	6-A1139	6-A1140	6-A1141	6-A1142	6-A1143	6-A1144	6-A1145	6-A1146	6-A1147	6-A1148	6-A1149	6-A1150	6-A1151	6-A1152	6-A1153	6-A1154	6-A1155	6-A1156	6-A1157	6-A1158	6-A1159	6-A1160	6-A1161	6-A1162	6-A1163	6-A1164	6-A1165	6-A1166	6-A1167	6-A1168	6-A1169	6-A1170	6-A1171	6-A1172	6-A1173	6-A1174	6-A1175	6-A1176	6-A1177	6-A1178	6-A1179	6-A1180	6-A1181	6-A1182	6-A1183	6-A1184	6-A1185	6-A1186	6-A1187	6-A1188	6-A1189	6-A1190	6-A1191	6-A1192	6-A1193	6-A1194	6-A1195	6-A1196	6-A1197	6-A1198	6-A1199	6-A1200	6-A1201	6-A1202	6-A1203	6-A1204	6-A1205	6-A1206	6-A1207	6-A1208	6-A1209	6-A1210	6-A1211	6-A1212	6-A1213	6-A1214	6-A1215	6-A1216	6-A1217	6-A1218	6-A1219	6-A1220	6-A1221	6-A1222	6-A1223	6-A1224	6-A1225	6-A12

TABLE 12. HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

[illegible]

TABLE 12. HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

[illegible]

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 (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)	Br- (mg/l)
Class GA GW Qual. Std's & Guid. Val.																							
MW-230S	Nov-89	13	141	10.6	33.6	385	209	2.96	6.41		0.007		47.5	90	288	0.13	<0.10	10	<5	<0.005	<0.01		2
MW-230S	Feb-90		146		36.4		210	8.48			0.011		49.3	2.52	281	0.06		2	<5			100	
MW-230S	Apr-90	10.6	159		35.2	387	200	9.34			<0.005		58.2	57	306	<0.01		11	10			0.33	
MW-230S	Nov-90		161	56	32.3	310	215	9.3	7.90	7.3	<0.010	124.2	54	690	286	0.14	<0.1	4.5	10	<0.004	0.024	0.5	
MW-230S	Feb-91	10	144	8.6	31.8	400	245	15	8.10	8.32	<0.010	124.7	51	210	353	0.22	<0.04						
MW-230S	May-91	11	142	24.4	30.8	340	216	<3	7.90	7.74	<0.010	312.1	53	340	329	0.07	<0.04						
MW-230S	Aug-91	10	144	7.7	30.2	490	210	10.4	8.00	9.08	<0.010	198.1	51.8	120	318	<0.03	<0.04						
MW-230S	Nov-91	10	176	<1	31	480	204	<1.0		7.68	<0.010	239.3	111	250	284	0.06	<0.04						
MW-230S	Feb-92	10	164	12.9	32.2	464	216	6		7.83	<0.010	271.9	<2.0	240	302	0.18	0.05	1	<5	<0.010	<0.004	<0.5	
MW-230S	May-92	12	162	40.5	29.5	436	326	<1.0		7.66	<0.010	272.9	46.6	210	276	<0.04	0.08						
MW-230S	Aug-92	12	140	3	31	408	184	<1.0		7.86	<0.010	263.4	72.8	114	316	<0.04	0.02						
MW-230S	Dec-92	11	150	9.9	27	469	183	<1.0		7.76	<0.010	244.3	63.2	168	308	<0.02	<0.02						
MW-230S	Feb-93	9	182	55.8	30	495	233	19		7.81	<0.010	108.3	48.5	430	340	0.14	0.09						
MW-230S	May-93	13	168	16.3	28	332	197	6		7.53	<0.010	204.6	73.8	120	276	0.05	<0.02	0.8	<5	<0.004	<0.004	<0.5	
MW-230S	Aug-93	13.5	176	26.5	30	383	195	<1.0		6.91	<0.010	135	71.3	310	320	<0.02	<0.02						
MW-230S	Dec-93	10.5	150	29.4	29	391	225	2		7.17	<0.010	200.3	47.9	140	328	<0.02	0.04						
MW-230S	Feb-94	10.5	160	<1.0	29	461	263	<1.0		7.76	<0.010	78.5	51.1	215	240	<0.02	<0.05	<2.0				<0.5	0.83
MW-230S	May-94	11.5	164	8.6	28	356	244	13		7.96	<0.010	33.6	49.1	170	272	0.03	0.08	<2.0				<0.5	0.73
MW-230S	Aug-94	12	140	9.5	29	423	187	<1		7.69	<0.010	55.2	57	34	280	0.06	0.12	<2.0	15	<0.004	<0.004	<0.5	2.16
MW-230S	Nov-94	11.5	145		30	365	159	4		8.12	<0.010	39.5	52.9	61	152	<0.02	0.25	<2.0				<0.5	3.35
MW-230S	March-95	11	165	20	32	356	215	8		7.28	<0.010	52	49	108	272	0.18	0.42	<2				<0.5	<0.2
MW-230S	June-95	13	143	27.9	34	357	299	<1		7.44	<0.010	37.3	44.5	2.5	308	0.26	0.23	<2				<0.5	<0.2
MW-230S	Sept-95	11.5	151	16.7	3	317	202	25		7.48	<0.010	31.5	45.2	150	312	0.06	<0.05	<2				<0.5	<0.2
MW-230S	Nov-95	10	144	<5.0	30	315	166	<1		7.91	<0.010	38.8	47.7	54	284	0.11	<0.05	<2				<0.5	<0.2
MW-230S	April-96	8.9	140	17	28	520	520	<1		8	<0.002	240	110	>900	310	0.071	0.036	<4	250	<0.01	<0.01	0.6	3
MW-230S	June-96	10.7	270	35	27	417	200	<1		7.7	<0.002	180	32	660	270	0.16	<0.02	<4				4.4	<2
MW-230S	Sept-96	12.4	160	18	24	410	230	1		8	<0.002	180	42	340	240	<0.03	0.022	<4				0.53	<2
MW-230S	Nov-96	10.1	70	15	25	329	110	1.3		8.16	<0.002	175	<4	170	180	0.19	0.11	<4				1.1	<2
MW-230S	March-97	10	42	13	24	409	130	1.9		8	<0.002	95	48	>999	140	0.4	0.077	<4	15	<0.01	<0.01	0.95	<2
MW-230S	June-97	12	62	21	26	246	140	1.9		8.35	<0.002	240	30	213	160	<0.03	0.64	<4				0.86	<2
MW-230S	Sept-97	12.2	32	<1	23	240	130	2.5		8.5	<0.002	420	42	87	190	0.67	0.33	<4				1.3	<2
MW-230S	Dec-97	10.6	130	<1	17	256	160	1.8		8.64	<0.002	110	41	687	200	0.41	0.2	11				0.75	<2
MW-230S	Mar-98	10.1	190	1	30	375	250	<1		8.34	<0.002	245	38	255	240	0.1	0.26	<4				0.37	<2
MW-230S	June-98	12.7	75	<3	30	288	190	1.4		8.3	<0.002	10	37	804	210	<0.03	0.53	<4	20	<0.01	<0.01	0.21	<1
MW-230S	Sept-98	13	150	23	30	320	250	1.6		8.09	<0.002	-75	32	>999	240	0.11	0.37	<4				0.43	<1
MW-230S	Dec-98	10.9	130	<1	42	373	230	1.4		7.38	<0.002	-20	30	384	230	<0.03	0.37	4				0.27	<1
MW-230S	Apr-99	Location Not Sampled																					
MW-230S	Jun-99	Location Not Sampled																					
MW-230S	Sept-99	Location Not Sampled																					
MW-230S	Dec-99	11.1	150	4.7	33	455	280	<1		8.6	<0.002	135	37	>999	240	<0.3	0.089	<4	1	<0.01	<.03	0.25	<.1
MW-230S	Apr-00	9.7	109	<10	28.6	400	195	1.1		8.05	0.005	-94	45	550	222	0.104	0.393	<3	50	<0.01	<0.01	<1	<1
MW-230S	Jun-00	Location Not Sampled																					
MW-230S	Sept-00	Location Not Sampled																					
MW-230S	Dec-00	Location Not Sampled																					
MW-230S	Mar-01	Location Not Sampled																					
MW-230S	Jun-01	13	127	<10	39.6	465	223	2.2		8.24	<0.004	82	41.9	45	296	0.122	<0.1	<3	100	<0.01		<1	<1
MW-230S	Sept-01	Location Not Sampled																					
MW-230S	Dec-01	Location Not Sampled																					
MW-230S	Mar-02	Location Not Sampled																					
MW-230S	Jun-02	Location Not Sampled																					
MW-230S	Sept-02	11.9	139	<10	39	447	216	<1		7.87	<0.004	178.5	39.6	66	275	0.115	<0.1	<3	5	<0.005	<0.01	<1	<1
MW-230S	Dec-02	Location Not Sampled																					
MW-230S	Apr-04	11.4	147	<10	42.5	436	218	<1.0		8.09	<0.004	211	34.5	171	273	<0.10	<0.1	<3	10	<0.005	<0.01	<1	<1
MW-230S	Jun-05	15.8	96.6	<10.0	31	675	163	1.48		7.47	0.021	109	39.3	21	226	<1.00	0.91	<4.00	15	<0.0100	<0.010	<1.00	<1.00

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 (S.U.)	pH (field) (S.U.)	Phenols (mg/l)	Eb (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)	Std's & Guid. Val.	
																								6.5-8.5	2
MW-230D	Nov-89	13.5	113	<10.0	<3.0	136	79.6	9.22	6.44		0.011		<10.0	34	135	0.12	<0.10	17	<5	<0.005	<0.01			2	
MW-230D	Feb-90		123		4.6		120	3.57			<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		<0.004	0.034	0.25		
MW-230D	Nov-90	11	130	18	4.9	190	130	9.1	7.90	7.4	<0.010	109.1	16	37	156	0.08	<0.1	5.8	5			<0.5			
MW-230D	Feb-91	11	126	<0.5	5	250	98	8.6	8.10	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	8.10	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	8.00	8.46	<0.010	195.5	13.9	7.1	170	<0.03	<0.04								
MW-230D	Nov-91	10	134	<1	3	290	80.7	<1		7.87	<0.010	261	13	10	157	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	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	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	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	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	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	16	140	0.12	0.05	<2.0				<0.5	0.89		
MW-230D	Feb-94	10	126	<1.0	2	282	82.1	<1.0	7.86	<0.010	91.1	38.9	15	15	156	<0.02	<0.05	<2.0				<0.5	0.73		
MW-230D	May-94	11.5	128	<1.0	1.5	245	77.3	16	7.92	<0.010	42.5	18.6	6.3	6.3	180	0.07	0.06	<2.0		<0.004	0.006	<0.5	1.86		
MW-230D	Aug-94	12	124	9.5	2.5	269	85.5	1	7.73	<0.01	50	17.9	7.7	7.7	172	0.06	0.49	<2.0				<0.5	3.42		
MW-230D	Nov-94	11.5	153	<5.0	3	254	70.2	2	8.22	<0.010	58.3	30.6	5.3	5.3	160	<0.02	0.11	<2.0				<0.5	0.3		
MW-230D	March-95	11	129	<5.0	2	248	80.8	5	7.48	<0.010	59.1	16.7	5.2	5.2	164	0.24	0.26	<2				<0.5	<0.2		
MW-230D	June-95	12	125	<5.0	3	252	86	18	7.56	<0.010	35.6	21	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	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	21.7	7.6	176	0.04	<0.05	<2	5	<0.004	<0.004	<0.5	<0.2		
MW-230D	April-96	10.1	140	28	9.5	340	160	16	8.4	<0.002	165	16	16	37	170	<0.03	0.024	<4	10	<0.01	<0.01	0.54	2.8		
MW-230D	June-96	10.9	150	14	<1	272	100	<1	7.7	0.002	150	12	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	0.0024	160	11	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	39	98	180	0.064	<0.02	<4				0.58	<2		
MW-230D	March-97	10	130	19	2.7	276	92	1	8.1	<0.002	90	37	37	432	230	0.037	<0.02	<4	15	<0.01	<0.01	0.33	<2		
MW-230D	June-97	12.3	150	13	3.9	255	83	<1	7.83	<0.002	255	38	<1	<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	11	15	180	<0.03	0.035	<4				0.24	<2		
MW-230D	Dec-97	10.5	170	<1	2.7	281	88	<1	8.66	<0.002	130	6.3	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	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	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	0.0033	525	14	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	5	5	260	140	<0.03	<0.02	<4				0.13	<1		
MW-230D	Apr-99	Location Not Sampled																							
MW-230D	Jun-99	Location Not Sampled																							
MW-230D	Sept-99	Location Not Sampled																							
MW-230D	Dec-99	11.2	130	7.8	3.8	278	100	<1	8.87	<0.002	210	13	13	125	190	<0.03	0.054	<4	3	<0.01	<0.03	0.23	<0.01		
MW-230D	Apr-00	9.1	133	<10	2.83	275	89.9	<1	8.11	0.006	-91	19	19	19	156	0.114	<0.05	<3	10	<0.01	<0.01	<1	<1		
MW-230D	June-00	Location Not Sampled																							
MW-230D	Sept-00	Location Not Sampled																							
MW-230D	Dec-00	Location Not Sampled																							
MW-230D	Mar-01	Location Not Sampled																							
MW-230D	Jun-01	12.9	122	<10	2.6	284	88.9	<1	8.16	<0.004	42	14.4	14.4	11	136	<0.1	<0.1	<3	5	<0.01		<1	<1		
MW-230D	Sept-01	Location Not Sampled																							
MW-230D	Dec-01	Location Not Sampled																							
MW-230D	Mar-02	Location Not Sampled																							
MW-230D	Jun-02	Location Not Sampled																							
MW-230D	Sept-02	11.8	125	<10	2.53	277	86.9	<1	7.81	<0.004	165.3	13.6	13.6	2.3	187	<0.1	<0.1	<3	<5	<0.005	<0.01	<1	<1		
MW-230D	Dec-02	Location Not Sampled																							
MW-230D	Apr-04	11.6	124	<10	2.39	230	82.4	<1.0	8.12	<0.004	104	12.7	12.7	17.1	143	0.366	<0.1	<3	<5	<0.005	<0.01	<1	<1		
MW-230D	Jun-05	16	129	<10.0	<5.0	642	86.8	1.1	8.02	<0.0100	82	11.5	11.5	14	164	1.4	<0.200	<4.00	15	<0.0100	<0.010	<1.00	<1.00		

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 (S.U.)	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-232S	Nov-89	15.3	120	<10.0	24.3	297	184	1.29	7.35	7.35	0.011		75.4	199	236	0.07	<0.01		12	<5	<0.005	<0.01	
MW-232S	Feb-90		124		3.13		156	0.58			<0.005		33.6	5.34	217	0.1			6	5		99	
MW-232S	Apr-90	11.1	113		<3	256	100	2.98	7.60	7.60	<0.005	-29.5	38.9	32	206	<0.04		6	10			0.2	
MW-232S	Nov-90	13	125	7.7	6.8	240	215	6.1	7.80	8.6	<0.010	218.4	72	120	232	0.06	<0.1	1.1	15	<0.004	0.02	<0.5	
MW-232S	Feb-91	12	136	1.9	5	520	240	3	7.40	8.19	<0.010	176.5	118	130	317	<0.04	<0.04						
MW-232S	May-91	12	140	4.3	1.1	290	204	<3	7.80	7.61	<0.010	240.5	57.6	162	260	<0.03	<0.04						
MW-232S	Aug-91	11	156	3.2	2.1	590	230	8.2	7.70	8.04	<0.010	207.1	74	145	360	<0.03	<0.04						
MW-232S	Nov-91	12	186	14.4	<1	589	311	<1.0		7.35	<0.010	179.6	52	600	276	<0.02	<0.04						
MW-232S	Feb-92	10	176	19.3	6.9	512	317	4	7.41	<0.010	178.5	85.9	360	380	380	<0.02	0.05	1.2	<5	<0.010	<0.004	<0.5	
MW-232S	May-92	11	214	7.7	4	541	286	<1.0		7.21	<0.010	336.6	105	61	416	<0.04	0.08	2.1	10	0.016	<0.004	0.04	
MW-232S	Aug-92	13	212	2.5	7	543	261	<1.0		7.43	<0.010	225.4	86.6	57	380	<0.04	<0.02						
MW-232S	Dec-92	11	268	4	2.5	644	312	<1.0		7.41	<0.010	88.3	86.6	144	404	<0.02	<0.02						
MW-232S	Feb-93	9	720	7	4	631	267	20		7.33	<0.010	111.2	90	220	524	<0.02	0.04	1.6	<5	<0.004	<0.004	<0.5	
MW-232S	May-93	11	352	<1.0	1.5	483	378	4		6.93	<0.010	142.9	90.5	45	476	<0.02	<0.02						
MW-232S	Aug-93	14.5	480	13.3	4	792	595	<1.0		6.67	<0.010	169.9	99	94	632	<0.02	<0.02						
MW-232S	Dec-93	11	436	52.9	2	803	513	22		7.02	<0.010	132.6	103	105	540	0.06	0.06						
MW-232S	Feb-93	10	345	<1.0	2.5	783	411	52		7.04	<0.010	236.7	89.5	60	460	<0.02	<0.05	<2.0				<0.5	0.92
MW-232S	May-94	10	432	<1.0	2	649	418	49		6.83	<0.010	103.2	58.6	31	548	<0.02	0.03	2	20	<0.004	0.008	<0.5	0.87
MW-232S	Aug-94	13	520	10	4.5	907	501	<1		6.79	<0.010	74.5	47.5	12.4	572	<0.02	0.08	<2.0				<0.5	2.5
MW-232S	Nov-94	12	517	<5.0	3	722	464	19		6.98	<0.010	119.3	64.5	19	644	<0.02	0.11	<2.0				<0.5	3.92
MW-232S	March-95	11	392	<5.0	4	520	428	29		7.08	<0.010	-38.8	81.3	32	544	0.21	0.34	<2				<0.5	0.4
MW-232S	June-95	11	504	<5.0	5	542	521	<1		6.91	<0.010	26.1	67.5	33	652	0.24	0.25	<2				<0.5	<0.2
MW-232S	Sept-95	11.5	587	8.3	3	515	618	8		7.06	<0.010	21.6	88.4	50	744	0.12	0.05	<2				<0.5	<0.2
MW-232S	Nov-95	11	380	8.2	<1	464	404	1		6.86	<0.010	2.3	107	71	576	<0.02	<0.05	<2	10	<0.004	<0.004	<0.5	<0.2
MW-232S	April-96	10.6	630	1	6.7	1220	670	40		6.5	<0.002	180	64	59	780	0.035	0.025	11	100	<0.01	<0.01	1.1	3.1
MW-232S	June-96	11	600	24	<1	1160	510	1.4		6.7	0.0052	140	70	190	680	<0.03	<0.02	9.8				1.6	<2
MW-232S	Sept-96	13.1	530	10	<1	1100	530	1.1		6.6	<0.002	110	<5	7.6	660	<0.03	<0.02	9.1				0.35	<2
MW-232S	Nov-96	11.4	540	<1	6.5	910	450	2.8		6.79	<0.002	110	42	34	590	<0.03	<0.02	7.1				0.56	<2
MW-232S	March-97	10.2	530	13	9	1120	510	2.5		6.6	<0.002	145	56	>999	560	<0.03	<0.02	12	15	<0.01	<0.01	0.56	<2
MW-232S	June-97	11.5	680	82	10	813	570	2.5		6.72	0.0024	85	35	>999	610	<0.03	<0.02	16				0.43	<2
MW-232S	Sept-97	13.0	560	4.9	8.7	910	550	3.1		6.9	<0.002	80	54	1000	790	0.11	0.02	14				0.47	<2
MW-232S	Dec-97	11	520	<1	8.2	970	590	3.1		7.05	<0.002	110	55	>999	620	<0.03	0.027	11				0.38	<2
MW-232S	Mar-98	9.9	470	8.6	16	877	520	1.7		7.73	<0.002	140	140	84	560	<0.03	<0.02	<4				0.4	<2
MW-232S	June-98	12.1	550	5.1	5.8	930	670	3.1		6.99	<0.002	-15	58	942	560	0.041	0.022	7.5	1	<0.01	<0.01	0.54	<1
MW-232S	Sept-98	12.8	570	62	6.7	990	620	4.1		6.71	<0.002	500	51	842	640	<0.03	<0.02	11				0.44	<1
MW-232S	Dec-98	11.3	520	25	29	1000	900	4.2		7.62	<0.002	55	22	>999	660	<0.03	0.037	9.9				0.21	<1
MW-232S	Apr-99	Location Not Sampled																					
MW-232S	Jun-99	Location Not Sampled																					
MW-232S	Sept-99	Location Not Sampled																					
MW-232S	Dec-99	Location Not Sampled																					
MW-232S	Apr-00	Location Not Sampled																					
MW-232S	Jun-00	7.1	437	<10	3.99	850	495	2.7		7.4	<0.004	-94	45	30.4	516	<0.1	<0.05	4				<1	<1
MW-232S	Sept-00	12.3	434	24.6	3.4	875	507	2.8		7.07	<0.004	-44	67	0.65	513	<0.1	<0.05	<3				<1	<1
MW-232S	Dec-00	10.4	437	<10	3.17	855	481	2.8		7.18	<0.004	33	69	6.7	535	<0.1	<0.05	<3				<1	<1
MW-232S	Mar-01	7.4	475	<10	3.85	847	443	2.4		7.4	<0.004	-39	28	3.7	490	<0.1	<0.05	<3				<1	<1
MW-232S	Jun-01	12.2	425	<10	3.53	863	454	5.7		7.02	<0.004	-66	59.1	10	496	<0.1	<0.1	<3	125	<0.01		<1	<1
MW-232S	Sept-01	13.2	397	<10	3.28	882	461	3.5		7.16	<0.004	26	59	5.45	521	<0.1	<0.1	<3				<1	<1
MW-232S	Dec-01	11.7	400	<10	6.18	851	473	2.4		7.15	0.0043	9	63	54.5	520	<0.1	<0.1	<3				<1	<1
MW-232S	Mar-02	10.6	495	11.5	3.7	824	515	1.7		7.11	<0.004	-15	71.2	82.6	568	<0.1	<0.1	<3				<1	<1
MW-232S	Jun-02	11.9	439	<10	3.8	884	490	1.8		7.45	<0.004	2	81.2	10.9	553	<0.1	<0.1	<3				<1	<1
MW-232S	Sept-02	12.6	429	<10	3.71	866	479	1.8		7.28	<0.004	85.7	92.7	40	601	<0.1	<0.1	<3	10	<0.005	<0.01	<1	<1
MW-232S	Dec-02	11.3	454	<10	4.25	953	495	1.3		7.21	<0.004	7.8	93.1	4.5	591	<0.1	<0.1	<3				<1	<1
MW-232S	Apr-04	Location Not Sampled																					
MW-232S	Jun-05	15.8	181	44.2	<5.0	1206	200	15.3		7.36	<0.0100	133	5.18	36	224	<1.00	0.75	<4.00	150	<0.0100	<0.010	<1.00	<1.00

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 (S.U.)	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)
Class GA GW Qual.																							
Std's & Guid. Val.																							
250																							
6.5-8.5																							
0.001																							
2																							
10																							
2																							
500																							
2																							
10																							
2																							
MW-232D	Nov-89	13	37.2	<10.0	210	747.5	100	1.77	9.51		0.009		89	16	522	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	629	0.08		21	5			40	
MW-232D	Apr-90	12.2	41.2		202	836	82	3.28	9.33		<0.005	-126.1	88.2	1.9	1450	<0.04		10	5			0.21	
MW-232D	Nov-90	11	56	17	225	630	130	4.9	9.10	8.7	<0.010	243.8	79	22	611	0.13	<0.1	6.3	<5	<0.004	0.024	<0.5	
MW-232D	Feb-91																						
MW-232D	May-91	11	54	11.7	202.1	480	124	5.1	9.30	8.92	<0.010	172.9	70	11.4	505	0.58	0.09						
MW-232D	Aug-91	12	52	<0.5	218.8	1500	136	4	9.20	8.44	<0.010	214.2	75.6	6.7	618	0.08	<0.04						
MW-232D	Nov-91	10	84	3.8	225	1380	132	<1		8.32	<0.010	122.3	79	10	596	0.04	<0.04						
MW-232D	Feb-92	10	60	25.8	226	1056	140	<1.0		8.48	<0.010	102.1	90	8.5	548	0.07	<0.02	1.8	<5	<0.010	<0.004	<0.5	
MW-232D	May-92	12	76	21	240	1102	370	<1.0		8.52	<0.010	128.4	94	3.4	664	0.1	0.26						
MW-232D	Aug-92	13	136	58.5	154	1179	186	16		7.74	<0.010	163.6	78.8	22.5	580	<0.04	<0.02						
MW-232D	Dec-92	11	122	16.9	225	1508	210	<1.0		7.38	<0.010	-0.6	81.5	20	624	<0.02	0.1						
MW-232D	Feb-93	10	78	7.2	202	1041	116	6		7.76	<0.010	149.3	81	3	596	0.06	0.02						
MW-232D	May-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	Aug-93	14	88	18.4	284	1189	169	<1.0		7.22	<0.010	-108.9	125	4.2	668	<0.02	<0.02						
MW-232D	Dec-93	9.5	86	59.4	262	994	187	4		7.24	<0.010	125.7	112	5.8	656	0.11	0.08						
MW-232D	Feb-94	9.5	92	1	256	1272	163	6		6.98	<0.010	268	91.5	5.7	616	<0.02	<0.05	<2.0				<0.5	
MW-232D	May-94	12	84	45.2	250	804	148	8		7.99	<0.010	111	79.5	1.6	636	0.04	0.04	<2.0				<0.5	
MW-232D	Aug-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	Nov-94	11.5	117	14.3	235	803	147	<1		8.08	<0.010	124.5	86.8	8	632	0.06	0.36	<2.0				<0.5	
MW-232D	March-95	13	178	85	44	635	161	61		7.14	0.018	-53.3	44.2	6.8	332	3.59	0.4	8				<0.2	
MW-232D	June-95	13	101	32.6	195	623	60	9		7.28	<0.010	20.6	78.4	6.2	580	1.06	0.24	<2				1.6	
MW-232D	Sept-95	12.5	119	33.3	224	594	176	9		7.12	<0.010	3.1	85.7	9.5	648	0.56	0.08	<2				2.4	
MW-232D	Nov-95	10.5	120	16.3	252	584	158	<1		7.35	0.025	4	84.2	9.2	668	0.22	<0.05	<2	15	<0.004	<0.004	<0.5	
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	June-97	13.4	190	42	23	362	150	19		7.65	0.0098	120	16	<1	210	<0.03	0.24	<4				1.8	
MW-232D	Sept-97	No Sample Taken																				<2	
MW-232D	Dec-97	No Sample Taken																					
MW-232D	Mar-98	No Sample Taken																					
MW-232D	June-98	No Sample Taken																					
MW-232D	Sept-98	11.9	150	58	4.3	311	140	19		7.43	<0.002	180	17	68	230	0.27	1.2	4				<1	
MW-232D	Dec-98	10.4	150	35	50	505	170	11		7.47	<0.002	100	58	100	340	0.097	0.17	<4				<1	
MW-232D	Apr-99	Location Not Sampled																					
MW-232D	Jun-99	Location Not Sampled																					
MW-232D	Sept-99	Location Not Sampled																					
MW-232D	Dec-99	Location Not Sampled																					
MW-232D	Apr-00	Location Not Sampled																					
MW-232D	Jun-00	Location Not Sampled																					

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 (S.U.)	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)
Class GA GW Qual. Std's & Guid. Val.					250				6.5-8.5	6.5-8.5	0.001			250	500	2	10						2
MW-233S	Nov-89																						
MW-233S	Feb-90																						
MW-233S	Apr-90																						
MW-233S	Nov-90	12	366	12	4.9	590	520	6.4	8.2	<0.010	-95.9	175	385	612	0.08	0.13	1.5	25	<0.004	0.021	0.53		
MW-233S	Feb-91	9	354	<0.5	5	880	520	5	7.71	<0.010	180.9	104	140	576	<0.04	5.34							
MW-233S	May-91	10	374	14.3	6.4	680	490	10.2	6.95	<0.010	195.4	75	81	570	<0.03	2.8							
MW-233S	Aug-91	15	484	<0.5	9.4	1010	580	<3.0	6.6	<0.010	284	126	66	794	<0.03	3.53							
MW-233S	Nov-91	12	338	14.4	5	919	411	<1	6.99	<0.010	371.8	116	70	534	<0.02	0.44							
MW-233S	Feb-92	10	378	2.8	9.9	856	464	13	7.48	<0.010	201.7	149	68	1308	<0.02	0.64	1	<5	<0.010	<0.004	<0.5		
MW-233S	May-92	10	370	<1.0	5.5	867	476	<1.0	7.13	<0.010	256.2	145	4.2	448	0.1	2.35							
MW-233S	Aug-92	13	372	<1.0	10.5	953	497	<1	6.94	<0.010	329.5	162	1.4	732	<0.04	0.33							
MW-233S	Dec-92	11	474	3	1.5	1106	549	<1	7.18	<0.010	176.6	144	30	720	<0.02	0.12							
MW-233S	Feb-93	9	792	4.4	4	1194	706	74	6.77	<0.010	144.5	148	126	940	0.1	0.07							
MW-233S	May-93	10.5	698	32.5	<1.0	558	591	4	6.65	<0.010	42.6	80.6	52	732	<0.02	<0.02	15.6	<5	<0.004	<0.004	<0.5		
MW-233S	Aug-93	13	968	<1.0	1	1174	918	<1.0	6.48	<0.010	-6.9	108	3	1040	<0.02	<0.02							
MW-233S	Dec-93	11	728	51	2	1294	900	44	6.69	<0.010	140.1	183	36	988	0.64	3.44							
MW-233S	Feb-94	10	740	7.7	<1.0	1224	664	<1.0	7.64	<0.010	162.4	71.6	330	704	<0.02	0.05	2.4						1
MW-233S	May-94	11	544	<1.0	<1.0	736	550	62	6.68	<0.004	-15.8	73.6	24	672	<0.02	0.12	10.2		<0.004	<0.004	<0.5	1	
MW-233S	Aug-94	13	456	5	2	922	516	4	6.85	<0.010	84	99.4	9.6	548	0.06	0.08	2.2		<0.004	<0.004	<0.5	2.4	
MW-233S	Nov-94	12.5	460	<5.0	<1.0	651	399	13	7.08	<0.010	123.8	62.8	11.4	548	<0.02	0.05	7.6						
MW-233S	Mar-95	10	711	35	2	694	895	<1	6.78	<0.010	33.9	243	23.2	1128	0.42	2.4	<2						
MW-233S	Jun-95	11	650	9.3	8	645	761	6	6.89	<0.010	28.9	189	27	1032	0.58	1.29	<2						
MW-233S	Sep-95	12.5	629	<5.0	<1	545	702	5	7.06	<0.010	29.9	140	24	840	0.56	0.1	<2						
MW-233S	Nov-95	10	452	8.2	9	525	475	<1	6.79	<0.010	84.7	130	17	716	<0.02	3.06	<2		<0.004	<0.004	<0.5	<0.2	
MW-233S	Apr-96	6.6	150	1	12	510	320	2.8	7	<0.002	-55	21	88	340	<0.03	<0.02	7.8						
MW-233S	Jun-96	9.6	260	33	7.5	552	310	1.8	7.2	<0.002	85	110	50	480	<0.03	<0.02	4.9						
MW-233S	Sep-96	14.7	520	20	<1	950	450	15	6.6	<0.002	55	<5	10	600	<0.03	<0.02	4.3						
MW-233S	Nov-96	9.4	530	5.3	4.6	930	420	4.3	7.96	<0.002	190	27	12	560	<0.03	0.027	4.3						
MW-233S	Mar-97	8.3	680	21	6.4	1190	530	3.4	6.5	<0.002	70	48	42	670	<0.03	<0.02	5.8	15	<0.01	<0.01	0.55	<2	
MW-233S	Jun-97	10.4	650	13	2	1110	580	4.3	6.69	0.0029	60	52	<1	700	<0.03	<0.02	8						
MW-233S	Sep-97	13.2	840	9	4.6	1100	590	4	6.7	<0.002	-10	28	14	550	0.033	0.027	10						
MW-233S	Dec-97	9.4	730	<1	5.5	970	680	4.6	7.98	<0.002	95	120	17	820	0.036	0.27	7						
MW-233S	Mar-98	9.9	490	15	<1	923	690	4.1	7.64	<0.002	-40	53	>999	830	<0.03	0.61	4.6						
MW-233S	Jun-98	13	410	53	2.5	1360	790	14	6.96	<0.002	-85	210	60	950	0.072	<0.02	17	50	<0.01	<0.01	0.62	<2	
MW-233S	Sep-98	13.6	730	25	<1	1220	770	5.9	6.55	<0.002	-20	110	67	850	<0.03	<0.02	4.2						
MW-233S	Dec-00	9.2	376	10.9	1.28	895	483	5.6	7.29	<0.004	95	110	1.6	599	<0.1	5.97	<3						
MW-233S	Mar-01	8.8	474	<10	1.16	1031	570	4.3	7.35	<0.004	63	170	1.8	711	<0.1	5.22	<3						
MW-233S	Jun-01	11.9	432	<10	1.47	1203	676	6.1	7.06	0.0068	122	271	2.2	709	<0.1	8.87	<3						
MW-233S	Sep-01	12.5	697	<10	2.12	1449	827	3.6	7.11	<0.004	107	483	2.89	1080	<0.1	3.71	<3						
MW-233S	Dec-01	10.9	459	<10	4.2	1418	872	3.8	6.89	<0.004	54	368	2.97	1050	<0.1	<0.1	<3						
MW-233S	Mar-02	9.4	530	<10	1.74	1283	855	4.2	7.01	<0.004	45	435	6.72	971	<0.1	<0.1	<3						
MW-233S	Jun-02	11.4	445	<10	1.59	1570	927	4.4	7.26	<0.004	62	562	1.4	1240	<0.1	<0.1	<3						
MW-233S	Sept-02	12.7	433	13.9	1.86	1397	830	3.5	7.17	<0.004	119.8	494	15	1200	<0.1	<0.1	<3	10	<0.005	<0.01	<1	<1	
MW-233S	Dec-02	10.8	424	<10	2.43	1428	847	2.8	7.07	<0.004	17	509	0.91	1110	<0.1	<0.1	<3						
MW-233S	Apr-04	9.1	373	14	1.7	897	468	3.6	8.41	<0.004	221	<5.0	6.9	570	0.411	13.8	<3	<5	<0.005	<0.01	<1	<1	
MW-233S	Jun-05	20.3	281	<10.0	<5.0	502	353	3	8.12	<0.0100	142	33.7	8.7	372	<1.00	5.68	<4.00	15	<0.0100	<0.010	<1.00	<1.00	

Monitoring Well	Sample Date	Temp (C)	ALK (mg/l)	COD (mg/l)	Cl- (mg/l)	Cond umhos/cr	Hard (mg/l)	TOC (mg/l)	pH (S.U.)	pH (field) Phenols (S.U.)	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)
Class GA GW Qual. Std's & Guid. Val.																						2
MW-234S	Nov-89	11.6	152	13.7	10.7	322	228	7.19	7.66	0.005	-50.4	81.1	188	264	0.09	<0.10	19	<5	<0.005	0.02		
MW-234S	Feb-90		162		4.4		230	3.87		<0.005		77.9	94	321	0.09		13	30			0.96	
MW-234S	Apr-90	10.2	174		<3	423	243	1.93	7.40		-38.3	77.7	50	288	<0.04		3	10			0.07	
MW-234S	Nov-90	10	176	<1	4.9	340	260	5.1	7.80	7.3	132.5	83	81	312	0.06	<0.1	6.5	<5	<0.004	0.024	<0.5	
MW-234S	Feb-91	9	167	<0.5	5	480	290	<3	7.70	7.97	147.1	78	26	347	<0.04	<0.04						
MW-234S	May-91	11	164	1	1.1	340	248	3.1	7.70	7.36	227	60.5	23	337	<0.03	0.13						
MW-234S	Aug-91	13	152	<0.5	<1.0	570	230	<3.0	7.80	7.68	293.9	77.6	58	363	<0.03	<0.04						
MW-234S	Nov-91	11	222	3.8	<1	676		<1		7.41	323.6	85.1	40	328	<0.02	<0.04	0.6	<5	<0.010	<0.004	<0.5	
MW-234S	Feb-92	11	172	13.8	5	517	312	<1.0		7.29	78.5	83	42	396	0.07	<0.02						
MW-234S	May-92	12	178	6	<1.0	486	248	<1.0		7.74	354.9	113	59	320	<0.04	0.02						
MW-234S	Aug-92	12	196	<1.0	5.5	487	215	<1		7.51	329.9	110	39	384	<0.04	0.14						
MW-234S	Dec-92	10	196	<1.0	<1.0	516	221	<1		7.83	294.1	86.6	95	328	<0.02	<0.02						
MW-234S	Feb-93	9	204	8.8	<1.0	635	186	18		7.3	250.3	84	150	364	<0.02	0.02	<0.5	<5	<0.004	<0.004	<0.5	
MW-234S	May-93	12	184	<1.0	1.5	424	218	4		7.5	207.1	88.1	84	324	<0.02	0.06						
MW-234S	Aug-93	13	184	<1.0	1.5	451	241	<1.0		7.32	165.3	130	90	332	<0.02	<0.02						
MW-234S	Dec-93	9.5	188	5.9	2	469	259	6		7.09	259.9	79.5	155	328	<0.02	0.09						
MW-234S	Feb-94	10	188	2.9	1	528	257	<1.0		7.88	131.4	87.5	90	300	<0.02	<0.05	<2.0				<0.5	0.9
MW-234S	May-94	10.5	196	2.2	<1.0	453	287	17		7.57	210.8	95.7	67	360	0.02	0.14	<2.0		<0.004	<0.004	<0.50	0.84
MW-234S	Aug-94	12	308	<5.0	2	524	325	<1		7.26	39.7	105	10.4	352	0.1	0.22	<2.0	5	<0.004	<0.004	<0.5	2.2
MW-234S	Nov-94	11.5	198	9.5	2	532	204	5		7.47	110.6	81.8	53	328	0.03	0.25	<2.0				<0.5	3.28
MW-234S	March-95	11	224	10	1	439	301	6		7.24	36.8	154	47	424	0.31	0.2	<2				<0.5	<0.2
MW-234S	June-95	11.5	222	<5.0	7	404	259	15		7.45	1.8	84.2	62	400	0.41	0.24	<2				<0.5	<0.2
MW-234S	Sept-95	11	179	<5.0	1	349	260	6		7.46	48.9	97.2	42	380	0.07	0.06	<2				<0.5	<0.2
MW-234S	Nov-95	10	244	12.2	<1	463	245	<1		7.28	50	174	76	488	<0.02	<0.05	<2	10	<0.004	<0.004	<0.5	0.6
MW-234S	April-96	10.4	210	7.8	18	1290	350	<1		6.7	<0.002	110	120	420	<0.03	0.086	<4	50	<0.01	<0.01	0.85	3.1
MW-234S	June-96	10.9	250	24	<1	721	400	<1		7.4	<0.002	92	22	300	<0.03	<0.02	<4				1.8	<2
MW-234S	Sept-96	10.9	250	25	<1	980	440	<1		7	0.0035	165	21	580	0.037	<0.02	<4				0.25	<2
MW-234S	Nov-96	10.4	260	<1	2.8	587	370	1		7.5	<0.002	175	210	10	<0.03	<0.02	<4	15	<0.01	<0.01	0.53	<2
MW-234S	March-97	10.2	280	6.4	4.5	1100	450	<1		6.9	<0.002	135	190	197	<0.03	<0.02	<4				0.39	<2
MW-234S	June-97	11	280	13	4.8	728	470	<1		7.5	<0.002	165	200	880	<0.03	<0.02	<4				0.33	
MW-234S	Sept-97	12	240	4.9	4.6	710	380	1.1		7.7	<0.002	160	200	140	<0.03	0.028	7				0.31	<2
MW-234S	Dec-97	10.2	540	9.2	2.7	823	430	1.7		7.65	<0.002	120	200	>999	0.074	<0.02	<4				0.21	<2
MW-234S	Mar-98	9.9	720	<1	3.7	857	540	<1		8.01	<0.002	170	130	>999	0.042	<0.02	<4	15	<0.01	<0.01	0.47	<2
MW-234S	June-98	12.2	310	<3	1.9	822	470	1.2		7.69	<0.002	45	200	337	0.055	0.026	<4				0.37	<1
MW-234S	Sept-98	11.4	270	46	2.7	703	440	1.3		7.28	<0.002	0.85	140	>999	<0.03	<0.02	<4				0.28	<1
MW-234S	Dec-98	10.4	230	21	1.8	638	430	1		7.38	<0.002	185	120	>999	<0.03	<0.02	<4				0.34	<1
MW-234S	Apr-99	10.8	250	13	4.5	752	480	1.1		7.84	<0.002	130	150	>999	<0.03	<0.02	<4				0.86	<0.1
MW-234S	Jun-99	11.4	230	40	4.6	690	550	1.4		7.12	<0.002	215	140	>999	<0.03	0.02	<4				0.69	<0.1
MW-234S	Sept-99	12.1	230	6.5	4.5	641	400	1.1		7.1	<0.002	385	50	>999	<0.03	<0.02	<4				0.3	<0.1
MW-234S	Dec-99	10.1	240	9.2	4.5	656	460	1		8.15	<0.002	245	120	955	<0.03	<0.02	<4	1	<0.01	<.03	0.3	<.1
MW-234S	Apr-00	9.4	243	<10	3.75	650	352	1.1		7.82	<0.004	-85	120	7.8	0.108	<0.05	<3	<10	<0.01	<0.01	<1	<1
MW-234S	Jun-00	14.1	234	<10	3.34	525	378	1.1		7.59	<0.004	-178	150	27.1	<0.1	<0.05	<3				<1	<1
MW-234S	Sept-00	11.4	228	<10	5.15	659	355	1.2		7.74	<0.004	-27	180	17	425	<0.1	<0.05	<3			6.22	<1
MW-234S	Dec-00	9.2	232	<10	3.11	631	337	1.7		7.67	<0.004	95	120	6.3	435	<0.1	<0.05	<3			<1	<1
MW-234S	Mar-01	10.8	243	<10	3.44	693	369	1.7		7.64	<0.004	51	140	3.7	444	<0.1	<0.05	<3			<1	<1
MW-234S	Jun-01	13.8	230	<10	3.79	18.19	340	2.6		7.49	<0.004	2	131	2.6	417	<0.1	<0.1	<5	<0.01		<1	<1
MW-234S	Sept-01	11.8	306	<10	3.58	635	323	1.2		7.53	<0.004	-11	110	16.6	414	<0.1	<0.1	<3			<1	<1
MW-234S	Dec-01	10.3	208	<10	3.3	596	312	<1		7.37	<0.004	9	102	27.6	376	<0.1	<0.1	<3			<1	<1
MW-234S	Mar-02	10.5	215	<10	3.21	572	326	<1		7.55	<0.004	24	103	3.1	377	<0.1	<0.1	<3			<1	<1
MW-234S	Jun-02	12	233	<10	3.09	630	321	1.9		7.69	<0.004	31	105	7.2	407	<0.1	<0.1	<3			<1	<1
MW-234S	Sept-02	12.1	221	<10	3.61	601	311	<1		7.44	<0.004	198.7	106	7.8	418	<0.1	<0.1	<3		<0.005	<0.01	<1
MW-234S	Dec-02	8.7	228	<10	3.64	685	346	<1		7.68	<0.004	21	125	1.3	450	<0.1	<0.1	<3			<1	<1
MW-234S	Apr-04	11.8	233	<10	2.98	698	342	1.1		8.07	<0.004	225	124	6.6	474	<0.10	<0.1	<5	<0.005	<0.01	<1	<1
MW-234S	Jun-05	18.1	229	<10	<5.0	544	338	2.07		8.04	<0.0100	98	125	7.4	454	<1.00	0.28	15	<0.0100	<0.010	<1.00	<1.00

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) (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)
Class GA CW Qual. Std's & Guid. Val.					250				6.5-8.5	6.5-8.5	0.001		250		500	2	10						2
MW-234D	Nov-89	11.6	78.9	<10.0	16.1	281.5	62.4	2.51	8.50		0.006	-95.6	51.9	27	174	0.11	0.3	10	<5	<0.005	<0.01		
MW-234D	Feb-90		162		40.7		276	2.36			<0.005		103	22	546	0.07		2	10			0.3	
MW-234D	Apr-90	10.7	272		30.8	371	344	8.63	8.63			-93.7	88.5	30	361	<0.04		17	10			0.11	
MW-234D	Nov-90	10	188	<1	30.3	420	290	5	7.70	7.2	<0.010	130.6	120	35	401	<0.08	<0.1	7.4	10	<0.004	0.032	<0.5	
MW-234D	Feb-91	10	184	<0.5	34.7	620	300	3.4	7.50	7.83	<0.010	115.4	98	17	448	<0.04	<0.04						
MW-234D	May-91	11	178	5	32.9	450	286	3.2	7.50	7.36	<0.010	222.9	78.5	12.5	437	0.03	0.13						
MW-234D	Aug-91	10	176	1.6	26	670	270	<3.0	7.80	7.56	<0.010	280.3	79.2	10	437	<0.03	<0.04						
MW-234D	Nov-91	11	220	1.9	21	659	264	<1		7.46	<0.010	303.6	90	4.1	364	<0.02	0.07						
MW-234D	Feb-92	11	186	18	25.7	641	284	<1.0		7.22	<0.010	79	90	19	364	0.06	<0.02	<0.5	<5	<0.010	<0.004	<0.5	
MW-234D	May-92	13	234	6	40.5	662	331	<1.0		7.44	<0.010	290.1	113	56	400	0.07	0.06						
MW-234D	Aug-92	12	166	1	30.5	592	245	<1		7.36	<0.010	315.2	106	4.3	420	<0.04	0.22						
MW-234D	Dec-92	10	228	<1.0	30.5	776	355	<1		7.39	<0.010	37.9	96.8	38	456	0.05	<0.02						
MW-234D	Feb-93	9	212	2.6	34.5	674	225	12		7.26	<0.010	227.3	83	34.5	428	<0.02	<0.02						
MW-234D	May-93	10.5	222	<1.0	38	431	271	7		7.36	<0.010	191	90.6	18	428	<0.02	<0.02	<0.5	<5	<0.004	<0.004	<0.5	
MW-234D	Aug-93	12.5	218	<1.0	41	563	301	<1.0		7.2	<0.010	134.6	107	3	456	<0.02	<0.02						
MW-234D	Dec-93	10	220	4.9	31	638	308	<1.0		6.95	<0.010	276.4	86.8	23.5	416	<0.02	0.06					<0.5	0.89
MW-234D	Feb-94	10	218	<1.0	34	683	283	<1.0		7.64	<0.010	157.6	86	26	388	<0.02	0.45	<2.0				<0.50	0.92
MW-234D	May-94	11	220	3.2	43	554	300	26		7.37	<0.010	238	97.6	6.9	440	0.22	0.12	<2.0				<0.5	2.4
MW-234D	Aug-94	12	252	10	37	704	322	<1		7.4	<0.010	85.2	115	9.2	480	0.06	0.34	2.2	5	<0.004	<0.004	<0.5	2.4
MW-234D	Nov-94	11	262	9.5	40	585	301	10		7.33	<0.010	127.4	89.3	11.2	500	0.03	0.21	<2.0				<0.5	3.42
MW-234D	March-95	10.5	214	5	33	456	279	4		7.22	<0.010	72.8	105	4.3	428	0.19	0.3	<2				<0.5	<0.2
MW-234D	June-95	12.5	250	<5.0	39	476	307	11		7.24	<0.010	16	79	7.2	500	0.22	0.15	<2				<0.5	<0.2
MW-234D	Sept-95	12	270	12.5	37	435	323	<1		7.29	<0.010	31.7	99.4	7.8	520	0.07	<0.05	<2				<0.5	<0.2
MW-234D	Nov-95	10.5	236	<5.0	33	425	228	<1		7.25	<0.010	54.6	91.9	18	456	<0.02	<0.05	<2				<0.5	<0.2
MW-234D	April-96	10.2	160	<1	8.6	690	240	2.3		7	<0.002	-35	83	150	340	<0.03	0.091	<4	10	<0.01	<0.01	1	2.2
MW-234D	June-96	11.2	260	1	28	718	350	<1		7.2	<0.002	78	84	24	520	<0.03	<0.02	<4				1.2	<2
MW-234D	Sept-96	10.8	230	1	31	740	300	1		7	0.0035	60	84	7.4	490	<0.03	<0.02	<4				0.34	<2
MW-234D	Nov-96	11.5	220	<1	26	770	270	2.4		7.45	<0.002	160	91	11	380	<0.03	<0.02	<4	15	<0.01	<0.01	0.61	<2
MW-234D	March-97	9.9	160	8.6	28	550	200	1.1		7.4	<0.002	135	74	70	350	<0.03	0.092	<4				0.56	<2
MW-234D	June-97	11.1	180		27	504	210	1.7		7.68	0.0028	185	61	<1	340	<0.03	0.088	<4				0.5	<2
MW-234D	Sept-97	12	150	<1	29	490	220	1.8		7.7	<0.002	155	63	25	350	<0.03	0.13	<4				0.2	<2
MW-234D	Dec-97	9.9	170	4.8	26	541	170	1.2		7.88	<0.002	130	60	33	290	0.032	0.052	<4				0.13	<2
MW-234D	Mar-98	9.6	170	<1	26	539	240	1.2		7.91	<0.002	165	89	118	360	<0.03	0.12	<4				0.31	<2
MW-234D	June-98	11.8	270	<3	24	594	300	1.6		7.32	<0.002	35	82	113	330	0.035	0.052	<4	1	<0.01	<0.01	0.45	<1
MW-234D	Sept-98	11.5	350	21	34	797	460	2.2		7.05	<0.002	65	66	144	550	<0.03	0.069	4.2				0.63	<1
MW-234D	Dec-98	9.3	390	12	45	859	480	3.1		7.07	<0.002	30	45	115	580	<0.03	<0.02	12				0.51	<1
MW-234D	Apr-99	11.1	200	5.4	33	641	310	1.5		6.31	<0.002	130	85	220	400	<0.03	0.05	<4				2.5	0.32
MW-234D	Jun-99	11.2	180	5.5	29	510	330	1.4		7.31	<0.002	210	77	140	330	<0.03	0.096	<4				0.38	0.23
MW-234D	Sept-99	12.2	320	23	34	782	440	1.7		7.91	0.0024	240	86	288	470	<0.03	<0.02	9.8				0.33	0.31
MW-234D	Dec-99	10.2	260	12	31	745	400	1.4		8.24	<0.002	245	92	191	470	<0.03	<0.2	<4	5	<0.01	<0.03	0.26	0.24
MW-234D	Apr-00	9.7	175	<10	30	550	228	1.2		7.75	<0.004	-74	76	23	352	0.178	0.138	<3	10	<0.01	<0.01	<1	<1
MW-234D	Jun-00	14	255	<10	30	550	338	1.2		7.85	<0.004	-160	88	7.49	421	<0.1	<0.05	<3				<1	<1
MW-234D	Sept-00	11.2	256	<10	29.6	714	334	1		7.44	0.0035	-21	88	7.6	421	<0.1	<0.05	<3				<1	<1
MW-234D	Dec-00	9.2	229	<10	26.2	624	310	<1		7.66	<0.004	48	70	5.3	425	<0.1	0.115	<3				<1	<1
MW-234D	Mar-01	10.7	225	<10	26.2	618	284	2.2		7.54	0.0046	-23	78	1.8	358	<0.1	0.099	<3				<1	<1
MW-234D	Jun-01	12	318	<10	36.5	735	335	2.8		7.35	<0.004	-63	102	1.7	429	<0.1	<0.1	<3	20	<0.01		<1	<1
MW-234D	Sept-01	12.6	256	<10	34.4	771	349	1.1		7.39	<0.004	-55	102	8.82	468	<0.1	<0.1	<3				<1	<1
MW-234D	Dec-01	10.6	254	<10	32.8	759	357	<1		7.29	<0.004	-13	91.7	6.58	451	<0.1	<0.1	<3				<1	<1
MW-234D	Mar-02	10.3	254	<10	34.5	696	353	<1		7.12	<0.004	-5	90.6	1.2	436	<0.1	<0.1	<3				<1	<1
MW-234D	Jun-02	11.9	253	<10	30.4	674	321	<1		7.59	0.005	-15	77.9	3	419	<0.1	<0.1	<3				<1	<1
MW-234D	Sept-02	12.4	255	<10	33.4	702	312	<1		7.44	0.0067	57.3	88.1	1.6	458	<0.1	<0.1	<3	10	<0.005	<0.01	<1	<1
MW-234D	Dec-02	9.4	238	<10	38.1	717	327	<1		7.48	<0.004	1.5	94	0.9	462	<0.1	<0.1	<3				<1	<1
MW-234D	Apr-04	11.2	241	<10	35.9	755	350	1.1		7.96	<0.004	189	105	3.2	463	<0.10	<0.1	<3	<5	<0.005	<0.01	<1	<1
MW-234D	Jun-05	15.3	143	<10.0	28	493	204	2.69		7.97	<0.0100	116	71.7	6.3	340	<1.00	0.39	<4.00	15	<0.0100	<0.010	<1.00	<1.00

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 (S.U.)	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)
Class GA GW Qual.		6.5-8.5		6.5-8.5		0.001		250		500		2		10		2		10		2		2	
Std's & Guid. Val.																							
MW-235S	Dec-00	8.4	578	19.2	25.5	1142	637	<1	7.39	<0.004	-39	61	719	<0.1	<0.05	<3	<1	<1	<1	<1	<1	<1	<1
MW-235S	Mar-01	10.9	570	<10	<1	1144	571	7.1	7.31	<0.004	-94	54	668	<0.1	0.09	<3	<1	<1	<1	<1	<1	<1	<1
MW-235S	Jun-01	13.9	555	<10	31.2	1158	600	11	7.14	<0.004	-116	68	685	<0.1	<0.1	<3	<1	<1	<1	<1	<1	<1	<1
MW-235S	Sep-01	13.1	553	13.8	27.3	1181	621	5.9	7.2	<0.004	-117	59.1	702	0.114	<0.1	<3	<1	<1	<1	<1	<1	<1	<1
MW-235S	Dec-01	10.8	619	25.6	21.7	1200	629	5.6	7.07	<0.004	-109	48.9	696	<0.1	<0.1	<3	<1	<1	<1	<1	<1	<1	<1
MW-235S	Mar-02	10.5	646	14.2	17.9	1213	699	6.7	7.11	<0.004	-60	40.2	733	<0.1	<0.1	<3	<1	<1	<1	<1	<1	<1	<1
MW-235S	Jun-02	12.3	679	<10	16.6	1264	358	7.1	7.26	<0.004	-89	38.1	719	0.11	<0.1	<3	<1	<1	<1	<1	<1	<1	<1
MW-235S	Sept-02	12.1	678	12.9	17.6	1233	674	4.4	7.25	<0.004	28.5	40.2	776	0.242	<0.1	<3	<1	<1	<1	<1	<1	<1	<1
MW-235S	Dec-02	8.5	671	<10	16.6	1357	693	4.7	7.25	<0.004	-11	32.5	775	<0.1	<0.1	<3	<1	<1	<1	<1	<1	<1	<1
MW-235S	Apr-04	11.7	627	16	20.2	1228	628	6.8	7.72	<0.004	98	25.7	748	0.433	<0.1	<3	<1	<1	<1	<1	<1	<1	<1
MW-235S	Jun-05	Location Not Sampled																					
MW-235D	Dec-00	8.6	183	<10	17.1	539	201	<1	7.72	<0.004	8	79	326	0.134	<0.05	<3	<1	<1	<1	<1	<1	<1	<1
MW-235D	Mar-01	10.6	188	<10	18	539	187	2.5	7.62	<0.004	-90	75	286	<0.01	0.121	3	<1	<1	<1	<1	<1	<1	<1
MW-235D	Jun-01	14.9	185	<10	19.8	567	197	4.2	7.71	<0.004	-27	79.2	320	<0.1	<0.1	<3	<1	<1	<1	<1	<1	<1	<1
MW-235D	Sep-01	14.7	214	11	17	574	201	2.1	7.79	<0.004	99	75.2	328	<0.1	0.187	<3	<1	<1	<1	<1	<1	<1	<1
MW-235D	Dec-01	11	197	<10	17.3	562	216	1.3	7.45	<0.004	-82	68.3	316	0.242	<0.1	<3	<1	<1	<1	<1	<1	<1	<1
MW-235D	Mar-02	10.5	197	<10	16.8	474	210	1.6	7.64	<0.004	37	70.4	323	<0.1	0.262	<3	<1	<1	<1	<1	<1	<1	<1
MW-235D	Jun-02	12.6	217	<10	18.4	1292	195	2.2	6.86	<0.004	-98	58.3	341	4.5	<0.1	<3	<1	<1	<1	<1	<1	<1	<1
MW-235D	Sept-02	12.5	237	<10	19.9	546	187	2.2	7.9	0.0055	-3.3	38.6	334	8.9	5.96	<0.1	4	<1	<1	<1	<1	<1	<1
MW-235D	Dec-02	9.5	205	<10	20.1	541	193	1.3	7.85	<0.004	-88.5	60.2	335	6.4	2.53	<0.1	3	<1	<1	<1	<1	<1	<1
MW-235D	Apr-04	11.4	320	128	9.27	616	248	42	7.58	0.215	-76	<5.0	373	18.3	<0.1	>20E	<1	<1	<1	<1	<1	<1	<1
MW-235D	Jun-05	Location Not Sampled																					

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 (S.U.)	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)
Class GA GW Qual. Std's & Guid. Val.					250				6.5-8.5	6.5-8.5	0.001		250		500	2	10						2
MW-236S	Nov-89	10.9	156	<10.0	13.8	355	212	2.22	7.72		0.016	-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		65.4	3.08	252	0.19		5	10			78	
MW-236S	Apr-90	12.4	168		14.3	487	200	11.5	7.60			-32.4	65.9	19	334	<0.04		44	5			0.19	
MW-236S	Nov-90	10	180	49	17.1	360	255	15	7.80	7.1	<0.005	105.2		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	7.80	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	7.70	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	7.90	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	0.027	170.4	117	410	868	0.06	0.07						
MW-236S	Feb-94	10.5	222	8.9	30	473	256	<1.0		7.18	<0.010	260.6	76.1	425	316	<0.02	<0.05	<2.0				<0.5	0.8
MW-236S	May-94	11.5	212	12.9	30	473	252	17		7.16	0.033	150.2	77.6	70	400	<0.02	0.08	3				<0.5	0.79
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	<5	<0.004	<0.004	<0.5	2
MW-236S	Nov-94	11.5	242	14.3	32	465	288	4		7.08	<0.010	108.4	85.2	45	472	0.02	0.26	<2.0				<0.5	2.05
MW-236S	March-95	10	327	10	43	512	406	15		6.48	<0.010	58.8	120	63	620	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	120	392	<0.02	0.08	<2	10	<0.004	<0.004	<0.5	<0.2
MW-236S	April-96	9.8	260	41	41	770	450	2.5		7.9	<0.002	210	110	>900	530	<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	1.1		7.4	<0.002	220	45	360	390	0.14	0.052	<4				3.7	<2
MW-236S	Sept-96	13.4	240	28	19	560	260	1.1		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				0.59	<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				0.37	<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				0.17	<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	320	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 (S.U.)	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)
Class GA GW Qual.					250				6.5-8.5	6.5-8.5	0.001		250		500	2	10						2
Std's & Guid. Val.																							
MW-236D	Nov-89	11.8	121	<0.01	77.5	363	167	0.84	8.03		0.011	-71.15	10.1	135	266	0.07	<0.10	21	5	<0.005	<0.01		
MW-236D	Feb-90		113		75.6		167	1.28			<0.005		<10.0	14.3	260	0.37		47	10			35	
MW-236D	Apr-90	11.9	106		81	419	172	19.2	6.55		<0.005		10.6	12	281	<0.04		92	15			0.04	
MW-236D	Nov-90	10	119	8.8	76.8	340	185	7.2	7.70	7.35	<0.05	-66.8	13	55	298	<0.1	<0.1	2.9	<5	<0.004	0.026	<0.5	
MW-236D	Feb-91	10	116	<0.5	81.4	1000	190	9	8.00	8.11	<0.010	81.1	13.5	40	369	0.14	<0.04						
MW-236D	May-91	11	110	24	82.9	360	186	8	7.90	7.33	<0.010	222.8	13.5	61	331	0.05	<0.04						
MW-236D	Aug-91	12	108	9.8	82.3	550	182	4.6	7.90	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	108	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	271.1	45.8	5.2	240	<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	0.014	142.8	78	1.3	292	0.06	<0.05	<2.0				<0.5	0.94
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	0.93
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			<0.004	<0.5	2.24
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	2.24
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	2.55
MW-236D	March-95	11	131	<5.0	76	371	154	4		6.79	0.038	49.9	32.9	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	5	<0.004	<0.004	<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	2.8
MW-236D	June-96	11.2	150	1	62	459	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		6.2	<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		5.85	<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		5.56	<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

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 (S.U.)	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)
Class GA GW Qual. Std's & Guid. Val.																							
		10.7	297	35.9	35.5	851	648	2.93	7.87	0.024	-16.4	339	280	781	0.29	<0.10	32	<5	<0.005	<0.01			
MW-245S	Nov-89																						
MW-245S	Feb-90		336		47.9	750	9.42	9.42		<0.005			337	2150	945	0.14		8	70			2.34	
MW-245S	Apr-90	11.4	382		57.3	969	670	3.57		<0.005			331	50	970	0.11		8	15			0.75	
MW-245S	Nov-90	12	334	31	27.4	1200	610	19	7.30	7.01	<0.005	134.5	750	300	899	0.14	<0.04	3.4		0.004	<0.004	<0.5	
MW-245S	Feb-91	11	364	3	43.6	1100	640	8.6	7.10	7.35	<0.010	4	154	125	884	0.1	<0.04						
MW-245S	May-91	12	356	7.5	55.6	890	640	9	7.00	6.8	<0.010	233.9	218	196	876	0.05	0.31						
MW-245S	Aug-91	12	336	14.8	44.2	1320	650	9.2	7.00	7.25	<0.010	105.6	277	250	485	0.07	<0.04						
MW-245S	Nov-91	12	330	35	26	1244	614	<1		7.05	<0.010	175.9	286	280	920	0.17	<0.04	<0.5		<0.010	<0.004	<0.5	
MW-245S	Feb-92	10	318	21.1	25.7	1221	707	10		6.76	<0.010	172.9	380	37	844	0.17	<0.02						
MW-245S	May-92	13	422	8.6	90	1268	658	<1.0		7.01	<0.010	217.4	266	80	1068	0.06	<0.02						
MW-245S	Aug-92	14	1910	<1.0	43.5	900	546	<1		6.74	<0.010	97.7	225	35	720	0.06	<0.02						
MW-245S	Dec-92	10.5	390	42.1	40	1426	588	<1		7.22	<0.010	211.8	341	435	944	0.1	<0.02						
MW-245S	Feb-93	10	426	27	42	1102	516	34		6.52	<0.010	159.4	293	360	936	0.11	0.02						
MW-245S	Jun-93	12.5	354	12.8	38	457	502	8		7.1	<0.010	216.8	296	220	916	0.02	<0.02	1	<5	<0.004	<0.004	0.5	
MW-245S	Sep-93	13.5	314	4.86	40	683	568	<1.0		6.75	<0.010	96.1	317	190	888	<0.02	<0.02						
MW-245S	Dec-93	11	256	7.4	31	904	568	10		7.08	<0.010	139.2	352	240	872	<0.02	0.02						
MW-245S	Mar-94	11	416	10.6	37	1275	628	60		6.96	<0.010	248.4	402	260	860	0.04	<0.05	<2.0				<0.5	
MW-245S	Jun-94	13.5	472	6.5	35	1035	633	3		6.86	<0.010	109.1	339	230	1053	<0.02	0.02	<2.0		<0.004	0.004	<0.5	
MW-245S	Aug-94	11.5	236	<5.0	22.5	852	447	2		6.99	<0.010	69.4	235	28	646	0.07	<0.05	<2.0		<0.004	0.004	<0.5	
MW-245S	Nov-94	11	396	9.5	42	822	498	7		7.05	<0.010	126.8	288	41	920	0.1	<0.05	<2.0		<0.01	<0.01	<0.50	
MW-245S	March-95	11.5	509	5	46	686	844	13		7.12	<0.010	106.4	229	53	1052	1.83	0.11	<2				0.64	
MW-245S	June-95	12	355	<5.0	39	558	607	<1		7.08	<0.010	13.0	286	93	952	0.18	0.64	<2				<0.5	
MW-245S	Sept-95	11.5	378	20.8	45	525	562	32		7.12	<0.010	11.7	315	110	992	0.21	0.1	<2				<0.5	
MW-245S	Dec-95	10.5	532	<5.0	45	512	646	<1		7.01	<0.010	16.3	239	15	1036	0.1	<0.05	<2		<0.004	<0.004	<0.5	
MW-245S	April-96	11.2	480	79	45	1390	770	2.3		7.1	<0.002	150	280	140	1100	0.042	<0.02	<4		<0.01	<0.01	0.49	
MW-245S	June-96	12.3	350	88	21	1180	550	2.3		6.6	0.0056	120	380	560	830	0.046	<0.02	<4				11	
MW-245S	Sept-96	10.8	410	43	28	1200	620	2.2		7.5	<0.002	70	460	82	860	<0.03	0.033	<4				0.72	
MW-245S	Nov-96	9.5	370	120	29	1130	540	2.3		7.02	<0.002	100	440	150	750	0.06	<0.02	<4		<0.01	<0.01	0.29	
MW-245S	March-97	9.9	380	23	25	1210	600	3.2		7.1	<0.002	110	240	>999	730	<0.03	<0.02	<4				1.2	
MW-245S	June-97	11.6	410	68	32	1150	650	2.7		6.79	<0.002	305	440	357	830	0.16	<0.02	<4				<2	
MW-245S	Sept-97	13	530	15	33	1100	540	2.4		7.4	<0.002	165	240	150	790	0.088	<0.02	<4				0.33	
MW-245S	Dec-97	9.3	340	14	23	1100	570	2.4		7.58	<0.002	155	280	135	660	0.15	<0.02	<4				0.4	
MW-245S	Mar-98	9.7	400	13	25	1230	600	2		7.47	<0.002	240	420	42	840	0.081	<0.02	<4		<0.01	<0.01	0.38	
MW-245S	June-98	12.4	240	<3	3.3	453	460	3.3		7.55	<0.002	115	41	238	270	<0.03	0.054	<4		<0.01	<0.01	0.95	
MW-245S	Sept-98	12.2	330	8.2	32	916	640	2.4		6.55	<0.002	155	190	443	690	<0.03	<0.02	<4				0.55	
MW-245S	Dec-98	9.8	360	14	53	893	790	2		7.59	<0.002	115	180	>999	590	<0.03	0.041	<4				0.4	
MW-245S	Apr-99	10.7	320	8.4	25	1110	690	2.1		6.5	<0.002	75	240	315	820	0.061	<0.02	<4				1.1	
MW-245S	Jun-99	11.5	360	31	30	1170	730	1.9		5.14	0.0023	280	210	104	740	0.045	<0.02	<4				0.64	
MW-245S	Sept-99	12.5	340	8.5	40	1020	630	2		6.79	<0.002	300	200	55	710	<0.03	<0.02	<4				0.45	
MW-245S	Dec-99	9.7	360	49	31	1130	610	1.8		6.07	<0.002	520	200	403	680	0.099	<0.02	<4		<0.01	<0.03	0.45	
MW-245S	Apr-00	9.8	380	<10	28.3	1150	582	1.8		7.11	<0.004	-75	200	9.4	828	0.167	<0.05	<3		<0.01	<0.01	<1	
MW-245S	Jun-00	14.4	463	<10	32.8	950	667	3.1		7.53	<0.004	-78	250	4.31	893	0.124	<0.05	<3		50	0.016	<0.01	
MW-245S	Sept-00	11.3	419	<10	34.9	1096	614	2.5		7.07	<0.004	22	200	6.6	776	0.125	<0.05	<3				<1	
MW-245S	Dec-00	9	366	<10	27.6	995	519	<1		7.46	<0.004	84	210	16	711	0.11	<0.05	<3				<1	
MW-245S	Mar-01	10.1	451	<10	25.7	1125	517	2.5		7.06	<0.004	63	220	16	831	<0.1	0.056	<3		<0.01	<0.01	<1	
MW-245S	Jun-01	13.3	337	<10	45.5	971	411	4.5		7.15	0.0041	98	148	6.1	623	<0.1	<0.1	<3		<0.01	<0.01	<1	
MW-245S	Sept-01	12.7	297	<10	34	939	453	2		7.24	<0.004	43	170	12.9	572	0.111	<0.1	<3				<1	
MW-245S	Dec-01	10.3	333	<10	27.7	963	499	1.2		7.54	<0.004	69	171	11.5	622	<0.1	<0.1	<3				<1	
MW-245S	Mar-02	9.2	374	10.4	25.1	954	545	1.4		6.79	<0.004	108	201	11.5	698	0.109	<0.1	<3				<1	
MW-245S	Jun-02	12.8	484	<10	29.1	1257	631	2.2		7.13	<0.004	31	219	6.8	846	0.147	<0.1	<3				<1	
MW-245S	Sept-02	12.3	402	<10	24.7	892	537	2.3		6.88	<0.004	152.3	190	9.91	779	0.109	<0.1	<3		<0.005	<0.01	<1	
MW-245S	Dec-02	9.1	460	<10	29.5	1386	641	2.5		7.09	0.0204	18	221	13	805	0.128	<0.1	<3				<1	
MW-245S	Apr-04	11.7	293	<10	19.5	901	412	2.5		7.82	<0.004	62	150	5.2	570	<0.10	<0.1	<3		<0.005	<0.01	<1	
MW-245S	Jun-05	16.7	260	11.6	42	7																	

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 (S.U.)	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)
									6.5-8.5	6.5-8.5	0.001		250		500	2	10						2
Class GA GW Qual. Std's & Guid. Val.					250																		
MW-24SD	Feb-90		167	39.6	16	536	153	25	7.23		0.006	-16.75	149	8	411	<0.04	<0.01		<0.005	0.01			
MW-24SD	Apr-90	11.3	197		17.2		250	3.72			<0.005		163	13	482	0.8		22	10			0.98	
MW-24SD	Nov-90	9	366	116	14.7	890	210	26	7.70	7.45	0.085	1.7	110	42	565	2.8	<0.04	23		0.004	0.004	8.1	
MW-24SD	Feb-91	11	358	18.1	15.9	930	260	<3.0	7.60	7.63	<0.010	-48.3	138	180	496	4.4	<0.04						
MW-24SD	May-91	12	288	9.4	18.7	600	290	6.1	7.30	7.01	<0.010	171.5	122	80	530	2.62	0.55						
MW-24SD	Aug-91	11	276	11.7	18.3	915	330	7.3	7.30	7.58	<0.010	104.9	154	40	580	1.91	<0.04						
MW-24SD	Nov-91	13	306	7.8	17	898	288	<1		7.18	<0.010	53	112	21	540	5.95	<0.04						
MW-24SD	Feb-92	10	340	28.6	19.8	862	370	3		6.86	<0.010	131.2	151	29	496	4.8	<0.02	1.2	<5	<0.010	<0.004	6	
MW-24SD	May-92	13	288	10.6	11	842	320	<1.0		7.24	<0.010	199.2	164	2.3	624	2.59	<0.02						
MW-24SD	Aug-92	13	330	<1.0	20	570	297	<1		6.93	<0.010	64.1	125	20	176	4.44	<0.02						
MW-24SD	Dec-92	10	314	9.14	14.5	1046	293	<1		7.24	<0.010	203.8	158	7.7	572	3.34	0.12						
MW-24SD	Feb-93	10	288	16.2	14.5	804	262	27		6.79	<0.010	142.7	184	3.6	356	2.89	<0.02						
MW-24SD	Jun-93	13.5	300	1.7	16	441	325	7		7.31	<0.010	202.2	175	5	560	3.99	0.09	2.2	<5	<0.004	<0.004	5	
MW-24SD	Sept-93	13	264	<1.0	17	609	350	<1.0		6.94	<0.010	151.5	159	0.5	568	2.87	<0.02						
MW-24SD	Dec-93	10.5	244	<1.0	18	814	398	10		7.09	<0.010	-0.1	212	3.1	592	2	0.03						
MW-24SD	Mar-94	11	244	<1.0	19	904	338	34		6.88	<0.010	240.6	181	2	448	2.97	<0.05	<2.0				3.54	0.19
MW-24SD	Jun-94	14	260	<1.0	17	709	362	<1		7.15	<0.010	105.8	181	1.3	593	3.78	0.02	<2.0				6.03	0.16
MW-24SD	Aug-94	11.5	248	13.3	19	885	412	12		7.08	<0.010	64.8	195	2.1	548	2.39	1.18	2	<0.004	<0.004	<0.5	1.12	
MW-24SD	Nov-94	11.5	267	23.8	19	649	347	9		7.26	<0.010	128.9	173	1.3	560	1.65	0.33	<2.0				3.8	1.88
MW-24SD	March-95	11.5	148	<5.0	18	535	459	6		7.22	<0.010	107.2	157	0.6	344	3.55	0.22	<2				1.38	<0.2
MW-24SD	June-95	12	271	14	18	502	378	3		6.99	<0.010	-12.8	182	2.9	604	2.17	0.22	<2				3.2	<0.2
MW-24SD	Sept-95	11	242	12.5	19	461	356	15		7.05	<0.010	14.8	204	1.2	668	3.27	0.08	<2				1.13	<0.2
MW-24SD	Dec-95	10	250	<5.0	20	426	362	<1		7.07	<0.010	27.4	206	1	640	2.46	<0.05	<2				0.73	<0.2
MW-24SD	April-96	11.2	270	5.5	21	95	610	2.6		7.5	<0.002	175	210	10	650	1	0.02	<4	<0.01	<0.01	<0.01	2.1	0.12
MW-24SD	June-96	12.4	290	14	16	1000	520	1.4		7.2	<0.002	-5	320	10	1300	1	<0.02	5.2				10	<2
MW-24SD	Sept-96	11	330	<1	16	980	400	5.4		7.3	<0.002	-30	350	45	700	0.73	<0.02	11				2.3	<2
MW-24SD	Nov-96	9.9	340	10	20	1000	300	1.4		7.17	<0.002	105	380	26	650	2.2	<0.02	8.5				6.1	<2
MW-24SD	March-97	9.6	480	38	18	1010	420	2.1		7		125	90	110	640	6	0.1	<4	<0.01	<0.01	<0.01	6	<2
MW-24SD	June-97	11.9	160	26	19	883	380	2.3		6.73	0.014	180	170	100	590	4.9	0.021	<4				7.3	<2
MW-24SD	Sept-97	13.8	340	13	63	930	330	1.4		7.7	<0.002	190	180	9	640	5.7	<0.02	5				6.8	<2
MW-24SD	Dec-97	9.4	350	7	17	990	390	1.9		7.49	<0.002	40	380	23	590	3.1	<0.02	8				4.7	<2
MW-24SD	Mar-98	9.6	430	28	19	1020	390	2.9		7.69	<0.002	240	190	29	620	8.4	<0.02	9.5				9.1	<2
MW-24SD	June-98	12.1	400	<3	20	957	400	1.9		6.85	<0.002	-85	210	33	670	12	0.055	<4	<0.01	<0.01	<0.01	13	<1
MW-24SD	Sept-98	12.1	360	15	26	960	410	3.1		6.65	<0.002	-15	180	46	790	6	<0.02	9				6.9	<1
MW-24SD	Dec-98	9.7	270	19	20	840	490	2.2		7.04	<0.002	15	110	16	500	2.4	0.038	11				2.9	<1
MW-24SD	Apr-99	Location Not Sampled																					
MW-24SD	Jun-99	11.3	350	40	20	1020	410	1.8		6.37	<0.002	160	184	118	620	8.3	0.027	7.7				9.7	<0.1
MW-24SD	Sept-99	Location Not Sampled																					
MW-24SD	Apr-00	9.6	222	54.8	23.9	990	384	1.8		7.14	<0.004	-67	140	24	622	9.43	0.994		<0.01			11.8	
MW-24SD	Jun-00	14.1	304	28.3	23.7	750	321	1.4		7.58	<0.004	-100	190	25.6	629	7.14	0.094	3				8.22	<1
MW-24SD	Sept-00	11.5	300	<10	23.2	977	329	1.5		7.53	<0.004	-100	170	12	580	6.71	<0.05	<3				7.19	<1
MW-24SD	Dec-00	9	295	<10	21.9	954	298	<1		7.59	<0.004	-45	200	13	574	7.01	<0.05	<3				8.37	<1
MW-24SD	Mar-01	9.9	351	<10	23	948	271	5.3		7.2	<0.004	-117	190	12	546	6.93	<0.05	<3				5.52	<1
MW-24SD	Jun-01	13.1	297	<10	26.2	1012	292	2.9		7.54	<0.004	-111	206	20	584	7.08	0.352	5	<0.01			9.08	<1
MW-24SD	Sept-01	13.1	283	27.8	24.2	970	290	1.8		7.53	0.005	-112	198	15.1	552	7.12	<0.1	<3				8.74	<1
MW-24SD	Dec-01	10.2	288	<10	23.2	959	266	<1		7.53	<0.004	-81	192	19.2	571	7.29	<0.1	<3				5.32	<1
MW-24SD	Mar-02	9.7	294	<10	21.8	901	315	<1		7.33	<0.004	-80	188	34.9	563	8.22	<0.1	<3				3.43	<1
MW-24SD	Jun-02	13	295	<10	22.3	925	307	1.6		7.51	<0.004	-73	185	25.7	569	7.09	<0.1	<3				6.02	<1
MW-24SD	Sept-02	12.3	294	<10	23.8	817	288	<1		7.41	<0.004	167	188	33.1	609	6.59	<0.1	<3				5.56	<1
MW-24SD	Dec-02	8.9	278	<10	25.7	936	293	1.1		7.71	<0.004	-49	202	8.5	575	6.48	<0.1	<3				5.85	<1
MW-24SD	Apr-04	11.3	558	24	23.7	843	361	2		7.78	<0.004	42	176	6.2	593	4.59	0.89	13	15	<0.005	<0.01	5	<1
MW-24SD	Jun-05	15.7	314	17.5	25	874	327	2.45		7.98	<0.0100	109	165	37	590	<1.00	1.11	18.8	20	<0.0100	<0.010	4.02	<1.00

TABLE 14 - HISTORICAL GROUNDWATER ANALYTICAL DATA - METAL PARAMETERS

Monitoring Well	Sample Date	Chemical	Al	As	Ba	Be	B	Ca	Cr	Cu	Fe	Mn	Hg	Ni	K	Sr	Ag	Nb	Ti	V	Zn
Unit	Unit	Unit	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
MW-2335	Nov-90	Al	12	<0.060	<0.020	0.12	<0.01	140	<0.03	0.05	20	0.02	0.001	<0.01	4.7	<0.005	<0.02	5	<0.010		0.07
MW-2335	Feb-91	As						119			5.2	<0.020			2.53			4.5			
MW-2335	May-91	Ba						116			1.14	<0.020			2.3			4.94			
MW-2335	Aug-91	Be									1.5	<0.005			3.84			6.49			
MW-2335	Nov-91	B						106			0.38	<0.020			2.82			4.97			
MW-2335	Feb-92	Ca	4.7	<0.060	<0.020	0.12	<0.010	109	<0.030	<0.020	7.05	<0.020	<0.001	<0.040	2.37	<0.005	<0.020	4.74	<0.010		0.027
MW-2335	May-92	Cr						114			0.197	<0.020			1.47			4.41			
MW-2335	Aug-92	Cu						118			0.39	<0.020			2.68			3.5			
MW-2335	Dec-92	Fe						131			0.39	<0.020			2.9			3.81			
MW-2335	Feb-93	Mn						153			1.23	<0.020			4.34			5.17			
MW-2335	May-93	Hg						161	<0.020	<0.020	0.05	<0.005	<0.001	<0.040	1.88	<0.005	<0.020	2.21	<0.010		<0.020
MW-2335	Aug-93	Ni						213			0.39	<0.020			2.39			7.01			
MW-2335	Dec-93	K						217			1.5	<0.020			3.24			4.86			
MW-2335	Feb-94	Sr						142			0.39	<0.020			3.2			3.6			
MW-2335	May-94	Ag						112			0.39	<0.020			1.8			4.26			
MW-2335	Aug-94	Nb	0.41	<0.060	<0.020	<0.010	<0.010	112	<0.020	0.35	<0.005	<0.005	<0.001	<0.040	2.82	<0.005	<0.020	2.07	<0.005		0.078
MW-2335	Nov-94	Ti						76			0.19	<0.005			1.88			3.4			
MW-2335	March-95	V						220			0.39	<0.020			2.71			2.2			
MW-2335	June-95	Zn						180			0.39	<0.020			2.07			1.36			
MW-2335	Sept-95	Al	0.26	<0.060	<0.020	0.11	<0.010	133	<0.020	0.025	<0.005	<0.005	<0.001	<0.040	2.82	<0.005	<0.020	1.85	<0.005		0.011
MW-2335	Nov-95	As	0.21	<0.010	<0.010	<0.010	<0.005	86	<0.010	<0.020	0.39	<0.020			1.4	<0.010	<0.020	2.2	<0.010		0.023
MW-2335	April-96	Ba						84			0.39	<0.020			3.3			2.5			
MW-2335	June-96	Be						150			0.39	<0.020			2.5			6.6			
MW-2335	Sept-96	B						140			0.39	<0.020			3.1			3.1			
MW-2335	Nov-96	Ca	0.42	<0.060	0.011	<0.010	<0.010	170	<0.010	<0.010	0.39	<0.020			2.1	<0.010	<0.020	2.2	<0.010		0.039
MW-2335	Mar-97	Cr						170			0.39	<0.020			2.4			2.7			
MW-2335	June-97	Cu						180			0.39	<0.020			3			3.3			
MW-2335	Sept-97	Fe						200			0.39	<0.020			3.3			3.8			
MW-2335	Dec-97	Mn						260	<0.010	0.021	0.39	<0.020			2.1	<0.010	<0.020	3.8	<0.010		0.044
MW-2335	Mar-98	Hg						210			0.39	<0.020			4.4			3.3			
MW-2335	May-98	Ni						210			0.39	<0.020			<1			3			
MW-2335	Dec-98	K						210			0.39	<0.020			2.44			2.9			
MW-2335	June-99	Sr						<0.005	242		0.39	<0.020			2.99			2.8			
MW-2335	Sept-99	Ag						133			0.39	<0.020			1.76			2.4			
MW-2335	Dec-99	Nb						142			0.39	<0.020			2.18			2.2			
MW-2335	Mar-01	Ti						168	<0.010	<0.010	0.39	<0.020			2.67	<0.005	<0.010	2.92	<0.001	<0.010	0.026
MW-2335	June-01	V						187			0.39	<0.020			2.9			2.7			
MW-2335	Sept-01	Zn						194			0.39	<0.020			2.43			2.65			
MW-2335	Dec-01	Al						192			0.39	<0.020			2.07			2.62			
MW-2335	Mar-02	As						203			0.39	<0.020			2.43			2.62			
MW-2335	June-02	Ba						186	<0.010	<0.010	0.39	<0.020			2.43			2.62			
MW-2335	Sept-02	Be	0.197	<0.060	0.010	0.071	<0.005	186	<0.010	<0.010	0.39	<0.020			2.43			2.62			
MW-2335	Dec-02	B						194			0.39	<0.020			2.43			2.62			
MW-2335	Apr-04	Ca	<0.1	<0.060	<0.010	0.026	<0.005	132	<0.002	<0.002	0.39	<0.020			2.43			2.62			
MW-2335	June-05	Cr						104	<0.002	<0.002	0.39	<0.020			2.43			2.62			
MW-2335	Aug-05	Cu						104	<0.002	<0.002	0.39	<0.020			2.43			2.62			
MW-2335	Oct-05	Fe						104	<0.002	<0.002	0.39	<0.020			2.43			2.62			
MW-2335	Dec-05	Mn						104	<0.002	<0.002	0.39	<0.020			2.43			2.62			
MW-2335	Feb-06	Hg						104	<0.002	<0.002	0.39	<0.020			2.43			2.62			
MW-2335	Apr-06	Ni						104	<0.002	<0.002	0.39	<0.020			2.43			2.62			
MW-2335	June-06	K						104	<0.002	<0.002	0.39	<0.020			2.43			2.62			
MW-2335	Aug-06	Sr						104	<0.002	<0.002	0.39	<0.020			2.43			2.62			
MW-2335	Oct-06	Ag						104	<0.002	<0.002	0.39	<0.020			2.43			2.62			
MW-2335	Dec-06	Nb						104	<0.002	<0.002	0.39	<0.020			2.43			2.62			
MW-2335	Feb-07	Ti						104	<0.002	<0.002	0.39	<0.020			2.43			2.62			
MW-2335	Apr-07	V						104	<0.002	<0.002	0.39	<0.020			2.43			2.62			
MW-2335	June-07	Zn						104	<0.002	<0.002	0.39	<0.020			2.43			2.62			
MW-2335	Aug-07	Al						104	<0.002	<0.002	0.39	<0.020			2.43			2.62			
MW-2335	Oct-07	As						104	<0.002	<0.002	0.39	<0.020			2.43			2.62			
MW-2335	Dec-07	Ba						104	<0.002	<0.002	0.39	<0.020			2.43			2.62			
MW-2335	Feb-08	Be						104	<0.002	<0.002	0.39	<0.020			2.43			2.62			
MW-2335	Apr-08	B						104	<0.002	<0.002	0.39	<0.020			2.43			2.62			
MW-2335	June-08	Ca						104	<0.002	<0.002	0.39	<0.020			2.43			2.62			
MW-2335	Aug-08	Cr						104	<0.002	<0.002	0.39	<0.020			2.43			2.62			
MW-2335	Oct-08	Cu						104	<0.002	<0.002	0.39	<0.020			2.43			2.62			
MW-2335	Dec-08	Fe						104	<0.002	<0.002	0.39	<0.020			2.43			2.62			
MW-2335	Feb-09	Mn						104	<0.002	<0.002	0.39	<0.020			2.43			2.62			
MW-2335	Apr-09	Hg						104	<0.002	<0.002	0.39	<0.020			2.43			2.62			
MW-2335	June-09	Ni						104	<0.002	<0.002	0.39	<0.020			2.43			2.62			
MW-2335	Aug-09	K						104	<0.002	<0.002	0.39	<0.020			2.43			2.62			
MW-2335	Oct-09	Sr						104	<0.002	<0.002	0.39	<0.020			2.43			2.62			
MW-2335	Dec-09	Ag						104	<0.002	<0.002	0.39	<0.020			2.43			2.62			
MW-2335	Feb-10	Nb						104	<0.002	<0.002	0.39	<0.020			2.43			2.62			
MW-2335	Apr-10	Ti						104	<0.002	<0.002	0.39	<0.020			2.43			2.62			
MW-2335	June-10	V						104	<0.002	<0.002	0.39	<0.020			2.43			2.62			
MW-2335	Aug-10	Zn						104	<0.002	<0.002	0.39	<0.020			2.43			2.62			
MW-2335	Oct-10	Al						104	<0.002	<0.002	0.39	<0.020			2.43			2.62			
MW-2335	Dec-10	As						104	<0.002	<0.002	0.39	<0.020			2.43			2.62			
MW-2335	Feb-11	Ba						104	<0.002	<0.002	0.39	<0.020			2.43			2.62			
MW-2335	Apr-11	Be						104	<0.002	<0.002	0.39	<0.020			2.43			2.62			
MW-2335	June-11	B																			

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-Mn (mg/l)	d-Ni (mg/l)	d-Pb (mg/l)	d-Se (mg/l)	d-Sr (mg/l)	d-Ti (mg/l)	d-V (mg/l)	d-Zn (mg/l)	Al (mg/l)	As (mg/l)	Ba (mg/l)	Be (mg/l)	H (mg/l)	Cd (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)	Ca (mg/l)	Na (mg/l)	Th (mg/l)	V (mg/l)	Zn (mg/l)		
MW-2455	Nov-89																1.16	<0.6	0.05	0.899	0.01	<0.010	450	0.455	209	0.168	0.0097	0.00047	0.00007	0.00047	0.00007	<0.005	<0.01	12.7	<0.01		0.725	
MW-2455	Feb-90																					<0.010																
MW-2455	Apr-90																4	<0.060	<0.020	0.07	<0.01		307	<0.02	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-2455	Nov-90																					<0.010	197															
MW-2455	Feb-91																					<0.010	178															
MW-2455	May-91																					<0.010	208															
MW-2455	Aug-91																					<0.010	171															
MW-2455	Nov-91																					<0.010	171															
MW-2455	Feb-92																1.08	<0.060	<0.020	0.15	<0.010		214	<0.020														
MW-2455	May-92																					<0.010	191															
MW-2455	Aug-92																					<0.010	156															
MW-2455	Dec-92																					<0.010	156															
MW-2455	Feb-93																					<0.010	156															
MW-2455	Jun-93																					<0.010	140															
MW-2455	Sep-93																8.08	<0.060	<0.020	<0.10	<0.010		147	<0.020														
MW-2455	Dec-93																					<0.010	130															
MW-2455	Feb-94																					<0.010	143															
MW-2455	May-94																					<0.010	176															
MW-2455	Aug-94																					<0.010	180															
MW-2455	Nov-94																0.27	<0.060	<0.020	<0.10	<0.010		136	0.048														
MW-2455	March-95																<0.20	<0.060	<0.020	0.35	<0.010		173	0.071														
MW-2455	June-95																11	<0.1	<0.01	<0.2	<0.010		240	0.015														
MW-2455	Sept-95																					<0.010	220															
MW-2455	Dec-95																					<0.010	200															
MW-2455	April-96																					<0.010	160															
MW-2455	June-96																					<0.010	180															
MW-2455	Sept-96																					<0.010	180															
MW-2455	Nov-96																					<0.010	180															
MW-2455	Mar-97																					<0.010	180															
MW-2455	June-97																					<0.010	180															
MW-2455	Sept-97																					<0.010	180															
MW-2455	Dec-97																					<0.010	180															
MW-2455	Mar-98																					<0.010	180															
MW-2455	June-98																					<0.010	180															
MW-2455	Sept-98																					<0.010	180															
MW-2455	Dec-98																					<0.010	180															
MW-2455	Mar-99																					<0.010	180															
MW-2455	June-99																					<0.010	170															
MW-2455	Sept-99																					<0.010	170															
MW-2455	Dec-99																					<0.010	170															
MW-2455	April-00																					<0.010	170															
MW-2455	June-00																					<0.010	170															
MW-2455	Sept-00																					<0.010	170															
MW-2455	Dec-00																					<0.010	170															
MW-2455	Mar-01																					<0.010	170															
MW-2455	June-01																					<0.010	170															
MW-2455	Sept-01																					<0.010	170															
MW-2455	Dec-01																					<0.010	170															
MW-2455	Mar-02																					<0.010	170															
MW-2455	June-02																					<0.010	170															
MW-2455	Sept-02																					<0.010	170															
MW-2455	Dec-02																					<0.010	170															
MW-2455	April-04																					<0.010	170															
MW-2455	June-05																					<0.010	170															

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

Sample Location	Sample Date	ALK (mg/l)	COD (mg/l)	Cl- (mg/l)	Hard (mg/l)	TOC (mg/l)	Phenols (mg/l)	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	86	10	<0.002	32	210	<0.03	0.35	<4				0.76	7.78	<0.1
SW-3	Jun-99	150	18	52	220	5.7	0.002	26	290	<0.03	0.55	4.2				1.1	7.27	<0.1
SW-3	Sept-99	82	31	36	200	11	<0.002	90	330	<0.03	0.94	<4				0.86	7.05	<0.1
SW-3	Dec-99	120	24	35	190	10	<0.002	97	360	0.092	3.1	<4	55	<.01	<.03		11.01	<.1
SW-3	Apr-00	65.3	21.9	28.8	100	6.6	<0.004	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	145	8.3	<0.004	200	241	<0.1	0.743	3				<.1	7.8	<.1
SW-3	Sep-00	146	<10	42.1	173	9.2	<0.004	33	230	<0.1	0.855	<3				<.1	9.2	<.1
SW-3	Dec-00	45.8	31.6	30.6	95.2	8.9	0.0066	34	144	<0.1	1.54	<3				2.01	8.1	<.1
SW-3	Mar-01	72.8	<10	39.7	101	5	<0.004	33	170	<0.1	1.12	<3	150	<0.01		1.69	10.9	<.1
SW-3	Jun-01	72.3	36.6	40.3	100	20	<0.004	20.1	192	<0.1	0.479	4				1.35	7.5	<.1
SW-3	Sep-01	171	<10	73.8	237	5.3	<0.004	44.6	365	<0.1	0.67	<3				1.35	7.4	<.1
SW-3	Dec-01	143	10.8	63.8	200	4.2	0.0232	35	290	<0.1	0.95	<3				<.1	9	<.1
SW-3	Mar-02	92.3	<10	77.9	156	6.4	<0.004	55.8	265	<0.1	0.724	<3				<.1	12.3	<.1
SW-3	Jun-02	113	<10	49.3	144	7.9	<0.004	29.3	267	<0.1	0.784	<3				<.1	8.4	<.1
SW-3	Sep-02	155	<10	78.5	232	5.6	<0.004	66.6	405	<0.1	1.34	<3	50	<0.005	<0.01	<.1	9	<.1
SW-3	Dec-02	50.9	19.5	38.9	123	9	<0.004	54	252	<0.1	0.64	<3				<.1	8.6	<.1
SW-3	Apr-04	96.4	26	48	118	6.4	<0.004	17.4	211	<0.10	0.5	3	<5	<0.005	<0.01	<.1	8.4	<.1
SW-3	Sep-05	188	14.5	81	257	5.9	<0.0100	38.5	446	<1.0	1.01	<4.00	500	<0.0100	<0.010	<.1		<.1
SW-5	Apr-99	95	11	43	130	5.7	<0.002	24	230	<0.03	0.59	<4				1.1	8.71	<0.1
SW-5	Jun-99	150	14	52	230	5.6	0.0023	27	290	<0.03	0.58	4				0.93	6.5	<0.1
SW-5	Sept-99	85	31	39	200	11	<0.002	91	370	<0.03	1.2	<4				0.89	7.28	<0.1
SW-5	Dec-99	68	28	35	200	10	<.002	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	99.8	7	<0.004	31	177	0.137	1.52	8	100	<0.01	<0.01	<.1	9.2	<.1
SW-5	Jun-00	117	24.2	36	143	8.6	<0.004	19	251	0.155	0.74	3				<.1	7.8	<.1
SW-5	Sep-00	147	19.9	42.2	172	9.6	<0.004	25	238	<0.1	0.914	<3				<.1	9	<.1
SW-5	Dec-00	91.7	105	36.7	193	7.4	0.0072	81	231	0.167	1.72	<3				7.37	7.9	<.1
SW-5	Mar-01	75.7	<10	40	106	5.4	<0.004	19	156	<0.1	1.1	<3				7.52	10.8	<.1
SW-5	Jun-01	91.5	28.4	42.5	124	15	<0.004	21.7	205	0.105	1.03	<3	125	<0.01		1.01	5.2	<.1
SW-5	Sep-01	173	<10	73.4	242	5.3	<0.004	46.8	354	<0.1	0.742	<3				<.1	7.5	<.1
SW-5	Dec-01	145	<10	64.2	194	4.5	<0.004	36	299	<0.1	0.96	<3				<.1	9.2	<.1
SW-5	Mar-02	73.5	17.7	77.7	159	6	<0.004	54.5	279	<0.1	0.704	<3				<.1	10.8	<.1
SW-5	Jun-02	113	<10	49.7	142	7.9	<0.004	27.6	279	<0.1	0.815	<3				<.1	8.1	<.1
SW-5	Sep-02	158	<10	80	233	5.8	<0.004	76.3	422	<0.1	1.46	<3	50	<0.005	<0.01	1.17	9.2	<.1
SW-5	Dec-02	102	<10	51.8	160	4.2	<0.004	41.3	266	0.1	1.42	<3				<.1	8.6	<.1
SW-5	Apr-04	105	15	47.4	128	5.4	<0.004	18.4	241	<0.10	<0.1	<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	<1.00		<1.00
SW-8	Apr-99	97	12	43	130	5.2	<0.002	24	230	<0.03	0.6	<4				0.67	8.46	<0.1
SW-8	Jun-99	150	13	52	230	5.7	0.0024	27	290	<0.03	0.61	<4				1.1	6.17	<0.1
SW-8	Sept-99	91	34	40	200	11	<0.002	91	360	<0.03	1.2	14				0.93	7.41	<0.1
SW-8	Dec-99	78	24	35	200	11	<.002	100	370	0.1	3.3	4.5	50	<0.01	<.03	1.6	11.28	<.1
SW-8	Apr-00	65.2	24.2	30	98.8	6.7	<0.004	29	188	0.15	1.52	7	100	<0.01	<0.01	<.1	9	<.1
SW-8	Jun-00	114	23.2	36.4	155	9.5	<0.004	24	231	0.103	0.754	<3				<.1	8.1	<.1
SW-8	Sep-00	146	10	42.1	178	9.5	<0.004	27	273	<0.1	0.924	<3				<.1	8.8	<.1
SW-8	Dec-00	91.2	23	36.3	155	5.5	<0.004	39	190	<0.1	1.79	<3				1.67	7.6	<.1
SW-8	Mar-01	74.8	<10	39.7	102	5.3	<0.004	24	202	<0.1	1.1	<3	125	<0.01		1.69	11	<.1
SW-8	Jun-01	92.1	31.3	44.1	121	18	<0.004	21.6	209	<0.1	1.2	3				<.1	6	<.1
SW-8	Sep-01	175	<10	74.1	236	5.5	<0.004	45.6	387	<0.1	0.727	3				<.1	7.3	<.1
SW-8	Dec-01	147	<10	63.3	209	4.4	<0.004	36	301	<0.1	0.93	<3				<.1	8.5	<.1
SW-8	Mar-02	73.3	<10	77.6	155	6	<0.004	54.4	276	<0.1	0.72	<3				<.1	9.1	<.1
SW-8	Jun-02	115	<10	50.4	148	8.6	<0.004	27.8	250	<0.1	0.832	<3				<.1	8.4	<.1
SW-8	Sep-02	166	13.2	77.9	233	5.3	0.0115	58.5	406	<0.1	1.54	<3	45	<0.005	<0.01	1.76	9.6	<.1
SW-8	Dec-02	86.7	<10	51.4	160	4.8	<0.004	43.9	265	<0.1	1.47	<3				<.1	8.5	<.1
SW-8	Apr-04	106	30	47.5	130	5.5	<0.004	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	<0.0100	38.4	428	<1.0	0.934	<4.00	500	<0.0100	<0.010	<1.0		<1.00
SW-13	Apr-99	93	21	43	120	5.2	<0.002	23	230	<0.03	0.58	<4				0.68	9.31	<0.1
SW-13	Jun-99	150	16	53	260	5.8	0.0026	26	290	<0.03	0.55	<4				1.4	6.86	<0.1
SW-13	Sept-99	91	31	40	200	11	<0.002	91	370	<0.03	1.2	<4				1.1	6.79	<0.1
SW-13	Dec-99	44	29	36	110	12	<.002	40	230	0.03	1.5	<4	60	<0.01	<.03	0.98	9.5	<.1
SW-13	Apr-00	64.9	29.6	30.8	98.4	7	<0.004	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	140	10	<0.004	20	247	<0.1	0.753	<3				<.1	7.9	<.1
SW-13	Sep-00	147	<10	42.5	172	12	<0.004	28	244	<0.1	1.17	<3				<.1	9	<.1
SW-13	Dec-00	52.6	<10	30.2	96.7	9	<0.004	36	181	<0.1	1.67	<3				1	8	<.1
SW-13	Mar-01	75	13.9	40.2	111	5	<0.004	30	199	<0.1	1.2	<3				<.1	11	<.1
SW-13	Jun-01	93.7	32.6	43.1	127	16	0.0045	21.5	216	<0.1	1.03	3	125	<0.01		1.35	6.8	<.1
SW-13	Sep-01	175	<10	71.3	235	5.5	<0.004	50.5	362	<0.1	0.678	<3				1.01	7.5	<.1
SW-13	Dec-01	144	<10	64.4	201	4.5	<0.004	36	305	<0.1	0.96	<3				<.1	8.7	<.1
SW-13	Mar-02	72.7	<10	77.5	142	6.1	<0.004	55.7	266	<0.1	0.729	<3				<.1	12.6	<.1
SW-13	Jun-02	106	<10	50.1	146	8	<0.004	27.4	247	<0.1	0.83	<3				<.1	8.6	<.1
SW-13	Sep-02	159	<10	76.5	234	5.7	<0.004	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	123	10	<0.004	52.7	239	<0.1	0.68	<3				1.45	8.4	<.1
SW-13	Apr-04	102	34	49.3	122	6.1	<0.004	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	<0.0100	38.8	446	<1.00	1.15	<4.00	750	<0.0100	<0.010	<.1		<.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-Cu (mg/l)	Cr (mg/l)	Co (mg/l)	Cu (mg/l)	T-Fe (mg/l)	T-Pb (mg/l)	T-Mg (mg/l)	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)
SW-3	Apr-99	0.1		0.15			10				0.005		0.3				0.0077			0.0046	0.0001		0.008	0.014	
SW-3	Jun-99							<0.01	25			<0.01	0.99	<0.01	5.9	0.098			1.5			15			
SW-3	Sept-99							<0.01	57			<0.01	1.5	<0.01	20	0.2			2.7			37			
SW-3	Dec-99	0.7	<0.01	<0.01	<2	<0.01	<5	<0.01	56	<0.01	<0.01	<0.01	1.2	<0.01	14	0.14	<0.0002	<0.01	2.6			23	0.016	<0.01	0.026
SW-3	Apr-00	0.54	<0.050	<0.002	<0.016	<0.002	<0.048	<0.0050	27.6	<0.010	<0.010	<0.017	0.923	<0.001	12	0.2	<0.0002	<0.012	3.1	0.071	<0.010	15.1	<0.001	<0.010	<0.020
SW-3	Jun-00							<0.0050	38.5				0.908	0.003	11.8	0.051	0.105		1.54			19.8			
SW-3	Sept-00							<0.005	45.4				0.751	0.001	14.4	0.106	0.106		1.62			22.3			
SW-3	Dec-00							<0.005	27.9				0.921	0.002	6.2	0.113	0.113		2.67			14.9			
SW-3	Mar-01		<0.050	<0.002	0.026	<0.002		<0.005	26.8			<0.017	0.696	0.005	8.27	0.044		<0.0002	1.41		<0.010	18.4	<0.001	<0.010	<0.020
SW-3	Jun-01	0.493						<0.005	29.2	<0.010	<0.010		1.53	0.013	6.63	0.163		<0.012	1.75			19			
SW-3	Sept-01							<0.005	60				0.97	0.005	21.2	0.135			3.11			38			
SW-3	Dec-01							<0.005	51.4				0.878	<0.001	17.3	0.122	0.135		3.4			32.1			
SW-3	Mar-02							<0.005	44				0.544	0.001	11.2	0.099			1.75			30.2			
SW-3	Jun-02							<0.005	38.9	<0.010	<0.010	<0.017	0.736	0.002	11.5	0.099		<0.012	1.78	<0.001	<0.010	36.6	<0.001	<0.010	0.029
SW-3	Sept-02	0.909	<0.050	0.002	0.037	<0.002	0.065	<0.005	61.5				1.34	0.007	19.1	0.148	<0.0002	<0.012	4.32			24.6			
SW-3	Dec-02	0.938	<0.050	0.001	0.019	<0.002	<0.048	0.001	33.8	<0.002	<0.010	<0.017	0.386	0.004	9.46	0.065		<0.012	4.38	<0.001	<0.010	19	<0.001	<0.010	<0.020
SW-3	Apr-04	0.152	<0.0044	<0.0031	0.0405	<0.0004	0.0598	<0.001	31.9		<0.010	<0.017	1.19	0.001	9.2	0.118	<0.0002	<0.012	2.11	<0.0039	<0.0011	22	<0.001	<0.010	<0.020
SW-3	Sept-05							<0.0008	64	0.0013	<0.0019	0.0031	0.248	<0.0019	23.7	0.211	<0.00016	<0.0023	5.45			39.8	<0.0029	<0.002	0.0058
SW-5	Apr-99							<0.01	33				0.64	<0.01	11	0.063			1.6			20			
SW-5	Jun-99							<0.01	58				1.3	<0.01	20	0.16			2.7			34			
SW-5	Sept-99							<0.01	56				1.5	<0.01	14	0.17			2.7			23			
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	0.22	<0.0002	<0.01	3.2	0.075	<0.01	16	<0.023	<0.01	<0.028
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	0.055	<0.0002	<0.012	1.56	<0.002	<0.010	15	<0.001	<0.010	<0.020
SW-5	Jun-00							<0.0050	38.1				0.861	0.006	11.7	0.102			1.61			19.6			
SW-5	Sept-00							<0.005	45.4				0.657	0.002	14.3	0.102			2.62			22			
SW-5	Dec-00							<0.005	52.4				9.17	0.013	15.1	0.674			3.06			18.4			
SW-5	Mar-01		<0.050	0.003	0.022	<0.002		<0.005	28	<0.010	<0.010	<0.017	1.18	0.002	8.79	0.078	0.0002	<0.012	1.35	<0.002	<0.010	19.6	<0.001	<0.010	<0.020
SW-5	Jun-01	0.941						<0.005	33.3				1.82	0.006	9.97	0.136			2.44			38.6			
SW-5	Sept-01							<0.005	61.4				0.785	0.005	21.6	0.109			3.52			31.7			
SW-5	Dec-01							<0.005	49.8				0.933	<0.001	17	0.124			1.86			30.9			
SW-5	Mar-02							<0.005	44.8				0.854	0.001	11.4	0.098			1.66			24.1			
SW-5	Jun-02							<0.005	38.2	<0.010	<0.010	<0.017	0.745	0.002	11.4	0.098		<0.012	4.41	<0.001	<0.010	37	<0.001	<0.010	0.026
SW-5	Sept-02	0.834	<0.050	0.002	0.038	<0.002	0.066	<0.005	61.4				1.17	0.006	19.3	0.176	<0.0002	<0.012	2.04			23.9	<0.001	<0.010	<0.020
SW-5	Dec-02	0.747	<0.050	0.001	0.018	<0.002	<0.048	<0.001	41.7	<0.002	<0.010	<0.017	0.934	<0.001	13.6	0.077	<0.0002	<0.012	1.82	<0.001	<0.010	23	<0.001	<0.010	<0.020
SW-5	Apr-04	0.241	<0.0044	<0.0031	0.0377	<0.0004	0.0523	<0.0008	34.4		<0.010	<0.017	0.939	<0.001	10.3	0.09	<0.0002	<0.012	4.98	<0.0039	0.0021	37.1	<0.0029	<0.002	0.0044
SW-5	Sept-05							<0.0008	59.8	<0.0009	<0.0019	0.003	0.285	<0.0019	22.2	0.211	<0.00016	<0.0023							
SW-8	Apr-99							<0.01	33				0.67	<0.01	11	0.065			1.6			20			
SW-8	Jun-99							<0.01	59				1	<0.01	20	0.14			2.7			35			
SW-8	Sept-99							<0.01	55				1.1	<0.01	14	0.15			2.6			23			
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	0.28	<0.0002	<0.01	<0.01	0.042	<0.01	15	<0.01	<0.01	0.033
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	0.052	<0.0002	<0.012	1.65	<0.002	<0.010	15	<0.001	<0.010	<0.020
SW-8	Jun-00							<0.0050	41.1				0.981	0.004	12.6	0.127			1.68			21.1			
SW-8	Sept-00							<0.005	46.8				0.655	0.001	14.8	0.098			2.61			22.5			
SW-8	Dec-00							<0.005	41.7				3.13	0.005	12.3	0.243			2.33			19.3			
SW-8	Mar-01		<0.050	0.003	0.019	<0.002		<0.005	26.8	<0.010	<0.010	<0.017	0.505	0.001	8.44	0.044	<0.0002	<0.012	1.2	<0.002	<0.010	18.2	<0.001	<0.010	<0.020
SW-8	Jun-01	0.532						<0.005	32.6				1.25	0.002	9.61	0.092			2.23			19.1			
SW-8	Sept-01							<0.005	59.7	<0.010	<0.010	<0.017	0.829	0.01	21.2	0.155			3.34			37.7			
SW-8	Dec-01							<0.005	54.2				1.06	0.001	18	0.135			3.21			33			
SW-8	Mar-02							<0.005	43.6				0.658	<0.001	11.3	0.097			1.8			30.9			
SW-8	Jun-02							<0.005	39.7	<0.010	<0.010	<0.017	0.692	0.002	11.8	0.096		<0.012	1.77	<0.001	<0.010	24.9	<0.001	<0.010	0.025
SW-8	Sept-02	0.774	<0.050	0.002	0.037	<0.002	0.053	<0.005	60.6			<0.017	1.4	0.002	19.8	0.156	<0.0002	<0.012	4.5			38.1	<0.001	<0.010	<0.020
SW-8	Dec-02							<0.001	42	<0.002	<0.010	<0.017	0.356	<0.001	13.3	0.079	<0.0002	<0.012	1.91	<0.001	<0.010	23.2	<0.001	<0.010	<0.020
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	0.096	<0.0002	<0.012	1.95	<0.001	<0.010	23.3	<0.001	<0.010	<0.020
SW-8	Sept-05	0.396	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	0.191	<0.00016	<0.0023	4.92	<0.0039	0.0015	37.2	<0.0029	<0.002	0.0345
SW-13	Apr-99							<0.01	31				0.59	<0.01	10	0.06			1.5			17			
SW-13	Jun-99							<0.01	67				8.2	0.014	21	1			3.2			37			
SW-13	Sept-99							<0.01	56				1.2	<0.01	14	0.15			2.6			23			
SW-13	Dec-99		<0.01	<0.01	<2	<0.01	<5	<0.01	33	<0.01	<0.01	<0.01	0.98	<0.01	7.3	0.13	<0.0002	<0.01	2.4	0.059	<0.01	18	0.022	<0.01	0.012
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	0.058	<0.0002	<0.012	1.75	<0.002	<0.010	15.3	<0.001		

TABLE 17 - HISTORICAL LEACHATE ANALYTICAL DATA

Sample Location	Sample Date	Temp (C)	ALK (mg/l)	COD (mg/l)	Cl- (mg/l)	Cond uninhos/cm	Hard (mg/l)	TOC (mg/l)	pH (field)	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	Apr-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	Jun-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	Sep-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	0.034	<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	Jun-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	Sep-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-01	11.6	3620	1220	1960	10550	678	390	7.08	0.0478	-84	64	370	4380	535	0.101	68				694	17
MH-7	Jun-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	Sep-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	9120	532	1320	7.91	0.0651	37	34.6	168	4070	519	<0.1	38				548	17.1
MH-7	Jun-02	16.7	3250	1380	582	10170	653	192	6.89	0.0677	-75	108	35	3680	523	<0.1	71				561	13.8
MH-7	Sep-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	Dec-02	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	Apr-04	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	Jun-05		1990	450	1300		626	188		0.073		161		3310	45.6	<0.200	>42.8	500	<0.0100	<0.010	570	<1.00
MH-15	Apr-99	8.5	2600	670	980	7720	780	200	6.75	0.02	0	370	130	3700	390	<0.02	82				410	6
MH-15	Jun-99	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	Sep-99	18.3	3000	820	840	7500	790	250	6.55	0.015	-15	180	246	3500	420	<0.02	88				360	6.1
MH-15	Dec-99	8.8	3690	780	1200	1030	750	250	8.44	0.014	125	27	108	4600	610	0.061	110	500	0.038	<0.04	630	9.6
MH-15	Apr-00	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	Jun-00	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	Sep-00	15.9	3500	1160	1210	8850	740	320	7.31	0.0835	-79	51	36	4200	437	0.342	43				548	<1
MH-15	Dec-00	3.4	3000	833	920	7730	760	320	7.26	0.0625	-17	61	37	3470	360	0.05	49				461	<1
MH-15	Mar-01	4.1	2010	498	560	4490	579	131	6.88	0.0573	-41	55	22	2120	202	0.134	35				353	3.31
MH-15	Jun-01	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	Sep-01	21.9	4050	1250	1160	10290	746	810	7.71	0.043	-19	151		4980	606	<0.1	69				598	10
MH-15	Dec-01	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	Mar-02	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	Jun-02	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	Sep-02	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	Dec-02	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	Apr-04	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

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	Apr-99		<0.01	87	23	0.012	120	0.4	320	1200															
MH-7	Jun-99		<0.01	110	26	0.015	140	0.52	390	1700															
MH-7	Sept-99		<0.01	90	15	<0.01	100	0.3	410	1400															
MH-7	Dec-99	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	Apr-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	Sept-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	Mar-01		<0.005	105	32.2	0.01	101	0.647	287	1080															
MH-7	Jun-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	Sept-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	Sept-02	1.65	<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	0.015	0.013	<0.0002
MH-7	Dec-02		<0.001	93	10.4	0.005	97.7	0.309	301	1130															
MH-7	Apr-04	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	Jun-05	2.85	0.001	119	39	0.0108	79.9	0.656	216	42	1.24	0.0105	0.045	<0.003	0.326	0.0662	0.0032	0.0966	<0.0039	<0.0011	<0.0023	0.022	0.0272	0.0064	<0.00016
MH-15	Apr-99		<0.01	170	15	<0.01	89	3.2	230	750															
MH-15	Jun-99		<0.01	130	13	0.033	120	1.6	350	1300															
MH-15	Sept-99		<0.01	170	15	<0.01	86	1.1	240	730															
MH-15	Dec-99	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	0.14	<0.01	<0.01	<0.01	0.043	0.026	0.019	<0.0002
MH-15	Apr-00	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	Jun-00		<0.005	135	5.46	0.005	67.1	0.86	171	613															
MH-15	Sept-00		<0.005	134	1.79	0.012	98.4	1.22	327	1030															
MH-15	Dec-00		<0.005	157	4.71	0.01	89.3	0.948	247	785															
MH-15	Mar-01		<0.005	136	6.36	0.012	58.2	1.13	141	449															
MH-15	Jun-01	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	Sept-01		<0.005	109	1.34	0.014	115	0.748	387	1270															
MH-15	Dec-01		<0.005	117	2.66	<0.001	131	0.67	432	1370															
MH-15	Mar-02		<0.005	140	16.2	0.007	105	1.33	313	1160															
MH-15	Jun-02		<0.005	92.8	4.35	0.004	71.8	0.667	203	623															
MH-15	Sept-02	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-02		<0.001	134	6.49	0.005	76.2	1.23	203	703															
MH-15	Apr-04	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

APPENDIX A

LABORATORY ANALYTICAL REPORT

ANALYTICAL REPORT

JOB NUMBER: 249239

Prepared For:

C&S Engineers
499 Col. Eileen Collins Blvd
Syracuse, New York 13212

Attention: Christen Craig

Date: 07/19/2005

Renée M. Cusack A
Signature

07/20/05
Date

Name: Richard E. Bayer

Title: Project Manager

E-Mail: rickbayer@stl-inc.com

315 Fullerton Avenue
Newburgh, NY 12550

PHONE: (845) 562-0890
FAX...: (845) 562-0841

1 of 82

SAMPLE INFORMATION

Date: 07/19/2005

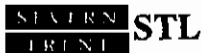
Job Number.: 249239
Customer....: C&S Engineers
Attn.....: Christen Craig

Project Number.....: 20001613
Customer Project ID.....: OCLF, GOSHEN, NEW YOR
Project Description.....: OCLF, Goshen, New York

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
249239-1	MW 304S	Water	06/21/2005	14:16	06/21/2005	15:50
249239-2	MW 304D	Water	06/21/2005	14:16	06/21/2005	15:50
249239-3	MW 234D	Water	06/21/2005	14:16	06/21/2005	15:50
249239-4	MW 234S	Water	06/21/2005	14:16	06/21/2005	15:50
249239-5	MW 233S	Water	06/21/2005	14:16	06/21/2005	15:50
249239-6	MW 222	Water	06/21/2005	14:16	06/21/2005	15:50
249239-7	MW 230S	Water	06/21/2005	14:16	06/21/2005	15:50
249239-8	MW 230D	Water	06/21/2005	14:16	06/21/2005	15:50
249239-9	MW 232S	Water	06/21/2005	14:16	06/21/2005	15:50
249239-10	MW 245S	Water	06/21/2005	14:16	06/21/2005	15:50
249239-11	MW 245D	Water	06/21/2005	14:16	06/21/2005	15:50
249239-12	MW 220	Water	06/21/2005	14:16	06/21/2005	15:50
249239-13	MW 38	Water	06/21/2005	14:16	06/21/2005	15:50
249239-14	Trip Blank	Trip Blank	06/21/2005	00:00	06/21/2005	15:50

2 of 82

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Fax (845) 562-0841

LABORATORY CHRONICLE

Job Number: 249239

Date: 07/19/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Lab ID: 249239-1	Client ID: MW 304S	Date Recvd: 06/21/2005	Sample Date: 06/21/2005		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)	DATE/TIME ANALYZED
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)	1	92645		06/24/2005 0920
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)	1	92729		06/27/2005 1330
SM18 2320B	Alkalinity	1	93069		06/28/2005 1613
SM18 5210B	Biochemical Oxygen Demand (BOD/CBOD)	1	93668		06/23/2005 1052
HACH 8000	Chemical Oxygen Demand (HACH)	1	93671		06/22/2005 0730
SM18 4500Cl	Chloride	1	93582		07/08/2005 1025
SM18 2120B	Color	1	92939		06/23/2005 1415
SM18 4500CNE	Cyanide, Total	1	92982		06/27/2005 0810
EPA 200.7	Hardness by calculation	1	93933		07/12/2005 1858
EPA 200.7	Hardness by calculation	1	93927		07/13/2005 1804
SM18 3500CrD	Hexavalent Chromium	1	92664		06/21/2005 1900
EPA 300.0	Ion Chromatography Analysis	1	93670		06/22/2005 1251
EPA 245.1	Mercury (CVAA)	1	93036		06/28/2005 1051
EPA 245.1	Mercury (CVAA)	1	93036		06/28/2005 1058
EPA 200.7	Metals Analysis (ICP)	1	93762	92645	07/12/2005 1859
EPA 200.7	Metals Analysis (ICP)	1	93828		07/13/2005 1805
LAC 11107041A	Nitrate-Nitrite	1	93672		06/23/2005 0000
SM18 4500NH3E	Nitrogen, Ammonia (Distillation)	1	94111		07/12/2005 1700
LAC 10107062D	Nitrogen, Total Kjeldahl	1	93675		07/07/2005 0218
LAC 10210001A	Phenolics, Total Recoverable	1	93678		06/29/2005 0630
QA Services	Quality Assurance Services	1			
EPA 160.1	Solids, Total Dissolved (TDS)	1	93065		06/28/2005 1500
SM18 5310C	Total Organic Carbon (TOC)	1	93676		07/01/2005 1147
SW846 8260B	Volatile Organics	1	93781		06/24/2005 0000
Lab ID: 249239-2	Client ID: MW 304D	Date Recvd: 06/21/2005	Sample Date: 06/21/2005		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)	DATE/TIME ANALYZED
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)	1	92645		06/24/2005 0920
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)	1	92729		06/27/2005 1330
SM18 2320B	Alkalinity	1	93069		06/28/2005 1621
SM18 5210B	Biochemical Oxygen Demand (BOD/CBOD)	1	93668		06/23/2005 1054
HACH 8000	Chemical Oxygen Demand (HACH)	1	93671		06/22/2005 0730
SM18 4500Cl	Chloride	1	93582		07/08/2005 1025
SM18 2120B	Color	1	92939		06/23/2005 1417
SM18 4500CNE	Cyanide, Total	1	92982		06/27/2005 0810
EPA 200.7	Hardness by calculation	1	93933		07/12/2005 1904
EPA 200.7	Hardness by calculation	1	93927		07/13/2005 1826
SM18 3500CrD	Hexavalent Chromium	1	92664		06/21/2005 1900
EPA 300.0	Ion Chromatography Analysis	1	93670		06/22/2005 1708
EPA 245.1	Mercury (CVAA)	1	93036		06/28/2005 1104
EPA 245.1	Mercury (CVAA)	1	93036		06/28/2005 1106
EPA 200.7	Metals Analysis (ICP)	1	93762	92645	07/12/2005 1904
EPA 200.7	Metals Analysis (ICP)	1	93828		07/13/2005 1826
LAC 11107041A	Nitrate-Nitrite	1	93672		06/23/2005 0000
SM18 4500NH3E	Nitrogen, Ammonia (Distillation)	1	94111		07/12/2005 1700
LAC 10107062D	Nitrogen, Total Kjeldahl	1	93675		07/07/2005 0221
LAC 10210001A	Phenolics, Total Recoverable	1	93678		06/29/2005 0632
QA Services	Quality Assurance Services	1			
EPA 160.1	Solids, Total Dissolved (TDS)	1	93065		06/28/2005 1500
SM18 5310C	Total Organic Carbon (TOC)	1	93676		07/01/2005 1147
SW846 8260B	Volatile Organics	1	93781		06/24/2005 0000
Lab ID: 249239-3	Client ID: MW 234D	Date Recvd: 06/21/2005	Sample Date: 06/21/2005		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)	DATE/TIME ANALYZED
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)	1	92645		06/24/2005 0920

3 of 82

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LABORATORY CHRONICLE

Job Number: 249239

Date: 07/19/2005

CUSTOMER: C&S Engineers

PROJECT: OGLF, GOSHEN, NEW YOR

ATTN: Christen Craig

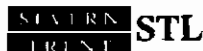
Lab ID: 249239-3	Client ID: MW 2340	Date Recvd: 06/21/2005	Sample Date: 06/21/2005		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)	DATE/TIME ANALYZED DILUTION
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)	1	92729		06/27/2005 1330
SM18 2320B	Alkalinity	1	93069		06/28/2005 1644
SM18 5210B	Biochemical Oxygen Demand (BOD/CBOD)	1	93668		06/23/2005 1056
HACH 8000	Chemical Oxygen Demand (HACH)	1	93671		06/22/2005 0730
SM18 4500Cl	Chloride	1	93582		07/08/2005 1025
SM18 2120B	Color	1	92939		06/23/2005 1419
SM18 4500CNE	Cyanide, Total	1	92982		06/27/2005 0810
EPA 200.7	Hardness by calculation	1	93933		07/12/2005 1909
EPA 200.7	Hardness by calculation	1	93927		07/13/2005 1831
SM18 3500CrD	Hexavalent Chromium	1	92664		06/21/2005 1900
EPA 300.0	Ion Chromatography Analysis	1	93670		06/22/2005 1332
EPA 300.0	Ion Chromatography Analysis	1	92815		06/23/2005 1223 3
EPA 245.1	Mercury (CVAA)	1	93036		06/28/2005 1108
EPA 245.1	Mercury (CVAA)	1	93036		06/28/2005 1151
EPA 200.7	Metals Analysis (ICP)	1	93762	92645	07/12/2005 1910
EPA 200.7	Metals Analysis (ICP)	1	93762	92645	07/12/2005 1915 2.000
EPA 200.7	Metals Analysis (ICP)	1	93828		07/13/2005 1832
EPA 200.7	Metals Analysis (ICP)	1	93973		07/15/2005 1517 2.000
LAC 11107041A	Nitrate-Nitrite	1	93672		06/23/2005 0000
SM18 4500NH3E	Nitrogen, Ammonia (Distillation)	1	94111		07/12/2005 1700
LAC 10107062D	Nitrogen, Total Kjeldahl	1	93675		07/07/2005 0222
LAC 10210001A	Phenolics, Total Recoverable	1	93678		06/29/2005 0633
QA Services	Quality Assurance Services	1			
EPA 160.1	Solids, Total Dissolved (TDS)	1	93065		06/28/2005 1500
SM18 5310C	Total Organic Carbon (TOC)	1	93676		07/01/2005 1147
SW846 8260B	Volatile Organics	1	93781		06/24/2005 0000

Lab ID: 249239-4	Client ID: MW 234S	Date Recvd: 06/21/2005	Sample Date: 06/21/2005		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)	DATE/TIME ANALYZED DILUTION
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)	1	92645		06/24/2005 0920
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)	1	92729		06/27/2005 1330
SM18 2320B	Alkalinity	1	93069		06/28/2005 1652
SM18 5210B	Biochemical Oxygen Demand (BOD/CBOD)	1	93668		06/23/2005 1057
HACH 8000	Chemical Oxygen Demand (HACH)	1	93671		06/22/2005 0730
SM18 4500Cl	Chloride	1	93582		07/08/2005 1025
SM18 2120B	Color	1	92939		06/23/2005 1421
SM18 4500CNE	Cyanide, Total	1	92982		06/27/2005 0810
EPA 200.7	Hardness by calculation	1	93933		07/12/2005 1920
EPA 200.7	Hardness by calculation	1	93927		07/13/2005 1837
SM18 3500CrD	Hexavalent Chromium	1	92664		06/21/2005 1900
EPA 300.0	Ion Chromatography Analysis	1	93670		06/22/2005 1343
EPA 300.0	Ion Chromatography Analysis	1	92815		06/23/2005 1553 4
EPA 245.1	Mercury (CVAA)	1	93036		06/28/2005 1153
EPA 245.1	Mercury (CVAA)	1	93036		06/28/2005 1155
EPA 200.7	Metals Analysis (ICP)	1	93762	92645	07/12/2005 1920
EPA 200.7	Metals Analysis (ICP)	1	93828		07/13/2005 1837
LAC 11107041A	Nitrate-Nitrite	1	93672		06/23/2005 0000
SM18 4500NH3E	Nitrogen, Ammonia (Distillation)	1	94111		07/12/2005 1700
LAC 10107062D	Nitrogen, Total Kjeldahl	1	93675		07/07/2005 0223
LAC 10210001A	Phenolics, Total Recoverable	1	93678		06/29/2005 0633
QA Services	Quality Assurance Services	1			
EPA 160.1	Solids, Total Dissolved (TDS)	1	93065		06/28/2005 1500
SM18 5310C	Total Organic Carbon (TOC)	1	93676		07/01/2005 1147
SW846 8260B	Volatile Organics	1	93781		06/24/2005 0000

Lab ID: 249239-5	Client ID: MW 233S	Date Recvd: 06/21/2005	Sample Date: 06/21/2005		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)	DATE/TIME ANALYZED DILUTION
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)	1	92645		06/24/2005 0920

4 of 82

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LABORATORY CHRONICLE

Job Number: 249239

Date: 07/19/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Lab ID: 249239-5	Client ID: MW 233S	Date Recvd: 06/21/2005	Sample Date: 06/21/2005		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)	DATE/TIME ANALYZED DILUTION
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)	1	92729		06/27/2005 1330
SM18 2320B	Alkalinity	1	93069		06/28/2005 1700
SM18 5210B	Biochemical Oxygen Demand (BOD/CBOD)	1	93668		06/23/2005 1058
HACH 8000	Chemical Oxygen Demand (HACH)	1	93671		06/22/2005 0730
SM18 4500Cl	Chloride	1	93582		07/08/2005 1025
SM18 2120B	Color	1	92939		06/23/2005 1423
SM18 4500CNE	Cyanide, Total	1	92982		06/27/2005 0810
EPA 200.7	Hardness by calculation	1	93933		07/12/2005 1925
EPA 200.7	Hardness by calculation	1	93927		07/13/2005 1842
SM18 3500CrD	Hexavalent Chromium	1	92664		06/21/2005 1900
EPA 300.0	Ion Chromatography Analysis	1	93670		06/22/2005 1353
EPA 245.1	Mercury (CVAA)	1	93036		06/28/2005 1157
EPA 245.1	Mercury (CVAA)	1	93036		06/28/2005 1201
EPA 200.7	Metals Analysis (ICP)	1	93762	92645	07/12/2005 1926
EPA 200.7	Metals Analysis (ICP)	1	93828		07/13/2005 1842
LAC 11107041A	Nitrate-Nitrite	1	93672		06/23/2005 0000
SM18 4500NH3E	Nitrogen, Ammonia (Distillation)	1	94111		07/12/2005 1700
LAC 10107062D	Nitrogen, Total Kjeldahl	1	93675		07/07/2005 0225
LAC 10210001A	Phenolics, Total Recoverable	1	93678		06/29/2005 0634
QA Services	Quality Assurance Services	1			
EPA 160.1	Solids, Total Dissolved (TDS)	1	93065		06/28/2005 1500
SM18 5310C	Total Organic Carbon (TOC)	1	93676		07/01/2005 1147
SW846 8260B	Volatile Organics	1	93781		06/25/2005 0000

Lab ID: 249239-6	Client ID: MW 222	Date Recvd: 06/21/2005	Sample Date: 06/21/2005		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)	DATE/TIME ANALYZED DILUTION
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)	1	92645		06/24/2005 0920
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)	1	92729		06/27/2005 1330
SM18 2320B	Alkalinity	1	93069		06/28/2005 1708
SM18 5210B	Biochemical Oxygen Demand (BOD/CBOD)	1	93668		06/23/2005 1105
HACH 8000	Chemical Oxygen Demand (HACH)	1	93671		06/22/2005 0730
SM18 4500Cl	Chloride	1	93582		07/08/2005 1025
SM18 2120B	Color	1	92939		06/23/2005 1425
SM18 4500CNE	Cyanide, Total	1	92982		06/27/2005 0810
EPA 200.7	Hardness by calculation	1	93933		07/12/2005 1930
EPA 200.7	Hardness by calculation	1	93927		07/13/2005 1847
SM18 3500CrD	Hexavalent Chromium	1	92664		06/21/2005 1900
EPA 300.0	Ion Chromatography Analysis	1	93670		06/22/2005 1403
EPA 300.0	Ion Chromatography Analysis	1	92815		06/23/2005 1244
EPA 245.1	Mercury (CVAA)	1	93036		06/28/2005 1203
EPA 245.1	Mercury (CVAA)	1	93036		06/28/2005 1205
EPA 200.7	Metals Analysis (ICP)	1	93762	92645	07/12/2005 1931
EPA 200.7	Metals Analysis (ICP)	1	93828		07/13/2005 1848
LAC 11107041A	Nitrate-Nitrite	1	93672		06/23/2005 0000
SM18 4500NH3E	Nitrogen, Ammonia (Distillation)	1	94111		07/12/2005 1700
LAC 10107062D	Nitrogen, Total Kjeldahl	1	93675		07/07/2005 0226
LAC 10210001A	Phenolics, Total Recoverable	1	93678		06/29/2005 0635
QA Services	Quality Assurance Services	1			
EPA 160.1	Solids, Total Dissolved (TDS)	1	93065		06/28/2005 1500
SM18 5310C	Total Organic Carbon (TOC)	1	93676		07/01/2005 1147
SW846 8260B	Volatile Organics	1	93781		06/25/2005 0000

Lab ID: 249239-7	Client ID: MW 230S	Date Recvd: 06/21/2005	Sample Date: 06/21/2005		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)	DATE/TIME ANALYZED DILUTION
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)	1	92645		06/24/2005 0920

5 of 82

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LABORATORY CHRONICLE

Job Number: 249239

Date: 07/19/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

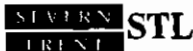
Lab ID: 249239-7 Client ID: MW 230S		Date Recvd: 06/21/2005		Sample Date: 06/21/2005		DILUTION
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	DATE/TIME ANALYZED	
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)	1	92729		06/27/2005	1330
SM18 2320B	Alkalinity	1	93069		06/28/2005	1716
SM18 5210B	Biochemical Oxygen Demand (BOD/CBOD)	1	93668		06/23/2005	1107
HACH 8000	Chemical Oxygen Demand (HACH)	1	93671		06/22/2005	0730
SM18 4500Cl	Chloride	1	93582		07/08/2005	1025
SM18 2120B	Color	1	92939		06/23/2005	1427
SM18 4500CNE	Cyanide, Total	1	92982		06/27/2005	0810
EPA 200.7	Hardness by calculation	1	93933		07/12/2005	1936
EPA 200.7	Hardness by calculation	1	93927		07/13/2005	1853
SM18 3500CrD	Hexavalent Chromium	1	92664		06/21/2005	1900
EPA 300.0	Ion Chromatography Analysis	1	93670		06/22/2005	1414
EPA 300.0	Ion Chromatography Analysis	1	92815		06/23/2005	1254
EPA 245.1	Mercury (CVAA)	1	93036		06/28/2005	1206
EPA 245.1	Mercury (CVAA)	1	93036		06/28/2005	1214
EPA 200.7	Metals Analysis (ICP)	1	93762	92645	07/12/2005	1936
EPA 200.7	Metals Analysis (ICP)	1	93828		07/13/2005	1853
LAC 11107041A	Nitrate-Nitrite	1	93672		06/23/2005	0000
SM18 4500NH3E	Nitrogen, Ammonia (Distillation)	1	94111		07/12/2005	1700
LAC 10107062D	Nitrogen, Total Kjeldahl	1	93675		07/07/2005	0227
LAC 10210001A	Phenolics, Total Recoverable	1	93678		06/29/2005	0636
QA Services	Quality Assurance Services	1				
EPA 160.1	Solids, Total Dissolved (TDS)	1	93065		06/28/2005	1500
SM18 5310C	Total Organic Carbon (TOC)	1	93676		07/01/2005	1147
SW846 8260B	Volatile Organics	1	93781		06/25/2005	0000

Lab ID: 249239-8 Client ID: MW 230D		Date Recvd: 06/21/2005		Sample Date: 06/21/2005		DILUTION
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	DATE/TIME ANALYZED	
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)	1	92645		06/24/2005	0920
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)	1	92729		06/27/2005	1330
SM18 2320B	Alkalinity	1	93069		06/28/2005	1740
SM18 5210B	Biochemical Oxygen Demand (BOD/CBOD)	1	93668		06/23/2005	1108
HACH 8000	Chemical Oxygen Demand (HACH)	1	93671		06/22/2005	0730
SM18 4500Cl	Chloride	1	93582		07/08/2005	1025
SM18 2120B	Color	1	92939		06/23/2005	1429
SM18 4500CNE	Cyanide, Total	1	92982		06/27/2005	0810
EPA 200.7	Hardness by calculation	1	93933		07/12/2005	2007
EPA 200.7	Hardness by calculation	1	93927		07/13/2005	1924
SM18 3500CrD	Hexavalent Chromium	1	92664		06/21/2005	1900
EPA 300.0	Ion Chromatography Analysis	1	93670		06/22/2005	1424
EPA 245.1	Mercury (CVAA)	1	93036		06/28/2005	1216
EPA 245.1	Mercury (CVAA)	1	93036		06/28/2005	1218
EPA 200.7	Metals Analysis (ICP)	1	93762	92645	07/12/2005	2008
EPA 200.7	Metals Analysis (ICP)	1	93828		07/13/2005	1925
LAC 11107041A	Nitrate-Nitrite	1	93672		06/23/2005	0000
SM18 4500NH3E	Nitrogen, Ammonia (Distillation)	1	94111		07/12/2005	1700
LAC 10107062D	Nitrogen, Total Kjeldahl	1	93675		07/07/2005	0228
LAC 10210001A	Phenolics, Total Recoverable	1	93678		06/29/2005	0636
QA Services	Quality Assurance Services	1				
EPA 160.1	Solids, Total Dissolved (TDS)	1	93065		06/28/2005	1500
SM18 5310C	Total Organic Carbon (TOC)	1	93676		07/01/2005	1147
SW846 8260B	Volatile Organics	1	93781		06/25/2005	0000

Lab ID: 249239-9 Client ID: MW 232S		Date Recvd: 06/21/2005		Sample Date: 06/21/2005		DILUTION
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	DATE/TIME ANALYZED	
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)	1	92645		06/24/2005	0920

6 of 82

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NYSOEH 10142

NJDEP 73016

CTDOHS PH-0564

EPA NY049

PA 68-376

M-NY049

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LABORATORY CHRONICLE

Job Number: 249239

Date: 07/19/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YOR

ATTN: Christen Craig

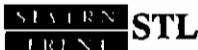
Lab ID: 249239-9	Client ID: MW 232S	Date Recvd: 06/21/2005	Sample Date: 06/21/2005		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)	DATE/TIME ANALYZED DILUTION
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)	1	92729		06/27/2005 1330
SM18 2320B	Alkalinity	1	93069		06/28/2005 1748
SM18 5210B	Biochemical Oxygen Demand (BOD/CBOD)	1	93668		06/23/2005 1110
HACH 8000	Chemical Oxygen Demand (HACH)	1	93671		06/22/2005 0730
SM18 4500Cl	Chloride	1	93582		07/08/2005 1025
SM18 2120B	Color	1	92939		06/23/2005 1431
SM18 4500CNE	Cyanide, Total	1	92982		06/27/2005 0810
EPA 200.7	Hardness by calculation	1	93933		07/12/2005 2013
EPA 200.7	Hardness by calculation	1	93927		07/13/2005 1930
SM18 3500CrD	Hexavalent Chromium	1	92664		06/21/2005 1900
EPA 300.0	Ion Chromatography Analysis	1	93670		06/22/2005 1434
EPA 245.1	Mercury (CVAA)	1	93036		06/28/2005 1220
EPA 245.1	Mercury (CVAA)	1	93036		06/28/2005 1223
EPA 200.7	Metals Analysis (ICP)	1	93762	92645	07/12/2005 2013
EPA 200.7	Metals Analysis (ICP)	1	93828		07/13/2005 1930
LAC 11107041A	Nitrate-Nitrite	1	93672		06/23/2005 0000
SM18 4500NH3E	Nitrogen, Ammonia (Distillation)	1	94111		07/12/2005 1700
LAC 10107062D	Nitrogen, Total Kjeldahl	1	93675		07/07/2005 0232
LAC 10210001A	Phenolics, Total Recoverable	1	93678		06/29/2005 0637
QA Services	Quality Assurance Services	1			
EPA 160.1	Solids, Total Dissolved (TDS)	1	93065		06/28/2005 1500
SM18 5310C	Total Organic Carbon (TOC)	1	93676		07/01/2005 1147
SW846 8260B	Volatile Organics	1	93781		06/25/2005 0000

Lab ID: 249239-10	Client ID: MW 245S	Date Recvd: 06/21/2005	Sample Date: 06/21/2005		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)	DATE/TIME ANALYZED DILUTION
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)	1	92645		06/24/2005 0920
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)	1	92729		06/27/2005 1330
SM18 2320B	Alkalinity	1	93069		06/28/2005 1755
SM18 5210B	Biochemical Oxygen Demand (BOD/CBOD)	1	93668		06/23/2005 1112
HACH 8000	Chemical Oxygen Demand (HACH)	1	93671		06/22/2005 0730
SM18 4500Cl	Chloride	1	93582		07/08/2005 1025
SM18 2120B	Color	1	92939		06/23/2005 1433
SM18 4500CNE	Cyanide, Total	1	92982		06/27/2005 0810
EPA 200.7	Hardness by calculation	1	93933		07/12/2005 2018
EPA 200.7	Hardness by calculation	1	93927		07/13/2005 1935
SM18 3500CrD	Hexavalent Chromium	1	92664		06/21/2005 1900
EPA 300.0	Ion Chromatography Analysis	1	93670		06/22/2005 1444
EPA 300.0	Ion Chromatography Analysis	1	92815		06/23/2005 1325
EPA 245.1	Mercury (CVAA)	1	93036		06/28/2005 1225
EPA 245.1	Mercury (CVAA)	1	93036		06/28/2005 1227
EPA 200.7	Metals Analysis (ICP)	1	93762	92645	07/12/2005 2019
EPA 200.7	Metals Analysis (ICP)	1	93828		07/13/2005 1935
LAC 11107041A	Nitrate-Nitrite	1	93672		06/23/2005 0000
SM18 4500NH3E	Nitrogen, Ammonia (Distillation)	1	94111		07/12/2005 1700
LAC 10107062D	Nitrogen, Total Kjeldahl	1	93675		07/07/2005 0233
LAC 10210001A	Phenolics, Total Recoverable	1	93678		06/29/2005 0638
QA Services	Quality Assurance Services	1			
EPA 160.1	Solids, Total Dissolved (TDS)	1	93065		06/28/2005 1500
SM18 5310C	Total Organic Carbon (TOC)	1	93676		07/01/2005 1147
SW846 8260B	Volatile Organics	1	93781		06/25/2005 0000

Lab ID: 249239-11	Client ID: MW 245D	Date Recvd: 06/21/2005	Sample Date: 06/21/2005		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT # (S)	DATE/TIME ANALYZED DILUTION
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)	1	92645		06/24/2005 0920

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7 of 82



NYSDOH 10142

NJDEP 73015

CTDOHS PH-0654

EPA NY049

PA 66-378

M-NY049

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LABORATORY CHRONICLE

Job Number: 249239

Date: 07/19/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Lab ID: 249239-11 Client ID: MW 245D

Date Recvd: 06/21/2005 Sample Date: 06/21/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED	DILUTION
EPA 200.7	Acid Digestion, Total Recoverable(ICAP)	1	92729			06/27/2005 1330	
SM18 2320B	Alkalinity	1	93069			06/28/2005 1803	
SM18 5210B	Biochemical Oxygen Demand (BOD/CBOD)	1	93668			06/23/2005 1113	
HACH 8000	Chemical Oxygen Demand (HACH)	1	93671			06/22/2005 0730	
SM18 4500Cl	Chloride	1	93582			07/08/2005 1025	
SM18 2120B	Color	1	92939			06/23/2005 1437	
SM18 4500CNE	Cyanide, Total	1	92982			06/27/2005 0810	
EPA 200.7	Hardness by calculation	1	93933			07/12/2005 2023	
EPA 200.7	Hardness by calculation	1	93927			07/13/2005 1940	
SM18 3500CrD	Hexavalent Chromium	1	92664			06/21/2005 1900	
EPA 300.0	Ion Chromatography Analysis	1	93670			06/22/2005 1455	
EPA 300.0	Ion Chromatography Analysis	1	92815			06/23/2005 1335	5
EPA 245.1	Mercury (CVAA)	1	93036			06/28/2005 1229	
EPA 245.1	Mercury (CVAA)	1	93036			06/28/2005 1230	
EPA 200.7	Metals Analysis (ICP)	1	93762	92645		07/12/2005 2024	
EPA 200.7	Metals Analysis (ICP)	1	93828			07/13/2005 1941	
LAC 11107041A	Nitrate-Nitrite	1	93672			06/23/2005 0000	
SM18 4500NH3E	Nitrogen, Ammonia (Distillation)	1	94111			07/12/2005 1700	
LAC 10107062D	Nitrogen, Total Kjeldahl	1	93675			07/07/2005 0234	
LAC 10210001A	Phenolics, Total Recoverable	1	93678			06/29/2005 0639	
QA Services	Quality Assurance Services	1					
EPA 160.1	Solids, Total Dissolved (TDS)	1	93065			06/28/2005 1500	
SM18 5310C	Total Organic Carbon (TOC)	1	93676			07/01/2005 1147	
SW846 8260B	Volatile Organics	1	93781			06/25/2005 0000	

Lab ID: 249239-12 Client ID: MW 220

Date Recvd: 06/21/2005 Sample Date: 06/21/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED	DILUTION
EPA 200.7	Acid Digestion, Total Recoverable(ICAP)	1	92645			06/24/2005 0920	
EPA 200.7	Acid Digestion, Total Recoverable(ICAP)	1	92729			06/27/2005 1330	
SM18 2320B	Alkalinity	1	93069			06/28/2005 1811	
SM18 5210B	Biochemical Oxygen Demand (BOD/CBOD)	1	93668			06/23/2005 1115	
HACH 8000	Chemical Oxygen Demand (HACH)	1	93671			06/22/2005 0730	
SM18 4500Cl	Chloride	1	93582			07/08/2005 1025	
SM18 2120B	Color	1	92939			06/23/2005 1438	
SM18 4500CNE	Cyanide, Total	1	92982			06/27/2005 0810	
EPA 200.7	Hardness by calculation	1	93933			07/12/2005 2029	
EPA 200.7	Hardness by calculation	1	93927			07/13/2005 1946	
SM18 3500CrD	Hexavalent Chromium	1	92664			06/21/2005 1900	
EPA 300.0	Ion Chromatography Analysis	1	93670			06/22/2005 1505	
EPA 300.0	Ion Chromatography Analysis	1	92815			06/23/2005 1426	10
EPA 245.1	Mercury (CVAA)	1	93040			06/28/2005 1533	
EPA 245.1	Mercury (CVAA)	1	93040			06/28/2005 1534	
EPA 200.7	Metals Analysis (ICP)	1	93762	92645		07/12/2005 2029	
EPA 200.7	Metals Analysis (ICP)	1	93828			07/13/2005 1946	
LAC 11107041A	Nitrate-Nitrite	1	93672			06/23/2005 0000	
SM18 4500NH3E	Nitrogen, Ammonia (Distillation)	1	94111			07/12/2005 1700	
LAC 10107062D	Nitrogen, Total Kjeldahl	1	93675			07/07/2005 0235	
LAC 10210001A	Phenolics, Total Recoverable	1	93678			06/29/2005 0644	
QA Services	Quality Assurance Services	1					
EPA 160.1	Solids, Total Dissolved (TDS)	1	93065			06/28/2005 1500	
SM18 5310C	Total Organic Carbon (TOC)	1	93676			07/01/2005 1147	
SW846 8260B	Volatile Organics	1	93781			06/25/2005 0000	

Lab ID: 249239-13 Client ID: MW 3B

Date Recvd: 06/21/2005 Sample Date: 06/21/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED	DILUTION
EPA 200.7	Acid Digestion, Total Recoverable(ICAP)	1	92645			06/24/2005 0920	

8 of 82

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NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 08-378

M-NY049

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LABORATORY CHRONICLE

Job Number: 249239

Date: 07/19/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YOR

ATTN: Christen Craig

Lab ID: 249239-13 Client ID: MW 38		Date Recvd: 06/21/2005		Sample Date: 06/21/2005			
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED	DILUTION
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)	1	92729			06/27/2005 1330	
SM18 2320B	Alkalinity	1	93069			06/28/2005 1819	
SM18 5210B	Biochemical Oxygen Demand (BOD/CBOD)	1	93668			06/23/2005 1116	
HACH 8000	Chemical Oxygen Demand (HACH)	1	93671			06/22/2005 0730	
SM18 4500Cl	Chloride	1	93582			07/08/2005 1025	
SM18 2120B	Color	1	92939			06/23/2005 1440	10
SM18 4500CNE	Cyanide, Total	1	92982			06/27/2005 0810	
EPA 200.7	Hardness by calculation	1	93933			07/12/2005 2034	
EPA 200.7	Hardness by calculation	1	93927			07/13/2005 1951	
SM18 3500CrD	Hexavalent Chromium	1	92664			06/21/2005 1900	
EPA 300.0	Ion Chromatography Analysis	1	93670			06/22/2005 1535	
EPA 245.1	Mercury (CVAA)	1	93040			06/28/2005 1537	
EPA 245.1	Mercury (CVAA)	1	93040			06/28/2005 1538	
EPA 200.7	Metals Analysis (ICP)	1	93762	92645		07/12/2005 2035	
EPA 200.7	Metals Analysis (ICP)	1	93762	92645		07/12/2005 2040	2.000
EPA 200.7	Metals Analysis (ICP)	1	93828			07/13/2005 1952	
LAC 11107041A	Nitrate-Nitrite	1	93672			06/23/2005 0000	
SM18 4500NH3E	Nitrogen, Ammonia (Distillation)	1	94111			07/12/2005 1700	
LAC 10107062D	Nitrogen, Total Kjeldahl	1	93675			07/07/2005 0236	
LAC 10210001A	Phenolics, Total Recoverable	1	93678			06/29/2005 0645	
QA Services	Quality Assurance Services	1					
EPA 160.1	Solids, Total Dissolved (TDS)	1	93065			06/28/2005 1500	
SM18 5310C	Total Organic Carbon (TOC)	1	93676			07/01/2005 1147	
SW846 8260B	Volatile Organics	1	93781			06/25/2005 0000	
Lab ID: 249239-14 Client ID: Trip Blank		Date Recvd: 06/21/2005		Sample Date: 06/21/2005			
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED	DILUTION
QA Services	Quality Assurance Services	1					
SW846 8260B	Volatile Organics	1	93781			06/25/2005 0000	

THE ANALYTICAL METHODS MAY UTILIZE ONE OR MORE OF THE FOLLOWING
REFERENCES:

"Methods for Chemical Analysis of Water and Wastewater",
EPA-600/4-79-020, March 1983.

"Test Methods for Evaluating Solid Waste", USEPA-SW846, Third
Edition, September 1986 with all current revisions.

Federal Register, V.50 No.3, January 4, 1985.

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Column Gas Chromatography With Photoionization and Electrolytic
Conductivity Detectors in Series, EMSL, Cincinnati, Ohio, 45268,
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USEPA CLP SOW for Organics Analysis Low Concentration Water

USEPA CLP SOW for Organics Analysis Multi-Media, Multi-Concentration

THE ANALYTICAL METHODS MAY UTILIZE ONE OR MORE OF THE FOLLOWING
REFERENCES:

"Methods for Chemical Analysis of Water and Wastewater",
EPA-600/4-79-020, March 1983

"Standard Methods for the Examination of Water and Wastewater", 18th
Edition, 1992

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HACH8000 1979 Handbook

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"Determination of Cyanide" (Macro Distillation Method in Waters),
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53218.

"Determination of Nitrogen, Total Kjeldahl by Flow Injection Analysis
Colorimetry" QUIK CHEM Method 10-107-06-2-D, Kevin Switala,
Revised October 7, 1997, Lachat Instruments, Milwaukee, Wi 53218.

Enterolert - (Idexx)

"American Society for Testing and Materials."

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 07/19/2005

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements will be noted in a case narrative.
Report Comments

- 1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
- 2) Soil, sediment and sludge sample results are reported on a "dry weight" basis.
- 3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

Glossary of flags and qualifiers.

Inorganic Qualifiers (Q-Column)

- U Indicates that the compound was analyzed for but not detected.
- 1 Result fails applicable drinking water standards.
- * Duplicate analysis not within control limits.
- N Spiked sample recovery not within control limits.
- E Indicates an estimated value because of the presence of interferences.
- W Post digestion spike for furnace AA analysis is out of the control limits (85-115%) while sample absorbance is less than 50% of spike absorbance.
- + Correlation coefficient for the MSA is less than 0.995
- B The reported value is less than the Contract Required Detection Limit (CRDL), but greater than the Instrument Detection Limit (IDL).

Organic Qualifiers (Q-Column)

- U Indicates that the compound was analyzed for but not detected.
- J Indicates an estimated value. This compound meets the identification criteria, but the result is less than the specified detection limit.
- B Indicates that the analyte was found in both the sample and its associated laboratory blank.
- D Indicates all compounds identified in an analysis at a secondary dilution factor.
- E Indicates that the analyte in an analysis has exceeded the linear calibration range.
- RE Indicates a re-analyzed sample

Glossary of Terms

Surrogates (Surrogate Standards) - an organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process. For semi-volatiles, volatiles and pesticides/Aroclors, surrogate compounds are added to every blank, sample, matrix sample, matrix spike, matrix sample duplicate, matrix spike blank, and standard. These are used to evaluate analytical efficiency by measuring recovery. Poor surrogate recovery may indicate a problem with the sample composition.

Matrix Spike - an aliquot of a sample (water or soil) fortified (spiked) with known quantities of specific compounds (target analytes) and subjected to the entire analytical procedure in order to indicate the appropriateness of the method for the matrix by measuring recovery. The spiking occurs prior to sample preparation and analysis. Poor spike recovery may indicate a problem with the sample composition.

Internal Standards - an organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process. For GC/MS semi-volatiles and volatiles, internal standards are added to every blank, sample, matrix spike, matrix spike duplicate, matrix spike blank, and standard. Internal standard responses outside of established limits will adversely affect the quantitation and final concentration of target compounds.

LABORATORY TEST RESULTS

Job Number: 249239

Date: 07/13/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW 304S
Date Sampled.....: 06/21/2005
Time Sampled.....: 14:16
Sample Matrix.....: Water

Laboratory Sample ID: 249239-1
Date Received.....: 06/21/2005
Time Received.....: 15:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8260B	Volatile Organics							
	Chloromethane	1.0	U		1.0	ug/L	06/24/05	clmd
	Vinyl chloride	1.0	U		1.0	ug/L	06/24/05	clmd
	Bromomethane	1.0	U		1.0	ug/L	06/24/05	clmd
	Chloroethane	1.0	U		1.0	ug/L	06/24/05	clmd
	Trichlorofluoromethane	1.0	U		1.0	ug/L	06/24/05	clmd
	1,1-Dichloroethene	1.0	U		1.0	ug/L	06/24/05	clmd
	Iodomethane	5.0	U		5.0	ug/L	06/24/05	clmd
	Carbon disulfide	1.0	U		1.0	ug/L	06/24/05	clmd
	Acetone	1.7	J	B	5.0	ug/L	06/24/05	clmd
	Methylene chloride	1.0	U		1.0	ug/L	06/24/05	clmd
	trans-1,2-Dichloroethene	1.0	U		1.0	ug/L	06/24/05	clmd
	Acrylonitrile	10	U		10	ug/L	06/24/05	clmd
	1,1-Dichloroethane	1.0	U		1.0	ug/L	06/24/05	clmd
	Vinyl acetate	1.0	U		1.0	ug/L	06/24/05	clmd
	cis-1,2-Dichloroethene	1.0	U		1.0	ug/L	06/24/05	clmd
	2-Butanone (MEK)	2.5	U		2.5	ug/L	06/24/05	clmd
	Bromochloromethane	1.0	U		1.0	ug/L	06/24/05	clmd
	Chloroform	1.0	U		1.0	ug/L	06/24/05	clmd
	1,1,1-Trichloroethane	1.0	U		1.0	ug/L	06/24/05	clmd
	Carbon tetrachloride	1.0	U		1.0	ug/L	06/24/05	clmd
	Benzene	1.0	U		1.0	ug/L	06/24/05	clmd
	1,2-Dichloroethane	1.0	U		1.0	ug/L	06/24/05	clmd
	Trichloroethene	1.0	U		1.0	ug/L	06/24/05	clmd
	1,2-Dichloropropane	1.0	U		1.0	ug/L	06/24/05	clmd
	Dibromomethane	1.0	U		1.0	ug/L	06/24/05	clmd
	Bromodichloromethane	1.0	U		1.0	ug/L	06/24/05	clmd
	cis-1,3-Dichloropropene	1.0	U		1.0	ug/L	06/24/05	clmd
	4-Methyl-2-pentanone (MIBK)	2.5	U		2.5	ug/L	06/24/05	clmd
	Toluene	1.0	U		1.0	ug/L	06/24/05	clmd
	trans-1,3-Dichloropropene	1.0	U		1.0	ug/L	06/24/05	clmd
	1,1,2-Trichloroethane	1.0	U		1.0	ug/L	06/24/05	clmd
	Tetrachloroethene	1.0	U		1.0	ug/L	06/24/05	clmd
	2-Hexanone	2.5	U		2.5	ug/L	06/24/05	clmd
	Dibromochloromethane	1.0	U		1.0	ug/L	06/24/05	clmd
	1,2-Dibromoethane (EDB)	1.0	U		1.0	ug/L	06/24/05	clmd
	Chlorobenzene	1.0	U		1.0	ug/L	06/24/05	clmd
	1,1,1,2-Tetrachloroethane	1.0	U		1.0	ug/L	06/24/05	clmd
	Ethylbenzene	1.0	U		1.0	ug/L	06/24/05	clmd
	Styrene	1.0	U		1.0	ug/L	06/24/05	clmd
	Bromoform	1.0	U		1.0	ug/L	06/24/05	clmd
	trans-1,4-Dichloro-2-butene	1.0	U		1.0	ug/L	06/24/05	clmd
	1,1,2,2-Tetrachloroethane	1.0	U		1.0	ug/L	06/24/05	clmd
	1,2,3-Trichloropropane	1.0	U		1.0	ug/L	06/24/05	clmd
	Xylenes (total)	1.0	U		1.0	ug/L	06/24/05	clmd
	1,4-Dichlorobenzene	1.0	U		1.0	ug/L	06/24/05	clmd
	1,2-Dichlorobenzene	1.0	U		1.0	ug/L	06/24/05	clmd
	1,2-Dibromo-3-chloropropane	1.0	U		1.0	ug/L	06/24/05	clmd

In Description = Dry Wgt.

Page 2

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15 of 82

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STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
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LABORATORY TEST RESULTS

Job Number: 249239

Date: 07/13/2005

CUSTOMER: C&S Engineers

PROJECT: DCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW 304D
 Date Sampled.....: 06/21/2005
 Time Sampled.....: 14:16
 Sample Matrix.....: Water

Laboratory Sample ID: 249239-2
 Date Received.....: 06/21/2005
 Time Received.....: 15:50

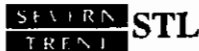
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAG	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8260B	Volatile Organics							
	Chloromethane	1.0	U		1.0	ug/L	06/24/05	dmd
	Vinyl chloride	1.0	U		1.0	ug/L	06/24/05	dmd
	Bromomethane	1.0	U		1.0	ug/L	06/24/05	dmd
	Chloroethane	1.0	U		1.0	ug/L	06/24/05	dmd
	Trichlorofluoromethane	1.0	U		1.0	ug/L	06/24/05	dmd
	1,1-Dichloroethene	1.0	U		1.0	ug/L	06/24/05	dmd
	Iodomethane	5.0	U		5.0	ug/L	06/24/05	dmd
	Carbon disulfide	1.0	U		1.0	ug/L	06/24/05	dmd
	Acetone	1.0	J	B	5.0	ug/L	06/24/05	dmd
	Methylene chloride	1.0	U		1.0	ug/L	06/24/05	dmd
	trans-1,2-Dichloroethene	1.0	U		1.0	ug/L	06/24/05	dmd
	Acrylonitrile	10	U		10	ug/L	06/24/05	dmd
	1,1-Dichloroethane	1.0	U		1.0	ug/L	06/24/05	dmd
	Vinyl acetate	1.0	U		1.0	ug/L	06/24/05	dmd
	cis-1,2-Dichloroethene	1.0	U		1.0	ug/L	06/24/05	dmd
	2-Butanone (MEK)	2.5	U		2.5	ug/L	06/24/05	dmd
	Bromochloromethane	1.0	U		1.0	ug/L	06/24/05	dmd
	Chloroform	1.0	U		1.0	ug/L	06/24/05	dmd
	1,1,1-Trichloroethane	1.0	U		1.0	ug/L	06/24/05	dmd
	Carbon tetrachloride	1.0	U		1.0	ug/L	06/24/05	dmd
	Benzene	1.0	U		1.0	ug/L	06/24/05	dmd
	1,2-Dichloroethane	1.0	U		1.0	ug/L	06/24/05	dmd
	Trichloroethene	1.0	U		1.0	ug/L	06/24/05	dmd
	1,2-Dichloropropane	1.0	U		1.0	ug/L	06/24/05	dmd
	Dibromomethane	1.0	U		1.0	ug/L	06/24/05	dmd
	Bromodichloromethane	1.0	U		1.0	ug/L	06/24/05	dmd
	cis-1,3-Dichloropropene	1.0	U		1.0	ug/L	06/24/05	dmd
	4-Methyl-2-pentanone (MIBK)	2.5	U		2.5	ug/L	06/24/05	dmd
	Toluene	1.0	U		1.0	ug/L	06/24/05	dmd
	trans-1,3-Dichloropropene	1.0	U		1.0	ug/L	06/24/05	dmd
	1,1,2-Trichloroethane	1.0	U		1.0	ug/L	06/24/05	dmd
	Tetrachloroethene	1.0	U		1.0	ug/L	06/24/05	dmd
	2-Hexanone	2.5	U		2.5	ug/L	06/24/05	dmd
	Dibromochloromethane	1.0	U		1.0	ug/L	06/24/05	dmd
	1,2-Dibromoethane (EDB)	1.0	U		1.0	ug/L	06/24/05	dmd
	Chlorobenzene	1.0	U		1.0	ug/L	06/24/05	dmd
	1,1,1,2-Tetrachloroethane	1.0	U		1.0	ug/L	06/24/05	dmd
	Ethylbenzene	1.0	U		1.0	ug/L	06/24/05	dmd
	Styrene	1.0	U		1.0	ug/L	06/24/05	dmd
	Bromoform	1.0	U		1.0	ug/L	06/24/05	dmd
	trans-1,4-Dichloro-2-butene	1.0	U		1.0	ug/L	06/24/05	dmd
	1,1,2,2-Tetrachloroethane	1.0	U		1.0	ug/L	06/24/05	dmd
	1,2,3-Trichloropropane	1.0	U		1.0	ug/L	06/24/05	dmd
	Xylenes (total)	1.0	U		1.0	ug/L	06/24/05	dmd
	1,4-Dichlorobenzene	1.0	U		1.0	ug/L	06/24/05	dmd
	1,2-Dichlorobenzene	1.0	U		1.0	ug/L	06/24/05	dmd
	1,2-Dibromo-3-chloropropane	1.0	U		1.0	ug/L	06/24/05	dmd

In Description = Dry Wgt.

Page 3

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16 of 82



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 315 Fullerton Avenue
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 Fax (845) 562-0841

LABORATORY TEST RESULTS

Job Number: 249239

Date: 07/13/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW 234D
 Date Sampled.....: 06/21/2005
 Time Sampled.....: 14:16
 Sample Matrix.....: Water

Laboratory Sample ID: 249239-3
 Date Received.....: 06/21/2005
 Time Received.....: 15:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8260B	Volatile Organics							
	Chloromethane	1.0	U		1.0	ug/L	06/24/05	clmd
	Vinyl chloride	1.0	U		1.0	ug/L	06/24/05	clmd
	Bromomethane	1.0	U		1.0	ug/L	06/24/05	clmd
	Chloroethane	1.0	U		1.0	ug/L	06/24/05	clmd
	Trichlorofluoromethane	1.0	U		1.0	ug/L	06/24/05	clmd
	1,1-Dichloroethene	1.0	U		1.0	ug/L	06/24/05	clmd
	Iodomethane	5.0	U		5.0	ug/L	06/24/05	clmd
	Carbon disulfide	1.0	U		1.0	ug/L	06/24/05	clmd
	Acetone	1.5	J	8	5.0	ug/L	06/24/05	clmd
	Methylene chloride	1.0	U		1.0	ug/L	06/24/05	clmd
	trans-1,2-Dichloroethene	1.0	U		1.0	ug/L	06/24/05	clmd
	Acrylonitrile	10	U		10	ug/L	06/24/05	clmd
	1,1-Dichloroethane	1.0	U		1.0	ug/L	06/24/05	clmd
	Vinyl acetate	1.0	U		1.0	ug/L	06/24/05	clmd
	cis-1,2-Dichloroethene	1.0	U		1.0	ug/L	06/24/05	clmd
	2-Butanone (MEK)	2.5	U		2.5	ug/L	06/24/05	clmd
	Bromochloromethane	1.0	U		1.0	ug/L	06/24/05	clmd
	Chloroform	1.0	U		1.0	ug/L	06/24/05	clmd
	1,1,1-Trichloroethane	1.0	U		1.0	ug/L	06/24/05	clmd
	Carbon tetrachloride	1.0	U		1.0	ug/L	06/24/05	clmd
	Benzene	1.0	U		1.0	ug/L	06/24/05	clmd
	1,2-Dichloroethane	1.0	U		1.0	ug/L	06/24/05	clmd
	Trichloroethene	1.0	U		1.0	ug/L	06/24/05	clmd
	1,2-Dichloropropane	1.0	U		1.0	ug/L	06/24/05	clmd
	Dibromomethane	1.0	U		1.0	ug/L	06/24/05	clmd
	Bromodichloromethane	1.0	U		1.0	ug/L	06/24/05	clmd
	cis-1,3-Dichloropropene	1.0	U		1.0	ug/L	06/24/05	clmd
	4-Methyl-2-pentanone (MIBK)	2.5	U		2.5	ug/L	06/24/05	clmd
	Toluene	1.0	U		1.0	ug/L	06/24/05	clmd
	trans-1,3-Dichloropropene	1.0	U		1.0	ug/L	06/24/05	clmd
	1,1,2-Trichloroethane	1.0	U		1.0	ug/L	06/24/05	clmd
	Tetrachloroethene	1.0	U		1.0	ug/L	06/24/05	clmd
	2-Hexanone	2.5	U		2.5	ug/L	06/24/05	clmd
	Dibromochloromethane	1.0	U		1.0	ug/L	06/24/05	clmd
	1,2-Dibromoethane (EDB)	1.0	U		1.0	ug/L	06/24/05	clmd
	Chlorobenzene	1.0	U		1.0	ug/L	06/24/05	clmd
	1,1,1,2-Tetrachloroethane	1.0	U		1.0	ug/L	06/24/05	clmd
	Ethylbenzene	1.0	U		1.0	ug/L	06/24/05	clmd
	Styrene	1.0	U		1.0	ug/L	06/24/05	clmd
	Bromoform	1.0	U		1.0	ug/L	06/24/05	clmd
	trans-1,4-Dichloro-2-butene	1.0	U		1.0	ug/L	06/24/05	clmd
	1,1,2,2-Tetrachloroethane	1.0	U		1.0	ug/L	06/24/05	clmd
	1,2,3-Trichloropropane	1.0	U		1.0	ug/L	06/24/05	clmd
	Xylenes (total)	1.0	U		1.0	ug/L	06/24/05	clmd
	1,4-Dichlorobenzene	1.0	U		1.0	ug/L	06/24/05	clmd
	1,2-Dichlorobenzene	1.0	U		1.0	ug/L	06/24/05	clmd
	1,2-Dibromo-3-chloropropane	1.0	U		1.0	ug/L	06/24/05	clmd

In Description = Dry Wgt.

Page 4

17 of 82

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LABORATORY TEST RESULTS

Job Number: 249239

Date: 07/13/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW 234S
Date Sampled.....: 06/21/2005
Time Sampled.....: 14:16
Sample Matrix.....: Water

Laboratory Sample ID: 249239-4
Date Received.....: 06/21/2005
Time Received.....: 15:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8260B	Volatile Organics	1.0	U		1.0	ug/L	06/24/05	clmd
	Chloromethane	1.0	U		1.0	ug/L	06/24/05	clmd
	Vinyl chloride	1.0	U		1.0	ug/L	06/24/05	clmd
	Bromomethane	1.0	U		1.0	ug/L	06/24/05	clmd
	Chloroethane	1.0	U		1.0	ug/L	06/24/05	clmd
	Trichlorofluoromethane	1.0	U		1.0	ug/L	06/24/05	clmd
	1,1-Dichloroethene	1.0	U		1.0	ug/L	06/24/05	clmd
	Iodomethane	5.0	U		5.0	ug/L	06/24/05	clmd
	Carbon disulfide	1.0	U		1.0	ug/L	06/24/05	clmd
	Acetone	1.8	J	B	5.0	ug/L	06/24/05	clmd
	Methylene chloride	1.0	U		1.0	ug/L	06/24/05	clmd
	trans-1,2-Dichloroethene	1.0	U		1.0	ug/L	06/24/05	clmd
	Acrylonitrile	10	U		10	ug/L	06/24/05	clmd
	1,1-Dichloroethane	1.0	U		1.0	ug/L	06/24/05	clmd
	Vinyl acetate	1.0	U		1.0	ug/L	06/24/05	clmd
	cis-1,2-Dichloroethene	1.0	U		1.0	ug/L	06/24/05	clmd
	2-Butanone (MEK)	2.5	U		2.5	ug/L	06/24/05	clmd
	Bromochloromethane	1.0	U		1.0	ug/L	06/24/05	clmd
	Chloroform	1.0	U		1.0	ug/L	06/24/05	clmd
	1,1,1-Trichloroethane	1.0	U		1.0	ug/L	06/24/05	clmd
	Carbon tetrachloride	1.0	U		1.0	ug/L	06/24/05	clmd
	Benzene	1.0	U		1.0	ug/L	06/24/05	clmd
	1,2-Dichloroethane	1.0	U		1.0	ug/L	06/24/05	clmd
	Trichloroethene	1.0	U		1.0	ug/L	06/24/05	clmd
	1,2-Dichloropropane	1.0	U		1.0	ug/L	06/24/05	clmd
	Dibromomethane	1.0	U		1.0	ug/L	06/24/05	clmd
	Bromodichloromethane	1.0	U		1.0	ug/L	06/24/05	clmd
	cis-1,3-Dichloropropene	1.0	U		1.0	ug/L	06/24/05	clmd
	4-Methyl-2-pentanone (MIBK)	2.5	U		2.5	ug/L	06/24/05	clmd
	Toluene	1.0	U		1.0	ug/L	06/24/05	clmd
	trans-1,3-Dichloropropene	1.0	U		1.0	ug/L	06/24/05	clmd
	1,1,2-Trichloroethane	1.0	U		1.0	ug/L	06/24/05	clmd
	Tetrachloroethene	1.0	U		1.0	ug/L	06/24/05	clmd
	2-Hexanone	2.5	U		2.5	ug/L	06/24/05	clmd
	Dibromochloromethane	1.0	U		1.0	ug/L	06/24/05	clmd
	1,2-Dibromoethane (EDB)	1.0	U		1.0	ug/L	06/24/05	clmd
	Chlorobenzene	1.0	U		1.0	ug/L	06/24/05	clmd
	1,1,1,2-Tetrachloroethane	1.0	U		1.0	ug/L	06/24/05	clmd
	Ethylbenzene	1.0	U		1.0	ug/L	06/24/05	clmd
	Styrene	1.0	U		1.0	ug/L	06/24/05	clmd
	Bromoform	1.0	U		1.0	ug/L	06/24/05	clmd
	trans-1,4-Dichloro-2-butene	1.0	U		1.0	ug/L	06/24/05	clmd
	1,1,2,2-Tetrachloroethane	1.0	U		1.0	ug/L	06/24/05	clmd
	1,2,3-Trichloropropane	1.0	U		1.0	ug/L	06/24/05	clmd
	Xylenes (total)	1.0	U		1.0	ug/L	06/24/05	clmd
	1,4-Dichlorobenzene	1.0	U		1.0	ug/L	06/24/05	clmd
	1,2-Dichlorobenzene	1.0	U		1.0	ug/L	06/24/05	clmd
	1,2-Dibromo-3-chloropropane	1.0	U		1.0	ug/L	06/24/05	clmd

In Description = Dry Wgt.

Page 5

18 of 82

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315 Fullerton Avenue
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LABORATORY TEST RESULTS

Job Number: 249239

Date: 07/13/2005

CUSTOMER: C&S Engineers

PROJECT: DCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW 233S
 Date Sampled.....: 06/21/2005
 Time Sampled.....: 14:16
 Sample Matrix.....: Water

Laboratory Sample ID: 249239-5
 Date Received.....: 06/21/2005
 Time Received.....: 15:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8260B	Volatile Organics							
	Chloromethane	1.0	U		1.0	ug/L	06/25/05	clnd
	Vinyl chloride	1.0	U		1.0	ug/L	06/25/05	clnd
	Bromomethane	1.0	U		1.0	ug/L	06/25/05	clnd
	Chloroethane	1.0	U		1.0	ug/L	06/25/05	clnd
	Trichlorofluoromethane	1.0	U		1.0	ug/L	06/25/05	clnd
	1,1-Dichloroethene	1.0	U		1.0	ug/L	06/25/05	clnd
	Iodomethane	5.0	U		5.0	ug/L	06/25/05	clnd
	Carbon disulfide	1.0	U		1.0	ug/L	06/25/05	clnd
	Acetone	1.1	J	B	5.0	ug/L	06/25/05	clnd
	Methylene chloride	1.0	U		1.0	ug/L	06/25/05	clnd
	trans-1,2-Dichloroethene	1.0	U		1.0	ug/L	06/25/05	clnd
	Acrylonitrile	10	U		10	ug/L	06/25/05	clnd
	1,1-Dichloroethane	1.0	U		1.0	ug/L	06/25/05	clnd
	Vinyl acetate	1.0	U		1.0	ug/L	06/25/05	clnd
	cis-1,2-Dichloroethene	1.0	U		1.0	ug/L	06/25/05	clnd
	2-Butanone (MEK)	2.5	U		2.5	ug/L	06/25/05	clnd
	Bromochloromethane	1.0	U		1.0	ug/L	06/25/05	clnd
	Chloroform	1.0	U		1.0	ug/L	06/25/05	clnd
	1,1,1-Trichloroethane	1.0	U		1.0	ug/L	06/25/05	clnd
	Carbon tetrachloride	1.0	U		1.0	ug/L	06/25/05	clnd
	Benzene	1.0	U		1.0	ug/L	06/25/05	clnd
	1,2-Dichloroethane	1.0	U		1.0	ug/L	06/25/05	clnd
	Trichloroethene	1.0	U		1.0	ug/L	06/25/05	clnd
	1,2-Dichloropropane	1.0	U		1.0	ug/L	06/25/05	clnd
	Dibromomethane	1.0	U		1.0	ug/L	06/25/05	clnd
	Bromodichloromethane	1.0	U		1.0	ug/L	06/25/05	clnd
	cis-1,3-Dichloropropene	1.0	U		1.0	ug/L	06/25/05	clnd
	4-Methyl-2-pentanone (MIBK)	2.5	U		2.5	ug/L	06/25/05	clnd
	Toluene	1.0	U		1.0	ug/L	06/25/05	clnd
	trans-1,3-Dichloropropene	1.0	U		1.0	ug/L	06/25/05	clnd
	1,1,2-Trichloroethane	1.0	U		1.0	ug/L	06/25/05	clnd
	Tetrachloroethene	1.0	U		1.0	ug/L	06/25/05	clnd
	2-Hexanone	2.5	U		2.5	ug/L	06/25/05	clnd
	Dibromochloromethane	1.0	U		1.0	ug/L	06/25/05	clnd
	1,2-Dibromoethane (EDB)	1.0	U		1.0	ug/L	06/25/05	clnd
	Chlorobenzene	1.0	U		1.0	ug/L	06/25/05	clnd
	1,1,1,2-Tetrachloroethane	1.0	U		1.0	ug/L	06/25/05	clnd
	Ethylbenzene	1.0	U		1.0	ug/L	06/25/05	clnd
	Styrene	1.0	U		1.0	ug/L	06/25/05	clnd
	Bromoform	1.0	U		1.0	ug/L	06/25/05	clnd
	trans-1,4-Dichloro-2-butene	1.0	U		1.0	ug/L	06/25/05	clnd
	1,1,2,2-Tetrachloroethane	1.0	U		1.0	ug/L	06/25/05	clnd
	1,2,3-Trichloropropane	1.0	U		1.0	ug/L	06/25/05	clnd
	Xylenes (total)	1.0	U		1.0	ug/L	06/25/05	clnd
	1,4-Dichlorobenzene	1.0	U		1.0	ug/L	06/25/05	clnd
	1,2-Dichlorobenzene	1.0	U		1.0	ug/L	06/25/05	clnd
	1,2-Dibromo-3-chloropropane	1.0	U		1.0	ug/L	06/25/05	clnd

In Description = Dry Wgt.

Page 6

19 of 82

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STL Newburgh
 315 Fullerton Avenue
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 Fax (845) 562-0841

LABORATORY TEST RESULTS

Job Number: 249239

Date: 07/13/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW 222
Date Sampled.....: 06/21/2005
Time Sampled.....: 14:16
Sample Matrix.....: Water

Laboratory Sample ID: 249239-6
Date Received.....: 06/21/2005
Time Received.....: 15:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8260B	Volatile Organics							
	Chloromethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Vinyl chloride	1.2			1.0	ug/L	06/25/05	clmd
	Bromomethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Chloroethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Trichlorofluoromethane	1.0	U		1.0	ug/L	06/25/05	clmd
	1,1-Dichloroethene	1.0	U		1.0	ug/L	06/25/05	clmd
	Iodomethane	5.0	U		5.0	ug/L	06/25/05	clmd
	Carbon disulfide	1.0	U		1.0	ug/L	06/25/05	clmd
	Acetone	5.0	U		5.0	ug/L	06/25/05	clmd
	Methylene chloride	1.0	U		1.0	ug/L	06/25/05	clmd
	trans-1,2-Dichloroethene	1.0	U		1.0	ug/L	06/25/05	clmd
	Acrylonitrile	10	U		10	ug/L	06/25/05	clmd
	1,1-Dichloroethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Vinyl acetate	1.0	U		1.0	ug/L	06/25/05	clmd
	cis-1,2-Dichloroethene	1.0	U		1.0	ug/L	06/25/05	clmd
	2-Butanone (MEK)	2.5	U		2.5	ug/L	06/25/05	clmd
	Bromochloromethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Chloroform	1.0	U		1.0	ug/L	06/25/05	clmd
	1,1,1-Trichloroethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Carbon tetrachloride	1.0	U		1.0	ug/L	06/25/05	clmd
	Benzene	1.0	U		1.0	ug/L	06/25/05	clmd
	1,2-Dichloroethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Trichloroethene	1.0	U		1.0	ug/L	06/25/05	clmd
	1,2-Dichloropropane	1.0	U		1.0	ug/L	06/25/05	clmd
	Dibromomethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Bromodichloromethane	1.0	U		1.0	ug/L	06/25/05	clmd
	cis-1,3-Dichloropropene	1.0	U		1.0	ug/L	06/25/05	clmd
	4-Methyl-2-pentanone (MIBK)	2.5	U		2.5	ug/L	06/25/05	clmd
	Toluene	1.0	U		1.0	ug/L	06/25/05	clmd
	trans-1,3-Dichloropropene	1.0	U		1.0	ug/L	06/25/05	clmd
	1,1,2-Trichloroethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Tetrachloroethene	1.0	U		1.0	ug/L	06/25/05	clmd
	2-Hexanone	2.5	U		2.5	ug/L	06/25/05	clmd
	Dibromochloromethane	1.0	U		1.0	ug/L	06/25/05	clmd
	1,2-Dibromoethane (EDB)	1.0	U		1.0	ug/L	06/25/05	clmd
	Chlorobenzene	1.0	U		1.0	ug/L	06/25/05	clmd
	1,1,1,2-Tetrachloroethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Ethylbenzene	1.0	U		1.0	ug/L	06/25/05	clmd
	Styrene	1.0	U		1.0	ug/L	06/25/05	clmd
	Bromoform	1.0	U		1.0	ug/L	06/25/05	clmd
	trans-1,4-Dichloro-2-butene	1.0	U		1.0	ug/L	06/25/05	clmd
	1,1,2,2-Tetrachloroethane	1.0	U		1.0	ug/L	06/25/05	clmd
	1,2,3-Trichloropropane	1.0	U		1.0	ug/L	06/25/05	clmd
	Xylenes (total)	1.0	U		1.0	ug/L	06/25/05	clmd
	1,4-Dichlorobenzene	1.0	U		1.0	ug/L	06/25/05	clmd
	1,2-Dichlorobenzene	1.0	U		1.0	ug/L	06/25/05	clmd
	1,2-Dibromo-3-chloropropane	1.0	U		1.0	ug/L	06/25/05	clmd

* In Description = Dry Wgt.

Page 7

20 of 82

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STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

LABORATORY TEST RESULTS

Job Number: 249239

Date: 07/13/2005

CUSTOMER: C&S Engineers

PROJECT: DCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW 230S
Date Sampled.....: 06/21/2005
Time Sampled.....: 14:16
Sample Matrix.....: Water

Laboratory Sample ID: 249239-7
Date Received.....: 06/21/2005
Time Received.....: 15:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8260B	Volatile Organics							
	Chloromethane	1.0	U		1.0	ug/L	06/25/05	cmd
	Vinyl chloride	1.0	U		1.0	ug/L	06/25/05	cmd
	Bromomethane	1.0	U		1.0	ug/L	06/25/05	cmd
	Chloroethane	1.0	U		1.0	ug/L	06/25/05	cmd
	Trichlorofluoromethane	1.0	U		1.0	ug/L	06/25/05	cmd
	1,1-Dichloroethene	1.0	U		1.0	ug/L	06/25/05	cmd
	Iodomethane	5.0	U		5.0	ug/L	06/25/05	cmd
	Carbon disulfide	1.0	U		1.0	ug/L	06/25/05	cmd
	Acetone	1.5	J	B	5.0	ug/L	06/25/05	cmd
	Methylene chloride	1.0	U		1.0	ug/L	06/25/05	cmd
	trans-1,2-Dichloroethene	1.0	U		1.0	ug/L	06/25/05	cmd
	Acrylonitrile	10	U		10	ug/L	06/25/05	cmd
	1,1-Dichloroethane	1.0	U		1.0	ug/L	06/25/05	cmd
	Vinyl acetate	1.0	U		1.0	ug/L	06/25/05	cmd
	cis-1,2-Dichloroethene	1.0	U		1.0	ug/L	06/25/05	cmd
	2-Butanone (MEK)	2.5	U		2.5	ug/L	06/25/05	cmd
	Bromochloromethane	1.0	U		1.0	ug/L	06/25/05	cmd
	Chloroform	1.0	U		1.0	ug/L	06/25/05	cmd
	1,1,1-Trichloroethane	1.0	U		1.0	ug/L	06/25/05	cmd
	Carbon tetrachloride	1.0	U		1.0	ug/L	06/25/05	cmd
	Benzene	1.0	U		1.0	ug/L	06/25/05	cmd
	1,2-Dichloroethane	1.0	U		1.0	ug/L	06/25/05	cmd
	Trichloroethene	1.0	U		1.0	ug/L	06/25/05	cmd
	1,2-Dichloropropane	1.0	U		1.0	ug/L	06/25/05	cmd
	Dibromomethane	1.0	U		1.0	ug/L	06/25/05	cmd
	Bromodichloromethane	1.0	U		1.0	ug/L	06/25/05	cmd
	cis-1,3-Dichloropropene	1.0	U		1.0	ug/L	06/25/05	cmd
	4-Methyl-2-pentanone (MIBK)	2.5	U		2.5	ug/L	06/25/05	cmd
	Toluene	1.0	U		1.0	ug/L	06/25/05	cmd
	trans-1,3-Dichloropropene	1.0	U		1.0	ug/L	06/25/05	cmd
	1,1,2-Trichloroethane	1.0	U		1.0	ug/L	06/25/05	cmd
	Tetrachloroethene	1.0	U		1.0	ug/L	06/25/05	cmd
	2-Hexanone	2.5	U		2.5	ug/L	06/25/05	cmd
	Dibromochloromethane	1.0	U		1.0	ug/L	06/25/05	cmd
	1,2-Dibromoethane (EDB)	1.0	U		1.0	ug/L	06/25/05	cmd
	Chlorobenzene	1.0	U		1.0	ug/L	06/25/05	cmd
	1,1,1,2-Tetrachloroethane	1.0	U		1.0	ug/L	06/25/05	cmd
	Ethylbenzene	1.0	U		1.0	ug/L	06/25/05	cmd
	Styrene	1.0	U		1.0	ug/L	06/25/05	cmd
	Bromoform	1.0	U		1.0	ug/L	06/25/05	cmd
	trans-1,4-Dichloro-2-butene	1.0	U		1.0	ug/L	06/25/05	cmd
	1,1,2,2-Tetrachloroethane	1.0	U		1.0	ug/L	06/25/05	cmd
	1,2,3-Trichloropropane	1.0	U		1.0	ug/L	06/25/05	cmd
	Xylenes (total)	1.0	U		1.0	ug/L	06/25/05	cmd
	1,4-Dichlorobenzene	1.0	U		1.0	ug/L	06/25/05	cmd
	1,2-Dichlorobenzene	1.0	U		1.0	ug/L	06/25/05	cmd
	1,2-Dibromo-3-chloropropane	1.0	U		1.0	ug/L	06/25/05	cmd

* In Description = Dry Wgt.

Page 8

21 of 82

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Tel (845) 562-0890
Fax (845) 562-0841

LABORATORY TEST RESULTS

Job Number: 249239

Date: 07/13/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW 2300
Date Sampled.....: 06/21/2005
Time Sampled.....: 14:16
Sample Matrix.....: Water

Laboratory Sample ID: 249239-8
Date Received.....: 06/21/2005
Time Received.....: 15:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 B260B	Volatile Organics							
	Chloromethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Vinyl chloride	1.0	U		1.0	ug/L	06/25/05	clmd
	Bromomethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Chloroethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Trichlorofluoromethane	1.0	U		1.0	ug/L	06/25/05	clmd
	1,1-Dichloroethene	1.0	U		1.0	ug/L	06/25/05	clmd
	Iodomethane	5.0	U		5.0	ug/L	06/25/05	clmd
	Carbon disulfide	1.0	U		1.0	ug/L	06/25/05	clmd
	Acetone	2.0	J	B	5.0	ug/L	06/25/05	clmd
	Methylene chloride	1.0	U		1.0	ug/L	06/25/05	clmd
	trans-1,2-Dichloroethene	1.0	U		1.0	ug/L	06/25/05	clmd
	Acrylonitrile	10	U		10	ug/L	06/25/05	clmd
	1,1-Dichloroethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Vinyl acetate	1.0	U		1.0	ug/L	06/25/05	clmd
	cis-1,2-Dichloroethene	1.0	U		1.0	ug/L	06/25/05	clmd
	2-Butanone (MEK)	2.5	U		2.5	ug/L	06/25/05	clmd
	Bromochloromethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Chloroform	1.0	U		1.0	ug/L	06/25/05	clmd
	1,1,1-Trichloroethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Carbon tetrachloride	1.0	U		1.0	ug/L	06/25/05	clmd
	Benzene	1.0	U		1.0	ug/L	06/25/05	clmd
	1,2-Dichloroethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Trichloroethene	1.0	U		1.0	ug/L	06/25/05	clmd
	1,2-Dichloropropane	1.0	U		1.0	ug/L	06/25/05	clmd
	Dibromomethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Bromodichloromethane	1.0	U		1.0	ug/L	06/25/05	clmd
	cis-1,3-Dichloropropene	1.0	U		1.0	ug/L	06/25/05	clmd
	4-Methyl-2-pentanone (MIBK)	2.5	U		2.5	ug/L	06/25/05	clmd
	Toluene	1.0	U		1.0	ug/L	06/25/05	clmd
	trans-1,3-Dichloropropene	1.0	U		1.0	ug/L	06/25/05	clmd
	1,1,2-Trichloroethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Tetrachloroethene	1.0	U		1.0	ug/L	06/25/05	clmd
	2-Hexanone	2.5	U		2.5	ug/L	06/25/05	clmd
	Dibromochloromethane	1.0	U		1.0	ug/L	06/25/05	clmd
	1,2-Dibromoethane (EDB)	1.0	U		1.0	ug/L	06/25/05	clmd
	Chlorobenzene	1.0	U		1.0	ug/L	06/25/05	clmd
	1,1,1,2-Tetrachloroethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Ethylbenzene	1.0	U		1.0	ug/L	06/25/05	clmd
	Styrene	1.0	U		1.0	ug/L	06/25/05	clmd
	Bromoform	1.0	U		1.0	ug/L	06/25/05	clmd
	trans-1,4-Dichloro-2-butene	1.0	U		1.0	ug/L	06/25/05	clmd
	1,1,2,2-Tetrachloroethane	1.0	U		1.0	ug/L	06/25/05	clmd
	1,2,3-Trichloropropane	1.0	U		1.0	ug/L	06/25/05	clmd
	Xylenes (total)	1.0	U		1.0	ug/L	06/25/05	clmd
	1,4-Dichlorobenzene	1.0	U		1.0	ug/L	06/25/05	clmd
	1,2-Dichlorobenzene	1.0	U		1.0	ug/L	06/25/05	clmd
	1,2-Dibromo-3-chloropropane	1.0	U		1.0	ug/L	06/25/05	clmd

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Page 9

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22 of 82



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LABORATORY TEST RESULTS

Job Number: 249239

Date: 07/13/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW 232S
Date Sampled.....: 06/21/2005
Time Sampled.....: 14:16
Sample Matrix.....: Water

Laboratory Sample ID: 249239-9
Date Received.....: 06/21/2005
Time Received.....: 15:50

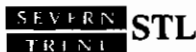
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8260B	Volatile Organics							
	Chloromethane	1.0	U		1.0	ug/L	06/25/05	dmd
	Vinyl chloride	1.0	U		1.0	ug/L	06/25/05	dmd
	Bromomethane	1.0	U		1.0	ug/L	06/25/05	dmd
	Chloroethane	1.0	U		1.0	ug/L	06/25/05	dmd
	Trichlorofluoromethane	1.0	U		1.0	ug/L	06/25/05	dmd
	1,1-Dichloroethene	1.0	U		1.0	ug/L	06/25/05	dmd
	Iodomethane	5.0	U		5.0	ug/L	06/25/05	dmd
	Carbon disulfide	1.0	U		1.0	ug/L	06/25/05	dmd
	Acetone	3.2	J	B	5.0	ug/L	06/25/05	dmd
	Methylene chloride	1.0	U		1.0	ug/L	06/25/05	dmd
	trans-1,2-Dichloroethene	1.0	U		1.0	ug/L	06/25/05	dmd
	Acrylonitrile	10	U		10	ug/L	06/25/05	dmd
	1,1-Dichloroethane	1.0	U		1.0	ug/L	06/25/05	dmd
	Vinyl acetate	1.0	U		1.0	ug/L	06/25/05	dmd
	cis-1,2-Dichloroethene	1.0	U		1.0	ug/L	06/25/05	dmd
	2-Butanone (MEK)	2.5	U		2.5	ug/L	06/25/05	dmd
	Bromochloromethane	1.0	U		1.0	ug/L	06/25/05	dmd
	Chloroform	1.0	U		1.0	ug/L	06/25/05	dmd
	1,1,1-Trichloroethane	1.0	U		1.0	ug/L	06/25/05	dmd
	Carbon tetrachloride	1.0	U		1.0	ug/L	06/25/05	dmd
	Benzene	1.0	U		1.0	ug/L	06/25/05	dmd
	1,2-Dichloroethane	1.0	U		1.0	ug/L	06/25/05	dmd
	Trichloroethene	1.0	U		1.0	ug/L	06/25/05	dmd
	1,2-Dichloropropane	1.0	U		1.0	ug/L	06/25/05	dmd
	Dibromomethane	1.0	U		1.0	ug/L	06/25/05	dmd
	Bromodichloromethane	1.0	U		1.0	ug/L	06/25/05	dmd
	cis-1,3-Dichloropropene	1.0	U		1.0	ug/L	06/25/05	dmd
	4-Methyl-2-pentanone (MIBK)	2.5	U		2.5	ug/L	06/25/05	dmd
	Toluene	1.0	U		1.0	ug/L	06/25/05	dmd
	trans-1,3-Dichloropropene	1.0	U		1.0	ug/L	06/25/05	dmd
	1,1,2-Trichloroethane	1.0	U		1.0	ug/L	06/25/05	dmd
	Tetrachloroethene	1.0	U		1.0	ug/L	06/25/05	dmd
	2-Hexanone	2.5	U		2.5	ug/L	06/25/05	dmd
	Dibromochloromethane	1.0	U		1.0	ug/L	06/25/05	dmd
	1,2-Dibromoethane (EDB)	1.0	U		1.0	ug/L	06/25/05	dmd
	Chlorobenzene	1.0	U		1.0	ug/L	06/25/05	dmd
	1,1,1,2-Tetrachloroethane	1.0	U		1.0	ug/L	06/25/05	dmd
	Ethylbenzene	1.0	U		1.0	ug/L	06/25/05	dmd
	Styrene	1.0	U		1.0	ug/L	06/25/05	dmd
	Bromoform	1.0	U		1.0	ug/L	06/25/05	dmd
	trans-1,4-Dichloro-2-butene	1.0	U		1.0	ug/L	06/25/05	dmd
	1,1,2,2-Tetrachloroethane	1.0	U		1.0	ug/L	06/25/05	dmd
	1,2,3-Trichloropropane	1.0	U		1.0	ug/L	06/25/05	dmd
	Xylenes (total)	1.0	U		1.0	ug/L	06/25/05	dmd
	1,4-Dichlorobenzene	1.0	U		1.0	ug/L	06/25/05	dmd
	1,2-Dichlorobenzene	1.0	U		1.0	ug/L	06/25/05	dmd
	1,2-Dibromo-3-chloropropane	1.0	U		1.0	ug/L	06/25/05	dmd

23 of 82

* In Description = Dry Wgt.

Page 10

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LABORATORY TEST RESULTS

Job Number: 249239

Date: 07/13/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW 245S
Date Sampled.....: 06/21/2005
Time Sampled.....: 14:16
Sample Matrix.....: Water

Laboratory Sample ID: 249239-10
Date Received.....: 06/21/2005
Time Received.....: 15:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8260B	Volatile Organics							
	Chloromethane	1.0	U		1.0	ug/L	06/25/05	dmd
	Vinyl chloride	1.0	U		1.0	ug/L	06/25/05	dmd
	Bromomethane	1.0	U		1.0	ug/L	06/25/05	dmd
	Chloroethane	1.0	U		1.0	ug/L	06/25/05	dmd
	Trichlorofluoromethane	1.0	U		1.0	ug/L	06/25/05	dmd
	1,1-Dichloroethene	1.0	U		1.0	ug/L	06/25/05	dmd
	Iodomethane	5.0	U		5.0	ug/L	06/25/05	dmd
	Carbon disulfide	1.0	U		1.0	ug/L	06/25/05	dmd
	Acetone	2.2	J	B	5.0	ug/L	06/25/05	dmd
	Methylene chloride	1.0	U		1.0	ug/L	06/25/05	dmd
	trans-1,2-Dichloroethene	1.0	U		1.0	ug/L	06/25/05	dmd
	Acrylonitrile	10	U		10	ug/L	06/25/05	dmd
	1,1-Dichloroethane	1.0	U		1.0	ug/L	06/25/05	dmd
	Vinyl acetate	1.0	U		1.0	ug/L	06/25/05	dmd
	cis-1,2-Dichloroethene	1.0	U		1.0	ug/L	06/25/05	dmd
	2-Butanone (MEK)	2.5	U		2.5	ug/L	06/25/05	dmd
	Bromochloromethane	1.0	U		1.0	ug/L	06/25/05	dmd
	Chloroform	1.0	U		1.0	ug/L	06/25/05	dmd
	1,1,1-Trichloroethane	1.0	U		1.0	ug/L	06/25/05	dmd
	Carbon tetrachloride	1.0	U		1.0	ug/L	06/25/05	dmd
	Benzene	1.0	U		1.0	ug/L	06/25/05	dmd
	1,2-Dichloroethane	1.0	U		1.0	ug/L	06/25/05	dmd
	Trichloroethene	1.0	U		1.0	ug/L	06/25/05	dmd
	1,2-Dichloropropane	1.0	U		1.0	ug/L	06/25/05	dmd
	Dibromomethane	1.0	U		1.0	ug/L	06/25/05	dmd
	Bromodichloromethane	1.0	U		1.0	ug/L	06/25/05	dmd
	cis-1,3-Dichloropropene	1.0	U		1.0	ug/L	06/25/05	dmd
	4-Methyl-2-pentanone (MIBK)	2.5	U		2.5	ug/L	06/25/05	dmd
	Toluene	1.0	U		1.0	ug/L	06/25/05	dmd
	trans-1,3-Dichloropropene	1.0	U		1.0	ug/L	06/25/05	dmd
	1,1,2-Trichloroethane	1.0	U		1.0	ug/L	06/25/05	dmd
	Tetrachloroethene	1.0	U		1.0	ug/L	06/25/05	dmd
	2-Hexanone	2.5	U		2.5	ug/L	06/25/05	dmd
	Dibromochloromethane	1.0	U		1.0	ug/L	06/25/05	dmd
	1,2-Dibromoethane (EDB)	1.0	U		1.0	ug/L	06/25/05	dmd
	Chlorobenzene	1.0	U		1.0	ug/L	06/25/05	dmd
	1,1,1,2-Tetrachloroethane	1.0	U		1.0	ug/L	06/25/05	dmd
	Ethylbenzene	1.0	U		1.0	ug/L	06/25/05	dmd
	Styrene	1.0	U		1.0	ug/L	06/25/05	dmd
	Bromoform	1.0	U		1.0	ug/L	06/25/05	dmd
	trans-1,4-Dichloro-2-butene	1.0	U		1.0	ug/L	06/25/05	dmd
	1,1,2,2-Tetrachloroethane	1.0	U		1.0	ug/L	06/25/05	dmd
	1,2,3-Trichloropropane	1.0	U		1.0	ug/L	06/25/05	dmd
	Xylenes (total)	1.0	U		1.0	ug/L	06/25/05	dmd
	1,4-Dichlorobenzene	1.0	U		1.0	ug/L	06/25/05	dmd
	1,2-Dichlorobenzene	1.0	U		1.0	ug/L	06/25/05	dmd
	1,2-Dibromo-3-chloropropane	1.0	U		1.0	ug/L	06/25/05	dmd

* In Description = Dry Wgt.

Page 11

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24 of 82

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Fax (845) 562-0841

LABORATORY TEST RESULTS

Job Number: 249239

Date: 07/13/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW 2450
Date Sampled.....: 06/21/2005
Time Sampled.....: 14:16
Sample Matrix.....: Water

Laboratory Sample ID: 249239-11
Date Received.....: 06/21/2005
Time Received.....: 15:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8260B	Volatile Organics							
	Chloromethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Vinyl chloride	1.0	U		1.0	ug/L	06/25/05	clmd
	Bromomethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Chloroethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Trichlorofluoromethane	1.0	U		1.0	ug/L	06/25/05	clmd
	1,1-Dichloroethene	1.0	U		1.0	ug/L	06/25/05	clmd
	Iodomethane	5.0	U		5.0	ug/L	06/25/05	clmd
	Carbon disulfide	1.0	U		1.0	ug/L	06/25/05	clmd
	Acetone	3.0	J	B	5.0	ug/L	06/25/05	clmd
	Methylene chloride	1.0	U		1.0	ug/L	06/25/05	clmd
	trans-1,2-Dichloroethene	1.0	U		1.0	ug/L	06/25/05	clmd
	Acrylonitrile	10	U		10	ug/L	06/25/05	clmd
	1,1-Dichloroethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Vinyl acetate	1.0	U		1.0	ug/L	06/25/05	clmd
	cis-1,2-Dichloroethene	1.0	U		1.0	ug/L	06/25/05	clmd
	2-Butanone (MEK)	2.5	U		2.5	ug/L	06/25/05	clmd
	Bromochloromethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Chloroform	1.0	U		1.0	ug/L	06/25/05	clmd
	1,1,1-Trichloroethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Carbon tetrachloride	1.0	U		1.0	ug/L	06/25/05	clmd
	Benzene	1.0	U		1.0	ug/L	06/25/05	clmd
	1,2-Dichloroethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Trichloroethene	1.0	U		1.0	ug/L	06/25/05	clmd
	1,2-Dichloropropane	1.0	U		1.0	ug/L	06/25/05	clmd
	Dibromomethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Bromodichloromethane	1.0	U		1.0	ug/L	06/25/05	clmd
	cis-1,3-Dichloropropene	1.0	U		1.0	ug/L	06/25/05	clmd
	4-Methyl-2-pentanone (MIBK)	2.5	U		2.5	ug/L	06/25/05	clmd
	Toluene	1.0	U		1.0	ug/L	06/25/05	clmd
	trans-1,3-Dichloropropene	1.0	U		1.0	ug/L	06/25/05	clmd
	1,1,2-Trichloroethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Tetrachloroethene	1.0	U		1.0	ug/L	06/25/05	clmd
	2-Hexanone	2.5	U		2.5	ug/L	06/25/05	clmd
	Dibromochloromethane	1.0	U		1.0	ug/L	06/25/05	clmd
	1,2-Dibromoethane (EDB)	1.0	U		1.0	ug/L	06/25/05	clmd
	Chlorobenzene	1.0	U		1.0	ug/L	06/25/05	clmd
	1,1,1,2-Tetrachloroethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Ethylbenzene	1.0	U		1.0	ug/L	06/25/05	clmd
	Styrene	1.0	U		1.0	ug/L	06/25/05	clmd
	Bromoform	1.0	U		1.0	ug/L	06/25/05	clmd
	trans-1,4-Dichloro-2-butene	1.0	U		1.0	ug/L	06/25/05	clmd
	1,1,2,2-Tetrachloroethane	1.0	U		1.0	ug/L	06/25/05	clmd
	1,2,3-Trichloropropene	1.0	U		1.0	ug/L	06/25/05	clmd
	Xylenes (total)	1.0	U		1.0	ug/L	06/25/05	clmd
	1,4-Dichlorobenzene	1.0	U		1.0	ug/L	06/25/05	clmd
	1,2-Dichlorobenzene	1.0	U		1.0	ug/L	06/25/05	clmd
	1,2-Dibromo-3-chloropropane	1.0	U		1.0	ug/L	06/25/05	clmd

* In Description = Dry Wgt.

Page 12

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25 of 82



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Fax (845) 562-0841

LABORATORY TEST RESULTS

Job Number: 249239

Date: 07/13/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW 220
Date Sampled.....: 06/21/2005
Time Sampled.....: 14:16
Sample Matrix.....: Water

Laboratory Sample ID: 249239-12
Date Received.....: 06/21/2005
Time Received.....: 15:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8260B	Volatile Organics							
	Chloromethane	1.0	U		1.0	ug/L	06/25/05	dmd
	Vinyl chloride	1.0	U		1.0	ug/L	06/25/05	dmd
	Bromomethane	1.0	U		1.0	ug/L	06/25/05	dmd
	Chloroethane	1.0	U		1.0	ug/L	06/25/05	dmd
	Trichlorofluoromethane	1.0	U		1.0	ug/L	06/25/05	dmd
	1,1-Dichloroethene	1.0	U		1.0	ug/L	06/25/05	dmd
	Iodomethane	5.0	U		5.0	ug/L	06/25/05	dmd
	Carbon disulfide	1.0	U		1.0	ug/L	06/25/05	dmd
	Acetone	4.8	J	B	5.0	ug/L	06/25/05	dmd
	Methylene chloride	1.0	U		1.0	ug/L	06/25/05	dmd
	trans-1,2-Dichloroethene	1.0	U		1.0	ug/L	06/25/05	dmd
	Acrylonitrile	10	U		10	ug/L	06/25/05	dmd
	1,1-Dichloroethane	1.0	U		1.0	ug/L	06/25/05	dmd
	Vinyl acetate	1.0	U		1.0	ug/L	06/25/05	dmd
	cis-1,2-Dichloroethene	1.0	U		1.0	ug/L	06/25/05	dmd
	2-Butanone (MEK)	2.5	U		2.5	ug/L	06/25/05	dmd
	Bromochloromethane	1.0	U		1.0	ug/L	06/25/05	dmd
	Chloroform	1.0	U		1.0	ug/L	06/25/05	dmd
	1,1,1-Trichloroethane	1.0	U		1.0	ug/L	06/25/05	dmd
	Carbon tetrachloride	1.0	U		1.0	ug/L	06/25/05	dmd
	Benzene	1.0	U		1.0	ug/L	06/25/05	dmd
	1,2-Dichloroethane	1.0	U		1.0	ug/L	06/25/05	dmd
	Trichloroethene	1.0	U		1.0	ug/L	06/25/05	dmd
	1,2-Dichloropropane	1.0	U		1.0	ug/L	06/25/05	dmd
	Dibromomethane	1.0	U		1.0	ug/L	06/25/05	dmd
	Bromodichloromethane	1.0	U		1.0	ug/L	06/25/05	dmd
	cis-1,3-Dichloropropene	1.0	U		1.0	ug/L	06/25/05	dmd
	4-Methyl-2-pentanone (MIBK)	2.5	U		2.5	ug/L	06/25/05	dmd
	Toluene	1.0	U		1.0	ug/L	06/25/05	dmd
	trans-1,3-Dichloropropene	1.0	U		1.0	ug/L	06/25/05	dmd
	1,1,2-Trichloroethane	1.0	U		1.0	ug/L	06/25/05	dmd
	Tetrachloroethene	1.0	U		1.0	ug/L	06/25/05	dmd
	2-Hexanone	2.5	U		2.5	ug/L	06/25/05	dmd
	Dibromochloromethane	1.0	U		1.0	ug/L	06/25/05	dmd
	1,2-Dibromoethane (EDB)	1.0	U		1.0	ug/L	06/25/05	dmd
	Chlorobenzene	1.0	U		1.0	ug/L	06/25/05	dmd
	1,1,1,2-Tetrachloroethane	1.0	U		1.0	ug/L	06/25/05	dmd
	Ethylbenzene	1.0	U		1.0	ug/L	06/25/05	dmd
	Styrene	1.0	U		1.0	ug/L	06/25/05	dmd
	Bromoform	1.0	U		1.0	ug/L	06/25/05	dmd
	trans-1,4-Dichloro-2-butene	1.0	U		1.0	ug/L	06/25/05	dmd
	1,1,2,2-Tetrachloroethane	1.0	U		1.0	ug/L	06/25/05	dmd
	1,2,3-Trichloropropane	1.0	U		1.0	ug/L	06/25/05	dmd
	Xylenes (total)	1.0	U		1.0	ug/L	06/25/05	dmd
	1,4-Dichlorobenzene	1.0	U		1.0	ug/L	06/25/05	dmd
	1,2-Dichlorobenzene	1.0	U		1.0	ug/L	06/25/05	dmd
	1,2-Dibromo-3-chloropropane	1.0	U		1.0	ug/L	06/25/05	dmd

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Page 13
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LABORATORY TEST RESULTS

Job Number: 249239

Date: 07/13/2005

CUSTOMER: C&S Engineers

PROJECT: DCLF GOSHEN, NEW YOR

ATTN: Christen Craig

Customer Sample ID: MW 38
Date Sampled.....: 06/21/2005
Time Sampled.....: 14:16
Sample Matrix.....: Water

Laboratory Sample ID: 249239-13
Date Received.....: 06/21/2005
Time Received.....: 15:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8260B	Volatile Organics							
	Chloromethane	1.0	U		1.0	ug/L	06/25/05	clnd
	Vinyl chloride	1.0	U		1.0	ug/L	06/25/05	clnd
	Bromomethane	1.0	U		1.0	ug/L	06/25/05	clnd
	Chloroethane	1.0	U		1.0	ug/L	06/25/05	clnd
	Trichlorofluoromethane	1.0	U		1.0	ug/L	06/25/05	clnd
	1,1-Dichloroethene	1.0	U		1.0	ug/L	06/25/05	clnd
	Iodomethane	5.0	U		5.0	ug/L	06/25/05	clnd
	Carbon disulfide	1.0	U		1.0	ug/L	06/25/05	clnd
	Acetone	1.1	J	B	5.0	ug/L	06/25/05	clnd
	Methylene chloride	1.0	U		1.0	ug/L	06/25/05	clnd
	trans-1,2-Dichloroethene	1.0	U		1.0	ug/L	06/25/05	clnd
	Acrylonitrile	10	U		10	ug/L	06/25/05	clnd
	1,1-Dichloroethane	1.0	U		1.0	ug/L	06/25/05	clnd
	Vinyl acetate	1.0	U		1.0	ug/L	06/25/05	clnd
	cis-1,2-Dichloroethene	1.0	U		1.0	ug/L	06/25/05	clnd
	2-Butanone (MEK)	2.5	U		2.5	ug/L	06/25/05	clnd
	Bromochloromethane	1.0	U		1.0	ug/L	06/25/05	clnd
	Chloroform	1.0	U		1.0	ug/L	06/25/05	clnd
	1,1,1-Trichloroethane	1.0	U		1.0	ug/L	06/25/05	clnd
	Carbon tetrachloride	1.0	U		1.0	ug/L	06/25/05	clnd
	Benzene	1.0	U		1.0	ug/L	06/25/05	clnd
	1,2-Dichloroethane	1.0	U		1.0	ug/L	06/25/05	clnd
	Trichloroethene	1.0	U		1.0	ug/L	06/25/05	clnd
	1,2-Dichloropropane	1.0	U		1.0	ug/L	06/25/05	clnd
	Dibromomethane	1.0	U		1.0	ug/L	06/25/05	clnd
	Bromodichloromethane	1.0	U		1.0	ug/L	06/25/05	clnd
	cis-1,3-Dichloropropene	1.0	U		1.0	ug/L	06/25/05	clnd
	4-Methyl-2-pentanone (MIBK)	2.5	U		2.5	ug/L	06/25/05	clnd
	Toluene	1.0	U		1.0	ug/L	06/25/05	clnd
	trans-1,3-Dichloropropene	1.0	U		1.0	ug/L	06/25/05	clnd
	1,1,2-Trichloroethane	1.0	U		1.0	ug/L	06/25/05	clnd
	Tetrachloroethene	1.0	U		1.0	ug/L	06/25/05	clnd
	2-Hexanone	2.5	U		2.5	ug/L	06/25/05	clnd
	Dibromochloromethane	1.0	U		1.0	ug/L	06/25/05	clnd
	1,2-Dibromoethane (EDB)	1.0	U		1.0	ug/L	06/25/05	clnd
	Chlorobenzene	1.0	U		1.0	ug/L	06/25/05	clnd
	1,1,1,2-Tetrachloroethane	1.0	U		1.0	ug/L	06/25/05	clnd
	Ethylbenzene	1.0	U		1.0	ug/L	06/25/05	clnd
	Styrene	1.0	U		1.0	ug/L	06/25/05	clnd
	Bromoform	1.0	U		1.0	ug/L	06/25/05	clnd
	trans-1,4-Dichloro-2-butene	1.0	U		1.0	ug/L	06/25/05	clnd
	1,1,2,2-Tetrachloroethane	1.0	U		1.0	ug/L	06/25/05	clnd
	1,2,3-Trichloropropane	1.0	U		1.0	ug/L	06/25/05	clnd
	Xylenes (total)	1.0	U		1.0	ug/L	06/25/05	clnd
	1,4-Dichlorobenzene	1.0	U		1.0	ug/L	06/25/05	clnd
	1,2-Dichlorobenzene	1.0	U		1.0	ug/L	06/25/05	clnd
	1,2-Dibromo-3-chloropropane	1.0	U		1.0	ug/L	06/25/05	clnd

In Description = Dry Wgt.

Page 14

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27 of 82



NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

STL Newburgh
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Newburgh, NY 12550
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LABORATORY TEST RESULTS

Job Number: 249239

Date: 07/13/2005

CUSTOMER: C&S Engineers

PROJECT: DCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: Trip Blank
Date Sampled.....: 06/21/2005
Time Sampled.....: 00:00
Sample Matrix.....: Trip Blank

Laboratory Sample ID: 249239-14
Date Received.....: 06/21/2005
Time Received.....: 15:50

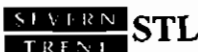
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
Sw846 8260B	Volatile Organics							
	Chloromethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Vinyl chloride	1.0	U		1.0	ug/L	06/25/05	clmd
	Bromomethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Chloroethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Trichlorofluoromethane	1.0	U		1.0	ug/L	06/25/05	clmd
	1,1-Dichloroethene	1.0	U		1.0	ug/L	06/25/05	clmd
	Iodomethane	5.0	U		5.0	ug/L	06/25/05	clmd
	Carbon disulfide	1.0	U		1.0	ug/L	06/25/05	clmd
	Acetone	1.2	J	B	5.0	ug/L	06/25/05	clmd
	Methylene chloride	0.74	J		1.0	ug/L	06/25/05	clmd
	trans-1,2-Dichloroethene	1.0	U		1.0	ug/L	06/25/05	clmd
	Acrylonitrile	10	U		10	ug/L	06/25/05	clmd
	1,1-Dichloroethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Vinyl acetate	1.0	U		1.0	ug/L	06/25/05	clmd
	cis-1,2-Dichloroethene	1.0	U		1.0	ug/L	06/25/05	clmd
	2-Butanone (MEK)	2.5	U		2.5	ug/L	06/25/05	clmd
	Bromochloromethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Chloroform	1.0	U		1.0	ug/L	06/25/05	clmd
	1,1,1-Trichloroethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Carbon tetrachloride	1.0	U		1.0	ug/L	06/25/05	clmd
	Benzene	1.0	U		1.0	ug/L	06/25/05	clmd
	1,2-Dichloroethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Trichloroethene	1.0	U		1.0	ug/L	06/25/05	clmd
	1,2-Dichloropropane	1.0	U		1.0	ug/L	06/25/05	clmd
	Dibromomethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Bromodichloromethane	1.0	U		1.0	ug/L	06/25/05	clmd
	cis-1,3-Dichloropropene	1.0	U		1.0	ug/L	06/25/05	clmd
	4-Methyl-2-pentanone (MIBK)	2.5	U		2.5	ug/L	06/25/05	clmd
	Toluene	1.0	U		1.0	ug/L	06/25/05	clmd
	trans-1,3-Dichloropropene	1.0	U		1.0	ug/L	06/25/05	clmd
	1,1,2-Trichloroethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Tetrachloroethene	1.0	U		1.0	ug/L	06/25/05	clmd
	2-Hexanone	2.5	U		2.5	ug/L	06/25/05	clmd
	Dibromochloromethane	1.0	U		1.0	ug/L	06/25/05	clmd
	1,2-Dibromoethane (EDB)	1.0	U		1.0	ug/L	06/25/05	clmd
	Chlorobenzene	1.0	U		1.0	ug/L	06/25/05	clmd
	1,1,1,2-Tetrachloroethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Ethylbenzene	1.0	U		1.0	ug/L	06/25/05	clmd
	Styrene	1.0	U		1.0	ug/L	06/25/05	clmd
	Bromoform	1.0	U		1.0	ug/L	06/25/05	clmd
	trans-1,4-Dichloro-2-butene	1.0	U		1.0	ug/L	06/25/05	clmd
	1,1,2,2-Tetrachloroethane	1.0	U		1.0	ug/L	06/25/05	clmd
	1,2,3-Trichloropropane	1.0	U		1.0	ug/L	06/25/05	clmd
	Xylenes (total)	1.0	U		1.0	ug/L	06/25/05	clmd
	1,4-Dichlorobenzene	1.0	U		1.0	ug/L	06/25/05	clmd
	1,2-Dichlorobenzene	1.0	U		1.0	ug/L	06/25/05	clmd
	1,2-Dibromo-3-chloropropane	1.0	U		1.0	ug/L	06/25/05	clmd

* In Description = Dry Wgt.

Page 15

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28 of 82



NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

STL Newburgh
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3BS

WATER VOLATILE BLANK SPIKE RECOVERY

Lab Name: STL Newburgh Contract: _____Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 249239Matrix Spike - EPA Sample No. VBSPK024

COMPOUND	SPIKE ADDED (ug/L)	BS CONCENTRATION (ug/L)	BS % REC #	QC LIMITS REC.
1,1-Dichloroethene	20	20	100	73 - 133
Trichloroethene	20	20	100	74 - 127
Benzene	20	21	105	73 - 131
Toluene	20	21	105	81 - 123
Chlorobenzene	20	20	100	77 - 127

Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS: _____

29 of 82

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FORM III VOA-BS

NYSDOH 10142

NJDEP 73016

CTDOHS PH-0564

EPA NY049

PA 65-378

M-NY049

STL Newburgh
 315 Fulton Avenue
 Newburgh, NY 12550
 Tel (845) 562-0890
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WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: STL Newburgh Contract: _____
 Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 249239
 Matrix Spike - EPA Sample No MW 234S

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	20	0	23	115	73 - 133
Trichloroethene	20	0	21	105	74 - 127
Benzene	20	0	24	120	73 - 131
Toluene	20	0	22	110	81 - 123
Chlorobenzene	20	0	21	105	77 - 127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS	
					RPD	REC.
1,1-Dichloroethene	20	23	115	0	14	73 - 133
Trichloroethene	20	21	105	0	14	74 - 127
Benzene	20	24	120	0	11	73 - 131
Toluene	20	22	110	0	13	81 - 123
Chlorobenzene	20	21	105	0	13	77 - 127

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

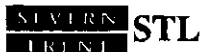
Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

30 of 82

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FORM III VOA-1



NYSDOH 10142

NJDEP 73015

CTDOHS PH-0564

EPA NY049

PA 00-376

M-NY049

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 315 Parkton Avenue
 Newburgh, NY 12550
 Tel (845) 562-0890
 Fax (845) 562-0841

LABORATORY TEST RESULTS												
Job Number: 249239				Date: 07/19/2005								
CUSTOMER: C&S Engineers				PROJECT: OCLF, GOSHEN, NEW YOR				ATTN: Christen Craig				
Customer Sample ID: MW 304S Date Sampled.....: 06/21/2005 Time Sampled.....: 14:16 Sample Matrix.....: Water				Laboratory Sample ID: 249239-1 Date Received.....: 06/21/2005 Time Received.....: 15:50								
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	IDL	RL	DILUTION	UNITS	BATCH	IDT	DATE	TECH
EPA 245.1	Mercury (Hg)	0.16	U		0.16	0.20	1	ug/L	93036		06/28/05	lms
EPA 245.1	Mercury (Hg), Diss.	0.16	U		0.16	0.20	1	ug/L	93036		06/28/05	lms
EPA 200.7	Hardness by calculation	569				2.50	1	mg/L	93933		07/12/05	med
	Hardness, Total as CaCO3	551				2.50	1	mg/L	93927		07/13/05	med
EPA 200.7	Metals Analysis (ICP)											
	Aluminum (Al)	262		*	10.4	200	1	ug/L	93762		07/12/05	med
	Aluminum (Al), Diss.	10.4	U		10.4	200	1	ug/L	93628		07/13/05	med
	Antimony (Sb)	2.5	U		2.5	60.0	1	ug/L	93762		07/12/05	med
	Antimony (Sb), Diss.	2.5	U	N	2.5	60.0	1	ug/L	93628		07/13/05	med
	Arsenic (As)	4.3	B		3.1	10.0	1	ug/L	93762		07/12/05	med
	Arsenic (As), Diss.	3.1	U		3.1	10.0	1	ug/L	93628		07/13/05	med
	Barium (Ba)	459			7.1	200	1	ug/L	93762		07/12/05	med
	Barium (Ba), Diss.	448			7.1	200	1	ug/L	93628		07/13/05	med
	Beryllium (Be)	0.40	U		0.40	5.0	1	ug/L	93762		07/12/05	med
	Beryllium (Be), Diss.	0.40	U		0.40	5.0	1	ug/L	93628		07/13/05	med
	Boron (B)	49.9	B		3.7	50.0	1	ug/L	93762		07/12/05	med
	Boron (B), Diss.	45.0	B		3.7	50.0	1	ug/L	93628		07/13/05	med
	Cadmium (Cd)	0.80	U		0.80	5.0	1	ug/L	93762		07/12/05	med
	Cadmium (Cd), Diss.	0.80	U		0.80	5.0	1	ug/L	93628		07/13/05	med
	Calcium (Ca)	172000			58.0	5000	1	ug/L	93762		07/12/05	med
	Calcium (Ca), Diss.	167000			58.0	5000	1	ug/L	93628		07/13/05	med
	Chromium (Cr)	3.2	B		0.90	10.0	1	ug/L	93762		07/12/05	med
	Chromium (Cr), Diss.	0.90	U		0.90	10.0	1	ug/L	93628		07/13/05	med
	Cobalt (Co)	2.4	B		1.9	50.0	1	ug/L	93762		07/12/05	med

31 of 82

31 of 82

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 249239

Date: 07/19/2005

CUSTOMER: C&S Engineers

PROJECT: OCLE, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW 304S
Date Sampled.....: 06/21/2005
Time Sampled.....: 14:16
Sample Matrix.....: Water

Laboratory Sample ID: 249239-1
Date Received.....: 06/21/2005
Time Received.....: 15:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	BATCH	DT	DATE	TECH
	Cobalt (Co), Diss.	1.9	U	1.9	50.0	1	ug/L	93828		07/13/05	mad
	Copper (Cu)	6.0	B	1.2	25.0	1	ug/L	93762		07/12/05	mad
	Copper (Cu), Diss.	1.2	U	1.2	25.0	1	ug/L	93828		07/13/05	mad
	Iron (Fe)	14600		7.7	100	1	ug/L	93762		07/12/05	mad
	Iron (Fe), Diss.	13600		7.7	100	1	ug/L	93828		07/13/05	mad
	Lead (Pb)	4.6	B	1.9	5.0	1	ug/L	93762		07/12/05	mad
	Lead (Pb), Diss.	2.9	B	1.9	5.0	1	ug/L	93828		07/13/05	mad
	Magnesium (Mg)	33900		16.6	5000	1	ug/L	93762		07/12/05	mad
	Magnesium (Mg), Diss.	32400		16.6	5000	1	ug/L	93828		07/13/05	mad
	Manganese (Mn)	3570		2.1	10.0	1	ug/L	93762		07/12/05	mad
	Manganese (Mn), Diss.	3330		2.1	10.0	1	ug/L	93828		07/13/05	mad
	Nickel (Ni)	2.3	U	2.3	40.0	1	ug/L	93762		07/12/05	mad
	Nickel (Ni), Diss.	2.3	U	2.3	40.0	1	ug/L	93828		07/13/05	mad
	Potassium (K)	4280	B	38.6	5000	1	ug/L	93762		07/12/05	mad
	Potassium (K), Diss.	4030	B	38.6	5000	1	ug/L	93828		07/13/05	mad
	Selenium (Se)	3.9	U	3.9	10.0	1	ug/L	93762		07/12/05	mad
	Selenium (Se), Diss.	3.9	U	3.9	10.0	1	ug/L	93828		07/13/05	mad
	Silver (Ag)	4.8	B	1.1	10.0	1	ug/L	93762		07/12/05	mad
	Silver (Ag), Diss.	2.2	B	1.1	10.0	1	ug/L	93828		07/13/05	mad
	Sodium (Na)	21200		10.6	5000	1	ug/L	93762		07/12/05	mad
	Sodium (Na), Diss.	17400		10.6	5000	1	ug/L	93828		07/13/05	mad
	Thallium (Tl)	2.9	U	2.9	10.0	1	ug/L	93762		07/12/05	mad
	Thallium (Tl), Diss.	3.2	B	2.9	10.0	1	ug/L	93828		07/13/05	mad
	Vanadium (V)	2.0	U	2.0	50.0	1	ug/L	93762		07/12/05	mad
	Vanadium (V), Diss.	2.0	U	2.0	50.0	1	ug/L	93828		07/13/05	mad
	Zinc (Zn)	109		2.5	20.0	1	ug/L	93762		07/12/05	mad
	Zinc (Zn), Diss.	3.2	B	2.5	20.0	1	ug/L	93828		07/13/05	mad

32 of 82

* In Description = Dry Wgt.

LABORATORY TEST RESULTS											
Job Number: 249239		Date: 07/19/2005									
CUSTOMER: C&S Engineers		PROJECT: OCLF, GOSHEN, NEW YORK									
ATTN: Christen Craig											
Customer Sample ID: MW 3040		Laboratory Sample ID: 249239-2									
Date Sampled.....: 06/21/2005		Date Received.....: 06/21/2005									
Time Sampled.....: 14:16		Time Received.....: 15:50									
Sample Matrix.....: Water											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	BATCH	DT	DATE	TECH
EPA 245.1	Mercury (Hg)	0.16	U	0.16	0.20	1	ug/L	93036		06/28/05	tns
EPA 245.1	Mercury (Hg), Diss.	0.16	U	0.16	0.20	1	ug/L	93036		06/28/05	tns
EPA 200.7	Hardness by calculation	216			2.50	1	mg/L	93933		07/12/05	mad
EPA 200.7	Hardness, Total as CaCO3	212			2.50	1	mg/L	93927		07/13/05	mad
EPA 200.7	Hardness, Total as CaCO3, Diss.										
EPA 200.7	Metals Analysis (ICP)										
	Aluminum (Al)	140	B	10.4	200	1	ug/L	93762		07/12/05	mad
	Aluminum (Al), Diss.	10.4	U	10.4	200	1	ug/L	93828		07/13/05	mad
	Antimony (Sb)	2.5	U	2.5	60.0	1	ug/L	93762		07/12/05	mad
	Antimony (Sb), Diss.	2.5	U	2.5	60.0	1	ug/L	93828		07/13/05	mad
	Arsenic (As)	20.9	U	3.1	10.0	1	ug/L	93762		07/12/05	mad
	Arsenic (As), Diss.	7.7	B	3.1	10.0	1	ug/L	93828		07/13/05	mad
	Barium (Ba)	51.7	B	7.1	200	1	ug/L	93762		07/12/05	mad
	Barium (Ba), Diss.	45.5	B	7.1	200	1	ug/L	93828		07/13/05	mad
	Beryllium (Be)	0.40	U	0.40	5.0	1	ug/L	93762		07/12/05	mad
	Beryllium (Be), Diss.	0.40	U	0.40	5.0	1	ug/L	93828		07/13/05	mad
	Boron (B)	52.1	U	3.7	50.0	1	ug/L	93762		07/12/05	mad
	Boron (B), Diss.	52.7	U	3.7	50.0	1	ug/L	93828		07/13/05	mad
	Cadmium (Cd)	0.87	B	0.80	5.0	1	ug/L	93762		07/12/05	mad
	Cadmium (Cd), Diss.	0.80	U	0.80	5.0	1	ug/L	93828		07/13/05	mad
	Calcium (Ca)	58300		58.0	5000	1	ug/L	93762		07/12/05	mad
	Calcium (Ca), Diss.	57900		58.0	5000	1	ug/L	93828		07/13/05	mad
	Chromium (Cr)	1.3	B	0.90	10.0	1	ug/L	93762		07/12/05	mad
	Chromium (Cr), Diss.	0.90	U	0.90	10.0	1	ug/L	93828		07/13/05	mad
	Cobalt (Co)	1.9	U	1.9	50.0	1	ug/L	93762		07/12/05	mad

33 of 82

33 of 82

* In Description = Dry Wgt.

LABORATORY TEST RESULTS										
Job Number: 249239					Date:07/19/2005					
CUSTOMER: C&S Engineers					ATTN: Christen Craig					
PROJECT: OCLF, GOSHEN, NEW YOR										
Customer Sample ID: MW 3040					Laboratory Sample ID: 249239-2					
Date Sampled.....: 06/21/2005					Date Received.....: 06/21/2005					
Time Sampled.....: 14:16					Time Received.....: 15:50					
Sample Matrix.....: Water										
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	BATCH	DATE	TECH
	Cobalt (Co), Diss.	1.9	U	1.9	50.0	1	ug/L	93828	07/13/05	mad
	Copper (Cu)	4.7	B	1.2	25.0	1	ug/L	93762	07/12/05	mad
	Copper (Cu), Diss.	1.2	U	1.2	25.0	1	ug/L	93828	07/13/05	mad
	Iron (Fe)	1370	*	7.7	100	1	ug/L	93762	07/12/05	mad
	Iron (Fe), Diss.	14.6	B	7.7	100	1	ug/L	93828	07/13/05	mad
	Lead (Pb)	2.1	B	1.9	5.0	1	ug/L	93762	07/12/05	mad
	Lead (Pb), Diss.	1.9	U	1.9	5.0	1	ug/L	93828	07/13/05	mad
	Magnesium (Mg)	17100		16.6	5000	1	ug/L	93762	07/12/05	mad
	Magnesium (Mg), Diss.	16400		16.6	5000	1	ug/L	93828	07/13/05	mad
	Manganese (Mn)	27.9	B	2.1	10.0	1	ug/L	93762	07/12/05	mad
	Manganese (Mn), Diss.	3.3	U	2.1	10.0	1	ug/L	93828	07/13/05	mad
	Nickel (Ni)	2.3	U	2.3	40.0	1	ug/L	93762	07/12/05	mad
	Nickel (Ni), Diss.	2.3	U	2.3	40.0	1	ug/L	93828	07/13/05	mad
	Potassium (K)	3350	B	38.6	5000	1	ug/L	93762	07/12/05	mad
	Potassium (K), Diss.	3330	B	38.6	5000	1	ug/L	93828	07/13/05	mad
	Selenium (Se)	3.9	U	3.9	10.0	1	ug/L	93762	07/12/05	mad
	Selenium (Se), Diss.	3.9	U	3.9	10.0	1	ug/L	93828	07/13/05	mad
	Silver (Ag)	3.0	B	1.1	10.0	1	ug/L	93762	07/12/05	mad
	Silver (Ag), Diss.	1.1	U	1.1	10.0	1	ug/L	93828	07/13/05	mad
	Sodium (Na)	35900		10.6	5000	1	ug/L	93762	07/12/05	mad
	Sodium (Na), Diss.	34500		10.6	5000	1	ug/L	93828	07/13/05	mad
	Thallium (Tl)	2.9	U	2.9	10.0	1	ug/L	93762	07/12/05	mad
	Thallium (Tl), Diss.	2.9	U	2.9	10.0	1	ug/L	93828	07/13/05	mad
	Vanadium (V)	2.0	U	2.0	50.0	1	ug/L	93762	07/12/05	mad
	Vanadium (V), Diss.	2.0	U	2.0	50.0	1	ug/L	93828	07/13/05	mad
	Zinc (Zn)	99.9		2.5	20.0	1	ug/L	93762	07/12/05	mad
	Zinc (Zn), Diss.	9.5	B	2.5	20.0	1	ug/L	93828	07/13/05	mad

34 of 82

34 of 82

* In Description = Dry Wgt.

Customer Sample 10: MW 2340

Date Sampled.....: 06/21/2005

Time Sampled.....: 14:16

Sample Matrix.....: Water

Laboratory Sample ID: 249239-3

Date Received.....: 06/21/2005

Time Received.....: 15:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	IDL	RL	DILUTION	UNITS	BATCH	IDT	DATE	TECH
EPA 245.1	Mercury (Hg)	0.16	U		0.16	0.20	1	ug/L	93036		06/28/05	Ins
EPA 245.1	Mercury (Hg), Diss.	0.16	U		0.16	0.20	1	ug/L	93036		06/28/05	Ins
EPA 200.7	Hardness by calculation											
	Hardness, Total as CaCO3	204				2.50	1	mg/L	93933		07/12/05	mad
	Hardness, Total as CaCO3, Diss.	205				2.50	1	mg/L	93927		07/13/05	mad
EPA 200.7	Metals Analysis (ICP)											
	Aluminum (Al)	69.7	B	*	10.4	200	1	ug/L	93762		07/12/05	mad
	Aluminum (Al), Diss.	10.4	U		10.4	200	1	ug/L	93828		07/13/05	mad
	Antimony (Sb)	2.5	U		2.5	60.0	1	ug/L	93762		07/12/05	mad
	Antimony (Sb), Diss.	2.5	U	N	2.5	60.0	1	ug/L	93828		07/13/05	mad
	Arsenic (As)	5.2	B		3.1	10.0	1	ug/L	93762		07/12/05	mad
	Arsenic (As), Diss.	5.6	B		3.1	10.0	1	ug/L	93828		07/13/05	mad
	Barium (Ba)	78.9	B		7.1	200	1	ug/L	93762		07/12/05	mad
	Barium (Ba), Diss.	71.6	B		7.1	200	1	ug/L	93828		07/13/05	mad
	Beryllium (Be)	0.40	U		0.40	5.0	1	ug/L	93762		07/12/05	mad
	Beryllium (Be), Diss.	0.40	U		0.40	5.0	1	ug/L	93828		07/13/05	mad
	Boron (B)	24.0	B		3.7	50.0	1	ug/L	93762		07/12/05	mad
	Boron (B), Diss.	23.5	B		3.7	50.0	1	ug/L	93828		07/13/05	mad
	Cadmium (Cd)	0.80	U		0.80	5.0	1	ug/L	93762		07/12/05	mad
	Cadmium (Cd), Diss.	0.80	U		0.80	5.0	1	ug/L	93828		07/13/05	mad
	Calcium (Ca)	62600	U		58.0	5000	1	ug/L	93762		07/12/05	mad
	Calcium (Ca), Diss.	63600	U		58.0	5000	1	ug/L	93828		07/13/05	mad
	Chromium (Cr)	1.6	B		0.90	10.0	1	ug/L	93762		07/12/05	mad
	Chromium (Cr), Diss.	0.90	U		0.90	10.0	1	ug/L	93828		07/13/05	mad
	Cobalt (Co)	1.9	U		1.9	50.0	1	ug/L	93762		07/12/05	mad

35 of 82

Job Number: 249239

LABORATORY TEST RESULTS

Date:07/19/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YOR

ATTN: Christen Craig

Customer Sample ID: MW 2340

Laboratory Sample ID: 249239-3

Date Sampled.....: 06/21/2005

Date Received.....: 06/21/2005

Time Sampled.....: 14:16

Time Received.....: 15:50

Sample Matrix.....: Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	BATCH	DT	DATE	TECH
	Cobalt (Co), Diss.	1.9	U	1.9	50.0	1	ug/L	93828		07/13/05	med
	Copper (Cu)	5.8	B	1.2	25.0	1	ug/L	93762		07/12/05	med
	Copper (Cu), Diss.	1.2	U	1.2	25.0	1	ug/L	93828		07/13/05	med
	Iron (Fe)	389	*	7.7	100	1	ug/L	93762		07/12/05	med
	Iron (Fe), Diss.	13.9	B	7.7	100	1	ug/L	93828		07/13/05	med
	Lead (Pb)	3.4	B	1.9	5.0	1	ug/L	93762		07/12/05	med
	Lead (Pb), Diss.	1.9	U	1.9	5.0	1	ug/L	93828		07/13/05	med
	Magnesium (Mg)	11600		16.6	5000	1	ug/L	93762		07/12/05	med
	Magnesium (Mg), Diss.	11300		16.6	5000	1	ug/L	93828		07/13/05	med
	Manganese (Mn)	269	*	2.1	10.0	1	ug/L	93762		07/12/05	med
	Manganese (Mn), Diss.	136		2.1	10.0	1	ug/L	93828		07/13/05	med
	Nickel (Ni)	2.3	U	2.3	40.0	1	ug/L	93762		07/12/05	med
	Nickel (Ni), Diss.	2.3	U	2.3	40.0	1	ug/L	93828		07/13/05	med
	Potassium (K)	11800		77.2	10000	2.000	ug/L	93762		07/12/05	med
	Potassium (K), Diss.	11800	E	77.2	10000	2.000	ug/L	93973		07/15/05	med
	Selenium (Se)	3.9	U	3.9	10.0	1	ug/L	93762		07/12/05	med
	Selenium (Se), Diss.	3.9	U	3.9	10.0	1	ug/L	93828		07/13/05	med
	Silver (Ag)	2.7	B	1.1	10.0	1	ug/L	93762		07/12/05	med
	Silver (Ag), Diss.	1.1	U	1.1	10.0	1	ug/L	93828		07/13/05	med
	Sodium (Na)	16900		10.6	5000	1	ug/L	93762		07/12/05	med
	Sodium (Na), Diss.	15500		10.6	5000	1	ug/L	93828		07/13/05	med
	Thallium (Tl)	2.9	U	2.9	10.0	1	ug/L	93762		07/12/05	med
	Thallium (Tl), Diss.	2.9	U	2.9	10.0	1	ug/L	93828		07/13/05	med
	Vanadium (V)	2.0	U	2.0	50.0	1	ug/L	93762		07/12/05	med
	Vanadium (V), Diss.	2.0	U	2.0	50.0	1	ug/L	93828		07/13/05	med
	Zinc (Zn)	119		2.5	20.0	1	ug/L	93762		07/12/05	med
	Zinc (Zn), Diss.	14.0	B	2.5	20.0	1	ug/L	93828		07/13/05	med

36 of 82

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 249239

Date: 07/19/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW 234S
Date Sampled.....: 06/21/2005
Time Sampled.....: 14:16
Sample Matrix.....: Water

Laboratory Sample ID: 249239-4
Date Received.....: 06/21/2005
Time Received.....: 15:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	BATCH	DT	DATE	TECH
EPA 245.1	Mercury (Hg)	0.16	U		0.20	1	ug/L	93036		06/28/05	lms
EPA 245.1	Mercury (Hg), Diss.	0.16	U		0.20	1	ug/L	93036		06/28/05	lms
EPA 200.7	Hardness by calculation Hardness, Total as CaCO3 Hardness, Total as CaCO3, Diss.	338 343			2.50 2.50	1 1	mg/L mg/L	93933 93927		07/12/05 07/13/05	med med
EPA 200.7	Metals Analysis (ICP)										
	Aluminum (Al)	360	*	10.4	200	1	ug/L	93762		07/12/05	med
	Aluminum (Al), Diss.	10.4	U	10.4	200	1	ug/L	93828		07/13/05	med
	Antimony (Sb)	2.5	U	2.5	60.0	1	ug/L	93762		07/12/05	med
	Antimony (Sb), Diss.	2.5	U	2.5	60.0	1	ug/L	93828		07/13/05	med
	Arsenic (As)	10.5		3.1	10.0	1	ug/L	93762		07/12/05	med
	Arsenic (As), Diss.	11.3		3.1	10.0	1	ug/L	93828		07/13/05	med
	Barium (Ba)	80.3	B	7.1	200	1	ug/L	93762		07/12/05	med
	Barium (Ba), Diss.	70.1	B	7.1	200	1	ug/L	93828		07/13/05	med
	Beryllium (Be)	0.40	U	0.40	5.0	1	ug/L	93762		07/12/05	med
	Beryllium (Be), Diss.	0.40	U	0.40	5.0	1	ug/L	93828		07/13/05	med
	Boron (B)	13.8	B	3.7	50.0	1	ug/L	93762		07/12/05	med
	Boron (B), Diss.	12.6	B	3.7	50.0	1	ug/L	93828		07/13/05	med
	Cadmium (Cd)	0.80	U	0.80	5.0	1	ug/L	93762		07/12/05	med
	Cadmium (Cd), Diss.	0.80	U	0.80	5.0	1	ug/L	93828		07/13/05	med
	Calcium (Ca)	104000		58.0	5000	1	ug/L	93762		07/12/05	med
	Calcium (Ca), Diss.	107000		58.0	5000	1	ug/L	93828		07/13/05	med
	Chromium (Cr)	2.4	B	0.90	10.0	1	ug/L	93762		07/12/05	med
	Chromium (Cr), Diss.	0.96	B	0.90	10.0	1	ug/L	93828		07/13/05	med
	Cobalt (Co)	1.9	U	1.9	50.0	1	ug/L	93762		07/12/05	med

37 of 82

37 of 82

* In Description = Dry Wgt.

Job Number: 249239

Customer: C&S Engineers

LABORATORY TEST RESULTS

Date: 07/19/2005

ATTN: Christen Craig

PROJECT: OCLF, GOSHEN, NEW YORK

Customer Sample ID: MW 234S

Date Sampled: 06/21/2005

Time Sampled: 14:16

Sample Matrix: Water

Laboratory Sample ID: 249239-4

Date Received: 06/21/2005

Time Received: 15:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	BATCH	DATE	TECH
	Cobalt (Co), Diss.	1.9	U	1.9	50.0	1	ug/L	93828	07/13/05	mad
	Copper (Cu)	3.9	B	1.2	25.0	1	ug/L	93762	07/12/05	mad
	Copper (Cu), Diss.	1.2	U	1.2	25.0	1	ug/L	93828	07/13/05	mad
	Iron (Fe)	809	*	7.7	100	1	ug/L	93762	07/12/05	mad
	Iron (Fe), Diss.	22.1	B	7.7	100	1	ug/L	93828	07/13/05	mad
	Lead (Pb)	4.5	B	1.9	5.0	1	ug/L	93762	07/12/05	mad
	Lead (Pb), Diss.	1.9	U	1.9	5.0	1	ug/L	93828	07/13/05	mad
	Magnesium (Mg)	19000		16.6	5000	1	ug/L	93762	07/12/05	mad
	Magnesium (Mg), Diss.	18800		16.6	5000	1	ug/L	93828	07/13/05	mad
	Manganese (Mn)	637	*	2.1	10.0	1	ug/L	93762	07/12/05	mad
	Manganese (Mn), Diss.	409		2.1	10.0	1	ug/L	93828	07/13/05	mad
	Nickel (Ni)	2.3	U	2.3	40.0	1	ug/L	93762	07/12/05	mad
	Nickel (Ni), Diss.	2.3	U	2.3	40.0	1	ug/L	93828	07/13/05	mad
	Potassium (K)	1290	B	38.6	5000	1	ug/L	93762	07/12/05	mad
	Potassium (K), Diss.	1050	B	38.6	5000	1	ug/L	93828	07/13/05	mad
	Selenium (Se)	3.9	U	3.9	10.0	1	ug/L	93762	07/12/05	mad
	Selenium (Se), Diss.	3.9	U	3.9	10.0	1	ug/L	93828	07/13/05	mad
	Silver (Ag)	3.6	B	1.1	10.0	1	ug/L	93762	07/12/05	mad
	Silver (Ag), Diss.	1.4	B	1.1	10.0	1	ug/L	93828	07/13/05	mad
	Sodium (Na)	4750	B	10.6	5000	1	ug/L	93762	07/12/05	mad
	Sodium (Na), Diss.	3500	B	10.6	5000	1	ug/L	93828	07/13/05	mad
	Thallium (Tl)	2.9	U	2.9	10.0	1	ug/L	93762	07/12/05	mad
	Thallium (Tl), Diss.	3.1	B	2.9	10.0	1	ug/L	93828	07/13/05	mad
	Vanadium (V)	2.0	U	2.0	50.0	1	ug/L	93762	07/12/05	mad
	Vanadium (V), Diss.	2.0	U	2.0	50.0	1	ug/L	93828	07/13/05	mad
	Zinc (Zn)	86.1	U	2.5	20.0	1	ug/L	93762	07/12/05	mad
	Zinc (Zn), Diss.	4.6	B	2.5	20.0	1	ug/L	93828	07/13/05	mad

38 of 82

* In Description = Dry Wgt.

LABORATORY TEST RESULTS											
Job Number: 249239						Data: 07/19/2005					
CUSTOMER: C&S Engineers						ATTN: Christen Craig					
Customer Sample ID: MW 2335 Date Sampled.....: 06/21/2005 Time Sampled.....: 14:16 Sample Matrix.....: Water						Laboratory Sample ID: 249239-5 Date Received.....: 06/21/2005 Time Received.....: 15:50					
PROJECT: OCLF, GOSHEN, NEW YORK											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	BATCH	DT	DATE	TECH
EPA 245.1	Mercury (Hg)	0.16	U	0.16	0.20	1	ug/L	93036		06/28/05	Lms
EPA 245.1	Mercury (Hg), Diss.	0.16	U	0.16	0.20	1	ug/L	93036		06/28/05	Lms
EPA 200.7	Hardness by calculation Hardness, Total as CaCO3 Hardness, Total as CaCO3, Diss.	333 333			2.50 2.50	1 1	mg/L mg/L	93933 93927		07/12/05 07/13/05	mad mad
EPA 200.7	Metals Analysis (ICP)										
	Aluminum (Al)	294	*	10.4	200	1	ug/L	93762		07/12/05	mad
	Aluminum (Al), Diss.	10.4	U	10.4	200	1	ug/L	93828		07/13/05	mad
	Antimony (Sb)	2.5	U	2.5	60.0	1	ug/L	93762		07/12/05	mad
	Antimony (Sb), Diss.	2.5	U	2.5	60.0	1	ug/L	93828		07/13/05	mad
	Arsenic (As)	3.1	U	3.1	10.0	1	ug/L	93762		07/12/05	mad
	Arsenic (As), Diss.	5.2	B	3.1	10.0	1	ug/L	93828		07/13/05	mad
	Barium (Ba)	66.4	B	7.1	200	1	ug/L	93762		07/12/05	mad
	Barium (Ba), Diss.	46.8	B	7.1	200	1	ug/L	93828		07/13/05	mad
	Beryllium (Be)	0.40	U	0.40	5.0	1	ug/L	93762		07/12/05	mad
	Beryllium (Be), Diss.	0.40	U	0.40	5.0	1	ug/L	93828		07/13/05	mad
	Boron (B)	15.1	B	3.7	50.0	1	ug/L	93762		07/12/05	mad
	Boron (B), Diss.	12.2	B	3.7	50.0	1	ug/L	93828		07/13/05	mad
	Cadmium (Cd)	0.80	U	0.80	5.0	1	ug/L	93762		07/12/05	mad
	Cadmium (Cd), Diss.	0.80	U	0.80	5.0	1	ug/L	93828		07/13/05	mad
	Calcium (Ca)	104000	U	58.0	5000	1	ug/L	93762		07/12/05	mad
	Calcium (Ca), Diss.	97900	U	58.0	5000	1	ug/L	93828		07/13/05	mad
	Chromium (Cr)	2.1	B	0.90	10.0	1	ug/L	93762		07/12/05	mad
	Chromium (Cr), Diss.	1.1	B	0.90	10.0	1	ug/L	93828		07/13/05	mad
	Cobalt (Co)	1.9	U	1.9	50.0	1	ug/L	93762		07/12/05	mad

39 of 82

39 of 82

* In Description = Dry Wgt.

LABORATORY TEST RESULTS											
Job Number: 249239		Date:07/19/2005									
CUSTOMER: C&S Engineers		ATTN: Christen Craig									
Customer Sample ID: MW 233S		Laboratory Sample ID: 249239-5									
Date Sampled.....: 06/21/2005		Date Received.....: 06/21/2005									
Time Sampled.....: 14:16		Time Received.....: 15:50									
Sample Matrix.....: Water											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	BATCH	OT	DATE	TECH
	Cobalt (Co), Diss.	1.9	U	1.9	50.0	1	ug/L	93828		07/13/05	mad
	Copper (Cu)	12.3	B	1.2	25.0	1	ug/L	93762		07/12/05	mad
	Copper (Cu), Diss.	1.2	U	1.2	25.0	1	ug/L	93828		07/13/05	mad
	Iron (Fe)	688		7.7	100	1	ug/L	93762		07/12/05	mad
	Iron (Fe), Diss.	7.7	U	7.7	100	1	ug/L	93828		07/13/05	mad
	Lead (Pb)	2.1	B	1.9	5.0	1	ug/L	93762		07/12/05	mad
	Lead (Pb), Diss.	1.9	U	1.9	5.0	1	ug/L	93828		07/13/05	mad
	Magnesium (Mg)	22800		16.6	5000	1	ug/L	93762		07/12/05	mad
	Magnesium (Mg), Diss.	21400		16.6	5000	1	ug/L	93828		07/13/05	mad
	Manganese (Mn)	2010		2.1	10.0	1	ug/L	93762		07/12/05	mad
	Manganese (Mn), Diss.	7.7	B	2.1	10.0	1	ug/L	93828		07/13/05	mad
	Nickel (Ni)	2.4	B	2.3	40.0	1	ug/L	93762		07/12/05	mad
	Nickel (Ni), Diss.	2.3	U	2.3	40.0	1	ug/L	93828		07/13/05	mad
	Potassium (K)	1900	B	38.6	5000	1	ug/L	93762		07/12/05	mad
	Potassium (K), Diss.	1650	B	38.6	5000	1	ug/L	93828		07/13/05	mad
	Selenium (Se)	3.9	U	3.9	10.0	1	ug/L	93762		07/12/05	mad
	Selenium (Se), Diss.	3.9	U	3.9	10.0	1	ug/L	93828		07/13/05	mad
	Silver (Ag)	3.1	B	1.1	10.0	1	ug/L	93762		07/12/05	mad
	Silver (Ag), Diss.	1.1	U	1.1	10.0	1	ug/L	93828		07/13/05	mad
	Sodium (Na)	3350	B	10.6	5000	1	ug/L	93762		07/12/05	mad
	Sodium (Na), Diss.	2000	B	10.6	5000	1	ug/L	93828		07/13/05	mad
	Thallium (Tl)	2.9	U	2.9	10.0	1	ug/L	93762		07/12/05	mad
	Thallium (Tl), Diss.	2.9	U	2.9	10.0	1	ug/L	93828		07/13/05	mad
	Vanadium (V)	2.0	U	2.0	50.0	1	ug/L	93762		07/12/05	mad
	Vanadium (V), Diss.	2.0	U	2.0	50.0	1	ug/L	93828		07/13/05	mad
	Zinc (Zn)	92.0	U	2.5	20.0	1	ug/L	93762		07/12/05	mad
	Zinc (Zn), Diss.	3.8	B	2.5	20.0	1	ug/L	93828		07/13/05	mad

40 of 82

* In Description = Dry Wgt.

LABORATORY TEST RESULTS											
Job Number: 249239		Date: 07/19/2005									
CUSTOMER: C&S Engineers		PROJECT: OCLF, GOSHEN, NEW YORK									
		ATTN: Christen Craig									
Customer Sample ID: MW 222 Date Sampled.....: 06/21/2005 Time Sampled.....: 14:16 Sample Matrix.....: Water		Laboratory Sample ID: 249239-6 Date Received.....: 06/21/2005 Time Received.....: 15:50									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	BATCH	DT	DATE	TECH
EPA 245.1	Mercury (Hg)	0.16	U	0.16	0.20	1	ug/L	93036		06/28/05	lms
EPA 245.1	Mercury (Hg), Diss.	0.16	U	0.16	0.20	1	ug/L	93036		06/28/05	lms
EPA 200.7	Hardness by calculation Hardness, Total as CaCO3 Hardness, Total as CaCO3, Diss.	825 825			2.50 2.50	1 1	mg/L mg/L	93933 93927		07/12/05 07/13/05	mad mad
EPA 200.7	Metals Analysis (ICP)										
	Aluminum (Al)	11.1	B	10.4	200	1	ug/L	93762		07/12/05	mad
	Aluminum (Al), Diss.	10.4	U	10.4	200	1	ug/L	93828		07/13/05	mad
	Antimony (Sb)	2.5	U	2.5	60.0	1	ug/L	93762		07/12/05	mad
	Antimony (Sb), Diss.	2.5	U	2.5	60.0	1	ug/L	93828		07/13/05	mad
	Arsenic (As)	20.5		3.1	10.0	1	ug/L	93762		07/12/05	mad
	Arsenic (As), Diss.	11.0		3.1	10.0	1	ug/L	93828		07/13/05	mad
	Barium (Ba)	790		7.1	200	1	ug/L	93762		07/12/05	mad
	Barium (Ba), Diss.	845		7.1	200	1	ug/L	93828		07/13/05	mad
	Beryllium (Be)	0.40	U	0.40	5.0	1	ug/L	93762		07/12/05	mad
	Beryllium (Be), Diss.	0.40	U	0.40	5.0	1	ug/L	93828		07/13/05	mad
	Boron (B)	254		3.7	50.0	1	ug/L	93762		07/12/05	mad
	Boron (B), Diss.	282		3.7	50.0	1	ug/L	93828		07/13/05	mad
	Cadmium (Cd)	0.80	U	0.80	5.0	1	ug/L	93762		07/12/05	mad
	Cadmium (Cd), Diss.	0.80	U	0.80	5.0	1	ug/L	93828		07/13/05	mad
	Calcium (Ca)	244000		58.0	5000	1	ug/L	93762		07/12/05	mad
	Calcium (Ca), Diss.	245000		58.0	5000	1	ug/L	93828		07/13/05	mad
	Chromium (Cr)	0.90	U	0.90	10.0	1	ug/L	93762		07/12/05	mad
	Chromium (Cr), Diss.	0.90	U	0.90	10.0	1	ug/L	93828		07/13/05	mad
	Cobalt (Co)	1.9	U	1.9	50.0	1	ug/L	93762		07/12/05	mad

41 of 82

41 of 82

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 249239

Date: 07/19/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW 222

Date Sampled: 06/21/2005

Time Sampled: 14:16

Sample Matrix: Water

Laboratory Sample ID: 249239-6

Date Received: 06/21/2005

Time Received: 15:50

TEST METHOD

PARAMETER/TEST DESCRIPTION

SAMPLE RESULT

Q FLAGS

IOU

RL

DILUTION

UNITS

BATCH

IDT

DATE

TECH

Cobalt (Co), Diss.

Copper (Cu)

Copper (Cu), Diss.

Iron (Fe)

Iron (Fe), Diss.

Lead (Pb)

Lead (Pb), Diss.

Magnesium (Mg)

Magnesium (Mg), Diss.

Manganese (Mn)

Manganese (Mn), Diss.

Nickel (Ni)

Nickel (Ni), Diss.

Potassium (K)

Potassium (K), Diss.

Selenium (Se)

Selenium (Se), Diss.

Silver (Ag)

Silver (Ag), Diss.

Sodium (Na)

Sodium (Na), Diss.

Thallium (Tl)

Thallium (Tl), Diss.

Vanadium (V)

Vanadium (V), Diss.

Zinc (Zn)

Zinc (Zn), Diss.

1.9

8.8

1.2

53100

35700

8.6

8.9

52600

51700

379

380

8.5

6.5

7800

8510

3.9

3.9

4.8

2.3

75100

77400

2.9

4.0

2.5

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42 of 82

* In Description = Dry Wgt.

LABORATORY TEST RESULTS											
Job Number: 249239			Date: 07/19/2005								
CUSTOMER: C&S Engineers			ATTN: Christen Craig								
PROJECT: OGELF, BOSKEN, NEW YORK											
Customer Sample ID: MW 230S Date Sampled.....: 06/21/2005 Time Sampled.....: 14:16 Sample Matrix.....: Water			Laboratory Sample ID: 249239-7 Date Received.....: 06/21/2005 Time Received.....: 15:50								
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	BATCH	DT	DATE	TECH
EPA 245.1	Mercury (Hg)	0.16	U	0.16	0.20	1	ug/L	93036		06/28/05	lms
EPA 245.1	Mercury (Hg), Diss.	0.16	U	0.16	0.20	1	ug/L	93036		06/28/05	lms
EPA 200.7	Hardness by calculation Hardness, Total as CaCO3 Hardness, Total as CaCO3, Diss.	163 159			2.50 2.50	1 1	mg/L mg/L	93933 93927		07/12/05 07/13/05	mad mad
EPA 200.7	Metals Analysis (ICP)										
	Aluminum (Al)	183	B	10.4	200	1	ug/L	93762		07/12/05	mad
	Aluminum (Al), Diss.	10.4	U	10.4	200	1	ug/L	93828		07/13/05	mad
	Antimony (Sb)	2.5	U	2.5	60.0	1	ug/L	93762		07/12/05	mad
	Antimony (Sb), Diss.	2.5	U	2.5	60.0	1	ug/L	93828		07/13/05	mad
	Arsenic (As)	5.7	B	3.1	10.0	1	ug/L	93762		07/12/05	mad
	Arsenic (As), Diss.	6.6	B	3.1	10.0	1	ug/L	93828		07/13/05	mad
	Barium (Ba)	65.8	B	7.1	200	1	ug/L	93762		07/12/05	mad
	Barium (Ba), Diss.	59.7	B	7.1	200	1	ug/L	93828		07/13/05	mad
	Beryllium (Be)	0.40	U	0.40	5.0	1	ug/L	93762		07/12/05	mad
	Beryllium (Be), Diss.	0.40	U	0.40	5.0	1	ug/L	93828		07/13/05	mad
	Boron (B)	13.6	B	3.7	50.0	1	ug/L	93762		07/12/05	mad
	Boron (B), Diss.	10.4	B	3.7	50.0	1	ug/L	93828		07/13/05	mad
	Cadmium (Cd)	0.80	U	0.80	5.0	1	ug/L	93762		07/12/05	mad
	Cadmium (Cd), Diss.	0.80	U	0.80	5.0	1	ug/L	93828		07/13/05	mad
	Calcium (Ca)	50700		58.0	5000	1	ug/L	93762		07/12/05	mad
	Calcium (Ca), Diss.	49700		58.0	5000	1	ug/L	93828		07/13/05	mad
	Chromium (Cr)	1.6	B	0.90	10.0	1	ug/L	93762		07/12/05	mad
	Chromium (Cr), Diss.	0.90	U	0.90	10.0	1	ug/L	93828		07/13/05	mad
	Cobalt (Co)	1.9	U	1.9	50.0	1	ug/L	93762		07/12/05	mad

43 of 82

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 249239

Date: 07/19/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW 230S
Date Sampled: 06/21/2005
Time Sampled: 14:16
Sample Matrix: Water

Laboratory Sample ID: 249239-7
Date Received: 06/21/2005
Time Received: 15:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	IDL	RL	DILUTION	UNITS	BATCH	DT	DATE	TECH
44 of 82	Cobalt (Co), Diss.	1.9	U		1.9	50.0	1	ug/L	93828		07/13/05	mad
	Copper (Cu)	3.6	B		1.2	25.0	1	ug/L	93762		07/12/05	mad
	Copper (Cu), Diss.	1.2	U		1.2	25.0	1	ug/L	93828		07/13/05	mad
	Iron (Fe)	454		*	7.7	100	1	ug/L	93762		07/12/05	mad
	Iron (Fe), Diss.	24.1	B		7.7	100	1	ug/L	93828		07/13/05	mad
	Lead (Pb)	1.9	U		1.9	5.0	1	ug/L	93762		07/12/05	mad
	Lead (Pb), Diss.	1.9	U	N	1.9	5.0	1	ug/L	93828		07/13/05	mad
	Magnesium (Mg)	8790			16.6	5000	1	ug/L	93762		07/12/05	mad
	Magnesium (Mg), Diss.	8490			16.6	5000	1	ug/L	93828		07/13/05	mad
	Manganese (Mn)	40.6		*	2.1	10.0	1	ug/L	93762		07/12/05	mad
	Manganese (Mn), Diss.	2.1	U		2.1	10.0	1	ug/L	93828		07/13/05	mad
	Nickel (Ni)	2.3	U		2.3	40.0	1	ug/L	93762		07/12/05	mad
	Nickel (Ni), Diss.	2.3	U		2.3	40.0	1	ug/L	93828		07/13/05	mad
	Potassium (K)	2400		E	38.6	5000	1	ug/L	93762		07/12/05	mad
	Potassium (K), Diss.	2260	B	E	38.6	5000	1	ug/L	93828		07/13/05	mad
	Selenium (Se)	3.9	U	N	3.9	10.0	1	ug/L	93762		07/12/05	mad
	Selenium (Se), Diss.	3.9	U	N	3.9	10.0	1	ug/L	93828		07/13/05	mad
	Silver (Ag)	2.7	B	N	1.1	10.0	1	ug/L	93762		07/12/05	mad
	Silver (Ag), Diss.	1.1	U	N	1.1	10.0	1	ug/L	93828		07/13/05	mad
	Sodium (Na)	10900			10.6	5000	1	ug/L	93762		07/12/05	mad
	Sodium (Na), Diss.	9600			10.6	5000	1	ug/L	93828		07/13/05	mad
	Thallium (Tl)	2.9	U		2.9	10.0	1	ug/L	93762		07/12/05	mad
	Thallium (Tl), Diss.	2.9	U		2.9	10.0	1	ug/L	93828		07/13/05	mad
	Vanadium (V)	2.0	U		2.0	50.0	1	ug/L	93762		07/12/05	mad
	Vanadium (V), Diss.	2.0	U		2.0	50.0	1	ug/L	93828		07/13/05	mad
	Zinc (Zn)	82.9			2.5	20.0	1	ug/L	93762		07/12/05	mad
	Zinc (Zn), Diss.	2.5	U		2.5	20.0	1	ug/L	93828		07/13/05	mad

* In Description = Dry Wgt.

LABORATORY TEST RESULTS											
Job Number: 249239			Date: 07/19/2005								
CUSTOMER: C&S Engineers			PROJECT: QCLF, GOSHEN, NEW YORK								
Customer Sample ID: MW 2300 Date Sampled.....: 06/21/2005 Time Sampled.....: 14:16 Sample Matrix.....: Water			Laboratory Sample ID: 249239-8 Date Received.....: 06/21/2005 Time Received.....: 15:50								
ATTN: Christen Craig											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	BATCH	DT	DATE	TECH
EPA 245.1	Mercury (Hg)	0.16	U	0.16	0.20	1	ug/L	93036		06/28/05	lms
EPA 245.1	Mercury (Hg), Diss.	0.16	U	0.16	0.20	1	ug/L	93036		06/28/05	lms
EPA 200.7	Hardness by calculation Hardness, Total as CaCO3 Hardness, Total as CaCO3, Diss.	86.8 84.7			2.50 2.50	1 1	mg/L mg/L	93933 93927		07/12/05 07/13/05	mad mad
EPA 200.7	Metals Analysis (ICP)										
	Aluminum (Al)	118	B	10.4	200	1	ug/L	93762		07/12/05	mad
	Aluminum (Al), Diss.	10.4	U	10.4	200	1	ug/L	93828		07/13/05	mad
	Antimony (Sb)	2.5	U	2.5	60.0	1	ug/L	93762		07/12/05	mad
	Antimony (Sb), Diss.	2.5	U	2.5	60.0	1	ug/L	93828		07/13/05	mad
	Arsenic (As)	3.1	U	3.1	10.0	1	ug/L	93762		07/12/05	mad
	Arsenic (As), Diss.	5.9	B	3.1	10.0	1	ug/L	93828		07/13/05	mad
	Barium (Ba)	56.6	B	7.1	200	1	ug/L	93762		07/12/05	mad
	Barium (Ba), Diss.	49.1	B	7.1	200	1	ug/L	93828		07/13/05	mad
	Beryllium (Be)	0.40	U	0.40	5.0	1	ug/L	93762		07/12/05	mad
	Beryllium (Be), Diss.	0.40	U	0.40	5.0	1	ug/L	93828		07/13/05	mad
	Boron (B)	85.8	U	3.7	50.0	1	ug/L	93762		07/12/05	mad
	Boron (B), Diss.	78.5	U	3.7	50.0	1	ug/L	93828		07/13/05	mad
	Cadmium (Cd)	0.80	U	0.80	5.0	1	ug/L	93762		07/12/05	mad
	Cadmium (Cd), Diss.	0.80	U	0.80	5.0	1	ug/L	93828		07/13/05	mad
	Calcium (Ca)	24500		58.0	5000	1	ug/L	93762		07/12/05	mad
	Calcium (Ca), Diss.	24000		58.0	5000	1	ug/L	93828		07/13/05	mad
	Chromium (Cr)	0.90	U	0.90	10.0	1	ug/L	93762		07/12/05	mad
	Chromium (Cr), Diss.	0.90	U	0.90	10.0	1	ug/L	93828		07/13/05	mad
	Cobalt (Co)	1.9	U	1.9	50.0	1	ug/L	93762		07/12/05	mad

45 of 82

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 249239

Date: 07/19/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW 2300
Date Sampled.....: 06/21/2005
Time Sampled.....: 14:16
Sample Matrix.....: Water

Laboratory Sample ID: 249239-8
Date Received.....: 06/21/2005
Time Received.....: 15:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	IDL	RL	DILUTION	UNITS	BATCH	DT	DATE	TECH
	Cobalt (Co), Diss.	1.9	U		1.9	50.0	1	ug/L	93828		07/13/05	mad
	Copper (Cu)	10.2	B		1.2	25.0	1	ug/L	93762		07/12/05	mad
	Copper (Cu), Diss.	1.2	U		1.2	25.0	1	ug/L	93828		07/13/05	mad
	Iron (Fe)	422		*	7.7	100	1	ug/L	93762		07/12/05	mad
	Iron (Fe), Diss.	7.7	U		7.7	100	1	ug/L	93828		07/13/05	mad
	Lead (Pb)	2.7	B		1.9	5.0	1	ug/L	93762		07/12/05	mad
	Lead (Pb), Diss.	1.9	U	N	1.9	5.0	1	ug/L	93828		07/13/05	mad
	Magnesium (Mg)	6230			16.6	5000	1	ug/L	93762		07/12/05	mad
	Magnesium (Mg), Diss.	6010			16.6	5000	1	ug/L	93828		07/13/05	mad
	Manganese (Mn)	103			2.1	10.0	1	ug/L	93762		07/12/05	mad
	Manganese (Mn), Diss.	2.3	B	*	2.1	10.0	1	ug/L	93828		07/13/05	mad
	Nickel (Ni)	2.5	B		2.3	40.0	1	ug/L	93762		07/12/05	mad
	Nickel (Ni), Diss.	2.3	U		2.3	40.0	1	ug/L	93828		07/13/05	mad
	Potassium (K)	1210	B	E	38.6	5000	1	ug/L	93762		07/12/05	mad
	Potassium (K), Diss.	997	B	E	38.6	5000	1	ug/L	93828		07/13/05	mad
	Selenium (Se)	3.9	U	N	3.9	10.0	1	ug/L	93762		07/12/05	mad
	Selenium (Se), Diss.	3.4	U	N	1.1	10.0	1	ug/L	93828		07/13/05	mad
	Silver (Ag)	1.1	U	N	1.1	10.0	1	ug/L	93762		07/12/05	mad
	Silver (Ag), Diss.	23200			10.6	5000	1	ug/L	93828		07/13/05	mad
	Sodium (Na)	21800			10.6	5000	1	ug/L	93762		07/12/05	mad
	Sodium (Na), Diss.	2.9	U		2.9	10.0	1	ug/L	93828		07/13/05	mad
	Thallium (Tl)	2.9	U		2.9	10.0	1	ug/L	93762		07/12/05	mad
	Thallium (Tl), Diss.	2.0	U		2.0	50.0	1	ug/L	93828		07/13/05	mad
	Vanadium (V)	2.0	U		2.0	50.0	1	ug/L	93762		07/12/05	mad
	Vanadium (V), Diss.	115			2.5	20.0	1	ug/L	93828		07/13/05	mad
	Zinc (Zn)	13.6	B		2.5	20.0	1	ug/L	93762		07/12/05	mad
	Zinc (Zn), Diss.				2.5	20.0	1	ug/L	93828		07/13/05	mad

46 of 82

LABORATORY TEST RESULTS

Job Number: 249239

Date: 07/19/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW 232S
Date Sampled.....: 06/21/2005
Time Sampled.....: 14:16
Sample Matrix.....: Water

Laboratory Sample ID: 249239-9
Date Received.....: 06/21/2005
Time Received.....: 15:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	IDL	RL	DILUTION	UNITS	BATCH	OT	DATE	TECH
EPA 245.1	Mercury (Hg)	0.16	U		0.16	0.20	1	ug/L	93036		06/28/05	lms
EPA 245.1	Mercury (Hg), Diss.	0.16	U		0.16	0.20	1	ug/L	93036		06/28/05	lms
EPA 200.7	Hardness by calculation Hardness, Total as CaCO3 Hardness, Total as CaCO3, Diss.	200 191				2.50 2.50	1 1	mg/L mg/L	93933 93927		07/12/05 07/13/05	mad mad
EPA 200.7	Metals Analysis (ICP)											
	Aluminum (Al)	182	B	*	10.4	200	1	ug/L	93762		07/12/05	mad
	Aluminum (Al), Diss.	10.4	U		10.4	200	1	ug/L	93828		07/13/05	mad
	Antimony (Sb)	2.5	U		2.5	60.0	1	ug/L	93762		07/12/05	mad
	Antimony (Sb), Diss.	2.5	U	N	2.5	60.0	1	ug/L	93828		07/13/05	mad
	Arsenic (As)	4.5	B		3.1	10.0	1	ug/L	93762		07/12/05	mad
	Arsenic (As), Diss.	3.1	U		3.1	10.0	1	ug/L	93828		07/13/05	mad
	Barium (Ba)	24.7	U		7.1	200	1	ug/L	93762		07/12/05	mad
	Barium (Ba), Diss.	10.8	B		7.1	200	1	ug/L	93828		07/13/05	mad
	Beryllium (Be)	0.40	U		0.40	5.0	1	ug/L	93762		07/12/05	mad
	Beryllium (Be), Diss.	0.40	U		0.40	5.0	1	ug/L	93828		07/13/05	mad
	Boron (B)	11.6	B		3.7	50.0	1	ug/L	93762		07/12/05	mad
	Boron (B), Diss.	7.8	B		3.7	50.0	1	ug/L	93828		07/13/05	mad
	Cadmium (Cd)	0.80	U		0.80	5.0	1	ug/L	93762		07/12/05	mad
	Cadmium (Cd), Diss.	0.80	U		0.80	5.0	1	ug/L	93828		07/13/05	mad
	Calcium (Ca)	49200			58.0	5000	1	ug/L	93762		07/12/05	mad
	Calcium (Ca), Diss.	47000			58.0	5000	1	ug/L	93828		07/13/05	mad
	Chromium (Cr)	1.8	B		0.90	10.0	1	ug/L	93762		07/12/05	mad
	Chromium (Cr), Diss.	0.90	U		0.90	10.0	1	ug/L	93828		07/13/05	mad
	Cobalt (Co)	1.9	U		1.9	50.0	1	ug/L	93762		07/12/05	mad

47 of 82

47 of 82

* In Description = Dry Wgt.

Date:07/19/2005

LABORATORY TEST RESULTS

Job Number: 249239

CUSTOMER: CAS Engineers

PROJECT: OCLF, GOSHEN, NEW YOR

ATTN: Christen Craig

Customer Sample ID: MW 232S

Date Sampled.....: 06/21/2005

Time Sampled.....: 14:16

Sample Matrix.....: Water

Laboratory Sample ID: 249239-9

Date Received.....: 06/21/2005

Time Received.....: 15:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	IDL	RL	DILUTION	UNITS	BATCH	DT	DATE	TECH
	Cobalt (Co), Diss.	1.9	U		1.9	50.0	1	ug/L	93828		07/13/05	mad
	Copper (Cu)	6.6	B		1.2	25.0	1	ug/L	93762		07/12/05	mad
	Copper (Cu), Diss.	1.8	B		1.2	25.0	1	ug/L	93828		07/13/05	mad
	Iron (Fe)	5900		*	7.7	100	1	ug/L	93762		07/12/05	mad
	Iron (Fe), Diss.	44.7	B		7.7	100	1	ug/L	93828		07/13/05	mad
	Lead (Pb)	1.9	U		1.9	5.0	1	ug/L	93762		07/12/05	mad
	Lead (Pb), Diss.	1.9	U		1.9	5.0	1	ug/L	93828		07/13/05	mad
	Magnesium (Mg)	18800			16.6	5000	1	ug/L	93762		07/12/05	mad
	Magnesium (Mg), Diss.	18000			16.6	5000	1	ug/L	93828		07/13/05	mad
	Manganese (Mn)	366		*	2.1	10.0	1	ug/L	93762		07/12/05	mad
	Manganese (Mn), Diss.	2.6	B		2.1	10.0	1	ug/L	93828		07/13/05	mad
	Nickel (Ni)	2.5	B		2.3	40.0	1	ug/L	93762		07/12/05	mad
	Nickel (Ni), Diss.	2.3	U		2.3	40.0	1	ug/L	93828		07/13/05	mad
	Potassium (K)	3660		E	38.6	5000	1	ug/L	93762		07/12/05	mad
	Potassium (K), Diss.	3490	B		38.6	5000	1	ug/L	93828		07/13/05	mad
	Selenium (Se)	3.9	U		3.9	10.0	1	ug/L	93762		07/12/05	mad
	Selenium (Se), Diss.	3.9	U		3.9	10.0	1	ug/L	93828		07/13/05	mad
	Silver (Ag)	1.3	B		1.1	10.0	1	ug/L	93762		07/12/05	mad
	Silver (Ag), Diss.	1.1	U		1.1	10.0	1	ug/L	93828		07/13/05	mad
	Sodium (Na)	2970		N	10.6	5000	1	ug/L	93762		07/12/05	mad
	Sodium (Na), Diss.	1940	B		10.6	5000	1	ug/L	93828		07/13/05	mad
	Thallium (Tl)	2.9	U		2.9	10.0	1	ug/L	93762		07/12/05	mad
	Thallium (Tl), Diss.	2.9	U		2.9	10.0	1	ug/L	93828		07/13/05	mad
	Vanadium (V)	2.0	U		2.0	50.0	1	ug/L	93762		07/12/05	mad
	Vanadium (V), Diss.	2.0	U		2.0	50.0	1	ug/L	93828		07/13/05	mad
	Zinc (Zn)	113			2.5	20.0	1	ug/L	93762		07/12/05	mad
	Zinc (Zn), Diss.	11.3	B		2.5	20.0	1	ug/L	93828		07/13/05	mad

48 of 82

* In Description = Dry Wgt.

Job Number: 249239

LABORATORY TEST RESULTS

Date: 07/19/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW 245S

Date Sampled: 06/21/2005

Time Sampled: 14:16

Sample Matrix: Water

Laboratory Sample ID: 249239-10

Date Received: 06/21/2005

Time Received: 15:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	TOL	RL	DILUTION	UNITS	BATCH	DT	DATE	TECH
EPA 245.1	Mercury (Hg)	0.16	U	0.16	0.20	1	ug/L	93036		06/28/05	lms
EPA 245.1	Mercury (Hg), Diss.	0.16	U	0.16	0.20	1	ug/L	93036		06/28/05	lms
EPA 200.7	Hardness by calculation Hardness, Total as CaCO3 Hardness, Total as CaCO3, Diss.	415 404			2.50 2.50	1 1	mg/L mg/L	93933 93927		07/12/05 07/13/05	mad mad
EPA 200.7	Metals Analysis (ICP)										
	Aluminum (Al)	2800	*	10.4	200	1	ug/L	93762		07/12/05	mad
	Aluminum (Al), Diss.	10.4	U	10.4	200	1	ug/L	93828		07/13/05	mad
	Antimony (Sb)	2.5	U	2.5	60.0	1	ug/L	93762		07/12/05	mad
	Antimony (Sb), Diss.	2.5	U	2.5	60.0	1	ug/L	93828		07/13/05	mad
	Arsenic (As)	25.3	U	3.1	10.0	1	ug/L	93762		07/12/05	mad
	Arsenic (As), Diss.	13.0	U	3.1	10.0	1	ug/L	93828		07/13/05	mad
	Barium (Ba)	48.7	B	7.1	200	1	ug/L	93762		07/12/05	mad
	Barium (Ba), Diss.	33.3	B	7.1	200	1	ug/L	93828		07/13/05	mad
	Beryllium (Be)	0.40	U	0.40	5.0	1	ug/L	93762		07/12/05	mad
	Beryllium (Be), Diss.	0.40	U	0.40	5.0	1	ug/L	93828		07/13/05	mad
	Boron (B)	31.6	B	3.7	50.0	1	ug/L	93762		07/12/05	mad
	Boron (B), Diss.	27.3	B	3.7	50.0	1	ug/L	93828		07/13/05	mad
	Cadmium (Cd)	0.80	U	0.80	5.0	1	ug/L	93762		07/12/05	mad
	Cadmium (Cd), Diss.	0.80	U	0.80	5.0	1	ug/L	93828		07/13/05	mad
	Calcium (Ca)	122000	U	58.0	5000	1	ug/L	93762		07/12/05	mad
	Calcium (Ca), Diss.	120000	U	58.0	5000	1	ug/L	93828		07/13/05	mad
	Chromium (Cr)	5.0	B	0.90	10.0	1	ug/L	93762		07/12/05	mad
	Chromium (Cr), Diss.	1.1	B	0.90	10.0	1	ug/L	93828		07/13/05	mad
	Cobalt (Co)	1.9	U	1.9	50.0	1	ug/L	93762		07/12/05	mad

49 of 82

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 249239

Date: 07/19/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW 2455
Date Sampled.....: 06/21/2005
Time Sampled.....: 14:16
Sample Matrix.....: Water

Laboratory Sample ID: 249239-10
Date Received.....: 06/21/2005
Time Received.....: 15:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	IDL	RL	DILUTION	UNITS	BATCH	DT	DATE	TECH
	Cobalt (Co), Diss.	1.9	U		1.9	50.0	1	ug/L	93828		07/13/05	mad
	Copper (Cu)	5.7	B		1.2	25.0	1	ug/L	93762		07/12/05	mad
	Copper (Cu), Diss.	1.2	U		1.2	25.0	1	ug/L	93828		07/13/05	mad
	Iron (Fe)	4640		*	7.7	100	1	ug/L	93762		07/12/05	mad
	Iron (Fe), Diss.	168			7.7	100	1	ug/L	93828		07/13/05	mad
	Lead (Pb)	6.3			1.9	5.0	1	ug/L	93762		07/12/05	mad
	Lead (Pb), Diss.	2.3	B	N	1.9	5.0	1	ug/L	93828		07/13/05	mad
	Magnesium (Mg)	26900			16.6	5000	1	ug/L	93762		07/12/05	mad
	Magnesium (Mg), Diss.	25400			16.6	5000	1	ug/L	93828		07/13/05	mad
	Manganese (Mn)	1650		*	2.1	10.0	1	ug/L	93762		07/12/05	mad
	Manganese (Mn), Diss.	1510			2.1	10.0	1	ug/L	93828		07/13/05	mad
	Nickel (Ni)	2.8	B		2.3	40.0	1	ug/L	93762		07/12/05	mad
	Nickel (Ni), Diss.	2.3	U		2.3	40.0	1	ug/L	93828		07/13/05	mad
	Potassium (K)	2800	B	E	38.6	5000	1	ug/L	93762		07/12/05	mad
	Potassium (K), Diss.	1780	B	E	38.6	5000	1	ug/L	93828		07/13/05	mad
	Selenium (Se)	3.9	U	N	3.9	10.0	1	ug/L	93762		07/12/05	mad
	Selenium (Se), Diss.	3.9	U	N	3.9	10.0	1	ug/L	93828		07/13/05	mad
	Silver (Ag)	1.5	B	N	1.1	10.0	1	ug/L	93762		07/12/05	mad
	Silver (Ag), Diss.	12800	B	N	1.1	10.0	1	ug/L	93828		07/13/05	mad
	Sodium (Na)	11800			10.6	5000	1	ug/L	93762		07/12/05	mad
	Sodium (Na), Diss.	2.9	U		10.6	5000	1	ug/L	93828		07/13/05	mad
	Thallium (Tl)	2.9	U		2.9	10.0	1	ug/L	93762		07/12/05	mad
	Thallium (Tl), Diss.	4.9	B		2.9	10.0	1	ug/L	93828		07/13/05	mad
	Vanadium (V)	2.0	U		2.0	50.0	1	ug/L	93762		07/12/05	mad
	Vanadium (V), Diss.	80.9			2.0	50.0	1	ug/L	93828		07/13/05	mad
	Zinc (Zn)	10.8	B		2.5	20.0	1	ug/L	93762		07/12/05	mad
	Zinc (Zn), Diss.				2.5	20.0	1	ug/L	93828		07/13/05	mad

50 of 82

* In Description = Dry Wgt.

LABORATORY TEST RESULTS									
Job Number: 249239					Date: 07/19/2005				
CUSTOMER: C&S Engineers					ATTN: Christen Craig				
PROJECT: OCLF, GOSHEN, NEW YORK									

Customer Sample ID: MW 2450
Date Sampled.....: 06/21/2005
Time Sampled.....: 14:16
Sample Matrix.....: Water

Laboratory Sample ID: 249239-11
Date Received.....: 06/21/2005
Time Received.....: 15:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	BATCH	DT	DATE	TECH
EPA 245.1	Mercury (Hg)	0.16	U	0.16	0.20	1	ug/L	93036		06/28/05	lms
EPA 245.1	Mercury (Hg), Diss.	0.16	U	0.16	0.20	1	ug/L	93036		06/28/05	lms
EPA 200.7	Hardness by calculation Hardness, Total as CaCO3 Hardness, Total as CaCO3, Diss.	327 327			2.50 2.50	1 1	mg/L mg/L	93933 93927		07/12/05 07/13/05	med med
EPA 200.7	Metals Analysis (ICP)										
	Aluminum (Al)	53.4	B	10.4	200	1	ug/L	93762		07/12/05	med
	Aluminum (Al), Diss.	10.4	U	10.4	200	1	ug/L	93828		07/13/05	med
	Antimony (Sb)	2.5	U	2.5	60.0	1	ug/L	93762		07/12/05	med
	Antimony (Sb), Diss.	2.5	U	2.5	60.0	1	ug/L	93828		07/13/05	med
	Arsenic (As)	7.1	B	3.1	10.0	1	ug/L	93762		07/12/05	med
	Arsenic (As), Diss.	4.3	B	3.1	10.0	1	ug/L	93828		07/13/05	med
	Barium (Ba)	95.7	B	7.1	200	1	ug/L	93762		07/12/05	med
	Barium (Ba), Diss.	89.1	B	7.1	200	1	ug/L	93828		07/13/05	med
	Beryllium (Be)	0.40	U	0.40	5.0	1	ug/L	93762		07/12/05	med
	Beryllium (Be), Diss.	0.40	U	0.40	5.0	1	ug/L	93828		07/13/05	med
	Boron (B)	57.3	U	3.7	50.0	1	ug/L	93762		07/12/05	med
	Boron (B), Diss.	54.7	U	3.7	50.0	1	ug/L	93828		07/13/05	med
	Cadmium (Cd)	0.80	U	0.80	5.0	1	ug/L	93762		07/12/05	med
	Cadmium (Cd), Diss.	0.80	U	0.80	5.0	1	ug/L	93828		07/13/05	med
	Calcium (Ca)	83100		58.0	5000	1	ug/L	93762		07/12/05	med
	Calcium (Ca), Diss.	83400		58.0	5000	1	ug/L	93828		07/13/05	med
	Chromium (Cr)	2.5	B	0.90	10.0	1	ug/L	93762		07/12/05	med
	Chromium (Cr), Diss.	0.90	U	0.90	10.0	1	ug/L	93828		07/13/05	med
	Cobalt (Co)	1.9	U	1.9	50.0	1	ug/L	93762		07/12/05	med

51 of 82

51 of 82

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 249239

Date: 07/19/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: HW 245D
Date Sampled.....: 06/21/2005
Time Sampled.....: 14:16
Sample Matrix.....: Water

Laboratory Sample ID: 249239-11
Date Received.....: 06/21/2005
Time Received.....: 15:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	IDL	RL	DILUTION	UNITS	BATCH	DT	DATE	TECH
52 of 82	Cobalt (Co), Diss.	1.9	U		1.9	50.0	1	ug/L	93828		07/13/05	mad
	Copper (Cu)	3.4	B		1.2	25.0	1	ug/L	93762		07/12/05	mad
	Copper (Cu), Diss.	1.2	U		1.2	25.0	1	ug/L	93828		07/13/05	mad
	Iron (Fe)	1650		*	7.7	100	1	ug/L	93762		07/12/05	mad
	Iron (Fe), Diss.	7.7	U		7.7	100	1	ug/L	93828		07/13/05	mad
	Lead (Pb)	5.1			1.9	5.0	1	ug/L	93762		07/12/05	mad
	Lead (Pb), Diss.	1.9	U	N	1.9	5.0	1	ug/L	93828		07/13/05	mad
	Magnesium (Mg)	29000			16.6	5000	1	ug/L	93762		07/12/05	mad
	Magnesium (Mg), Diss.	28800		*	16.6	5000	1	ug/L	93828		07/13/05	mad
	Manganese (Mn)	196			2.1	10.0	1	ug/L	93762		07/12/05	mad
	Manganese (Mn), Diss.	185			2.1	10.0	1	ug/L	93828		07/13/05	mad
	Nickel (Ni)	2.3	U		2.3	40.0	1	ug/L	93762		07/12/05	mad
	Nickel (Ni), Diss.	2.3	U		2.3	40.0	1	ug/L	93828		07/13/05	mad
	Potassium (K)	6040		E	38.6	5000	1	ug/L	93762		07/12/05	mad
	Potassium (K), Diss.	6320		E	38.6	5000	1	ug/L	93828		07/13/05	mad
	Selenium (Se)	3.9	U	N	3.9	10.0	1	ug/L	93762		07/12/05	mad
	Selenium (Se), Diss.	2.2	B	N	1.1	10.0	1	ug/L	93828		07/13/05	mad
	Silver (Ag)	1.1	U	N	1.1	10.0	1	ug/L	93762		07/12/05	mad
	Silver (Ag), Diss.	76600			10.6	5000	1	ug/L	93828		07/13/05	mad
	Sodium (Na)	76100			10.6	5000	1	ug/L	93762		07/12/05	mad
	Sodium (Na), Diss.	2.9	U		2.9	10.0	1	ug/L	93828		07/13/05	mad
	Thallium (Tl)	2.9	U		2.9	10.0	1	ug/L	93762		07/12/05	mad
	Thallium (Tl), Diss.	2.0	U		2.0	50.0	1	ug/L	93828		07/13/05	mad
	Vanadium (V)	2.0	U		2.0	50.0	1	ug/L	93762		07/12/05	mad
	Vanadium (V), Diss.	112			2.5	20.0	1	ug/L	93828		07/13/05	mad
	Zinc (Zn)	24.2			2.5	20.0	1	ug/L	93762		07/12/05	mad
	Zinc (Zn), Diss.				2.5	20.0	1	ug/L	93828		07/13/05	mad

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 249239

Date: 07/19/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW 220
Date Sampled.....: 06/21/2005
Time Sampled.....: 14:16
Sample Matrix.....: Water

Laboratory Sample ID: 249239-12
Date Received.....: 06/21/2005
Time Received.....: 15:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	QI FLAGS	IDL	RL	DILUTION	UNITS	BATCH	DT	DATE	TECH
EPA 245.1	Mercury (Hg)	0.16	U	0.16	0.20	1	ug/L	93040		06/28/05	lms
EPA 245.1	Mercury (Hg), Diss.	0.16	U	0.16	0.20	1	ug/L	93040		06/28/05	lms
EPA 200.7	Hardness by calculation Hardness, Total as CaCO3 Hardness, Total as CaCO3, Diss.	693 654			2.50 2.50	1 1	mg/L mg/L	93933 93927		07/12/05 07/13/05	med med
EPA 200.7	Metals Analysis (ICP)										
	Aluminum (Al)	1030	*	10.4	200	1	ug/L	93762		07/12/05	med
	Aluminum (Al), Diss.	10.4	U	10.4	200	1	ug/L	93828		07/13/05	med
	Antimony (Sb)	2.5	U	2.5	60.0	1	ug/L	93762		07/12/05	med
	Antimony (Sb), Diss.	2.5	U	2.5	60.0	1	ug/L	93828		07/13/05	med
	Arsenic (As)	24.2		3.1	10.0	1	ug/L	93762		07/12/05	med
	Arsenic (As), Diss.	6.7	B	3.1	10.0	1	ug/L	93828		07/13/05	med
	Barium (Ba)	58.9	B	7.1	200	1	ug/L	93762		07/12/05	med
	Barium (Ba), Diss.	36.6	B	7.1	200	1	ug/L	93828		07/13/05	med
	Beryllium (Be)	0.40	U	0.40	5.0	1	ug/L	93762		07/12/05	med
	Beryllium (Be), Diss.	0.40	U	0.40	5.0	1	ug/L	93828		07/13/05	med
	Boron (B)	50.8		3.7	50.0	1	ug/L	93762		07/12/05	med
	Boron (B), Diss.	48.9	B	3.7	50.0	1	ug/L	93828		07/13/05	med
	Cadmium (Cd)	0.80	U	0.80	5.0	1	ug/L	93762		07/12/05	med
	Cadmium (Cd), Diss.	0.80	U	0.80	5.0	1	ug/L	93828		07/13/05	med
	Calcium (Ca)	192000		58.0	5000	1	ug/L	93762		07/12/05	med
	Calcium (Ca), Diss.	184000		58.0	5000	1	ug/L	93828		07/13/05	med
	Chromium (Cr)	3.2	B	0.90	10.0	1	ug/L	93762		07/12/05	med
	Chromium (Cr), Diss.	0.91	B	0.90	10.0	1	ug/L	93828		07/13/05	med
	Cobalt (Co)	2.6	B	1.9	50.0	1	ug/L	93762		07/12/05	med

53 of 82

53 of 82

Job Number: 249239		LABORATORY TEST RESULTS		Date: 07/19/2005	
CUSTOMER: C&S Engineers		PROJECT: OCLF, GOSHEN, NEW YORK		ATTN: Christen Craig	

Customer Sample ID: MW 220
Date Sampled.....: 06/21/2005
Time Sampled.....: 14:16
Sample Matrix.....: Water

Laboratory Sample ID: 249239-12
Date Received.....: 06/21/2005
Time Received.....: 15:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	IDL	RL	DILUTION	UNITS	BATCH	DT	DATE	TECH
54 of 82	Cobalt (Co), Diss.	1.9	U		1.9	50.0	1	ug/L	93828		07/13/05	med
	Copper (Cu)	4.2	B		1.2	25.0	1	ug/L	93762		07/12/05	med
	Copper (Cu), Diss.	1.2	U		1.2	25.0	1	ug/L	93828		07/13/05	med
	Iron (Fe)	5590		*	7.7	100	1	ug/L	93762		07/12/05	med
	Iron (Fe), Diss.	273			7.7	100	1	ug/L	93828		07/13/05	med
	Lead (Pb)	10.2			1.9	5.0	1	ug/L	93762		07/12/05	med
	Lead (Pb), Diss.	4.5	B	N	1.9	5.0	1	ug/L	93828		07/13/05	med
	Magnesium (Mg)	51700			16.6	5000	1	ug/L	93762		07/12/05	med
	Magnesium (Mg), Diss.	47200		*	16.6	5000	1	ug/L	93828		07/13/05	med
	Manganese (Mn)	2500			2.1	10.0	1	ug/L	93762		07/12/05	med
	Manganese (Mn), Diss.	1240			2.1	10.0	1	ug/L	93828		07/13/05	med
	Nickel (Ni)	2.3	U		2.3	40.0	1	ug/L	93762		07/12/05	med
	Nickel (Ni), Diss.	2.3	U		2.3	40.0	1	ug/L	93828		07/13/05	med
	Potassium (K)	5510		E	38.6	5000	1	ug/L	93762		07/12/05	med
	Potassium (K), Diss.	5840		E	38.6	5000	1	ug/L	93828		07/13/05	med
	Selenium (Se)	3.9	U	N	3.9	10.0	1	ug/L	93762		07/12/05	med
	Selenium (Se), Diss.	3.9	U	N	3.9	10.0	1	ug/L	93828		07/13/05	med
	Silver (Ag)	4.5	B		1.1	10.0	1	ug/L	93762		07/12/05	med
	Silver (Ag), Diss.	2.1	B	N	1.1	10.0	1	ug/L	93828		07/13/05	med
	Sodium (Na)	13000			10.6	5000	1	ug/L	93762		07/12/05	med
	Sodium (Na), Diss.	12300			10.6	5000	1	ug/L	93828		07/13/05	med
	Thallium (Tl)	3.6	B		2.9	10.0	1	ug/L	93762		07/12/05	med
	Thallium (Tl), Diss.	3.1	B		2.9	10.0	1	ug/L	93828		07/13/05	med
	Vanadium (V)	2.0	U		2.0	50.0	1	ug/L	93762		07/12/05	med
	Vanadium (V), Diss.	2.0	U		2.0	50.0	1	ug/L	93828		07/13/05	med
	Zinc (Zn)	70.4			2.5	20.0	1	ug/L	93762		07/12/05	med
	Zinc (Zn), Diss.	6.9	B		2.5	20.0	1	ug/L	93828		07/13/05	med

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 249239

Date: 07/19/2005

CUSTOMER: C&S Engineers

PROJECT: DCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW 3B
Date Sampled: 06/21/2005
Time Sampled: 14:16
Sample Matrix: Water

Laboratory Sample ID: 249239-13
Date Received: 06/21/2005
Time Received: 15:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	BATCH	DT	DATE	TECH
EPA 245.1	Mercury (Hg)	0.16	U	0.16	0.20	1	ug/L	93040		06/28/05	lms
EPA 245.1	Mercury (Hg), Diss.	0.16	U	0.16	0.20	1	ug/L	93040		06/28/05	lms
EPA 200.7	Hardness by calculation Hardness, Total as CaCO3 Hardness, Total as CaCO3, Diss.	1330 1210			2.50 2.50	1 1	mg/L mg/L	93933 93927		07/12/05 07/13/05	med med
EPA 200.7	Metals Analysis (ICP)		*								
	Aluminum (Al)	30300		10.4	200	1	ug/L	93762		07/12/05	med
	Aluminum (Al), Diss.	10.4	U	10.4	200	1	ug/L	93828		07/13/05	med
	Antimony (Sb)	2.5	U	2.5	60.0	1	ug/L	93762		07/12/05	med
	Antimony (Sb), Diss.	2.5	U	2.5	60.0	1	ug/L	93828		07/13/05	med
	Arsenic (As)	60.7		3.1	10.0	1	ug/L	93762		07/12/05	med
	Arsenic (As), Diss.	8.4	B	3.1	10.0	1	ug/L	93828		07/13/05	med
	Barium (Ba)	174	B	7.1	200	1	ug/L	93762		07/12/05	med
	Barium (Ba), Diss.	19.9	B	7.1	200	1	ug/L	93828		07/13/05	med
	Beryllium (Be)	1.3	B	0.40	5.0	1	ug/L	93762		07/12/05	med
	Beryllium (Be), Diss.	0.40	U	0.40	5.0	1	ug/L	93828		07/13/05	med
	Boron (B)	64.6		3.7	50.0	1	ug/L	93762		07/12/05	med
	Boron (B), Diss.	40.9	B	3.7	50.0	1	ug/L	93828		07/13/05	med
	Cadmium (Cd)	0.80	U	0.80	5.0	1	ug/L	93762		07/12/05	med
	Cadmium (Cd), Diss.	0.80	U	0.80	5.0	1	ug/L	93828		07/13/05	med
	Calcium (Ca)	370000		58.0	5000	1	ug/L	93762		07/12/05	med
	Calcium (Ca), Diss.	346000		58.0	5000	1	ug/L	93828		07/13/05	med
	Chromium (Cr)	44.1		0.90	10.0	1	ug/L	93762		07/12/05	med
	Chromium (Cr), Diss.	1.2	B	0.90	10.0	1	ug/L	93828		07/13/05	med
	Cobalt (Co)	28.2	B	1.9	50.0	1	ug/L	93762		07/12/05	med

55 of 82

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 249239

Date: 07/19/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW 3B
Date Sampled.....: 06/21/2005
Time Sampled.....: 14:16
Sample Matrix.....: Water

Laboratory Sample ID: 249239-13
Date Received.....: 06/21/2005
Time Received.....: 15:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	IDL	RL	DILUTION	UNITS	BATCH	DT	DATE	TECH
	Cobalt (Co), Diss.	1.9	U		1.9	50.0	1	ug/L	93828		07/13/05	mad
	Copper (Cu)	80.2			1.2	25.0	1	ug/L	93762		07/12/05	mad
	Copper (Cu), Diss.	1.2	U		1.2	25.0	1	ug/L	93828		07/13/05	mad
	Iron (Fe)	57800		*	7.7	100	1	ug/L	93762		07/12/05	mad
	Iron (Fe), Diss.	7.7	U		7.7	100	1	ug/L	93828		07/13/05	mad
	Lead (Pb)	38.0			1.9	5.0	1	ug/L	93762		07/12/05	mad
	Lead (Pb), Diss.	10.7		N	1.9	5.0	1	ug/L	93828		07/13/05	mad
	Magnesium (Mg)	99000			16.6	5000	1	ug/L	93762		07/12/05	mad
	Magnesium (Mg), Diss.	83200			16.6	5000	1	ug/L	93828		07/13/05	mad
	Manganese (Mn)	7860		*	2.1	10.0	1	ug/L	93762		07/12/05	mad
	Manganese (Mn), Diss.	2650			2.1	10.0	1	ug/L	93828		07/13/05	mad
	Nickel (Ni)	56.7			2.3	40.0	1	ug/L	93762		07/12/05	mad
	Nickel (Ni), Diss.	2.3	U		2.3	40.0	1	ug/L	93828		07/13/05	mad
	Potassium (K)	12100		E	77.2	10000	2.000	ug/L	93762		07/12/05	mad
	Potassium (K), Diss.	3790	B	E	38.6	5000	1	ug/L	93828		07/13/05	mad
	Selenium (Se)	3.9	U	N	3.9	10.0	1	ug/L	93762		07/12/05	mad
	Selenium (Se), Diss.	3.9	U	N	3.9	10.0	1	ug/L	93828		07/13/05	mad
	Silver (Ag)	5.3	B	N	1.1	10.0	1	ug/L	93762		07/12/05	mad
	Silver (Ag), Diss.	2.7	B	N	1.1	10.0	1	ug/L	93828		07/13/05	mad
	Sodium (Na)	19300			10.6	5000	1	ug/L	93762		07/12/05	mad
	Sodium (Na), Diss.	17000			10.6	5000	1	ug/L	93828		07/13/05	mad
	Thallium (Tl)	11.0			2.9	10.0	1	ug/L	93762		07/12/05	mad
	Thallium (Tl), Diss.	13.4			2.9	10.0	1	ug/L	93828		07/13/05	mad
	Vanadium (V)	49.9	B		2.0	50.0	1	ug/L	93762		07/12/05	mad
	Vanadium (V), Diss.	2.0	U		2.0	50.0	1	ug/L	93828		07/13/05	mad
	Zinc (Zn)	221			2.5	20.0	1	ug/L	93762		07/12/05	mad
	Zinc (Zn), Diss.	7.3	B		2.5	20.0	1	ug/L	93828		07/13/05	mad

56 of 82

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 249239

Date: 07/19/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW 304S
Date Sampled.....: 06/21/2005
Time Sampled.....: 14:16
Sample Matrix.....: Water

Laboratory Sample ID: 249239-1
Date Received.....: 06/21/2005
Time Received.....: 15:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.1	Solids, Total Dissolved (TDS)	618			5.0	mg/L	06/28/05	lms
SM18 2120B	Color	300			25	Pt/Co	06/23/05	mwr
SM18 2320B	Alkalinity, Total as CaCO3	536			5.00	mg/L	06/28/05	rmc
SM18 3500CrD	Hexavalent Chromium	0.010	U		0.010	mg/L	06/21/05	jpp
SM18 4500Cl	Chloride	28			5.0	mg/L	07/08/05	vvm
SM18 4500CNE	Cyanide, Total	0.0100	U		0.0100	mg/L	06/27/05	bg
SM18 4500NH3E	Ammonia (NH3), as N	1.00	U		1.00	mg/L	07/12/05	zhh
SM18 5210B	Biochemical Oxygen Demand (BOD5)	4.00	U		4.00	mg/L	06/23/05	rmc
HACH 8000	Chemical Oxygen Demand (COD)	26.4		*	10.0	mg/L	06/22/05	bg
LAC 11107041A	Nitrate + Nitrite as N	0.600			0.200	mg/L	06/23/05	jpp
LAC 10210001A	Phenolics, Total Recoverable	0.0100	U		0.0100	mg/L	06/29/05	jpp
LAC 10107062D	Nitrogen, Total Kjeldahl as N (TKN)	1.00	U		1.00	mg/L	07/07/05	mwr
EPA 300.0	Ion Chromatography Analysis							
	Bromide	1.00	U		1.00	mg/L	06/22/05	bg
	Sulfate	9.48		N	5.00	mg/L	06/22/05	bg
SM18 5310C	Total Organic Carbon (TOC)	7.04			1.00	mg/L	07/01/05	mad
	Organic Carbon, Total (TOC)							

* In Description = Dry Wgt.

Page 2

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57 of 82



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CTDOHS PH-0554

EPA NY049

PA 88-378

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LABORATORY TEST RESULTS

Job Number: 249239

Date: 07/19/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW 304D
Date Sampled.....: 06/21/2005
Time Sampled.....: 14:16
Sample Matrix.....: Water

Laboratory Sample ID: 249239-2
Date Received.....: 06/21/2005
Time Received.....: 15:50

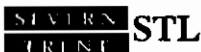
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.1	Solids, Total Dissolved (TDS)	432			5.0	mg/L	06/28/05	lms
SM18 2120B	Color	20			2.5	Pt/Co	06/23/05	mwr
SM18 2320B	Alkalinity, Total as CaCO3	149			5.00	mg/L	06/28/05	rnc
SM18 3500CrD	Hexavalent Chromium	0.010	U		0.010	mg/L	06/21/05	jpp
SM18 4500Cl	Chloride	58			5.0	mg/L	07/08/05	vvm
SM18 4500CNE	Cyanide, Total	0.0100	U		0.0100	mg/L	06/27/05	bg
SM18 4500NH3E	Ammonia (NH3), as N	1.68			1.00	mg/L	07/12/05	zhh
SM18 5210B	Biochemical Oxygen Demand (BOD5)	4.00	U		4.00	mg/L	06/23/05	rnc
HACH 8000	Chemical Oxygen Demand (COD)	10.0	U	*	10.0	mg/L	06/22/05	bg
LAC 11107041A	Nitrate + Nitrite as N	0.200	U		0.200	mg/L	06/23/05	jpp
LAC 10210001A	Phenolics, Total Recoverable	0.0100	U		0.0100	mg/L	06/29/05	jpp
LAC 10107062D	Nitrogen, Total Kjeldahl as N (TKN)	1.00	U		1.00	mg/L	07/07/05	mwr
EPA 300.0	Ion Chromatography Analysis							
	Bromide	2.00	U		2.00	mg/L	06/22/05	bg
	Sulfate	61.6		N	10.0	mg/L	06/22/05	bg
SM18 5310C	Total Organic Carbon (TOC)							
	Organic Carbon, Total (TOC)	1.31			1.00	mg/L	07/01/05	mad

* In Description = Dry Wgt.

Page 3

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58 of 82



NYSDOH 10142

NJDEP 73015

CTDOHS PH-Q554

EPA NY049

PA 68-378

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LABORATORY TEST RESULTS

Job Number: 249239

Date: 07/19/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW 2340
Date Sampled.....: 06/21/2005
Time Sampled.....: 14:16
Sample Matrix.....: Water

Laboratory Sample ID: 249239-3
Date Received.....: 06/21/2005
Time Received.....: 15:50

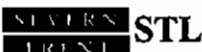
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.1	Solids, Total Dissolved (TDS)	340			5.0	mg/L	06/28/05	lms
SM18 2120B	Color	15			2.5	Pt/Co	06/23/05	mwr
SM18 2320B	Alkalinity, Total as CaCO3	143			5.00	mg/L	06/28/05	rmc
SM18 3500CrD	Hexavalent Chromium	0.010	U		0.010	mg/L	06/21/05	jpp
SM18 4500Cl	Chloride	28			5.0	mg/L	07/08/05	vvm
SM18 4500CME	Cyanide, Total	0.0100	U		0.0100	mg/L	06/27/05	bg
SM18 4500NH3E	Ammonia (NH3), as N	1.00	U		1.00	mg/L	07/12/05	zhth
SM18 5210B	Biochemical Oxygen Demand (BOD5)	4.00	U		4.00	mg/L	06/23/05	rmc
HACH 8000	Chemical Oxygen Demand (COD)	10.0	U	*	10.0	mg/L	06/22/05	bg
LAC 11107041A	Nitrate + Nitrite as N	0.390			0.200	mg/L	06/23/05	jpp
LAC 10210001A	Phenolics, Total Recoverable	0.0100	U		0.0100	mg/L	06/29/05	jpp
LAC 10107062D	Nitrogen, Total Kjeldahl as N (TKN)	1.00	U		1.00	mg/L	07/07/05	mwr
EPA 300.0	Ion Chromatography Analysis							
	Bromide	1.00	U		1.00	mg/L	06/22/05	bg
	Sulfate	71.7		N	15.0	mg/L	06/23/05	bg
SM18 5310C	Total Organic Carbon (TOC)	2.69			1.00	mg/L	07/01/05	mad
	Organic Carbon, Total (TOC)							

* In Description = Dry Wgt.

Page 4

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59 of 82



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NJDEP 73015

CTDOHS PH-0564

EPA NY049

PA 68-378

M-NY049

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LABORATORY TEST RESULTS

Job Number: 249239

Date: 07/19/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW 2345
Date Sampled.....: 06/21/2005
Time Sampled.....: 14:16
Sample Matrix.....: Water

Laboratory Sample ID: 249239-4
Date Received.....: 06/21/2005
Time Received.....: 15:50

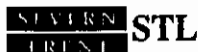
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.1	Solids, Total Dissolved (TDS)	454			5.0	mg/L	06/28/05	lms
SM18 2120B	Color	15			2.5	Pt/Co	06/23/05	mwr
SM18 2320B	Alkalinity, Total as CaCO3	229			5.00	mg/L	06/28/05	rnc
SM18 3500CrD	Hexavalent Chromium	0.010	U		0.010	mg/L	06/21/05	jpp
SM18 4500Cl	Chloride	5.0	U		5.0	mg/L	07/08/05	vvm
SM18 4500CNE	Cyanide, Total	0.0100	U		0.0100	mg/L	06/27/05	bg
SM18 4500NH3E	Ammonia (NH3), as N	1.00	U		1.00	mg/L	07/12/05	zhh
SM18 5210B	Biochemical Oxygen Demand (BOD5)	4.00	U		4.00	mg/L	06/23/05	rnc
HACH 8000	Chemical Oxygen Demand (COD)	10.0	U	*	10.0	mg/L	06/22/05	bg
LAC 11107041A	Nitrate + Nitrite as N	0.280			0.200	mg/L	06/23/05	jpp
LAC 10210001A	Phenolics, Total Recoverable	0.0100	U		0.0100	mg/L	06/29/05	jpp
LAC 10107062D	Nitrogen, Total Kjeldahl as N (TKN)	1.00	U		1.00	mg/L	07/07/05	mwr
EPA 300.0	Ion Chromatography Analysis							
	Bromide	1.00	U		1.00	mg/L	06/22/05	bg
	Sulfate	125		N	20.0	mg/L	06/23/05	bg
SM18 5310C	Total Organic Carbon (TOC)							
	Organic Carbon, Total (TOC)	2.07			1.00	mg/L	07/01/05	mad

* In Description = Dry Wgt.

Page 5

60 of 82

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NJDEP 73015

CTDOHS PH-0664

EPA NY049

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LABORATORY TEST RESULTS

Job Number: 249239

Date: 07/19/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW 233S
Date Sampled.....: 06/21/2005
Time Sampled.....: 14:16
Sample Matrix.....: Water

Laboratory Sample ID: 249239-5
Date Received.....: 06/21/2005
Time Received.....: 15:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.1	Solids, Total Dissolved (TDS)	372			5.0	mg/L	06/28/05	lms
SM18 2120B	Color	15			2.5	Pt/Co	06/23/05	mwr
SM18 2320B	Alkalinity, Total as CaCO3	281			5.00	mg/L	06/28/05	rmc
SM18 3500CrD	Hexavalent Chromium	0.010	U		0.010	mg/L	06/21/05	jpp
SM18 4500Cl	Chloride	5.0	U		5.0	mg/L	07/08/05	vvm
SM18 4500CNE	Cyanide, Total	0.0100	U		0.0100	mg/L	06/27/05	bg
SM18 4500NH3E	Ammonia (NH3), as N	1.00	U		1.00	mg/L	07/12/05	zhb
SM18 5210B	Biochemical Oxygen Demand (BOD5)	4.00	U		4.00	mg/L	06/23/05	rmc
HACH 8000	Chemical Oxygen Demand (COD)	10.0	U	*	10.0	mg/L	06/22/05	bg
LAC 11107041A	Nitrate + Nitrite as N	5.68			0.200	mg/L	06/23/05	jpp
LAC 10210001A	Phenolics, Total Recoverable	0.0100	U		0.0100	mg/L	06/29/05	jpp
LAC 10107062D	Nitrogen, Total Kjeldahl as N (TKN)	1.00	U		1.00	mg/L	07/07/05	mwr
EPA 300.0	Ion Chromatography Analysis							
	Bromide	1.00	U		1.00	mg/L	06/22/05	bg
	Sulfate	33.7		N	5.00	mg/L	06/22/05	bg
SM18 5310C	Total Organic Carbon (TOC)							
	Organic Carbon, Total (TOC)	3.01			1.00	mg/L	07/01/05	mad

* In Description = Dry Wgt.

Page 6

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61 of 82



NYSDOH 10142

NJDEP 73016

CTDOHS PH-0554

EPA NY049

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LABORATORY TEST RESULTS

Job Number: 249239

Date: 07/19/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YOR

ATTN: Christen Craig

Customer Sample ID: MW 222
Date Sampled.....: 06/21/2005
Time Sampled.....: 14:16
Sample Matrix.....: Water

Laboratory Sample ID: 249239-6
Date Received.....: 06/21/2005
Time Received.....: 15:50

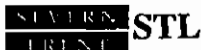
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.1	Solids, Total Dissolved (TDS)	1010			5.0	mg/L	06/28/05	lms
SM18 2120B	Color	400			25	Pt/Co	06/23/05	mwr
SM18 2320B	Alkalinity, Total as CaCO3	827			5.00	mg/L	06/28/05	rnc
SM18 3500CrD	Hexavalent Chromium	0.010	U		0.010	mg/L	06/21/05	jpp
SM18 4500Cl	Chloride	58			5.0	mg/L	07/08/05	vvm
SM18 4500CNE	Cyanide, Total	0.0100	U		0.0100	mg/L	06/27/05	bg
SM18 4500NH3E	Ammonia (NH3), as N	8.68			1.00	mg/L	07/12/05	zhh
SM18 5210B	Biochemical Oxygen Demand (BOD5)	8.78			4.00	mg/L	06/23/05	rnc
HACH 8000	Chemical Oxygen Demand (COD)	50.1		*	10.0	mg/L	06/22/05	bg
LAC 11107041A	Nitrate + Nitrite as N	0.730			0.200	mg/L	06/23/05	jpp
LAC 10210001A	Phenolics, Total Recoverable	0.0320			0.0100	mg/L	06/29/05	jpp
LAC 10107062D	Nitrogen, Total Kjeldahl as N (TKN)	3.95			1.00	mg/L	07/07/05	mwr
EPA 300.0	Ion Chromatography Analysis							
	Bromide	1.00	U		1.00	mg/L	06/22/05	bg
	Sulfate	47.5		N	15.0	mg/L	06/23/05	bg
SM18 5310C	Total Organic Carbon (TOC)							
	Organic Carbon, Total (TOC)	8.75			1.00	mg/L	07/01/05	mad

* In Description = Dry Wgt.

Page 7

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62 of 82



NYSDOH 10142

NJDEP 73016

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0880
Fax (845) 562-0841

LABORATORY TEST RESULTS

Job Number: 249239

Date: 07/19/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW 230S
Date Sampled.....: 06/21/2005
Time Sampled.....: 14:16
Sample Matrix.....: Water

Laboratory Sample ID: 249239-7
Date Received.....: 06/21/2005
Time Received.....: 15:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.1	Solids, Total Dissolved (TDS)	226			5.0	mg/L	06/28/05	lms
SM18 2120B	Color	15			2.5	Pt/Co	06/23/05	mwr
SM18 2320B	Alkalinity, Total as CaCO3	96.6			5.00	mg/L	06/28/05	rnc
SM18 3500CrD	Hexavalent Chromium	0.010	U		0.010	mg/L	06/21/05	jpp
SM18 4500Cl	Chloride	31			5.0	mg/L	07/08/05	vvm
SM18 4500CNE	Cyanide, Total	0.0100	U		0.0100	mg/L	06/27/05	bg
SM18 4500NH3E	Ammonia (NH3), as N	1.00	U		1.00	mg/L	07/12/05	zhb
SM18 5210B	Biochemical Oxygen Demand (BOD5)	4.00	U		4.00	mg/L	06/23/05	rnc
KACH 8000	Chemical Oxygen Demand (COD)	10.0	U	*	10.0	mg/L	06/22/05	bg
LAC 11107041A	Nitrate + Nitrite as N	0.910			0.200	mg/L	06/23/05	jpp
LAC 10210001A	Phenolics, Total Recoverable	0.0210			0.0100	mg/L	06/29/05	jpp
LAC 10107062D	Nitrogen, Total Kjeldahl as N (TKN)	1.00	U		1.00	mg/L	07/07/05	mwr
EPA 300.0	Ion Chromatography Analysis							
	Bromide	1.00	U		1.00	mg/L	06/22/05	bg
	Sulfate	39.3		N	10.0	mg/L	06/23/05	bg
SM18 5310C	Total Organic Carbon (TOC)							
	Organic Carbon, Total (TOC)	1.48			1.00	mg/L	07/01/05	mad

* In Description = Dry Wgt.

Page 8

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63 of 82



NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

LABORATORY TEST RESULTS

Job Number: 249239

Date: 07/19/2005

CUSTOMER: C&S Engineers

PROJECT: DCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW 230D
Date Sampled.....: 06/21/2005
Time Sampled.....: 14:16
Sample Matrix.....: Water

Laboratory Sample ID: 249239-8
Date Received.....: 06/21/2005
Time Received.....: 15:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.1	Solids, Total Dissolved (TDS)	164			5.0	mg/L	06/28/05	lms
SM18 2120B	Color	15			2.5	Pt/Co	06/23/05	mwr
SM18 2320B	Alkalinity, Total as CaCO ₃	129			5.00	mg/L	06/28/05	rnc
SM18 3500CrD	Hexavalent Chromium	0.010	U		0.010	mg/L	06/21/05	jpp
SM18 4500Cl	Chloride	5.0	U		5.0	mg/L	07/08/05	vvm
SM18 4500CNE	Cyanide, Total	0.0100	U		0.0100	mg/L	06/27/05	bg
SM18 4500NH3E	Ammonia (NH ₃), as N	1.40			1.00	mg/L	07/12/05	zhh
SM18 5210B	Biochemical Oxygen Demand (BOD ₅)	4.00	U		4.00	mg/L	06/23/05	rnc
HACH 8000	Chemical Oxygen Demand (COD)	10.0	U	*	10.0	mg/L	06/22/05	bg
LAC 11107041A	Nitrate + Nitrite as N	0.200	U		0.200	mg/L	06/23/05	jpp
AC 10210001A	Phenolics, Total Recoverable	0.0100	U		0.0100	mg/L	06/29/05	jpp
LAC 10107062D	Nitrogen, Total Kjeldahl as N (TKN)	1.00	U		1.00	mg/L	07/07/05	mwr
EPA 300.0	Ion Chromatography Analysis							
	Bromide	1.00	U		1.00	mg/L	06/22/05	bg
	Sulfate	11.5		N	5.00	mg/L	06/22/05	bg
SM18 5310C	Total Organic Carbon (TOC)							
	Organic Carbon, Total (TOC)	1.10			1.00	mg/L	07/01/05	mad

* In Description = Dry Wgt.

Page 9

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64 of 82



NYSDOH 10142

NJDEP 73015

CTDOHS PH-0654

EPA NY049

PA 66-375

M-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

LABORATORY TEST RESULTS

Job Number: 249239

Date: 07/19/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YOR

ATTN: Christen Craig

Customer Sample ID: MW 232S
Date Sampled.....: 06/21/2005
Time Sampled.....: 14:16
Sample Matrix.....: Water

Laboratory Sample ID: 249239-9
Date Received.....: 06/21/2005
Time Received.....: 15:50

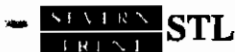
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.1	Solids, Total Dissolved (TDS)	224			5.0	mg/L	06/28/05	lms
SM18 2120B	Color	150			12	Pt/Co	06/23/05	mwr
SM18 2320B	Alkalinity, Total as CaCO3	181			5.00	mg/L	06/28/05	rmc
SM18 3500CrO	Hexavalent Chromium	0.010	U		0.010	mg/L	06/21/05	jpp
SM18 4500Cl	Chloride	5.0	U		5.0	mg/L	07/08/05	vvm
SM18 4500CNE	Cyanide, Total	0.0100	U		0.0100	mg/L	06/27/05	bg
SM18 4500NH3E	Ammonia (NH3), as N	1.00	U		1.00	mg/L	07/12/05	zhh
SM18 5210B	Biochemical Oxygen Demand (BOD5)	4.00	U		4.00	mg/L	06/23/05	rmc
HACH 8000	Chemical Oxygen Demand (COD)	44.2		*	10.0	mg/L	06/22/05	bg
LAC 11107041A	Nitrate + Nitrite as N	0.750			0.200	mg/L	06/23/05	jpp
LAC 10210001A	Phenolics, Total Recoverable	0.0100	U		0.0100	mg/L	06/29/05	jpp
LAC 10107062D	Nitrogen, Total Kjeldahl as N (TKN)	1.00	U		1.00	mg/L	07/07/05	mwr
EPA 300.0	Ion Chromatography Analysis							
	Bromide	1.00	U		1.00	mg/L	06/22/05	bg
	Sulfate	5.18		N	5.00	mg/L	06/22/05	bg
SM18 5310C	Total Organic Carbon (TOC)							
	Organic Carbon, Total (TOC)	15.3			1.00	mg/L	07/01/05	mad

* In Description = Dry Wgt.

Page 10

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65 of 82



NYSDOH 10142

NJDEP 73015

CTDOHS PH-0654

EPA NY049

PA 65-378

M-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

LABORATORY TEST RESULTS

Job Number: 249239

Date: 07/19/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW 245S
 Date Sampled.....: 06/21/2005
 Time Sampled.....: 14:16
 Sample Matrix.....: Water

Laboratory Sample ID: 249239-10
 Date Received.....: 06/21/2005
 Time Received.....: 15:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.1	Solids, Total Dissolved (TDS)	542			5.0	mg/L	06/28/05	lms
SM18 2120B	Color	20			2.5	Pt/Co	06/23/05	mwr
SM18 2320B	Alkalinity, Total as CaCO ₃	260			5.00	mg/L	06/28/05	rnc
SM18 3500CrO	Hexavalent Chromium	0.010	U		0.010	mg/L	06/21/05	jpp
SM18 4500Cl	Chloride	42			5.0	mg/L	07/08/05	vvm
SM18 4500CNE	Cyanide, Total	0.0100	U		0.0100	mg/L	06/27/05	bg
SM18 4500NH ₃ E	Ammonia (NH ₃), as N	1.00	U		1.00	mg/L	07/12/05	zhb
SM18 5210B	Biochemical Oxygen Demand (BOD ₅)	4.00	U		4.00	mg/L	06/23/05	rnc
HACH 8000	Chemical Oxygen Demand (COD)	11.6		*	10.0	mg/L	06/22/05	bg
LAC 11107041A	Nitrate + Nitrite as N	0.200	U		0.200	mg/L	06/23/05	jpp
AC 10210001A	Phenolics, Total Recoverable	0.0100	U		0.0100	mg/L	06/29/05	jpp
LAC 10107062D	Nitrogen, Total Kjeldahl as N (TKN)	1.00	U		1.00	mg/L	07/07/05	mwr
EPA 300.0	Ion Chromatography Analysis							
	Bromide	1.00	U		1.00	mg/L	06/22/05	bg
	Sulfate	126		N	25.0	mg/L	06/23/05	bg
SM18 5310C	Total Organic Carbon (TOC)							
	Organic Carbon, Total (TOC)	2.97			1.00	mg/L	07/01/05	mad

* In Description = Dry Wgt.

Page 11

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66 of 82



NYSDOH 10142

NJDEP 73015

CTDOHS PH-0664

EPA NY049

PA 88-378

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 315 Fullerton Avenue
 Newburgh, NY 12550
 Tel (845) 562-0890
 Fax (845) 562-0841

LABORATORY TEST RESULTS

Job Number: 249239

Date: 07/19/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW 245D
Date Sampled.....: 06/21/2005
Time Sampled.....: 14:16
Sample Matrix.....: Water

Laboratory Sample ID: 249239-11
Date Received.....: 06/21/2005
Time Received.....: 15:50

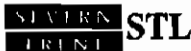
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.1	Solids, Total Dissolved (TDS)	590			5.0	mg/L	06/28/05	lms
SM18 2120B	Color	20			2.5	Pt/Co	06/23/05	mwr
SM18 2320B	Alkalinity, Total as CaCO ₃	314			5.00	mg/L	06/28/05	rnc
SM18 3500CrD	Hexavalent Chromium	0.010	U		0.010	mg/L	06/21/05	jpp
SM18 4500Cl	Chloride	25			5.0	mg/L	07/08/05	vvm
SM18 4500CNE	Cyanide, Total	0.0100	U		0.0100	mg/L	06/27/05	bg
SM18 4500NH ₃ E	Ammonia (NH ₃), as N	1.00	U		1.00	mg/L	07/12/05	zhh
SM18 5210B	Biochemical Oxygen Demand (BOD ₅)	18.8			4.00	mg/L	06/23/05	rnc
HACH 8000	Chemical Oxygen Demand (COD)	17.5		*	10.0	mg/L	06/22/05	bg
LAC 11107041A	Nitrate + Nitrite as N	1.11			0.200	mg/L	06/23/05	jpp
LAC 10210001A	Phenolics, Total Recoverable	0.0100	U		0.0100	mg/L	06/29/05	jpp
LAC 10107062D	Nitrogen, Total Kjeldahl as N (TKN)	4.02			1.00	mg/L	07/07/05	mwr
EPA 300.0	Ion Chromatography Analysis Bromide Sulfate	1.00	U		1.00	mg/L	06/22/05	bg
		165		N	25.0	mg/L	06/23/05	bg
SM18 5310C	Total Organic Carbon (TOC) Organic Carbon, Total (TOC)	2.45			1.00	mg/L	07/01/05	mad

* In Description = Dry Wgt.

Page 12

67 of 82

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NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 88-378

M-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

LABORATORY TEST RESULTS

Job Number: 249239

Date: 07/19/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW 220
Date Sampled.....: 06/21/2005
Time Sampled.....: 14:16
Sample Matrix.....: Water

Laboratory Sample ID: 249239-12
Date Received.....: 06/21/2005
Time Received.....: 15:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.1	Solids, Total Dissolved (TDS)	954			5.0	mg/L	06/28/05	lms
SM18 2120B	Color	40			2.5	Pt/Co	06/23/05	mwr
SM18 2320B	Alkalinity, Total as CaCO3	467			5.00	mg/L	06/28/05	rmc
SM18 3500CrD	Hexavalent Chromium	0.010	U		0.010	mg/L	06/21/05	jpp
SM18 4500Cl	Chloride	17			5.0	mg/L	07/08/05	vvm
SM18 4500CNE	Cyanide, Total	0.0100	U		0.0100	mg/L	06/27/05	bg
SM18 4500NH3E	Ammonia (NH3), as N	1.00	U		1.00	mg/L	07/12/05	zhh
SM18 5210B	Biochemical Oxygen Demand (BOD5)	4.00	U		4.00	mg/L	06/23/05	rmc
HACH 8000	Chemical Oxygen Demand (COD)	17.5		*	10.0	mg/L	06/22/05	bg
LAC 11107041A	Nitrate + Nitrite as N	0.200	U		0.200	mg/L	06/23/05	jpp
LAC 10210001A	Phenolics, Total Recoverable	0.0410			0.0100	mg/L	06/29/05	jpp
LAC 10107062D	Nitrogen, Total Kjeldahl as N (TKN)	1.00	U		1.00	mg/L	07/07/05	mwr
EPA 300.0	Ion Chromatography Analysis							
	Bromide	1.00	U		1.00	mg/L	06/22/05	bg
	Sulfate	124		N	50.0	mg/L	06/23/05	bg
SM18 5310C	Total Organic Carbon (TOC)							
	Organic Carbon, Total (TOC)	4.17			1.00	mg/L	07/01/05	mad

* In Description = Dry Wgt.

Page 13

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68 of 82

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NYSDOH 10142

NJDEP 73015

CTDOH3 PH-0664

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PA 66-378

M-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

LABORATORY TEST RESULTS

Job Number: 249239

Date: 07/19/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW 3B
Date Sampled.....: 06/21/2005
Time Sampled.....: 14:16
Sample Matrix.....: Water

Laboratory Sample ID: 249239-13
Date Received.....: 06/21/2005
Time Received.....: 15:50

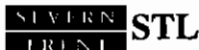
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.1	Solids, Total Dissolved (TDS)	1540			5.0	mg/L	06/28/05	lms
SM18 2120B	Color	150			25	Pt/Co	06/23/05	mwr
SM18 2320B	Alkalinity, Total as CaCO3	468			5.00	mg/L	06/28/05	rmc
SM18 3500CrO	Hexavalent Chromium	0.010	U		0.010	mg/L	06/21/05	jpp
SM18 4500Cl	Chloride	28			5.0	mg/L	07/08/05	vvm
SM18 4500CNE	Cyanide, Total	0.0100	U		0.0100	mg/L	06/27/05	bg
SM18 4500NH3E	Ammonia (NH3), as N	1.00	U		1.00	mg/L	07/12/05	zhh
SM18 5210B	Biochemical Oxygen Demand (BOD5)	4.00	U		4.00	mg/L	06/23/05	rmc
HACH 8000	Chemical Oxygen Demand (COD)	68.0		*	10.0	mg/L	06/22/05	bg
LAC 11107041A	Nitrate + Nitrite as N	0.200	U		0.200	mg/L	06/23/05	jpp
LAC 102100D1A	Phenolics, Total Recoverable	0.0100	U		0.0100	mg/L	06/29/05	jpp
LAC 10107062D	Nitrogen, Total Kjeldahl as N (TKN)	1.00	U		1.00	mg/L	07/07/05	mwr
EPA 300.0	Ion Chromatography Analysis							
	Bromide	1.00	U		1.00	mg/L	06/22/05	bg
	Sulfate	5.00	U	N	5.00	mg/L	06/22/05	bg
SM18 5310C	Total Organic Carbon (TOC)							
	Organic Carbon, Total (TOC)	2.53			1.00	mg/L	07/01/05	mad

* In Description = Dry Wgt.

Page 14

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69 of 82



NYSDOH 10142

NJOEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

U. S. EPA - CLP
5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

ZZZZMS

Lab Name: STL Newburgh

Contract: _____

Lab Code: 10142 Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): Water

Level (low/med): _____

% Solids for Sample: _____

Concentration Units (ug/L or mg/Kg dry weight): ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	2659.9250	711.9253	2000.00	97.4		P
Antimony	75-125	102.2952	2.5000	100.00	102.3		P
Arsenic	75-125	56.9380	19.4190	40.00	93.8		P
Barium	75-125	2562.1230	432.5204	2000.00	106.5		P
Beryllium	75-125	52.1029	0.4000	50.00	104.2		P
Boron	75-125	922.2157	39.2721	1000.00	88.3		P
Cadmium	75-125	51.0657	0.8000	50.00	102.1		P
Calcium							NR
Chromium	75-125	219.3137	2.8786	200.00	108.2		P
Cobalt	75-125	546.4714	26.5952	500.00	104.0		P
Copper	75-125	250.9015	10.9434	250.00	96.0		P
Iron		6586.8698	6722.0209	1000.00	0.0		P
Lead	75-125	24.2054	5.1116	20.00	95.5		P
Magnesium							NR
Manganese		15121.3623	19379.3241	500.00	0.0		P
Nickel	75-125	520.0541	2.3000	500.00	104.0		P
Potassium							NR
Silver	75-125	22.2031	4.2183	50.00	36.0	N	P
Sodium							NR
Selenium	75-125	3.9000	4.2256	10.00	0.0	N	P
Thallium	75-125	64.3635	13.8714	50.00	101.0		P
Vanadium	75-125	528.4145	2.0000	500.00	105.7		P
Zinc	75-125	611.4674	82.1358	500.00	105.9		P

Comments:

70 of 82

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NYSDOH 10142

NJDEP 73016

CTDOHS PH-0554

EPA NY040

PA 66-378

M-NY040

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

U. S. EPA - CLP
5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MW 304S

DISS

Lab Name: STL Newburgh Contract: _____

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): Water Level (low/med): _____

% Solids for Sample: _____

Concentration Units (ug/L or mg/Kg dry weight): ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	2027.2880	10.4000 U	2000.00	101.4		P
Antimony	75-125	39.6962 B	2.5000 U	100.00	39.7	N	P
Arsenic	75-125	49.4584	3.1000 U	40.00	123.6		P
Barium	75-125	2539.9072	448.0189	2000.00	104.6		P
Beryllium	75-125	51.0513	0.4000 U	50.00	102.1		P
Boron							NR
Cadmium	75-125	49.0660	0.8000 U	50.00	98.1		P
Calcium							NR
Chromium	75-125	210.0779	0.9000 U	200.00	105.0		P
Cobalt	75-125	513.4130	1.9000 U	500.00	102.7		P
Copper	75-125	243.1148	1.2000 U	250.00	97.2		P
Iron		14460.8206	13610.4597	1000.00	85.0		P
Lead	75-125	16.8672	2.8650 B	20.00	70.0	N	P
Magnesium							NR
Manganese		3777.5179	3325.5969	500.00	90.4		P
Nickel	75-125	499.1183	2.3000 U	500.00	99.8		P
Potassium							NR
Silver	75-125	35.1413	2.2044 B	50.00	65.9	N	P
Sodium							NR
Selenium	75-125	5.5565 B	3.9000 U	50.00	11.1	N	P
Thallium	75-125	49.6442	3.1799 B	50.00	92.9		P
Vanadium	75-125	510.6378	2.0000 U	500.00	102.1		P
Zinc	75-125	497.9480	3.1878 B	500.00	99.0		P

Comments:

71 of 82

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EPA NY049

PA 66-378

M-NY049

STL Newburgh
315 Pullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0880
Fax (845) 562-0841

5A
SPIKE SAMPLE RECOVERY

MW 304S

Contract: _____

SAS No. :

SDG No. :

Level (low/med) :

% Solids for Sample: _____

Concentration Units (ug/L or mg/Kg dry weight): ug/L

[illegible]

Comments:

5A
SPIKE SAMPLE RECOVERY

MW 304S

DISS

Contract: _____

SAS No. :

SDG No. :

Level (low/med) :

% Solids for Sample:

Concentration Units (ug/L or mg/Kg dry weight): ug/L

[illegible]

Comments:

5A
SPIKE SAMPLE RECOVERY

MW 3BS

Concentration Units (ug/L or mg/Kg dry weight): ug/L

[illegible]

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74 of 82

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Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

U. S. EPA - CLP

6
DUPLICATES

EPA SAMPLE NO.

Lab Name: STL Newburgh

Contract:

ZZZZZM)

Lab Code: 10142 Case No.:

SAS No. :

SDG No. :

Matrix (soil/water): Water

Level (low/med) :

% Solids for Sample:

% Solids for Duplicate:

Concentration Units (ug/L or mg/Kg dry weight): ug/L

Analyte	Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum	200.0	711.9253	-	454.8993	-	44.0	*	P
Antimony		2.5000	U	2.5000	U		-	P
Arsenic	10.0	19.4190	-	13.1460	-	38.5	-	P
Barium	200.0	432.5204	-	376.5954	-	13.8	-	P
Beryllium		0.4000	U	0.4000	U		-	P
Boron		39.2721	B	29.4065	B	28.7	-	P
Cadmium		0.8000	U	0.8000	U		-	P
Calcium		105868.2180	-	108076.6650	-	2.1	-	P
Chromium		2.8786	B	2.0309	B	34.5	-	P
Cobalt		26.5952	B	18.3623	B	36.6	-	P
Copper		10.9434	B	7.4597	B	37.8	-	P
Iron		6722.0209	-	5379.1950	-	22.2	*	P
Lead	5.0	5.1116	-	5.2966	-	3.6	-	P
Magnesium		27431.6914	-	27723.8707	-	1.0	-	P
Manganese		19379.3241	-	14308.8142	-	30.1	*	P
Nickel		2.3000	U	2.3000	U		-	P
Potassium		2121.6733	B	2057.3980	B	3.1	-	P
Silver		4.2183	B	4.4015	B	4.2	-	P
Sodium	5000.0	7732.6828	-	7915.2447	-	2.3	-	P
Selenium		4.2256	B	3.9000	U	200.0	-	P
Thallium	10.0	13.8714	-	10.1698	-	30.8	-	P
Vanadium		2.0000	U	2.0000	U		-	P
Zinc	20.0	82.1358	-	83.5762	-	1.7	-	P
			-		-		-	
			-		-		-	
			-		-		-	
			-		-		-	

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75 of 82

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Newburgh, NY 12550
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Fax (845) 582-0841

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6
DUPLICATES

EPA SAMPLE NO.

Lab Name: STL Newburgh

Contract: _____

MW 304SD

0155

Lab Code: 10142 Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): Water

Level (low/med): _____

% Solids for Sample: _____

% Solids for Duplicate: _____

Concentration Units (ug/L or mg/Kg dry weight): ug/L

Analyte	Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		10.4000	U	10.4000	U			P
Antimony		2.5000	U	2.5000	U			P
Arsenic		3.1000	U	4.4128	B	200.0		P
Barium	200.0	448.0189	U	442.1875	U	1.3		P
Beryllium		0.4000	U	0.4000	U			P
Boron		44.9924	B	43.7330	B	2.8		P
Cadmium		0.8000	U	0.8000	U			P
Calcium		167434.1460	U	165547.0260	U	1.1		P
Chromium		0.9000	U	0.9000	U			P
Cobalt		1.9000	U	1.9000	U			P
Copper		1.2000	U	1.2000	U			P
Iron		13610.4597	U	13485.0235	U	0.9		P
Lead		2.8650	B	2.4355	B	16.2		P
Magnesium		32396.5172	U	31930.6252	U	1.4		P
Manganese		3325.5969	U	3285.4596	U	1.2		P
Nickel		2.3000	U	2.3000	U			P
Potassium		4027.0714	B	3940.9358	B	2.2		P
Silver		2.2044	B	1.4897	B	38.7		P
Sodium	5000.0	17447.5980	U	17399.0973	U	0.3		P
Selenium		3.9000	U	3.9000	U			P
Thallium		3.1799	B	2.9000	U	200.0		P
Vanadium		2.0000	U	2.0000	U			P
Zinc		3.1878	B	3.1993	B	0.4		P

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Newburgh, NY 12550
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Fax (845) 562-0841

6
DUPLICATES

EPA SAMPLE NO.

MW 304SD

Lab Name: STL Newburgh

Contract: _____

Lab Code: 10142 Case No.: _____

SAS No. : _____

SDG No. : _____

Matrix (soil/water): Water

Level (low/med) : _____

% Solids for Sample: _____

% Solids for Duplicate: _____

Concentration Units (ug/L or mg/Kg dry weight): ug/L

[illegible]

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44-38861-1000

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6
DUPLICATES

EPA SAMPLE NO.

Lab Name: STL Newburgh

Contract: _____

MW 304SD

DSS

Lab Code: 10142 Case No.: _____

SAS No. : _____

SDG No. : _____

Matrix (soil/water): Water

Level (low/med) : _____

% Solids for Sample: _____

% Solids for Duplicate: _____

Concentration Units (ug/L or mg/Kg dry weight): ug/L

[illegible]

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6
 DUPLICATES

EPA SAMPLE NO.

MW 3BD

Lab Name: STL Newburgh

Contract: _____

Lab Code: 10142 Case No.: _____

SAS No. :

SDG No. : _____

Matrix (soil/water): Water

Level (low/med): _____

% Solids for Sample:

% Solids for Duplicate: _____

Concentration Units (ug/L or mg/Kg dry weight): ug/L

[illegible]

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Report Date.: 07/19/2005

ATTN: Christen Craig

Analyst...: rmc
Test Code.: ALK

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MD	249239-2		149.48				149.41	0.0	8-8		06/28/2005	1629
MS	249239-2	W04ALKSPK1	176.52			25.0	149.41	108.4	60-139		06/28/2005	1636

Analyst.: zhh
Test Code.: NH3

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MS	249239-10	W04NH3SPK1	9.52			10.0	0	95.2	84-123		07/12/2005	1700
MD	249239-10		0				0	0.0	20-20		07/12/2005	1700

Analyst...: rmc
Test Code.: BDD

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
WD	249239-1		0				0	0.0	20-20		06/23/2005	1053

Analyst...: bg
Test Code...: C00

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MD	249239-10		14.5				11.6	22.2	10-10	*	06/22/2005	0730
IS	249239-10	W02C00SPKL	56.1			50	11.6	89.0	58-133		06/22/2005	0730

Analyst...: VVM
Test Code..: CHL

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
1S	249239-3	W04CLSPK02	51.3032			25.0	27.5517	95.0	74-126		07/08/2005	1025
1D	249239-3		25.6516				27.5517	7.1	19-19		07/08/2005	1025

Analyst...: DWR
Test Code.: COLOR

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
ID	249239-10		20				20	0.0	20-20		06/23/2005	1435

QUALITY CONTROL RESULTS

Job Number.: 249239

Report Date.: 07/19/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YOR

ATTN: Christen Craig

Test Method.....: SM18 3500CrD
Method Description.: Hexavalent Chromium
Parameter.....: Hexavalent Chromium

Batch.....: 92664
Units.....: mg/L

Analyst....: jpp
Test Code.: CR6

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MD	249239-7		0				0	0.0	15-15		06/21/2005	1900
MS	249239-7	W04SPKCR62	0.021			0.02000	0	105.0	72-133		06/21/2005	1900

Test Method.....: LAC 11107041A
Method Description.: Nitrate-Nitrite
Parameter.....: Nitrate + Nitrite as N

Batch.....: 93672
Units.....: mg/L

Analyst....: jpp
Test Code.: N03N02

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MD	249239-9		0.86				0.75	13.7	14-14		06/23/2005	0000
MD	249239-1		0.64				0.60	6.5	14-14		06/23/2005	0000
MS	249239-1	W04N03SPK1	4.25			4.0	0.60	91.2	76-118		06/23/2005	0000
MS	249239-9	W04N03SPK1	4.55			4.0	0.75	95.0	76-118		06/23/2005	0000

Test Method.....: LAC 10107062D
Method Description.: Nitrogen, Total Kjeldahl
Parameter.....: Nitrogen, Total Kjeldahl as N (TKN)

Batch.....: 93675
Units.....: mg/L

Analyst....: mwr
Test Code.: TKN

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MD	249239-1		0				0	0.0	20-20		07/07/2005	0219
MS	249239-1	W04TKNSPK1	2.02			2.000	0	101.0	50-150		07/07/2005	0220

Test Method.....: SM18 5310C
Method Description.: Total Organic Carbon (TOC)
Parameter.....: Organic Carbon, Total (TOC)

Batch.....: 93676
Units.....: mg/L

Analyst....: mad
Test Code.: TOC

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MD	249239-1		6.959				7.038	1.1	20-20		07/01/2005	1147
MS	249239-1	W02TOCSPK1	26.986			20.0	7.038	99.7	75-125		07/01/2005	1147

Test Method.....: LAC 10210001A
Method Description.: Phenolics, Total Recoverable
Parameter.....: Phenolics, Total Recoverable

Batch.....: 93678
Units.....: mg/L

Analyst....: jpp
Test Code.: PHENTR

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MD	249300-1		0				0	0.0	15-15		06/29/2005	0643
MS	249300-1	W02PHESPK1	0.034			0.030	0	113.3	69-142		06/29/2005	0643

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Fax (845) 562-0841

QUALITY CONTROL RESULTS

Job Number.: 249239

Report Date.: 07/19/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YOR.

ATTN: Christen Craig

Test Method.....: EPA 160.1

Batch.....: 93065

Analyst....: lms

Method Description.: Solids, Total Dissolved (TDS)

Units.....: mg/L

Test Code.: TDS

Parameter.....: Solids, Total Dissolved (TDS)

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MD	249239-9		242				224	7.7	15-15		06/28/2005	1500

Test Method.....: EPA 300.0

Batch.....: 92815

Analyst....: bg

Method Description.: Ion Chromatography Analysis

Units.....: mg/L

Test Code.: S04

Parameter.....: Sulfate

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MD	249239-8		12.46				11.5	8.0	20-20		06/23/2005	1304
MS	249239-8	W031CSPK01	23.77			10.0	11.5	122.7	80-120	N	06/23/2005	1315

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ANALYTICAL REPORT

JOB NUMBER: 249337

Prepared For:

C&S Engineers
499 Col. Eileen Collins Blvd
Syracuse, New York 13212

Attention: Christen Craig

Date: 07/22/2005

Renee M. Cusack
Signature

7/22/05
Date

Name: Richard E. Bayer

Title: Project Manager

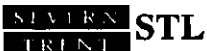
E-Mail: rickbayer@stl-inc.com

315 Fullerton Avenue
Newburgh, NY 12550

PHONE: (845) 562-0890
FAX: (845) 562-0841

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SAMPLE INFORMATION

Date: 07/22/2005

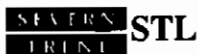
Job Number.: 249337
Customer.: C&S Engineers
Attn.: Christen Craig

Project Number.: 20001613
Customer Project ID.: OCLF,GOSHEN, NEW YDR
Project Description.: OCLF,Goshen, New York

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
249337-1	PZ-4	Water	06/23/2005	09:52	06/23/2005	14:15
249337-2	PZ-1	Water	06/23/2005	11:52	06/23/2005	14:15
249337-3	MH-7	Water	06/23/2005	10:49	06/23/2005	14:15

2 of 29

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Fax (845) 562-0841

LABORATORY CHRONICLE

Job Number: 249337

Date: 07/22/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Lab ID: 249337-1 Client ID: PZ-4		Date Recvd: 06/23/2005		Sample Date: 06/23/2005		DILUTION
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	
EPA 200.7	Acid Digestion, Total Recoverable(ICAP)	1	92827			06/24/2005 1145
EPA 200.7	Acid Digestion, Total Recoverable(ICAP)	1	92820			06/27/2005 1100
SM18 2320B	Alkalinity	1	93249			07/01/2005 1659
SM18 5210B	Biochemical Oxygen Demand (BOD/CBOD)	1	94281			06/24/2005 0823
HACH 8000	Chemical Oxygen Demand (HACH)	1	94284			06/24/2005 0800
SM18 4500Cl	Chloride	1	94285			07/13/2005 1300
SM18 2120B	Color	1	92941			06/24/2005 1630
SM18 4500CNE	Cyanide, Total	1	93086			06/28/2005 0810
EPA 200.7	Hardness by calculation	1	93020			06/27/2005 2056
EPA 200.7	Hardness by calculation	1	93621			07/06/2005 1821
SM18 3500CrD	Hexavalent Chromium	1	94287			06/23/2005 1915
EPA 300.0	Ion Chromatography Analysis	1	94283			06/24/2005 1149
EPA 245.1	Mercury (CVAA)	1	93404			07/06/2005 2144
EPA 245.1	Mercury (CVAA)	1	93404			07/06/2005 2146
EPA 200.7	Metals Analysis (ICP)	1	93016			06/27/2005 2056
EPA 200.7	Metals Analysis (ICP)	1	93420	92820		07/06/2005 1821
EPA 200.7	Metals Analysis (ICP)	1	93612	92820		07/07/2005 2042
LAC 11107041A	Nitrate-Nitrite	1	94288			06/30/2005 1334
SM18 4500NH3E	Nitrogen, Ammonia (Distillation)	1	94280			07/13/2005 1630
LAC 10107062D	Nitrogen, Total Kjeldahl	1	94289			07/07/2005 0303
LAC 10210001A	Phenolics, Total Recoverable	1	94292			06/29/2005 0702
QA Services	Quality Assurance Services	1	94297			
QA Services	Quality Assurance Services	1	94299			
EPA 160.1	Solids, Total Dissolved (TDS)	1	93298			06/29/2005 1615
SM18 5310C	Total Organic Carbon (TOC)	1	94259			07/01/2005 1147
SW846 8260B	Volatile Organics	1	93788			06/30/2005 0000

Lab ID: 249337-2 Client ID: PZ-1		Date Recvd: 06/23/2005		Sample Date: 06/23/2005		DILUTION
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	
EPA 200.7	Acid Digestion, Total Recoverable(ICAP)	1	92827			06/24/2005 1145
EPA 200.7	Acid Digestion, Total Recoverable(ICAP)	1	92820			06/27/2005 1100
SM18 2320B	Alkalinity	1	93249			07/01/2005 1709
SM18 5210B	Biochemical Oxygen Demand (BOD/CBOD)	1	94281			06/24/2005 0824
HACH 8000	Chemical Oxygen Demand (HACH)	1	94284			06/24/2005 0800
SM18 4500Cl	Chloride	1	94285			07/13/2005 1300
SM18 2120B	Color	1	92941			06/24/2005 1635
SM18 4500CNE	Cyanide, Total	1	93086			06/28/2005 0810
EPA 200.7	Hardness by calculation	1	93020			06/27/2005 2101
EPA 200.7	Hardness by calculation	1	93621			07/06/2005 1827
SM18 3500CrD	Hexavalent Chromium	1	94287			06/23/2005 1915
EPA 300.0	Ion Chromatography Analysis	1	94283			06/24/2005 1158
EPA 245.1	Mercury (CVAA)	1	93404			07/06/2005 2148
EPA 245.1	Mercury (CVAA)	1	93404			07/06/2005 2150
EPA 200.7	Metals Analysis (ICP)	1	93016			06/27/2005 2101
EPA 200.7	Metals Analysis (ICP)	1	93420	92820		07/06/2005 1827
EPA 200.7	Metals Analysis (ICP)	1	93612	92820		07/07/2005 2047
EPA 200.7	Metals Analysis (ICP)	1	93824	92820		07/13/2005 1248
LAC 11107041A	Nitrate-Nitrite	1	94288			06/30/2005 1335
SM18 4500NH3E	Nitrogen, Ammonia (Distillation)	1	94280			07/13/2005 1630
LAC 10107062D	Nitrogen, Total Kjeldahl	1	94289			07/07/2005 0304
LAC 10210001A	Phenolics, Total Recoverable	1	94292			06/29/2005 0702
QA Services	Quality Assurance Services	1	94297			
QA Services	Quality Assurance Services	1	94299			
EPA 160.1	Solids, Total Dissolved (TDS)	1	93298			06/29/2005 1615
SM18 5310C	Total Organic Carbon (TOC)	1	94259			07/01/2005 1147

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Tel (845) 562-0890
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LABORATORY CHRONICLE

Job Number: 249337

Date: 07/22/2005

CUSTOMER: C&S Engineers

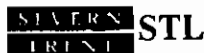
PROJECT: OCLF, GOSHEN, NEW YOR

ATTN: Christen Craig

Lab ID: 249337-2	Client ID: PZ-1	Date Recvd: 06/23/2005	Sample Date: 06/23/2005		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)
SW846 8260B	Volatile Organics	1	93788		
				DATE/TIME ANALYZED	DILUTION
				06/30/2005	0000
Lab ID: 249337-3	Client ID: MH-7	Date Recvd: 06/23/2005	Sample Date: 06/23/2005		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)	1	92820		
SM18 2320B	Alkalinity	1	93249		
SM18 5210B	Biochemical Oxygen Demand (BOD/CBOD)	1	94281		
HACH 8000	Chemical Oxygen Demand (HACH)	1	94284		
SM18 4500Cl	Chloride	1	94285		
SM18 2120B	Color	1	92941		
SM18 4500CNE	Cyanide, Total	1	93086		
EPA 200.7	Hardness by calculation	1	93621		
SM18 3500CrD	Hexavalent Chromium	1	94287		
EPA 300.0	Ion Chromatography Analysis	1	94283		
EPA 300.0	Ion Chromatography Analysis	1	94283		
EPA 245.1	Mercury (CVAA)	1	93404		
EPA 200.7	Metals Analysis (ICP)	1	93420	92820	
EPA 200.7	Metals Analysis (ICP)	1	93612	92820	
EPA 200.7	Metals Analysis (ICP)	1	93824	92820	
EPA 200.7	Metals Analysis (ICP)	1	93824	92820	
LAC 11107041A	Nitrate-Nitrite	1	94288		
SM18 4500NH3E	Nitrogen, Ammonia (Distillation)	1	94280		
LAC 10107062D	Nitrogen, Total Kjeldahl	1	94290		
LAC 10210001A	Phenolics, Total Recoverable	1	94292		
EPA 160.1	Solids, Total Dissolved (TDS)	1	93298		
SM18 5310C	Total Organic Carbon (TOC)	1	94291		
SW846 8260B	Volatile Organics	1	93788		
				DATE/TIME ANALYZED	DILUTION
				06/27/2005	1100
				07/01/2005	1718
				06/24/2005	0826
				06/24/2005	0800
				07/13/2005	1300
				06/24/2005	1640
				06/28/2005	0810
				07/06/2005	1832
				06/23/2005	1915
				06/24/2005	1208
				06/24/2005	1435
				07/06/2005	2152
				07/06/2005	1832
				07/07/2005	2052
				07/13/2005	1259
				07/13/2005	1407
				06/30/2005	1336
				07/13/2005	1630
				07/15/2005	1433
				06/29/2005	0703
				06/29/2005	1615
				07/08/2005	1312
				06/30/2005	0000

4 of 29

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QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 07/22/2005

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements will be noted in a case narrative.

Report Comments

- 1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
- 2) Soil, sediment and sludge sample results are reported on a "dry weight" basis.
- 3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

Glossary of flags and qualifiers.

Inorganic Qualifiers (Q-Column)

- U Indicates that the compound was analyzed for but not detected.
- 1 Result fails applicable drinking water standards.
- * Duplicate analysis not within control limits.
- N Spiked sample recovery not within control limits.
- E Indicates an estimated value because of the presence of interferences.
- W Post digestion spike for furnace AA analysis is out of the control limits (85-115%) while sample absorbance is less than 50% of spike absorbance.
- + Correlation coefficient for the MSA is less than 0.995
- B The reported value is less than the Contract Required Detection Limit (CRDL), but greater than the Instrument Detection Limit (IDL).

Organic Qualifiers (Q-Column)

- U Indicates that the compound was analyzed for but not detected.
- J Indicates an estimated value. This compound meets the identification criteria, but the result is less than the specified detection limit.
- B Indicates that the analyte was found in both the sample and its associated laboratory blank.
- D Indicates all compounds identified in an analysis at a secondary dilution factor.
- E Indicates that the analyte in an analysis has exceeded the linear calibration range.
- RE Indicates a re-analyzed sample

Glossary of Terms

Surrogates (Surrogate Standards) - an organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process. For semi-volatiles, volatiles and pesticides/Aroclors, surrogate compounds are added to every blank, sample, matrix sample, matrix spike, matrix sample duplicate, matrix spike blank, and standard. These are used to evaluate analytical efficiency by measuring recovery. Poor surrogate recovery may indicate a problem with the sample composition.

Matrix Spike - an aliquot of a sample (water or soil) fortified (spiked) with known quantities of specific compounds (target analytes) and subjected to the entire analytical procedure in order to indicate the appropriateness of the method for the matrix by measuring recovery. The spiking occurs prior to sample preparation and analysis. Poor spike recovery may indicate a problem with the sample composition.

Internal Standards - an organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process. For GC/MS semi-volatiles and volatiles, internal standards are added to every blank, sample, matrix spike, matrix spike duplicate, matrix spike blank, and standard. Internal standard responses outside of established limits will adversely affect the quantitation and final concentration of target compounds.

Job Number: 249337

LABORATORY TEST RESULTS

Date: 07/13/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: PZ-4
 Date Sampled.....: 06/23/2005
 Time Sampled.....: 09:52
 Sample Matrix.....: Water

Laboratory Sample ID: 249337-1
 Date Received.....: 06/23/2005
 Time Received.....: 14:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SUB46 82608	Volatile Organics							
	Chloromethane	1.0	U		1.0	ug/L	06/30/05	dmcd
	Vinyl chloride	1.0	U		1.0	ug/L	06/30/05	dmcd
	Bromomethane	1.0	U		1.0	ug/L	06/30/05	dmcd
	Chloroethane	1.0	U		1.0	ug/L	06/30/05	dmcd
	Trichlorofluoromethane	1.0	U		1.0	ug/L	06/30/05	dmcd
	1,1-Dichloroethene	1.0	U		1.0	ug/L	06/30/05	dmcd
	Iodomethane	5.0	U		5.0	ug/L	06/30/05	dmcd
	Carbon disulfide	1.0	U		1.0	ug/L	06/30/05	dmcd
	Acetone	0.52	J		5.0	ug/L	06/30/05	dmcd
	Methylene chloride	1.0	U		1.0	ug/L	06/30/05	dmcd
	trans-1,2-Dichloroethene	1.0	U		1.0	ug/L	06/30/05	dmcd
	Acrylonitrile	10	U		10	ug/L	06/30/05	dmcd
	1,1-Dichloroethane	1.0	U		1.0	ug/L	06/30/05	dmcd
	Vinyl acetate	1.0	U		1.0	ug/L	06/30/05	dmcd
	cis-1,2-Dichloroethene	1.0	U		1.0	ug/L	06/30/05	dmcd
	2-Butanone (MEK)	2.5	U		2.5	ug/L	06/30/05	dmcd
	Bromochloromethane	1.0	U		1.0	ug/L	06/30/05	dmcd
	Chloroform	1.0	U		1.0	ug/L	06/30/05	dmcd
	1,1,1-Trichloroethane	1.0	U		1.0	ug/L	06/30/05	dmcd
	Carbon tetrachloride	1.0	U		1.0	ug/L	06/30/05	dmcd
	Benzene	1.0	U		1.0	ug/L	06/30/05	dmcd
	1,2-Dichloroethane	1.0	U		1.0	ug/L	06/30/05	dmcd
	Trichloroethene	1.0	U		1.0	ug/L	06/30/05	dmcd
	1,2-Dichloropropane	1.0	U		1.0	ug/L	06/30/05	dmcd
	Dibromomethane	1.0	U		1.0	ug/L	06/30/05	dmcd
	Bromodichloromethane	1.0	U		1.0	ug/L	06/30/05	dmcd
	cis-1,3-Dichloropropene	1.0	U		1.0	ug/L	06/30/05	dmcd
	4-Methyl-2-pentanone (MIBK)	2.5	U		2.5	ug/L	06/30/05	dmcd
	Toluene	1.0	U		1.0	ug/L	06/30/05	dmcd
	trans-1,3-Dichloropropene	1.0	U		1.0	ug/L	06/30/05	dmcd
	1,1,2-Trichloroethane	1.0	U		1.0	ug/L	06/30/05	dmcd
	Tetrachloroethene	1.0	U		1.0	ug/L	06/30/05	dmcd
	2-Hexanone	2.5	U		2.5	ug/L	06/30/05	dmcd
	Dibromochloromethane	1.0	U		1.0	ug/L	06/30/05	dmcd
	1,2-Dibromoethane (EDB)	1.0	U		1.0	ug/L	06/30/05	dmcd
	Chlorobenzene	1.0	U		1.0	ug/L	06/30/05	dmcd
	1,1,1,2-Tetrachloroethane	1.0	U		1.0	ug/L	06/30/05	dmcd
	Ethylbenzene	1.0	U		1.0	ug/L	06/30/05	dmcd
	Styrene	1.0	U		1.0	ug/L	06/30/05	dmcd
	Bromoform	1.0	U		1.0	ug/L	06/30/05	dmcd
	trans-1,4-Dichloro-2-butene	1.0	U		1.0	ug/L	06/30/05	dmcd
	1,1,2,2-Tetrachloroethane	1.0	U		1.0	ug/L	06/30/05	dmcd
	1,2,3-Trichloropropene	1.0	U		1.0	ug/L	06/30/05	dmcd
	Xylenes (total)	1.0	U		1.0	ug/L	06/30/05	dmcd
	1,4-Dichlorobenzene	1.0	U		1.0	ug/L	06/30/05	dmcd
	1,2-Dichlorobenzene	1.0	U		1.0	ug/L	06/30/05	dmcd
	1,2-Dibromo-3-chloropropane	1.0	U		1.0	ug/L	06/30/05	dmcd

* In Description = Dry Wgt.

Page 2
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7 of 29



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 Newburgh, NY 12550
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 Fax (845) 562-0841

Job Number: 249337

LABORATORY TEST RESULTS

Date: 07/13/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: PZ-1
 Date Sampled.....: 06/23/2005
 Time Sampled.....: 11:52
 Sample Matrix.....: Water

Laboratory Sample ID: 249337-2
 Date Received.....: 06/23/2005
 Time Received.....: 14:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8260B	Volatile Organics							
	Chloromethane	1.0	U		1.0	ug/L	06/30/05	dmcd
	Vinyl chloride	1.0	U		1.0	ug/L	06/30/05	dmcd
	Bromomethane	1.0	U		1.0	ug/L	06/30/05	dmcd
	Chloroethane	1.0	U		1.0	ug/L	06/30/05	dmcd
	Trichlorofluoromethane	1.0	U		1.0	ug/L	06/30/05	dmcd
	1,1-Dichloroethene	1.0	U		1.0	ug/L	06/30/05	dmcd
	Iodomethane	5.0	U		5.0	ug/L	06/30/05	dmcd
	Carbon disulfide	1.0	U		1.0	ug/L	06/30/05	dmcd
	Acetone	5.0	U		5.0	ug/L	06/30/05	dmcd
	Methylene chloride	0.66	J		1.0	ug/L	06/30/05	dmcd
	trans-1,2-Dichloroethene	1.0	U		1.0	ug/L	06/30/05	dmcd
	Acrylonitrile	10	U		10	ug/L	06/30/05	dmcd
	1,1-Dichloroethane	1.0	U		1.0	ug/L	06/30/05	dmcd
	Vinyl acetate	1.0	U		1.0	ug/L	06/30/05	dmcd
	cis-1,2-Dichloroethene	1.0	U		1.0	ug/L	06/30/05	dmcd
	2-Butanone (MEK)	2.5	U		2.5	ug/L	06/30/05	dmcd
	Bromochloromethane	1.0	U		1.0	ug/L	06/30/05	dmcd
	Chloroform	1.0	U		1.0	ug/L	06/30/05	dmcd
	1,1,1-Trichloroethane	1.0	U		1.0	ug/L	06/30/05	dmcd
	Carbon tetrachloride	1.0	U		1.0	ug/L	06/30/05	dmcd
	Benzene	1.0	U		1.0	ug/L	06/30/05	dmcd
	1,2-Dichloroethane	1.0	U		1.0	ug/L	06/30/05	dmcd
	Trichloroethene	1.0	U		1.0	ug/L	06/30/05	dmcd
	1,2-Dichloropropane	1.0	U		1.0	ug/L	06/30/05	dmcd
	Dibromomethane	1.0	U		1.0	ug/L	06/30/05	dmcd
	Bromodichloromethane	1.0	U		1.0	ug/L	06/30/05	dmcd
	cis-1,3-Dichloropropene	1.0	U		1.0	ug/L	06/30/05	dmcd
	4-Methyl-2-pentanone (MIBK)	2.5	U		2.5	ug/L	06/30/05	dmcd
	Toluene	1.0	U		1.0	ug/L	06/30/05	dmcd
	trans-1,3-Dichloropropene	1.0	U		1.0	ug/L	06/30/05	dmcd
	1,1,2-Trichloroethane	1.0	U		1.0	ug/L	06/30/05	dmcd
	Tetrachloroethene	1.0	U		1.0	ug/L	06/30/05	dmcd
	2-Hexanone	2.5	U		2.5	ug/L	06/30/05	dmcd
	Dibromochloromethane	1.0	U		1.0	ug/L	06/30/05	dmcd
	1,2-Dibromoethane (EDB)	1.0	U		1.0	ug/L	06/30/05	dmcd
	Chlorobenzene	1.0	U		1.0	ug/L	06/30/05	dmcd
	1,1,1,2-Tetrachloroethane	1.0	U		1.0	ug/L	06/30/05	dmcd
	Ethylbenzene	1.0	U		1.0	ug/L	06/30/05	dmcd
	Styrene	1.0	U		1.0	ug/L	06/30/05	dmcd
	Bromoform	1.0	U		1.0	ug/L	06/30/05	dmcd
	trans-1,4-Dichloro-2-butene	1.0	U		1.0	ug/L	06/30/05	dmcd
	1,1,2,2-Tetrachloroethane	1.0	U		1.0	ug/L	06/30/05	dmcd
	1,2,3-Trichloropropane	1.0	U		1.0	ug/L	06/30/05	dmcd
	Xylenes (total)	1.0	U		1.0	ug/L	06/30/05	dmcd
	1,4-Dichlorobenzene	1.0	U		1.0	ug/L	06/30/05	dmcd
	1,2-Dichlorobenzene	1.0	U		1.0	ug/L	06/30/05	dmcd
	1,2-Dibromo-3-chloropropane	1.0	U		1.0	ug/L	06/30/05	dmcd

* In Description = Dry Wgt.

Page 3

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 Tel (845) 562-0890
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LABORATORY TEST RESULTS

Job Number: 249337

Date: 07/13/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MH-7
Date Sampled.....: 06/23/2005
Time Sampled.....: 10:49
Sample Matrix.....: Water

Laboratory Sample ID: 249337-3
Date Received.....: 06/23/2005
Time Received.....: 14:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAG	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8260B	Volatile Organics						
	Chloromethane	1.0	U	1.0	ug/L	06/30/05	clmd
	Vinyl chloride	1.0	U	1.0	ug/L	06/30/05	clmd
	Bromomethane	1.0	U	1.0	ug/L	06/30/05	clmd
	Chloroethane	1.3		1.0	ug/L	06/30/05	clmd
	Trichlorofluoromethane	1.0	U	1.0	ug/L	06/30/05	clmd
	1,1-Dichloroethene	1.0	U	1.0	ug/L	06/30/05	clmd
	Iodomethane	5.0	U	5.0	ug/L	06/30/05	clmd
	Carbon disulfide	1.0	U	1.0	ug/L	06/30/05	clmd
	Acetone	9.0		5.0	ug/L	06/30/05	clmd
	Methylene chloride	0.83	J	1.0	ug/L	06/30/05	clmd
	trans-1,2-Dichloroethene	1.0	U	1.0	ug/L	06/30/05	clmd
	Acrylonitrile	10	U	10	ug/L	06/30/05	clmd
	1,1-Dichloroethane	1.0	U	1.0	ug/L	06/30/05	clmd
	Vinyl acetate	1.0	U	1.0	ug/L	06/30/05	clmd
	cis-1,2-Dichloroethene	1.0	U	1.0	ug/L	06/30/05	clmd
	2-Butanone (MEK)	2.5	U	2.5	ug/L	06/30/05	clmd
	Bromochloromethane	1.0	U	1.0	ug/L	06/30/05	clmd
	Chloroform	1.0	U	1.0	ug/L	06/30/05	clmd
	1,1,1-Trichloroethane	1.0	U	1.0	ug/L	06/30/05	clmd
	Carbon tetrachloride	1.0	U	1.0	ug/L	06/30/05	clmd
	Benzene	16		1.0	ug/L	06/30/05	clmd
	1,2-Dichloroethane	1.0	U	1.0	ug/L	06/30/05	clmd
	Trichloroethene	1.0	U	1.0	ug/L	06/30/05	clmd
	1,2-Dichloropropane	1.0	U	1.0	ug/L	06/30/05	clmd
	Dibromomethane	1.0	U	1.0	ug/L	06/30/05	clmd
	Bromodichloromethane	1.0	U	1.0	ug/L	06/30/05	clmd
	cis-1,3-Dichloropropene	1.0	U	1.0	ug/L	06/30/05	clmd
	4-Methyl-2-pentanone (MIBK)	2.5	U	2.5	ug/L	06/30/05	clmd
	Toluene	0.56	J	1.0	ug/L	06/30/05	clmd
	trans-1,3-Dichloropropene	1.0	U	1.0	ug/L	06/30/05	clmd
	1,1,2-Trichloroethane	1.0	U	1.0	ug/L	06/30/05	clmd
	Tetrachloroethene	1.0	U	1.0	ug/L	06/30/05	clmd
	2-Hexanone	2.5	U	2.5	ug/L	06/30/05	clmd
	Dibromochloromethane	1.0	U	1.0	ug/L	06/30/05	clmd
	1,2-Dibromoethane (EDB)	1.0	U	1.0	ug/L	06/30/05	clmd
	Chlorobenzene	39		1.0	ug/L	06/30/05	clmd
	1,1,1,2-Tetrachloroethane	1.0	U	1.0	ug/L	06/30/05	clmd
	Ethylbenzene	18		1.0	ug/L	06/30/05	clmd
	Styrene	1.0	U	1.0	ug/L	06/30/05	clmd
	Bromoform	1.0	U	1.0	ug/L	06/30/05	clmd
	trans-1,4-Dichloro-2-butene	1.0	U	1.0	ug/L	06/30/05	clmd
	1,1,2,2-Tetrachloroethane	1.0	U	1.0	ug/L	06/30/05	clmd
	1,2,3-Trichloropropane	1.0	U	1.0	ug/L	06/30/05	clmd
	Xylenes (total)	18		1.0	ug/L	06/30/05	clmd
	1,4-Dichlorobenzene	7.4		1.0	ug/L	06/30/05	clmd
	1,2-Dichlorobenzene	0.99	J	1.0	ug/L	06/30/05	clmd
	1,2-Dibromo-3-chloropropane	1.0	U	1.0	ug/L	06/30/05	clmd

* In Description = Dry Wgt.

Page 4

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9 of 29



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3BS
WATER VOLATILE BLANK SPIKE RECOVERY

Lab Name: STL Newburgh Contract: _____
 Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 249337
 Matrix Spike - EPA Sample No. VBSPK029

COMPOUND	SPIKE ADDED (ug/L)	BS CONCENTRATION (ug/L)	BS % REC #	QC LIMITS REC.
1,1-Dichloroethene	20	21	105	73 - 133
Trichloroethene	20	21	105	74 - 127
Benzene	20	21	105	73 - 131
Toluene	20	21	105	81 - 123
Chlorobenzene	20	21	105	77 - 127

Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS: _____

10 of 29

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: STL Newburgh Contract: _____
 Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 249337
 Matrix Spike - EPA Sample No MW-303D

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	20	0	20	100	73 - 133
Trichloroethene	20	0	20	100	74 - 127
Benzene	20	0	21	105	73 - 131
Toluene	20	0	21	105	81 - 123
Chlorobenzene	20	0	21	105	77 - 127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
1,1-Dichloroethene	20	20	100	0	14	73 - 133
Trichloroethene	20	20	100	0	14	74 - 127
Benzene	20	20	100	5	11	73 - 131
Toluene	20	20	100	5	13	81 - 123
Chlorobenzene	20	21	105	0	13	77 - 127

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

11 of 29

LABORATORY TEST RESULTS											
Job Number: 249337		Date:07/22/2005									
CUSTOMER: C&S Engineers		PROJECT: OCLF, GOSHEN, NEW YORK									
ATTN: Christen Craig											
Customer Sample ID: PZ-4 Laboratory Sample ID: 249337-1 Date Sampled.....: 06/23/2005 Date Received.....: 06/23/2005 Time Sampled.....: 09:52 Time Received.....: 14:15 Sample Matrix.....: Water											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	BATCH	DT	DATE	TECH
EPA 245.1	Mercury (Hg)	0.16	U	0.16	0.20	1	ug/L	93404		07/06/05	lms
EPA 245.1	Mercury (Hg), Diss.	0.16	U	0.16	0.20	1	ug/L	93404		07/06/05	lms
EPA 200.7	Hardness by calculation Hardness, Total as CaCO3 Hardness, Total as CaCO3, Diss.	249 54.0			2.50 2.50	1 1	mg/L mg/L	93621 93020		07/06/05 06/27/05	mad mad
EPA 200.7	Metals Analysis (ICP)										
	Aluminum (Al)	2460		16.3	200	1	ug/L	93420		07/06/05	rnc
	Aluminum (Al), Diss.	19.5	B	10.4	200	1	ug/L	93016		06/27/05	mad
	Antimony (Sb)	4.4	U	4.4	60.0	1	ug/L	93420		07/06/05	rnc
	Antimony (Sb), Diss.	2.5	U	2.5	60.0	1	ug/L	93016		06/27/05	mad
	Arsenic (As)	27.9		2.7	10.0	1	ug/L	93420		07/06/05	rnc
	Arsenic (As), Diss.	3.8	B	3.1	10.0	1	ug/L	93016		06/27/05	mad
	Barium (Ba)	104	B	3.1	200	1	ug/L	93420		07/06/05	rnc
	Barium (Ba), Diss.	63.7	B	7.1	200	1	ug/L	93016		06/27/05	mad
	Beryllium (Be)	0.30	U	0.30	5.0	1	ug/L	93420		07/06/05	rnc
	Beryllium (Be), Diss.	0.40	U	0.40	5.0	1	ug/L	93016		06/27/05	mad
	Boron (B)	175	U	4.7	50.0	1	ug/L	93420		07/06/05	rnc
	Boron (B), Diss.	130	U	3.7	50.0	1	ug/L	93016		06/27/05	mad
	Cadmium (Cd)	0.50	U	0.50	5.0	1	ug/L	93420		07/06/05	rnc
	Cadmium (Cd), Diss.	0.80	U	0.80	5.0	1	ug/L	93016		06/27/05	mad
	Calcium (Ca)	62700		41.9	5000	1	ug/L	93420		07/06/05	rnc
	Calcium (Ca), Diss.	52500		58.0	5000	1	ug/L	93016		06/27/05	mad
	Chromium (Cr)	3.4	B	0.60	10.0	1	ug/L	93420		07/06/05	rnc
	Chromium (Cr), Diss.	0.90	U	0.90	10.0	1	ug/L	93016		06/27/05	mad
	Cobalt (Co)	2.8	B	2.0	50.0	1	ug/L	93420		07/06/05	rnc

12 of 29

* In Description = Dry Wgt.

LABORATORY TEST RESULTS																	
Job Number: 249337			Date:07/22/2005														
CUSTOMER: C&S Engineers			PROJECT: OCLF,GOSHEN, NEW YOR			ATTN: Christen Craig											
Customer Sample ID: P2-4			Laboratory Sample ID: 249337-1														
Date Sampled.....: 06/23/2005			Date Received.....: 06/23/2005														
Time Sampled.....: 09:52			Time Received.....: 14:15														
Sample Matrix.....: Water																	
TEST METHOD	PARAMETER/TEST DESCRIPTION		SAMPLE RESULT	Q	FLAGS	IDL	RL	DILUTION	UNITS	BATCH	DT	DATE	TECH				
13 of 29	Cobalt (Co), Diss.		1.9	U		1.9	50.0	1	ug/L	93016		06/27/05	mad				
	Copper (Cu)		8.6	B		2.5	25.0	1	ug/L	93420		07/06/05	rnc				
	Copper (Cu), Diss.		2.0	B		1.2	25.0	1	ug/L	93016		06/27/05	mad				
	Iron (Fe)		4380		N*	17.6	100	1	ug/L	93420		07/06/05	rnc				
	Iron (Fe), Diss.		7.7	U		7.7	100	1	ug/L	93016		06/27/05	mad				
	Lead (Pb)		3.5	B		1.7	5.0	1	ug/L	93420		07/06/05	rnc				
	Lead (Pb), Diss.		1.9	U		1.9	5.0	1	ug/L	93016		06/27/05	mad				
	Magnesium (Mg)		15500			11.2	5000	1	ug/L	93420		07/06/05	rnc				
	Magnesium (Mg), Diss.		13200			16.6	5000	1	ug/L	93016		06/27/05	mad				
	Manganese (Mn)		771			1.1	10.0	1	ug/L	93420		07/06/05	rnc				
	Manganese (Mn), Diss.		2.1	U		2.1	10.0	1	ug/L	93016		06/27/05	mad				
	Nickel (Ni)		5.7	B		1.7	40.0	1	ug/L	93420		07/06/05	rnc				
	Nickel (Ni), Diss.		2.3	U		2.3	40.0	1	ug/L	93016		06/27/05	mad				
	Potassium (K)		2180	B		142	5000	1	ug/L	93420		07/06/05	rnc				
	Potassium (K), Diss.		1300	B		38.6	5000	1	ug/L	93016		06/27/05	mad				
	Selenium (Se)		3.9	U	M	3.9	10.0	1	ug/L	93612		07/07/05	mad				
	Selenium (Se), Diss.		3.9	U		3.9	10.0	1	ug/L	93016		06/27/05	mad				
	Silver (Ag)		1.2	B	N	1.1	10.0	1	ug/L	93420		07/06/05	rnc				
	Silver (Ag), Diss.		1.1	U		1.1	10.0	1	ug/L	93016		06/27/05	mad				
	Sodium (Na)		32500			158	5000	1	ug/L	93420		07/06/05	rnc				
	Sodium (Na), Diss.		27000			10.6	5000	1	ug/L	93016		06/27/05	mad				
	Thallium (Tl)		4.1	B		2.3	10.0	1	ug/L	93420		07/06/05	rnc				
	Thallium (Tl), Diss.		2.9	U		2.9	10.0	1	ug/L	93016		06/27/05	mad				
	Vanadium (V)		4.9	B		3.1	50.0	1	ug/L	93420		07/06/05	rnc				
	Vanadium (V), Diss.		2.0	U		2.0	50.0	1	ug/L	93016		06/27/05	mad				
	Zinc (Zn)		161			3.6	20.0	1	ug/L	93420		07/06/05	rnc				
	Zinc (Zn), Diss.		3.2	B		2.5	20.0	1	ug/L	93016		06/27/05	mad				

* In Description = Dry Wgt.

LABORATORY TEST RESULTS												
Job Number: 249337					Date: 07/22/2005							
CUSTOMER: C&S Engineers					PROJECT: OCLF, GOSHEN, NEW YORK							
ATTN: Christen Craig												
Customer Sample ID: PZ-1 Laboratory Sample ID: 249337-2 Date Sampled.....: 06/23/2005 Date Received.....: 06/23/2005 Time Sampled.....: 11:52 Time Received.....: 14:15 Sample Matrix.....: Water												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	IDL	RL	DILUTION	UNITS	BATCH	DT	DATE	TECH
EPA 245.1	Mercury (Hg)	0.16	U		0.16	0.20	1	ug/L	93404		07/06/05	lms
EPA 245.1	Mercury (Hg), Diss.	0.16	U		0.16	0.20	1	ug/L	93404		07/06/05	lms
EPA 200.7	Hardness by calculation Hardness, Total as CaCO3 Hardness, Total as CaCO3, Diss.	98.0 17.3				2.50 2.50	1 1	mg/L mg/L	93621 93020		07/06/05 06/27/05	mad mad
EPA 200.7	Metals Analysis (ICP)											
	Aluminum (Al)	63.8	B	*	16.3	200	1	ug/L	93420		07/06/05	rnc
	Aluminum (Al), Diss.	17.8	B		10.4	200	1	ug/L	93016		06/27/05	mad
	Antimony (Sb)	4.4	U		4.4	60.0	1	ug/L	93420		07/06/05	rnc
	Antimony (Sb), Diss.	2.5	U		2.5	60.0	1	ug/L	93016		06/27/05	mad
	Arsenic (As)	15.7	U		2.7	10.0	1	ug/L	93420		07/06/05	rnc
	Arsenic (As), Diss.	3.1	U		3.1	10.0	1	ug/L	93016		06/27/05	mad
	Barium (Ba)	8.8	B		3.1	200	1	ug/L	93420		07/06/05	rnc
	Barium (Ba), Diss.	9.1	B		7.1	200	1	ug/L	93016		06/27/05	mad
	Beryllium (Be)	0.30	U		0.30	5.0	1	ug/L	93420		07/06/05	rnc
	Beryllium (Be), Diss.	0.40	U		0.40	5.0	1	ug/L	93016		06/27/05	mad
	Boron (B)	29.2	B	N	4.7	50.0	1	ug/L	93420		07/06/05	rnc
	Boron (B), Diss.	25.5	B		3.7	50.0	1	ug/L	93016		06/27/05	mad
	Cadmium (Cd)	1.4	B		0.50	5.0	1	ug/L	93420		07/06/05	rnc
	Cadmium (Cd), Diss.	0.80	U		0.80	5.0	1	ug/L	93016		06/27/05	mad
	Calcium (Ca)	32000			41.9	5000	1	ug/L	93420		07/06/05	rnc
	Calcium (Ca), Diss.	29300			58.0	5000	1	ug/L	93016		06/27/05	mad
	Chromium (Cr)	0.60	U		0.60	10.0	1	ug/L	93420		07/06/05	rnc
	Chromium (Cr), Diss.	0.90	U		0.90	10.0	1	ug/L	93016		06/27/05	mad
	Cobalt (Co)	2.0	U		2.0	50.0	1	ug/L	93420		07/06/05	rnc

14 of 29

14 of 29

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 249337

Date: 07/22/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: PZ-1

Date Sampled.....: 06/23/2005

Time Sampled.....: 11:52

Sample Matrix.....: Water

Laboratory Sample ID: 249337-2

Date Received.....: 06/23/2005

Time Received.....: 14:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	IOL	RL	DILUTION	UNITS	BATCH	DT	DATE	TECH
	Cobalt (Co), Diss.	1.9	U		1.9	50.0	1	ug/L	93016		06/27/05	mad
	Copper (Cu)	5.6	B		2.5	25.0	1	ug/L	93420		07/06/05	rnc
	Copper (Cu), Diss.	2.4	B		1.2	25.0	1	ug/L	93016		06/27/05	mad
	Iron (Fe)	168	B	N*	17.6	100	1	ug/L	93420		07/06/05	rnc
	Iron (Fe), Diss.	15.9	B		7.7	100	1	ug/L	93016		06/27/05	mad
	Lead (Pb)	1.7	U		1.7	5.0	1	ug/L	93420		07/06/05	rnc
	Lead (Pb), Diss.	1.9	U		1.9	5.0	1	ug/L	93016		06/27/05	mad
	Magnesium (Mg)	4390	B		11.2	5000	1	ug/L	93420		07/06/05	rnc
	Magnesium (Mg), Diss.	4210	B		16.6	5000	1	ug/L	93016		06/27/05	mad
	Manganese (Mn)	408	B		1.1	10.0	1	ug/L	93420		07/06/05	rnc
	Manganese (Mn), Diss.	319	B		2.1	10.0	1	ug/L	93016		06/27/05	mad
	Nickel (Ni)	4.3	B		1.7	40.0	1	ug/L	93420		07/06/05	rnc
	Nickel (Ni), Diss.	2.9	B		2.3	40.0	1	ug/L	93016		06/27/05	mad
	Potassium (K)	10400	B		77.2	10000	2	ug/L	93824		07/13/05	mad
	Potassium (K), Diss.	9580	B		38.6	5000	1	ug/L	93016		06/27/05	mad
	Selenium (Se)	3.9	U	N	3.9	10.0	1	ug/L	93612		07/07/05	mad
	Selenium (Se), Diss.	3.9	U		3.9	10.0	1	ug/L	93016		06/27/05	mad
	Silver (Ag)	1.1	U	N	1.1	10.0	1	ug/L	93420		07/06/05	rnc
	Silver (Ag), Diss.	1.1	U		1.1	10.0	1	ug/L	93016		06/27/05	mad
	Sodium (Na)	4780	B		158	5000	1	ug/L	93420		07/06/05	rnc
	Sodium (Na), Diss.	3560	B		10.6	5000	1	ug/L	93016		06/27/05	mad
	Thallium (Tl)	2.3	U		2.3	10.0	1	ug/L	93420		07/06/05	rnc
	Thallium (Tl), Diss.	2.9	U		2.9	10.0	1	ug/L	93016		06/27/05	mad
	Vanadium (V)	3.1	U		3.1	50.0	1	ug/L	93420		07/06/05	rnc
	Vanadium (V), Diss.	2.0	U		2.0	50.0	1	ug/L	93016		06/27/05	mad
	Zinc (Zn)	38.5	U		3.6	20.0	1	ug/L	93420		07/06/05	rnc
	Zinc (Zn), Diss.	31.5	U		2.5	20.0	1	ug/L	93016		06/27/05	mad

15 of 29

* In Description = Dry Wgt.

Job Number: 249337

LABORATORY TEST RESULTS

Date: 07/22/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MH-7

Date Sampled: 06/23/2005

Time Sampled: 10:49

Sample Matrix: Water

Laboratory Sample ID: 249337-3

Date Received: 06/23/2005

Time Received: 14:15

ATTN: Christen Craig

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	BATCH	DT	DATE	TECH
EPA 245.1	Mercury (Hg)	0.16	U	0.16	0.20	1	ug/L	93404		07/06/05	lms
EPA 200.7	Hardness by calculation Hardness, Total as CaCO3	626			2.50	1	mg/L	93621		07/06/05	med
EPA 200.7	Metals Analysis (ICP)										
	Aluminum (Al)	1240	*	16.3	200	1	ug/L	93420		07/06/05	rnc
	Antimony (Sb)	10.5	B	4.4	60.0	1	ug/L	93420		07/06/05	rnc
	Arsenic (As)	45.0		2.7	10.0	1	ug/L	93420		07/06/05	rnc
	Barium (Ba)	326		3.1	200	1	ug/L	93420		07/06/05	rnc
	Beryllium (Be)	0.30	U	0.30	5.0	1	ug/L	93420		07/06/05	rnc
	Boron (B)	2850	N	4.7	50.0	1	ug/L	93420		07/06/05	rnc
	Cadmium (Cd)	1.0	B	0.50	5.0	1	ug/L	93420		07/06/05	rnc
	Calcium (Ca)	119000		41.9	5000	1	ug/L	93420		07/06/05	rnc
	Chromium (Cr)	6.2	B	0.60	10.0	1	ug/L	93420		07/06/05	rnc
	Cobalt (Co)	27.2	B	2.0	50.0	1	ug/L	93420		07/06/05	rnc
	Copper (Cu)	3.2	B	2.5	25.0	1	ug/L	93420		07/06/05	rnc
	Iron (Fe)	39000	N*	17.6	100	1	ug/L	93420		07/06/05	rnc
	Lead (Pb)	10.8		1.7	5.0	1	ug/L	93420		07/06/05	rnc
	Magnesium (Mg)	79900		11.2	5000	1	ug/L	93420		07/06/05	rnc
	Manganese (Mn)	656		1.1	10.0	1	ug/L	93420		07/06/05	rnc
	Nickel (Ni)	96.6		1.7	40.0	1	ug/L	93420		07/06/05	rnc
	Potassium (K)	216000		1540	200000	40.00	ug/L	93824		07/13/05	med
	Selenium (Se)	3.9	U	3.9	10.0	1	ug/L	93612		07/07/05	med
	Silver (Ag)	1.1	U	1.1	10.0	1	ug/L	93420		07/06/05	rnc
	Sodium (Na)	42000	N	10.6	5000	1	ug/L	93824		07/13/05	med
	Thallium (Tl)	2.3	U	2.3	10.0	1	ug/L	93420		07/06/05	rnc
	Vanadium (V)	6.4	B	3.1	50.0	1	ug/L	93420		07/06/05	rnc

16 of 29

16 of 29

* In Description = Dry Wgt.

Job Number: 249337		LABORATORY TEST RESULTS					Date: 07/22/2005			
CUSTOMER: C&S Engineers		PROJECT: OCLF, GOSHEN, NEW YORK					ATTN: Christen Craig			
Customer Sample ID: MH-7 Date Sampled: 06/23/2005 Time Sampled: 10:49 Sample Matrix: Water		Laboratory Sample ID: 249337-3 Date Received: 06/23/2005 Time Received: 14:15								
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	BATCH ID	DATE	TECH
	Zinc (Zn)	22.0		3.6	20.0	1	ug/L	93420	07/06/05	rnc

LABORATORY TEST RESULTS

Job Number: 249337

Date: 07/21/2005

CUSTOMER: C&S Engineers

PROJECT: DCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: P2-4
 Date Sampled.....: 06/23/2005
 Time Sampled.....: 09:52
 Sample Matrix.....: Water

Laboratory Sample ID: 249337-1
 Date Received.....: 06/23/2005
 Time Received.....: 14:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.1	Solids, Total Dissolved (TDS)	280			5.0	mg/L	06/29/05	lms
SM18 2120B	Color	20			2.5	Pt/Co	06/24/05	ajg
SM18 2320B	Alkalinity, Total as CaCO3	249			5.00	mg/L	07/01/05	rnc
SM18 3500CrD	Hexavalent Chromium	0.010	U		0.010	mg/L	06/23/05	jpp
SM18 4500CL	Chloride	5.0	U		5.0	mg/L	07/13/05	vvm
SM18 4500CNE	Cyanide, Total	0.0100	U		0.0100	mg/L	06/28/05	bg
SM18 4500NH3E	Ammonia (NH3), as N	1.00	U		1.00	mg/L	07/13/05	zhh
SM18 5210B	Biochemical Oxygen Demand (BOD5)	4.00	U		4.00	mg/L	06/24/05	rnc
HACH 8000	Chemical Oxygen Demand (COD)	17.5			10.0	mg/L	06/24/05	bg
LAC 11107041A	Nitrate + Nitrite as N	0.320			0.200	mg/L	06/30/05	jpp
LAC 10210001A	Phenolics, Total Recoverable	0.0100	U		0.0100	mg/L	06/29/05	jpp
LAC 10107062D	Nitrogen, Total Kjeldahl as N (TKN)	1.00	U		1.00	mg/L	07/07/05	mwr
EPA 300.0	Ion Chromatography Analysis							
	Bromide	1.00	U		1.00	mg/L	06/24/05	bg
	Sulfate	6.18			5.00	mg/L	06/24/05	bg
SM18 5310C	Total Organic Carbon (TOC)							
	Organic Carbon, Total (TOC)	3.30			1.00	mg/L	07/01/05	mad

* In Description = Dry Wgt.

Page 2
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18 of 29



NYSDOH 10142

NJDEP 73015

CTDOHS PH-0664

EPA NY049

PA 68-378

M-NY049

STL Newburgh
 315 Fullerton Avenue
 Newburgh, NY 12550
 Tel (845) 562-0890
 Fax (845) 562-0841

LABORATORY TEST RESULTS

Job Number: 249337

Date: 07/21/2005

CUSTOMER: CES Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: PZ-1
Date Sampled.....: 06/23/2005
Time Sampled.....: 11:52
Sample Matrix.....: Water

Laboratory Sample ID: 249337-2
Date Received.....: 06/23/2005
Time Received.....: 14:15

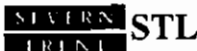
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.1	Solids, Total Dissolved (TDS)	216			5.0	mg/L	06/29/05	lms
SM18 2120B	Color	30			2.5	Pt/Co	06/24/05	ajg
SM18 2320B	Alkalinity, Total as CaCO3	44.3			5.00	mg/L	07/01/05	rmc
SM18 3500CrD	Hexavalent Chromium	0.010	U		0.010	mg/L	06/23/05	jpp
SM18 4500Cl	Chloride	5.0	U		5.0	mg/L	07/13/05	vvm
SM18 4500CNE	Cyanide, Total	0.0100	U		0.0100	mg/L	06/28/05	bg
SM18 4500NH3E	Ammonia (NH3), as N	1.40			1.00	mg/L	07/13/05	zhb
SM18 5210B	Biochemical Oxygen Demand (BOD5)	4.00	U		4.00	mg/L	06/24/05	rmc
HACH 8000	Chemical Oxygen Demand (COD)	10.0	U		10.0	mg/L	06/24/05	bg
LAC 11107041A	Nitrate + Nitrite as N	10.9			0.200	mg/L	06/30/05	jpp
LAC 10210001A	Phenolics, Total Recoverable	0.0100	U		0.0100	mg/L	06/29/05	jpp
LAC 10107062D	Nitrogen, Total Kjeldahl as N (TKN)	1.00	U		1.00	mg/L	07/07/05	mwr
EPA 300.0	Ion Chromatography Analysis							
	Bromide	1.00	U		1.00	mg/L	06/24/05	bg
	Sulfate	21.0			5.00	mg/L	06/24/05	bg
SM18 5310C	Total Organic Carbon (TOC)	4.92			1.00	mg/L	07/01/05	mad
	Organic Carbon, Total (TOC)							

* In Description = Dry Wgt.

Page 3

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19 of 29



NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY040

PA 68-378

M-NY040

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315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

LABORATORY TEST RESULTS

Job Number: 249337

Date: 07/21/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MH-7
Date Sampled.....: 06/23/2005
Time Sampled.....: 10:49
Sample Matrix.....: Water

Laboratory Sample ID: 249337-3
Date Received.....: 06/23/2005
Time Received.....: 14:15

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.1	Solids, Total Dissolved (TDS)	3310			5.0	mg/L	06/29/05	lms
SM18 2120B	Color	500			25	Pt/Co	06/24/05	ajg
SM18 2320B	Alkalinity, Total as CaCO ₃	1990			5.00	mg/L	07/01/05	rmc
SM18 3500CrD	Hexavalent Chromium	0.010	U		0.010	mg/L	06/23/05	jpp
SM18 4500Cl	Chloride	1300			100	mg/L	07/13/05	vvm
SM18 4500CNE	Cyanide, Total	0.0100	U		0.0100	mg/L	06/28/05	bg
SM18 4500NH3E	Ammonia (NH ₃), as N	45.6			1.00	mg/L	07/13/05	zhb
SM18 5210B	Biochemical Oxygen Demand (BOD ₅)	>42.8			4.00	mg/L	06/24/05	rmc
HACH 8000	Chemical Oxygen Demand (COD)	450			40.0	mg/L	06/24/05	bg
LAC 11107041A	Nitrate + Nitrite as N	0.200	U		0.200	mg/L	06/30/05	jpp
LAC 10210001A	Phenolics, Total Recoverable	0.0730			0.0100	mg/L	06/29/05	jpp
LAC 10107062D	Nitrogen, Total Kjeldahl as N (TKN)	570			20.0	mg/L	07/15/05	vvm
EPA 300.0	Ion Chromatography Analysis							
	Bromide	1.00	U		1.00	mg/L	06/24/05	bg
	Sulfate	161			40.0	mg/L	06/24/05	bg
SM18 5310C	Total Organic Carbon (TOC)	188			4.00	mg/L	07/08/05	mad
	Organic Carbon, Total (TOC)							

* In Description = Dry Wgt.

Page 4

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20 of 29



NYSDOH 10142

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EPA NY049

PA 66-378

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315 Fulton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

U. S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

ZZZZMS

Lab Name: STL Newburgh

Contract: _____

Lab Code: _____ Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): Water

Level (low/med): _____

% Solids for Sample: _____

Concentration Units (ug/L or mg/Kg dry weight): ug/L

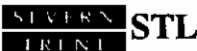
Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Aluminum							NR
Antimony	75-125	78.4178	2.5000	U 100.00	78.4		P
Arsenic	75-125	46.4862	4.4418	B 40.00	105.1		P
Barium	75-125	2084.7737	44.5327	B 2000.00	102.0		P
Beryllium	75-125	46.3953	0.4000	U 50.00	92.8		P
Boron	75-125	1706.3168	411.8562	1000.00	129.4	N	P
Cadmium	75-125	47.9533	0.8000	U 50.00	95.9		P
Calcium							NR
Chromium	75-125	200.1120	3.7208	B 200.00	98.2		P
Cobalt	75-125	472.3231	1.9000	U 500.00	94.5		P
Copper	75-125	240.8855	3.5818	B 250.00	94.9		P
Iron	75-125	3038.2212	800.6886	1000.00	223.8	N	P
Lead	75-125	25.0239	7.5743	20.00	87.2		P
Magnesium							NR
Manganese	75-125	614.6850	112.1723	500.00	100.5		P
Nickel	75-125	477.1372	15.3823	B 500.00	92.4		P
Potassium							NR
Selenium	75-125	3.9000	3.9000	U 10.00	0.0	N	P
Silver	75-125	29.4852	5.1342	B 50.00	48.7	N	P
Sodium							NR
Thallium	75-125	57.1772	9.2018	B 50.00	96.0		P
Vanadium	75-125	490.8521	2.0000	U 500.00	98.2		P
Zinc	75-125	513.6634	38.3169	500.00	95.1		P

Comments:

21 of 29

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FORM V - IN



NYS DOH 10142

NJ DEP 73016

CT DOH PH-0564

EPA NY049

PA 60-378

M-NY049

STL Newburgh
315 Fairview Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

5A
SPIKE SAMPLE RECOVERY

zzzzms

Contract: _____

SAS No. :

Level (low/med) :

% Solids for Sample: _____

[illegible]

~~22 of 29~~

U. S. EPA - CLP

6
DUPLICATES

EPA SAMPLE NO.

22222MD

Lab Name: STL Newburgh Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): Water Level (low/med): _____

% Solids for Sample: _____ % Solids for Duplicate: _____

Concentration Units (ug/L or mg/Kg dry weight): ug/L

Analyte	Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum	200.0	396.1118	U	1041.2892	U	89.8	*	P
Antimony		2.5000	U	2.5000	U			P
Arsenic		4.4418	B	5.6312	B	23.6		P
Barium		44.5327	B	54.0435	B	19.3		P
Beryllium		0.4000	U	0.4000	U			P
Boron		411.8562	U	394.8849	U	4.2		P
Cadmium		0.8000	U	0.8000	U			P
Calcium		331077.4560	U	319002.7720	U	3.7		P
Chromium		3.7208	B	2.6953	B	32.0		P
Cobalt		1.9000	U	1.9000	U			P
Copper		3.5818	B	3.5518	B	0.8		P
Iron		800.6886	U	1642.9687	U	68.9	*	P
Lead	5.0	7.5743	U	7.5105	U	0.8		P
Magnesium		90711.7620	U	88195.7748	U	2.8		P
Manganese		112.1723	U	118.3213	U	5.3		P
Nickel		15.3823	B	4.3801	B	111.3		P
Potassium		4650.6521	B	4686.6460	B	0.8		P
Selenium		3.9000	U	3.9000	U			P
Silver		5.1342	B	4.6998	B	8.8		P
Sodium		54932.5415	U	52829.7266	U	3.9		P
Thallium		9.2018	B	8.0556	B	13.3		P
Vanadium		2.0000	U	2.0000	U			P
Zinc	20.0	38.3169	U	39.6040	U	3.3		P

FORM VI - IN

24 of 29

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NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 66-378

M-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

6
DUPLICATES

EPA SAMPLE NO.

Lab Name: STL Newburgh

Contract: _____

ZZZZZND.

Lab Code: _____ Case No.: _____

SAS No. : _____

SDG No. : _____

Matrix (soil/water): Water

Level (low/med) : _____

% Solids for Sample: _____

% Solids for Duplicate: _____

Concentration Units (ug/L or mg/Kg dry weight): ug/L

[illegible]

FORM VI - IN

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25 of 29

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SEVERN
FRONT **STL**

NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY048

PAM-373

NY 100-1049

EPA SAMPLE NO.

Lab Name: STL Newburgh

Contract: _____

zzzzzzm

Lab Code: _____ Case No.: _____

SAS No. : _____

SDG No. : _____

Matrix (soil/water): Water

Level (low/med) : _____

% Solids for Sample: _____

% Solids for Duplicate: _____

Concentration Units (ug/L or mg/Kg dry weight): ug/L

[illegible]

FORM VI - IN

26 of 29

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STL
STL

NYSDOH 10142

NJDEP 73015

CTDOHS PH-0654

EPA NY049

PA 68-578

M-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

Job Number.: 249337

QUALITY CONTROL RESULTS

Report Date.: 07/21/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YOR

ATTN: Christen Craig

Test Method.....: SM18 2320B

Batch.....: 93249

Analyst....: rmc

Method Description.: Alkalinity

Units.....: mg/L

Test Code.: ALK

Parameter.....: Alkalinity, Total as CaCO3

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MD	249300-1		218.1				214.1	1.9	8-8		07/01/2005	1510
MS	249300-1	W04ALKSPK1	239.7			25.0	214.1	102.4	60-139		07/01/2005	1519

Test Method.....: SM18 4500NH3E

Batch.....: 94280

Analyst....: zhh

Method Description.: Nitrogen, Ammonia (Distillation)

Units.....: mg/L

Test Code.: NH3

Parameter.....: Ammonia (NH3), as-N

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MD	249577-2		0				0	0.0	20-20		07/13/2005	1630
MS	249577-2	W04NH3SPK1	9.52			10.0	0	95.2	84-123		07/13/2005	1630

Test Method.....: HACH 8000

Batch.....: 94284

Analyst....: bg

Method Description.: Chemical Oxygen Demand (HACH)

Units.....: mg/L

Test Code.: COD

Parameter.....: Chemical Oxygen Demand (COD)

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MS	249337-1	W02CODSPKL	62.0			50	17.5	89.0	58-133		06/24/2005	0800
MD	249337-1		17.5				17.5	0.0	10-10		06/24/2005	0800

Test Method.....: SM18 4500CL

Batch.....: 94285

Analyst....: vvm

Method Description.: Chloride

Units.....: mg/L

Test Code.: CHL

Parameter.....: Chloride

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MD	249801-1		0.9642				0.9642	0.0	19-19		07/13/2005	1300
MS	249801-1	W04CLSPK02	26.9987			25.0	0.9642	108.0	74-126		07/13/2005	1300

Test Method.....: SM18 2120B

Batch.....: 92941

Analyst....: ajs

Method Description.: Color

Units.....: Pt/Co

Test Code.: COLOR

Parameter.....: Color

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MD	249337-3		25				50	66.7	20-20	*	06/24/2005	1645

Test Method.....: SM18 3500CrD

Batch.....: 94287

Analyst....: jpp

Method Description.: Hexavalent Chromium

Units.....: mg/L

Test Code.: CR6

Parameter.....: Hexavalent Chromium

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MS	249337-1	W04SPKCR61	0.021			0.02000	0	105.0	72-133		06/23/2005	1915
MD	249337-1		0				0	0.0	15-15		06/23/2005	1915

27 of 29

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Page 8

* = X REC, R = RPD, A = ABS Diff., D = % Diff.

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NYSDOH 10142

NJDEP 73015

CTDOHS PH-0654

EPA NY049

PA 68-378

M-NY049

Job Number.: 249337

QUALITY CONTROL RESULTS

Report Date.: 07/21/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Test Method.....: LAC 11107041A
 Method Description.: Nitrate-Nitrite
 Parameter.....: Nitrate + Nitrite as N

Batch.....: 94288
 Units.....: mg/L

Analyst...: jpp
 Test Code.: NO3NO2

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MD	249350-1		0				0	0.0	14-14		06/30/2005	1338
MS	249350-1	W04NO3SPK1	4.19			4.0	0	104.8	76-118		06/30/2005	1340

Test Method.....: LAC 10107062D
 Method Description.: Nitrogen, Total Kjeldahl
 Parameter.....: Nitrogen, Total Kjeldahl as N (TKN)

Batch.....: 94289
 Units.....: mg/L

Analyst...: mwr
 Test Code.: TKN

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MD	249300-9		0				0	0.0	20-20		07/07/2005	0249
MS	249300-9	W04TKNSPK1	1.27			2.000	0	63.5	50-150		07/07/2005	0312

Test Method.....: LAC 10107062D
 Method Description.: Nitrogen, Total Kjeldahl
 Parameter.....: Nitrogen, Total Kjeldahl as N (TKN)

Batch.....: 94290
 Units.....: mg/L

Analyst...: vvm
 Test Code.: TKN

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MD	249468-1		0				0	0.0	20-20		07/15/2005	1304
MS	249468-1	W04TKNSPK1	2.23			2.000	0	111.5	50-150		07/15/2005	1306

Test Method.....: SM18 5310C
 Method Description.: Total Organic Carbon (TOC)
 Parameter.....: Organic Carbon, Total (TOC)

Batch.....: 94259
 Units.....: mg/L

Analyst...: mad
 Test Code.: TOC

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MD	249300-1		1.749				1.745	0.2	20-20		07/01/2005	1147
MS	249300-1	W02TOCSPK1	22.029			20.0	1.745	101.4	75-125		07/01/2005	1147

Test Method.....: SM18 5310C
 Method Description.: Total Organic Carbon (TOC)
 Parameter.....: Organic Carbon, Total (TOC)

Batch.....: 94291
 Units.....: mg/L

Analyst...: mad
 Test Code.: TOC

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MS	249450-1	W02TOCSPK1	70.057			20.0	51.429	93.1	75-125		07/08/2005	1312
MD	249450-1		52.455				51.429	2.0	20-20		07/08/2005	1312

Test Method.....: LAC 10210001A
 Method Description.: Phenolics, Total Recoverable
 Parameter.....: Phenolics, Total Recoverable

Batch.....: 94292
 Units.....: mg/L

Analyst...: jpp
 Test Code.: PHENTR

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MS	249322-2	W02PHESPK1	0.031			0.030	0	103.3	69-142		06/29/2005	0700
MD	249322-2		0				0	0.0	15-15		06/29/2005	0700

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28 of 29

A=REC, R=RPD, A=ABS Diff., D=X Diff.

SEVERN
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NYSDOH 10142

NJDEP 73015

CTDOHS PH-0354

EPA NY049

PA 08-378

M-NY049

STL Newburgh
 315 Fullerton Avenue
 Newburgh, NY 12550
 Tel (845) 562-0880
 Fax (845) 562-0841

Job Number.: 249337

QUALITY CONTROL RESULTS

Report Date.: 07/21/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YOR

ATTN: Christen Craig

Test Method.....: EPA 160.1

Batch.....: 93298

Analyst....: lms

Method Description.: Solids, Total Dissolved (TDS)

Units.....: mg/L

Test Code.: TDS

Parameter.....: Solids, Total Dissolved (TDS)

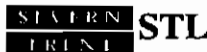
QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MD	249306-1		1698				1786	5.1	15-15		06/29/2005	1615

29 of 29

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Page 10

X=X REC, R=RPD, A=ABS Diff., D=% Diff.



NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 88-378

M-NY048

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

ANALYTICAL REPORT

JOB NUMBER: 249300

Prepared For:

C&S Engineers
499 Col. Eileen Collins Blvd
Syracuse, New York 13212

Attention: Christen Craig

Date: 07/21/2005

Rebecca M. Cusack

Signature

7/21/05

Date

Name: Richard E. Bayer

Title: Project Manager

E-Mail: rickbayer@stl-inc.com

315 Fullerton Avenue
Newburgh, NY 12550

PHONE: (845) 562-0890

FAX...: (845) 562-0841

1 of 62

SAMPLE INFORMATION

Date: 07/21/2005

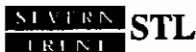
Job Number.: 249300
Customer....: C&S Engineers
Attn.....: Christen Craig

Project Number.....: 20001613
Customer Project ID.....: OCLF, GOSHEN, NEW YORK
Project Description.....: OCLF, Goshen, New York

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
249300-1	MW-303D	Water	06/22/2005	12:06	06/22/2005	14:50
249300-2	MW-303S	Water	06/22/2005	12:41	06/22/2005	14:50
249300-3	MW-207D	Water	06/22/2005	13:14	06/22/2005	14:50
249300-4	DUP	Water	06/22/2005	13:14	06/22/2005	14:50
249300-5	MW-207SA	Water	06/22/2005	13:31	06/22/2005	14:50
249300-6	MW-223S	Water	06/22/2005	11:02	06/22/2005	14:50
249300-7	MW-223D	Water	06/22/2005	11:31	06/22/2005	14:50
249300-8	MW-221D	Water	06/22/2005	12:20	06/22/2005	14:50
249300-9	MW-221S	Water	06/22/2005	12:39	06/22/2005	14:50
249300-10	Trip Blank	Trip Blank	06/22/2005	00:00	06/22/2005	14:50

2 of 62

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NYSDOH 10142

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EPA NY049

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Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

LABORATORY CHRONICLE

Job Number: 249300

Date: 07/21/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Lab ID: 249300-1	Client ID: MW-3030	Date Recvd: 06/22/2005	Sample Date: 06/22/2005			
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED
EPA 200.7	Acid Digestion, Total Recoverable(ICAP)	1	92731			06/27/2005 1100
EPA 200.7	Acid Digestion, Total Recoverable(ICAP)	1	92729			06/27/2005 1330
SM18 2320B	Alkalinity	1	93249			07/01/2005 1500
SM18 5210B	Biochemical Oxygen Demand (BOD/CBOD)	1	94248			06/23/2005 1144
HACH 8000	Chemical Oxygen Demand (HACH)	1	94256			06/23/2005 0830
SM18 4500Cl	Chloride	1	93701			07/12/2005 1340
SM18 2120B	Color	1	92939			06/23/2005 1442
SM18 4500CNE	Cyanide, Total	1	93086			06/28/2005 0810
EPA 200.7	Hardness by calculation	1	93927			07/13/2005 2039
EPA 200.7	Hardness by calculation	1	93930			07/14/2005 2147
SM18 3500CrD	Hexavalent Chromium	1	92736			06/22/2005 0845
EPA 300.0	Ion Chromatography Analysis	1	92837			06/23/2005 1602
EPA 300.0	Ion Chromatography Analysis	1	92837			06/23/2005 1809
EPA 245.1	Mercury (CVAA)	1	93040			06/28/2005 1540
EPA 245.1	Mercury (CVAA)	1	93040			06/28/2005 1546
EPA 200.7	Metals Analysis (ICP)	1	93873			07/13/2005 2040
EPA 200.7	Metals Analysis (ICP)	1	93912	92731		07/14/2005 2147
EPA 200.7	Metals Analysis (ICP)	1	93973			07/15/2005 1522
EPA 200.7	Metals Analysis (ICP)	1	94100	92731		07/15/2005 2110
LAC 11107041A	Nitrate-Nitrite	1	94257			06/23/2005 0000
SM18 4500NH3E	Nitrogen, Ammonia (Distillation)	1	93978			07/15/2005 2000
LAC 10107062D	Nitrogen, Total Kjeldahl	1	94258			07/07/2005 0241
LAC 10210001A	Phenolics, Total Recoverable	1	94260			06/29/2005 0642
QA Services	Quality Assurance Services	1				
QA Services	Quality Assurance Services	1				
EPA 160.1	Solids, Total Dissolved (TDS)	1	93067			06/28/2005 1900
SM18 5310C	Total Organic Carbon (TOC)	1	94259			07/01/2005 1147
SW846 8260B	Volatile Organics	1	93795			06/29/2005 0000

Lab ID: 249300-2	Client ID: MW-3035	Date Recvd: 06/22/2005	Sample Date: 06/22/2005			
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED
EPA 200.7	Acid Digestion, Total Recoverable(ICAP)	1	92731			06/27/2005 1100
EPA 200.7	Acid Digestion, Total Recoverable(ICAP)	1	92729			06/27/2005 1330
SM18 2320B	Alkalinity	1	93249			07/01/2005 1528
SM18 5210B	Biochemical Oxygen Demand (BOD/CBOD)	1	94248			06/23/2005 1151
HACH 8000	Chemical Oxygen Demand (HACH)	1	94256			06/23/2005 0830
SM18 4500Cl	Chloride	1	93701			07/12/2005 1340
SM18 2120B	Color	1	92939			06/23/2005 1444
SM18 4500CNE	Cyanide, Total	1	93086			06/28/2005 0810
EPA 200.7	Hardness by calculation	1	93927			07/13/2005 2100
EPA 200.7	Hardness by calculation	1	93930			07/14/2005 2229
SM18 3500CrD	Hexavalent Chromium	1	92736			06/22/2005 0845
EPA 300.0	Ion Chromatography Analysis	1	92837			06/23/2005 1612
EPA 245.1	Mercury (CVAA)	1	93040			06/28/2005 1556
EPA 245.1	Mercury (CVAA)	1	93040			06/28/2005 1558
EPA 200.7	Metals Analysis (ICP)	1	93873			07/13/2005 2101
EPA 200.7	Metals Analysis (ICP)	1	93912	92731		07/14/2005 2229
EPA 200.7	Metals Analysis (ICP)	1	94100	92731		07/15/2005 2125
LAC 11107041A	Nitrate-Nitrite	1	94257			06/23/2005 0000
SM18 4500NH3E	Nitrogen, Ammonia (Distillation)	1	93978			07/15/2005 2000
LAC 10107062D	Nitrogen, Total Kjeldahl	1	94258			07/07/2005 0242
LAC 10210001A	Phenolics, Total Recoverable	1	94260			06/29/2005 0646
QA Services	Quality Assurance Services	1				
EPA 160.1	Solids, Total Dissolved (TDS)	1	93067			06/28/2005 1900
SM18 5310C	Total Organic Carbon (TOC)	1	94259			07/01/2005 1147

3 of 62

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Job Number: 249300

Date: 07/21/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Lab ID: 249300-2	Client ID: MW-303S	Date Recvd: 06/22/2005	Sample Date: 06/22/2005		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)
SWB46 8260B	Volatile Organics	1	93795		
				DATE/TIME ANALYZED	DILUTION
				06/25/2005	0000
Lab ID: 249300-3	Client ID: MW-207D	Date Recvd: 06/22/2005	Sample Date: 06/22/2005		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)	1	92731		
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)	1	92729		
SM18 2320B	Alkalinity	1	93249		
SM18 5210B	Biochemical Oxygen Demand (BOD/CBOD)	1	94248		
HACH 8000	Chemical Oxygen Demand (HACH)	1	94256		
SM18 4500Cl	Chloride	1	93701		
SM18 2120B	Color	1	92939		
SM18 4500CNE	Cyanide, Total	1	93086		
EPA 200.7	Hardness by calculation	1	93927		
EPA 200.7	Hardness by calculation	1	93930		
SM18 3500CrD	Hexavalent Chromium	1	92736		
EPA 300.0	Ion Chromatography Analysis	1	92837		
EPA 300.0	Ion Chromatography Analysis	1	92837		
EPA 245.1	Mercury (CVAA)	1	93040		
EPA 245.1	Mercury (CVAA)	1	93040		
EPA 200.7	Metals Analysis (ICP)	1	93873		
EPA 200.7	Metals Analysis (ICP)	1	93912	92731	
EPA 200.7	Metals Analysis (ICP)	1	94100	92731	
LAC 11107041A	Nitrate-Nitrite	1	94257		
SM18 4500NH3E	Nitrogen, Ammonia (Distillation)	1	93978		
LAC 10107062D	Nitrogen, Total Kjeldahl	1	94258		
LAC 10210001A	Phenolics, Total Recoverable	1	94260		
QA Services	Quality Assurance Services	1			
EPA 160.1	Solids, Total Dissolved (TDS)	1	93067		
SM18 5310C	Total Organic Carbon (TOC)	1	94259		
SWB46 8260B	Volatile Organics	1	93795		
				DATE/TIME ANALYZED	DILUTION
				06/27/2005	1100
				06/27/2005	1330
				07/01/2005	1537
				06/23/2005	1153
				06/23/2005	0830
				07/12/2005	1340
				06/23/2005	1446
				06/28/2005	0810
				07/13/2005	2106
				07/14/2005	2234
				06/22/2005	0845
				06/23/2005	1641
				06/23/2005	1838
				06/28/2005	1559
				06/28/2005	1601
				07/13/2005	2106
				07/14/2005	2235
				07/15/2005	2156
				06/23/2005	0000
				07/15/2005	2000
				07/07/2005	0314
				06/29/2005	0647
				06/28/2005	1900
				07/01/2005	1147
				06/25/2005	0000
Lab ID: 249300-4	Client ID: DUP	Date Recvd: 06/22/2005	Sample Date: 06/22/2005		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)	1	92731		
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)	1	92729		
SM18 2320B	Alkalinity	1	93249		
SM18 5210B	Biochemical Oxygen Demand (BOD/CBOD)	1	94248		
HACH 8000	Chemical Oxygen Demand (HACH)	1	94256		
SM18 4500Cl	Chloride	1	93701		
SM18 2120B	Color	1	92939		
SM18 4500CNE	Cyanide, Total	1	93086		
EPA 200.7	Hardness by calculation	1	93927		
EPA 200.7	Hardness by calculation	1	93930		
SM18 3500CrD	Hexavalent Chromium	1	92736		
EPA 300.0	Ion Chromatography Analysis	1	92837		
EPA 300.0	Ion Chromatography Analysis	1	92837		
EPA 245.1	Mercury (CVAA)	1	93040		
EPA 245.1	Mercury (CVAA)	1	93040		
EPA 200.7	Metals Analysis (ICP)	1	93873		
EPA 200.7	Metals Analysis (ICP)	1	93912	92731	
EPA 200.7	Metals Analysis (ICP)	1	94100	92731	
LAC 11107041A	Nitrate-Nitrite	1	94257		
SM18 4500NH3E	Nitrogen, Ammonia (Distillation)	1	93978		
LAC 10107062D	Nitrogen, Total Kjeldahl	1	94258		
LAC 10210001A	Phenolics, Total Recoverable	1	94260		
				DATE/TIME ANALYZED	DILUTION
				06/27/2005	1100
				06/27/2005	1330
				07/01/2005	1546
				06/23/2005	1155
				06/23/2005	0830
				07/12/2005	1340
				06/23/2005	1448
				06/28/2005	0810
				07/13/2005	2111
				07/14/2005	2306
				06/22/2005	0845
				06/23/2005	1651
				06/23/2005	1848
				06/28/2005	1603
				06/28/2005	1605
				07/13/2005	2112
				07/14/2005	2307
				07/15/2005	2201
				06/23/2005	0000
				07/15/2005	2000
				07/07/2005	0315
				06/29/2005	0648

4 of 62

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CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Lab ID: 249300-4	Client ID: DUP	Date Recvd: 06/22/2005	Sample Date: 06/22/2005
METHOD	DESCRIPTION	RUN#	BATCH# PREP BT #(S) DATE/TIME ANALYZED DILUTION
QA Services	Quality Assurance Services	1	
EPA 160.1	Solids, Total Dissolved (TDS)	1	93067 06/28/2005 1900
SM18 5310C	Total Organic Carbon (TOC)	1	94259 07/01/2005 1147
SW846 8260B	Volatile Organics	1	93795 06/25/2005 0000

Lab ID: 249300-5	Client ID: MW-207SA	Date Recvd: 06/22/2005	Sample Date: 06/22/2005
METHOD	DESCRIPTION	RUN#	BATCH# PREP BT #(S) DATE/TIME ANALYZED DILUTION
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)	1	92731 06/27/2005 1100
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)	1	92729 06/27/2005 1330
SM18 2320B	Alkalinity	1	93249 07/01/2005 1555
SM18 5210B	Biochemical Oxygen Demand (BOD/CBOD)	1	94248 06/23/2005 1156
HACH 8000	Chemical Oxygen Demand (HACH)	1	94256 06/23/2005 0830
SM18 4500Cl	Chloride	1	93701 07/12/2005 1340
SM18 2120B	Color	1	92939 06/23/2005 1450
SM18 4500CNE	Cyanide, Total	1	93086 06/28/2005 0810
EPA 200.7	Hardness by calculation	1	93927 07/13/2005 2117
EPA 200.7	Hardness by calculation	1	93930 07/14/2005 2311
SM18 3500CrD	Hexavalent Chromium	1	92736 06/22/2005 0845
EPA 300.0	Ion Chromatography Analysis	1	92837 06/23/2005 1701
EPA 245.1	Mercury (CVAA)	1	93040 06/28/2005 1608
EPA 245.1	Mercury (CVAA)	1	93040 06/28/2005 1615
EPA 200.7	Metals Analysis (ICP)	1	93873 07/13/2005 2117
EPA 200.7	Metals Analysis (ICP)	1	93912 92731 07/14/2005 2312
EPA 200.7	Metals Analysis (ICP)	1	94100 92731 07/15/2005 2207
LAC 11107041A	Nitrate-Nitrite	1	94257 06/23/2005 0000
SM18 4500NH3E	Nitrogen, Ammonia (Distillation)	1	93978 07/15/2005 2000
LAC 10107062D	Nitrogen, Total Kjeldahl	1	94258 07/07/2005 0254
LAC 10210001A	Phenolics, Total Recoverable	1	94260 06/29/2005 0648
QA Services	Quality Assurance Services	1	
EPA 160.1	Solids, Total Dissolved (TDS)	1	93067 06/28/2005 1900
SM18 5310C	Total Organic Carbon (TOC)	1	94259 07/01/2005 1147
SW846 8260B	Volatile Organics	1	93795 06/25/2005 0000

Lab ID: 249300-6	Client ID: MW-223S	Date Recvd: 06/22/2005	Sample Date: 06/22/2005
METHOD	DESCRIPTION	RUN#	BATCH# PREP BT #(S) DATE/TIME ANALYZED DILUTION
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)	1	92731 06/27/2005 1100
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)	1	92729 06/27/2005 1330
SM18 2320B	Alkalinity	1	93249 07/01/2005 1604
SM18 5210B	Biochemical Oxygen Demand (BOD/CBOD)	1	94248 06/23/2005 1158
HACH 8000	Chemical Oxygen Demand (HACH)	1	94256 06/23/2005 0830
SM18 4500Cl	Chloride	1	93701 07/12/2005 1340
SM18 2120B	Color	1	92939 06/23/2005 1452
SM18 4500CNE	Cyanide, Total	1	93086 06/28/2005 0810
EPA 200.7	Hardness by calculation	1	93927 07/13/2005 2122
EPA 200.7	Hardness by calculation	1	93930 07/14/2005 2317
SM18 3500CrD	Hexavalent Chromium	1	92736 06/22/2005 0845
EPA 300.0	Ion Chromatography Analysis	1	92837 06/23/2005 1711
EPA 300.0	Ion Chromatography Analysis	1	92837 06/23/2005 1858
EPA 245.1	Mercury (CVAA)	1	93040 06/28/2005 1617
EPA 245.1	Mercury (CVAA)	1	93040 06/28/2005 1619
EPA 200.7	Metals Analysis (ICP)	1	93873 07/13/2005 2123
EPA 200.7	Metals Analysis (ICP)	1	93912 92731 07/14/2005 2317
EPA 200.7	Metals Analysis (ICP)	1	94100 92731 07/15/2005 2213
LAC 11107041A	Nitrate-Nitrite	1	94257 06/23/2005 0000
SM18 4500NH3E	Nitrogen, Ammonia (Distillation)	1	93978 07/15/2005 2000

5 of 62

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Lab ID: 249300-6 Client ID: MW-223S Date Recvd: 06/22/2005 Sample Date: 06/22/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED	DILUTION
LAC 10107062D	Nitrogen, Total Kjeldahl	1	94258			07/07/2005 0255	
LAC 10210001A	Phenolics, Total Recoverable	1	94260			06/29/2005 0650	
QA Services	Quality Assurance Services	1					
EPA 160.1	Solids, Total Dissolved (TDS)	1	93067			06/28/2005 1900	
SM18 5310C	Total Organic Carbon (TOC)	1	94259			07/01/2005 1147	
SW846 8260B	Volatile Organics	1	93795			06/25/2005 0000	

Lab ID: 249300-7 Client ID: MW-223D Date Recvd: 06/22/2005 Sample Date: 06/22/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED	DILUTION
EPA 200.7	Acid Digestion, Total Recoverable(ICAP)	1	92731			06/27/2005 1100	
EPA 200.7	Acid Digestion, Total Recoverable(ICAP)	1	92729			06/27/2005 1330	
SM18 2320B	Alkalinity	1	93249			07/01/2005 1614	
SM18 5210B	Biochemical Oxygen Demand (BOD/CBOD)	1	94248			06/23/2005 1200	
HACH 8000	Chemical Oxygen Demand (HACH)	1	94256			06/23/2005 0830	
SM18 4500Cl	Chloride	1	93701			07/12/2005 1340	
SM18 2120B	Color	1	92939			06/23/2005 1454	
SM18 4500CNE	Cyanide, Total	1	93086			06/28/2005 0810	
EPA 200.7	Hardness by calculation	1	93927			07/13/2005 2128	
EPA 200.7	Hardness by calculation	1	93930			07/14/2005 2322	
SM18 3500CrD	Hexavalent Chromium	1	92736			06/22/2005 0845	
EPA 300.0	Ion Chromatography Analysis	1	92837			06/23/2005 1720	
EPA 300.0	Ion Chromatography Analysis	1	92837			06/23/2005 1908	3
EPA 245.1	Mercury (CVAA)	1	93040			06/28/2005 1621	
EPA 245.1	Mercury (CVAA)	1	93040			06/28/2005 1623	
EPA 200.7	Metals Analysis (ICP)	1	93873			07/13/2005 2128	
EPA 200.7	Metals Analysis (ICP)	1	93912	92731		07/14/2005 2323	
EPA 200.7	Metals Analysis (ICP)	1	94100	92731		07/15/2005 2218	
LAC 11107041A	Nitrate-Nitrite	1	94257			06/23/2005 0000	
SM18 4500NH3E	Nitrogen, Ammonia (Distillation)	1	93978			07/15/2005 2000	
LAC 10107062D	Nitrogen, Total Kjeldahl	1	94258			07/07/2005 0256	
LAC 10210001A	Phenolics, Total Recoverable	1	94260			06/29/2005 0651	
QA Services	Quality Assurance Services	1					
EPA 160.1	Solids, Total Dissolved (TDS)	1	93067			06/28/2005 1900	
SM18 5310C	Total Organic Carbon (TOC)	1	94259			07/01/2005 1147	
SW846 8260B	Volatile Organics	1	93795			06/25/2005 0000	

Lab ID: 249300-8 Client ID: MW-221D Date Recvd: 06/22/2005 Sample Date: 06/22/2005

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED	DILUTION
EPA 200.7	Acid Digestion, Total Recoverable(ICAP)	1	92731			06/27/2005 1100	
EPA 200.7	Acid Digestion, Total Recoverable(ICAP)	1	92729			06/27/2005 1330	
SM18 2320B	Alkalinity	1	94247			07/12/2005 1200	
SM18 5210B	Biochemical Oxygen Demand (BOD/CBOD)	1	94248			06/23/2005 1200	
HACH 8000	Chemical Oxygen Demand (HACH)	1	94256			06/23/2005 0830	
SM18 4500Cl	Chloride	1	93701			07/12/2005 1340	
SM18 2120B	Color	1	92939			06/23/2005 1458	
SM18 4500CNE	Cyanide, Total	1	93086			06/28/2005 0810	
EPA 200.7	Hardness by calculation	1	93927			07/13/2005 2159	
EPA 200.7	Hardness by calculation	1	93930			07/14/2005 2327	
SM18 3500CrD	Hexavalent Chromium	1	92736			06/22/2005 0845	
EPA 300.0	Ion Chromatography Analysis	1	92837			06/23/2005 1730	
EPA 245.1	Mercury (CVAA)	1	93040			06/28/2005 1625	
EPA 245.1	Mercury (CVAA)	1	93040			06/28/2005 1627	
EPA 200.7	Metals Analysis (ICP)	1	93873			07/13/2005 2200	
EPA 200.7	Metals Analysis (ICP)	1	93912	92731		07/14/2005 2328	
EPA 200.7	Metals Analysis (ICP)	1	94100	92731		07/15/2005 2224	

6 of 62

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Lab ID: 249300-8	Client ID: MW-221D	Date Recvd: 06/22/2005	Sample Date: 06/22/2005		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)
LAC 11107041A	Nitrate-Nitrite	1	94257		06/23/2005 0000
SM18 4500NH3E	Nitrogen, Ammonia (Distillation)	1	93978		07/15/2005 2000
LAC 10107062D	Nitrogen, Total Kjeldahl	1	94258		07/07/2005 0257
LAC 10210001A	Phenolics, Total Recoverable	1	94260		06/29/2005 0652
QA Services	Quality Assurance Services	1			
EPA 160.1	Solids, Total Dissolved (TDS)	1	93067		06/28/2005 1900
SM18 5310C	Total Organic Carbon (TOC)	1	94259		07/01/2005 1147
SW846 8260B	Volatile Organics	1	93795		06/30/2005 0000

Lab ID: 249300-9	Client ID: MW-221S	Date Recvd: 06/22/2005	Sample Date: 06/22/2005		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)	1	92731		06/27/2005 1100
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)	1	92729		06/27/2005 1330
SM18 2320B	Alkalinity	1	93249		07/01/2005 1650
SM18 5210B	Biochemical Oxygen Demand (BOD/CBOD)	1	94248		06/23/2005 1213
HACH 8000	Chemical Oxygen Demand (HACH)	1	94256		06/23/2005 0830
SM18 4500Cl	Chloride	1	93701		07/12/2005 1340
SM18 2120B	Color	1	92939		06/23/2005 1500
SM18 4500CNE	Cyanide, Total	1	93086		06/28/2005 0810
EPA 200.7	Hardness by calculation	1	93927		07/13/2005 2205
EPA 200.7	Hardness by calculation	1	93930		07/14/2005 2333
SM18 3500CrD	Hexavalent Chromium	1	92736		06/22/2005 0845
EPA 300.0	Ion Chromatography Analysis	1	92837		06/23/2005 1740
EPA 300.0	Ion Chromatography Analysis	1	92837		06/23/2005 2026
EPA 245.1	Mercury (CVAA)	1	93040		06/28/2005 1629
EPA 245.1	Mercury (CVAA)	1	93040		06/28/2005 1631
EPA 200.7	Metals Analysis (ICP)	1	93873		07/13/2005 2205
EPA 200.7	Metals Analysis (ICP)	1	93912	92731	07/14/2005 2333
EPA 200.7	Metals Analysis (ICP)	1	94100	92731	07/15/2005 2229
LAC 11107041A	Nitrate-Nitrite	1	94257		06/23/2005 0000
SM18 4500NH3E	Nitrogen, Ammonia (Distillation)	1	93978		07/15/2005 2000
LAC 10107062D	Nitrogen, Total Kjeldahl	1	94258		07/07/2005 0248
LAC 10210001A	Phenolics, Total Recoverable	1	94260		06/29/2005 0652
QA Services	Quality Assurance Services	1			
EPA 160.1	Solids, Total Dissolved (TDS)	1	93067		06/28/2005 1900
SM18 5310C	Total Organic Carbon (TOC)	1	94259		07/01/2005 1147
SW846 8260B	Volatile Organics	1	93795		06/30/2005 0000

Lab ID: 249300-10	Client ID: Trip Blank	Date Recvd: 06/22/2005	Sample Date: 06/22/2005		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)
SW846 8260B	Volatile Organics	1	93795		06/30/2005 0000

7 of 62

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QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 07/21/2005

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements will be noted in a case narrative.

Report Comments

- 1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
- 2) Soil, sediment and sludge sample results are reported on a "dry weight" basis.
- 3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

Glossary of flags and qualifiers.

Inorganic Qualifiers (Q-Column)

- U Indicates that the compound was analyzed for but not detected.
- 1 Result fails applicable drinking water standards.
- * Duplicate analysis not within control limits.
- N Spiked sample recovery not within control limits.
- E Indicates an estimated value because of the presence of interferences.
- W Post digestion spike for furnace AA analysis is out of the control limits (85-115%) while sample absorbance is less than 50% of spike absorbance.
- + Correlation coefficient for the MSA is less than 0.995
- B The reported value is less than the Contract Required Detection Limit (CRDL), but greater than the Instrument Detection Limit (IDL).

Organic Qualifiers (Q-Column)

- U Indicates that the compound was analyzed for but not detected.
- J Indicates an estimated value. This compound meets the identification criteria, but the result is less than the specified detection limit.
- B Indicates that the analyte was found in both the sample and its associated laboratory blank.
- D Indicates all compounds identified in an analysis at a secondary dilution factor.
- E Indicates that the analyte in an analysis has exceeded the linear calibration range.
- RE Indicates a re-analyzed sample

Glossary of Terms

Surrogates (Surrogate Standards) - an organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process. For semi-volatiles, volatiles and pesticides/Aroclors, surrogate compounds are added to every blank, sample, matrix sample, matrix spike, matrix sample duplicate, matrix spike blank, and standard. These are used to evaluate analytical efficiency by measuring recovery. Poor surrogate recovery may indicate a problem with the sample composition.

Matrix Spike - an aliquot of a sample (water or soil) fortified (spiked) with known quantities of specific compounds (target analytes) and subjected to the entire analytical procedure in order to indicate the appropriateness of the method for the matrix by measuring recovery. The spiking occurs prior to sample preparation and analysis. Poor spike recovery may indicate a problem with the sample composition.

Internal Standards - an organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process. For GC/MS semi-volatiles and volatiles, internal standards are added to every blank, sample, matrix spike, matrix spike duplicate, matrix spike blank, and standard. Internal standard responses outside of established limits will adversely affect the quantitation and final concentration of target compounds.

LABORATORY TEST RESULTS

Job Number: 249300

Date: 07/13/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW-3030
Date Sampled.....: 06/22/2005
Time Sampled.....: 12:06
Sample Matrix.....: Water

Laboratory Sample ID: 249300-1
Date Received.....: 06/22/2005
Time Received.....: 14:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8260B	Volatile Organics							
	Chloromethane	1.0	U		1.0	ug/L	06/29/05	clmd
	Vinyl chloride	1.0	U		1.0	ug/L	06/29/05	clmd
	Bromomethane	1.0	U		1.0	ug/L	06/29/05	clmd
	Chloroethane	1.0	U		1.0	ug/L	06/29/05	clmd
	Trichlorofluoromethane	1.0	U		1.0	ug/L	06/29/05	clmd
	1,1-Dichloroethene	1.0	U		1.0	ug/L	06/29/05	clmd
	Iodomethane	5.0	U		5.0	ug/L	06/29/05	clmd
	Carbon disulfide	1.0	U		1.0	ug/L	06/29/05	clmd
	Acetone	1.0	J		5.0	ug/L	06/29/05	clmd
	Methylene chloride	1.0	U		1.0	ug/L	06/29/05	clmd
	trans-1,2-Dichloroethene	1.0	U		1.0	ug/L	06/29/05	clmd
	Acrylonitrile	10	U		10	ug/L	06/29/05	clmd
	1,1-Dichloroethane	1.0	U		1.0	ug/L	06/29/05	clmd
	Vinyl acetate	1.0	U		1.0	ug/L	06/29/05	clmd
	cis-1,2-Dichloroethene	1.0	U		1.0	ug/L	06/29/05	clmd
	2-Butanone (MEK)	2.5	U		2.5	ug/L	06/29/05	clmd
	Bromochloromethane	1.0	U		1.0	ug/L	06/29/05	clmd
	Chloroform	1.0	U		1.0	ug/L	06/29/05	clmd
	1,1,1-Trichloroethane	1.0	U		1.0	ug/L	06/29/05	clmd
	Carbon tetrachloride	1.0	U		1.0	ug/L	06/29/05	clmd
	Benzene	1.0	U		1.0	ug/L	06/29/05	clmd
	1,2-Dichloroethane	1.0	U		1.0	ug/L	06/29/05	clmd
	Trichloroethene	1.0	U		1.0	ug/L	06/29/05	clmd
	1,2-Dichloropropane	1.0	U		1.0	ug/L	06/29/05	clmd
	Dibromomethane	1.0	U		1.0	ug/L	06/29/05	clmd
	Bromodichloromethane	1.0	U		1.0	ug/L	06/29/05	clmd
	cis-1,3-Dichloropropene	1.0	U		1.0	ug/L	06/29/05	clmd
	4-Methyl-2-pentanone (MIBK)	2.5	U		2.5	ug/L	06/29/05	clmd
	Toluene	1.0	U		1.0	ug/L	06/29/05	clmd
	trans-1,3-Dichloropropene	1.0	U		1.0	ug/L	06/29/05	clmd
	1,1,2-Trichloroethane	1.0	U		1.0	ug/L	06/29/05	clmd
	Tetrachloroethene	1.0	U		1.0	ug/L	06/29/05	clmd
	2-Hexanone	2.5	U		2.5	ug/L	06/29/05	clmd
	Dibromochloromethane	1.0	U		1.0	ug/L	06/29/05	clmd
	1,2-Dibromoethane (EDB)	1.0	U		1.0	ug/L	06/29/05	clmd
	Chlorobenzene	1.0	U		1.0	ug/L	06/29/05	clmd
	1,1,1,2-Tetrachloroethane	1.0	U		1.0	ug/L	06/29/05	clmd
	Ethylbenzene	1.0	U		1.0	ug/L	06/29/05	clmd
	Styrene	1.0	U		1.0	ug/L	06/29/05	clmd
	Bromoform	1.0	U		1.0	ug/L	06/29/05	clmd
	trans-1,4-Dichloro-2-butene	1.0	U		1.0	ug/L	06/29/05	clmd
	1,1,2,2-Tetrachloroethane	1.0	U		1.0	ug/L	06/29/05	clmd
	1,2,3-Trichloropropane	1.0	U		1.0	ug/L	06/29/05	clmd
	Xylenes (total)	1.0	U		1.0	ug/L	06/29/05	clmd
	1,4-Dichlorobenzene	1.0	U		1.0	ug/L	06/29/05	clmd
	1,2-Dichlorobenzene	1.0	U		1.0	ug/L	06/29/05	clmd
	1,2-Dibromo-3-chloropropane	1.0	U		1.0	ug/L	06/29/05	clmd

* In Description = Dry Wgt.

Page 2

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10 of 62



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STL Newburgh
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LABORATORY TEST RESULTS

Job Number: 249300

Date: 07/13/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW-303S
Date Sampled.....: 06/22/2005
Time Sampled.....: 12:41
Sample Matrix.....: Water

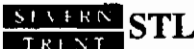
Laboratory Sample ID: 249300-2
Date Received.....: 06/22/2005
Time Received.....: 14:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8260B	Volatile Organics							
	Chloromethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Vinyl chloride	0.62	J		1.0	ug/L	06/25/05	clmd
	Bromomethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Chloroethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Trichlorofluoromethane	1.0	U		1.0	ug/L	06/25/05	clmd
	1,1-Dichloroethene	1.0	U		1.0	ug/L	06/25/05	clmd
	Iodomethane	5.0	U		5.0	ug/L	06/25/05	clmd
	Carbon disulfide	1.0	U		1.0	ug/L	06/25/05	clmd
	Acetone	1.2	J	B	5.0	ug/L	06/25/05	clmd
	Methylene chloride	1.0	U		1.0	ug/L	06/25/05	clmd
	trans-1,2-Dichloroethene	1.0	U		1.0	ug/L	06/25/05	clmd
	Acrylonitrile	10	U		10	ug/L	06/25/05	clmd
	1,1-Dichloroethane	1.2	U		1.0	ug/L	06/25/05	clmd
	Vinyl acetate	1.0	U		1.0	ug/L	06/25/05	clmd
	cis-1,2-Dichloroethene	1.1	U		1.0	ug/L	06/25/05	clmd
	2-Butanone (MEK)	2.5	U		2.5	ug/L	06/25/05	clmd
	Bromochloromethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Chloroform	1.0	U		1.0	ug/L	06/25/05	clmd
	1,1,1-Trichloroethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Carbon tetrachloride	1.0	U		1.0	ug/L	06/25/05	clmd
	Benzene	1.0	U		1.0	ug/L	06/25/05	clmd
	1,2-Dichloroethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Trichloroethene	1.0	U		1.0	ug/L	06/25/05	clmd
	1,2-Dichloropropane	1.0	U		1.0	ug/L	06/25/05	clmd
	Dibromomethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Bromodichloromethane	1.0	U		1.0	ug/L	06/25/05	clmd
	cis-1,3-Dichloropropene	1.0	U		1.0	ug/L	06/25/05	clmd
	4-Methyl-2-pentanone (MIBK)	2.5	U		2.5	ug/L	06/25/05	clmd
	Toluene	1.0	U		1.0	ug/L	06/25/05	clmd
	trans-1,3-Dichloropropene	1.0	U		1.0	ug/L	06/25/05	clmd
	1,1,2-Trichloroethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Tetrachloroethene	1.0	U		1.0	ug/L	06/25/05	clmd
	2-Hexanone	2.5	U		2.5	ug/L	06/25/05	clmd
	Dibromochloromethane	1.0	U		1.0	ug/L	06/25/05	clmd
	1,2-Dibromoethane (EDB)	1.0	U		1.0	ug/L	06/25/05	clmd
	Chlorobenzene	1.0	U		1.0	ug/L	06/25/05	clmd
	1,1,1,2-Tetrachloroethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Ethylbenzene	1.0	U		1.0	ug/L	06/25/05	clmd
	Styrene	1.0	U		1.0	ug/L	06/25/05	clmd
	Bromoform	1.0	U		1.0	ug/L	06/25/05	clmd
	trans-1,4-Dichloro-2-butene	1.0	U		1.0	ug/L	06/25/05	clmd
	1,1,2,2-Tetrachloroethane	1.0	U		1.0	ug/L	06/25/05	clmd
	1,2,3-Trichloropropane	1.0	U		1.0	ug/L	06/25/05	clmd
	Xylenes (total)	1.0	U		1.0	ug/L	06/25/05	clmd
	1,4-Dichlorobenzene	1.0	U		1.0	ug/L	06/25/05	clmd
	1,2-Dichlorobenzene	1.0	U		1.0	ug/L	06/25/05	clmd
	1,2-Dibromo-3-chloropropane	1.0	U		1.0	ug/L	06/25/05	clmd

* In Description = Dry Wgt.

Page 3
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11 of 62



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Newburgh, NY 12550
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Fax (845) 562-0841

LABORATORY TEST RESULTS

Job Number: 249300

Date: 07/13/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW-2D7D
 Date Sampled.....: 06/22/2005
 Time Sampled.....: 13:14
 Sample Matrix.....: Water

Laboratory Sample ID: 249300-3
 Date Received.....: 06/22/2005
 Time Received.....: 14:50

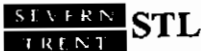
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8260B	Volatile Organics							
	Chloromethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Vinyl chloride	1.0	U		1.0	ug/L	06/25/05	clmd
	Bromomethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Chloroethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Trichlorofluoromethane	1.0	U		1.0	ug/L	06/25/05	clmd
	1,1-Dichloroethene	1.0	U		1.0	ug/L	06/25/05	clmd
	Iodomethane	5.0	U		5.0	ug/L	06/25/05	clmd
	Carbon disulfide	1.0	U		1.0	ug/L	06/25/05	clmd
	Acetone	2.5	J	B	5.0	ug/L	06/25/05	clmd
	Methylene chloride	1.0	U		1.0	ug/L	06/25/05	clmd
	trans-1,2-Dichloroethene	1.0	U		1.0	ug/L	06/25/05	clmd
	Acrylonitrile	10	U		10	ug/L	06/25/05	clmd
	1,1-Dichloroethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Vinyl acetate	1.0	U		1.0	ug/L	06/25/05	clmd
	cis-1,2-Dichloroethene	1.0	U		1.0	ug/L	06/25/05	clmd
	2-Butanone (MEK)	2.5	U		2.5	ug/L	06/25/05	clmd
	Bromochloromethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Chloroform	1.0	U		1.0	ug/L	06/25/05	clmd
	1,1,1-Trichloroethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Carbon tetrachloride	1.0	U		1.0	ug/L	06/25/05	clmd
	Benzene	1.0	U		1.0	ug/L	06/25/05	clmd
	1,2-Dichloroethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Trichloroethene	1.0	U		1.0	ug/L	06/25/05	clmd
	1,2-Dichloropropane	1.0	U		1.0	ug/L	06/25/05	clmd
	Dibromomethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Bromodichloromethane	1.0	U		1.0	ug/L	06/25/05	clmd
	cis-1,3-Dichloropropene	1.0	U		1.0	ug/L	06/25/05	clmd
	4-Methyl-2-pentanone (MIBK)	2.5	U		2.5	ug/L	06/25/05	clmd
	Toluene	1.0	U		1.0	ug/L	06/25/05	clmd
	trans-1,3-Dichloropropene	1.0	U		1.0	ug/L	06/25/05	clmd
	1,1,2-Trichloroethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Tetrachloroethane	1.0	U		1.0	ug/L	06/25/05	clmd
	2-Hexanone	2.5	U		2.5	ug/L	06/25/05	clmd
	Dibromochloromethane	1.0	U		1.0	ug/L	06/25/05	clmd
	1,2-Dibromoethane (EDB)	1.0	U		1.0	ug/L	06/25/05	clmd
	Chlorobenzene	1.0	U		1.0	ug/L	06/25/05	clmd
	1,1,1,2-Tetrachloroethane	1.0	U		1.0	ug/L	06/25/05	clmd
	Ethylbenzene	1.0	U		1.0	ug/L	06/25/05	clmd
	Styrene	1.0	U		1.0	ug/L	06/25/05	clmd
	Bromoform	1.0	U		1.0	ug/L	06/25/05	clmd
	trans-1,4-Dichloro-2-butene	1.0	U		1.0	ug/L	06/25/05	clmd
	1,1,2,2-Tetrachloroethane	1.0	U		1.0	ug/L	06/25/05	clmd
	1,2,3-Trichloropropane	1.0	U		1.0	ug/L	06/25/05	clmd
	Xylenes (total)	1.0	U		1.0	ug/L	06/25/05	clmd
	1,4-Dichlorobenzene	1.0	U		1.0	ug/L	06/25/05	clmd
	1,2-Dichlorobenzene	1.0	U		1.0	ug/L	06/25/05	clmd
	1,2-Dibromo-3-chloropropane	1.0	U		1.0	ug/L	06/25/05	clmd

* In Description = Dry Wgt.

Page 4

12 of 62

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 315 Fullerton Avenue
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LABORATORY TEST RESULTS

Job Number: 249300

Date: 07/13/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: DUP
Date Sampled.....: 06/22/2005
Time Sampled.....: 13:14
Sample Matrix.....: Water

Laboratory Sample ID: 249300-4
Date Received.....: 06/22/2005
Time Received.....: 14:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8260B	Volatile Organics							
	Chloromethane	1.0	U		1.0	ug/L	06/25/05	clnd
	Vinyl chloride	1.0	U		1.0	ug/L	06/25/05	clnd
	Bromomethane	1.0	U		1.0	ug/L	06/25/05	clnd
	Chloroethane	1.0	U		1.0	ug/L	06/25/05	clnd
	Trichlorofluoromethane	1.0	U		1.0	ug/L	06/25/05	clnd
	1,1-Dichloroethene	1.0	U		1.0	ug/L	06/25/05	clnd
	Iodomethane	5.0	U		5.0	ug/L	06/25/05	clnd
	Carbon disulfide	1.0	U		1.0	ug/L	06/25/05	clnd
	Acetone	2.0	J	B	5.0	ug/L	06/25/05	clnd
	Methylene chloride	1.0	U		1.0	ug/L	06/25/05	clnd
	trans-1,2-Dichloroethene	1.0	U		1.0	ug/L	06/25/05	clnd
	Acrylonitrile	10	U		10	ug/L	06/25/05	clnd
	1,1-Dichloroethane	1.0	U		1.0	ug/L	06/25/05	clnd
	Vinyl acetate	1.0	U		1.0	ug/L	06/25/05	clnd
	cis-1,2-Dichloroethene	1.0	U		1.0	ug/L	06/25/05	clnd
	2-Butanone (MEK)	2.5	U		2.5	ug/L	06/25/05	clnd
	Bromochloromethane	1.0	U		1.0	ug/L	06/25/05	clnd
	Chloroform	1.0	U		1.0	ug/L	06/25/05	clnd
	1,1,1-Trichloroethane	1.0	U		1.0	ug/L	06/25/05	clnd
	Carbon tetrachloride	1.0	U		1.0	ug/L	06/25/05	clnd
	Benzene	1.0	U		1.0	ug/L	06/25/05	clnd
	1,2-Dichloroethane	1.0	U		1.0	ug/L	06/25/05	clnd
	Trichloroethene	1.0	U		1.0	ug/L	06/25/05	clnd
	1,2-Dichloropropane	1.0	U		1.0	ug/L	06/25/05	clnd
	Dibromomethane	1.0	U		1.0	ug/L	06/25/05	clnd
	Bromodichloromethane	1.0	U		1.0	ug/L	06/25/05	clnd
	cis-1,3-Dichloropropene	1.0	U		1.0	ug/L	06/25/05	clnd
	4-Methyl-2-pentanone (MIBK)	2.5	U		2.5	ug/L	06/25/05	clnd
	Toluene	1.0	U		1.0	ug/L	06/25/05	clnd
	trans-1,3-Dichloropropene	1.0	U		1.0	ug/L	06/25/05	clnd
	1,1,2-Trichloroethane	1.0	U		1.0	ug/L	06/25/05	clnd
	Tetrachloroethene	1.0	U		1.0	ug/L	06/25/05	clnd
	2-Hexanone	2.5	U		2.5	ug/L	06/25/05	clnd
	Dibromochloromethane	1.0	U		1.0	ug/L	06/25/05	clnd
	1,2-Dibromoethane (EDB)	1.0	U		1.0	ug/L	06/25/05	clnd
	Chlorobenzene	1.0	U		1.0	ug/L	06/25/05	clnd
	1,1,1,2-Tetrachloroethane	1.0	U		1.0	ug/L	06/25/05	clnd
	Ethylbenzene	1.0	U		1.0	ug/L	06/25/05	clnd
	Styrene	1.0	U		1.0	ug/L	06/25/05	clnd
	Bromoform	1.0	U		1.0	ug/L	06/25/05	clnd
	trans-1,4-Dichloro-2-butene	1.0	U		1.0	ug/L	06/25/05	clnd
	1,1,2,2-Tetrachloroethane	1.0	U		1.0	ug/L	06/25/05	clnd
	1,2,3-Trichloropropane	1.0	U		1.0	ug/L	06/25/05	clnd
	Xylenes (total)	1.0	U		1.0	ug/L	06/25/05	clnd
	1,4-Dichlorobenzene	1.0	U		1.0	ug/L	06/25/05	clnd
	1,2-Dichlorobenzene	1.0	U		1.0	ug/L	06/25/05	clnd
	1,2-Dibromo-3-chloropropane	1.0	U		1.0	ug/L	06/25/05	clnd

* In Description = Dry Wgt.

Page 5
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13 of 62



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STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

LABORATORY TEST RESULTS

Job Number: 249300

Date: 07/13/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW-207SA
Date Sampled.....: 06/22/2005
Time Sampled.....: 13:31
Sample Matrix.....: Water

Laboratory Sample ID: 249300-5
Date Received.....: 06/22/2005
Time Received.....: 14:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8260B	Volatile Organics							
	Chloromethane	1.0	U		1.0	ug/L	06/25/05	dmd
	Vinyl chloride	1.0	U		1.0	ug/L	06/25/05	dmd
	Bromomethane	1.0	U		1.0	ug/L	06/25/05	dmd
	Chloroethane	1.0	U		1.0	ug/L	06/25/05	dmd
	Trichlorofluoromethane	1.0	U		1.0	ug/L	06/25/05	dmd
	1,1-Dichloroethene	1.0	U		1.0	ug/L	06/25/05	dmd
	Iodomethane	5.0	U		5.0	ug/L	06/25/05	dmd
	Carbon disulfide	1.0	U		1.0	ug/L	06/25/05	dmd
	Acetone	1.7	J	B	5.0	ug/L	06/25/05	dmd
	Methylene chloride	1.0	U		1.0	ug/L	06/25/05	dmd
	trans-1,2-Dichloroethene	1.0	U		1.0	ug/L	06/25/05	dmd
	Acrylonitrile	10	U		10	ug/L	06/25/05	dmd
	1,1-Dichloroethane	1.0	U		1.0	ug/L	06/25/05	dmd
	Vinyl acetate	1.0	U		1.0	ug/L	06/25/05	dmd
	cis-1,2-Dichloroethene	1.0	U		1.0	ug/L	06/25/05	dmd
	2-Butanone (MEK)	2.5	U		2.5	ug/L	06/25/05	dmd
	Bromochloromethane	1.0	U		1.0	ug/L	06/25/05	dmd
	Chloroform	1.0	U		1.0	ug/L	06/25/05	dmd
	1,1,1-Trichloroethane	1.0	U		1.0	ug/L	06/25/05	dmd
	Carbon tetrachloride	1.0	U		1.0	ug/L	06/25/05	dmd
	Benzene	1.0	U		1.0	ug/L	06/25/05	dmd
	1,2-Dichloroethane	1.0	U		1.0	ug/L	06/25/05	dmd
	Trichloroethene	1.0	U		1.0	ug/L	06/25/05	dmd
	1,2-Dichloropropane	1.0	U		1.0	ug/L	06/25/05	dmd
	Dibromomethane	1.0	U		1.0	ug/L	06/25/05	dmd
	Bromodichloromethane	1.0	U		1.0	ug/L	06/25/05	dmd
	cis-1,3-Dichloropropene	1.0	U		1.0	ug/L	06/25/05	dmd
	4-Methyl-2-pentanone (MIBK)	2.5	U		2.5	ug/L	06/25/05	dmd
	Toluene	1.0	U		1.0	ug/L	06/25/05	dmd
	trans-1,3-Dichloropropene	1.0	U		1.0	ug/L	06/25/05	dmd
	1,1,2-Trichloroethane	1.0	U		1.0	ug/L	06/25/05	dmd
	Tetrachloroethene	1.0	U		1.0	ug/L	06/25/05	dmd
	2-Hexanone	2.5	U		2.5	ug/L	06/25/05	dmd
	Dibromochloromethane	1.0	U		1.0	ug/L	06/25/05	dmd
	1,2-Dibromoethane (EDB)	1.0	U		1.0	ug/L	06/25/05	dmd
	Chlorobenzene	1.0	U		1.0	ug/L	06/25/05	dmd
	1,1,1,2-Tetrachloroethane	1.0	U		1.0	ug/L	06/25/05	dmd
	Ethylbenzene	1.0	U		1.0	ug/L	06/25/05	dmd
	Styrene	1.0	U		1.0	ug/L	06/25/05	dmd
	Bromoform	1.0	U		1.0	ug/L	06/25/05	dmd
	trans-1,4-Dichloro-2-butene	1.0	U		1.0	ug/L	06/25/05	dmd
	1,1,2,2-Tetrachloroethane	1.0	U		1.0	ug/L	06/25/05	dmd
	1,2,3-Trichloropropane	1.0	U		1.0	ug/L	06/25/05	dmd
	Xylenes (total)	1.0	U		1.0	ug/L	06/25/05	dmd
	1,4-Dichlorobenzene	1.0	U		1.0	ug/L	06/25/05	dmd
	1,2-Dichlorobenzene	1.0	U		1.0	ug/L	06/25/05	dmd
	1,2-Dibromo-3-chloropropane	1.0	U		1.0	ug/L	06/25/05	dmd

* In Description = Dry Wgt.

Page 6
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14 of 62



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STL Newburgh
315 Fullerton Avenue
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Fax (845) 562-0841

LABORATORY TEST RESULTS

Job Number: 249300

Date: 07/13/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW-223S
Date Sampled.....: 06/22/2005
Time Sampled.....: 11:02
Sample Matrix.....: Water

Laboratory Sample ID: 249300-6
Date Received.....: 06/22/2005
Time Received.....: 14:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SWB46 8260B	Volatile Organics							
	Chloromethane	1.0	U		1.0	ug/L	06/25/05	dmcd
	Vinyl chloride	1.0	U		1.0	ug/L	06/25/05	dmcd
	Bromomethane	1.0	U		1.0	ug/L	06/25/05	dmcd
	Chloroethane	1.0	U		1.0	ug/L	06/25/05	dmcd
	Trichlorofluoromethane	1.0	U		1.0	ug/L	06/25/05	dmcd
	1,1-Dichloroethene	1.0	U		1.0	ug/L	06/25/05	dmcd
	Iodomethane	5.0	U		5.0	ug/L	06/25/05	dmcd
	Carbon disulfide	1.0	U		1.0	ug/L	06/25/05	dmcd
	Acetone	1.3	J	B	5.0	ug/L	06/25/05	dmcd
	Methylene chloride	1.0	U		1.0	ug/L	06/25/05	dmcd
	trans-1,2-Dichloroethene	1.0	U		1.0	ug/L	06/25/05	dmcd
	Acrylonitrile	10	U		10	ug/L	06/25/05	dmcd
	1,1-Dichloroethane	1.0	U		1.0	ug/L	06/25/05	dmcd
	Vinyl acetate	1.0	U		1.0	ug/L	06/25/05	dmcd
	cis-1,2-Dichloroethene	1.0	U		1.0	ug/L	06/25/05	dmcd
	2-Butanone (MEK)	2.5	U		2.5	ug/L	06/25/05	dmcd
	Bromochloromethane	1.0	U		1.0	ug/L	06/25/05	dmcd
	Chloroform	1.0	U		1.0	ug/L	06/25/05	dmcd
	1,1,1-Trichloroethane	1.0	U		1.0	ug/L	06/25/05	dmcd
	Carbon tetrachloride	1.0	U		1.0	ug/L	06/25/05	dmcd
	Benzene	1.0	U		1.0	ug/L	06/25/05	dmcd
	1,2-Dichloroethane	1.0	U		1.0	ug/L	06/25/05	dmcd
	Trichloroethene	1.0	U		1.0	ug/L	06/25/05	dmcd
	1,2-Dichloropropane	1.0	U		1.0	ug/L	06/25/05	dmcd
	Dibromomethane	1.0	U		1.0	ug/L	06/25/05	dmcd
	Bromodichloromethane	1.0	U		1.0	ug/L	06/25/05	dmcd
	cis-1,3-Dichloropropene	1.0	U		1.0	ug/L	06/25/05	dmcd
	4-Methyl-2-pentanone (MIBK)	2.5	U		2.5	ug/L	06/25/05	dmcd
	Toluene	1.0	U		1.0	ug/L	06/25/05	dmcd
	trans-1,3-Dichloropropene	1.0	U		1.0	ug/L	06/25/05	dmcd
	1,1,2-Trichloroethane	1.0	U		1.0	ug/L	06/25/05	dmcd
	Tetrachloroethene	1.0	U		1.0	ug/L	06/25/05	dmcd
	2-Hexanone	2.5	U		2.5	ug/L	06/25/05	dmcd
	Dibromochloromethane	1.0	U		1.0	ug/L	06/25/05	dmcd
	1,2-Dibromoethane (EDB)	1.0	U		1.0	ug/L	06/25/05	dmcd
	Chlorobenzene	1.0	U		1.0	ug/L	06/25/05	dmcd
	1,1,1,2-Tetrachloroethane	1.0	U		1.0	ug/L	06/25/05	dmcd
	Ethylbenzene	1.0	U		1.0	ug/L	06/25/05	dmcd
	Styrene	1.0	U		1.0	ug/L	06/25/05	dmcd
	Bromoform	1.0	U		1.0	ug/L	06/25/05	dmcd
	trans-1,4-Dichloro-2-butene	1.0	U		1.0	ug/L	06/25/05	dmcd
	1,1,2,2-Tetrachloroethane	1.0	U		1.0	ug/L	06/25/05	dmcd
	1,2,3-Trichloropropane	1.0	U		1.0	ug/L	06/25/05	dmcd
	Xylenes (total)	1.0	U		1.0	ug/L	06/25/05	dmcd
	1,4-Dichlorobenzene	1.0	U		1.0	ug/L	06/25/05	dmcd
	1,2-Dichlorobenzene	1.0	U		1.0	ug/L	06/25/05	dmcd
	1,2-Dibromo-3-chloropropane	1.0	U		1.0	ug/L	06/25/05	dmcd

* In Description = Dry Wgt.

Page 7
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15 of 62



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Fax (845) 562-0841

LABORATORY TEST RESULTS

Job Number: 249300

Date: 07/13/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW-223D
Date Sampled.....: 06/22/2005
Time Sampled.....: 11:31
Sample Matrix.....: Water

Laboratory Sample ID: 249300-7
Date Received.....: 06/22/2005
Time Received.....: 14:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8260B	Volatile Organics							
	Chloromethane	1.0	U		1.0	ug/L	06/25/05	dmd
	Vinyl chloride	1.0	U		1.0	ug/L	06/25/05	dmd
	Bromomethane	1.0	U		1.0	ug/L	06/25/05	dmd
	Chloroethane	1.0	U		1.0	ug/L	06/25/05	dmd
	Trichlorofluoromethane	1.0	U		1.0	ug/L	06/25/05	dmd
	1,1-Dichloroethene	1.0	U		1.0	ug/L	06/25/05	dmd
	Iodomethane	5.0	U		5.0	ug/L	06/25/05	dmd
	Carbon disulfide	1.0	U		1.0	ug/L	06/25/05	dmd
	Acetone	1.2	J	B	5.0	ug/L	06/25/05	dmd
	Methylene chloride	1.0	U		1.0	ug/L	06/25/05	dmd
	trans-1,2-Dichloroethene	1.0	U		1.0	ug/L	06/25/05	dmd
	Acrylonitrile	10	U		10	ug/L	06/25/05	dmd
	1,1-Dichloroethane	1.0	U		1.0	ug/L	06/25/05	dmd
	Vinyl acetate	1.0	U		1.0	ug/L	06/25/05	dmd
	cis-1,2-Dichloroethene	1.0	U		1.0	ug/L	06/25/05	dmd
	2-Butanone (MEK)	2.5	U		2.5	ug/L	06/25/05	dmd
	Bromochloromethane	1.0	U		1.0	ug/L	06/25/05	dmd
	Chloroform	1.0	U		1.0	ug/L	06/25/05	dmd
	1,1,1-Trichloroethane	1.0	U		1.0	ug/L	06/25/05	dmd
	Carbon tetrachloride	1.0	U		1.0	ug/L	06/25/05	dmd
	Benzene	1.0	U		1.0	ug/L	06/25/05	dmd
	1,2-Dichloroethane	1.0	U		1.0	ug/L	06/25/05	dmd
	Trichloroethene	1.0	U		1.0	ug/L	06/25/05	dmd
	1,2-Dichloropropane	1.0	U		1.0	ug/L	06/25/05	dmd
	Dibromomethane	1.0	U		1.0	ug/L	06/25/05	dmd
	Bromodichloromethane	1.0	U		1.0	ug/L	06/25/05	dmd
	cis-1,3-Dichloropropene	1.0	U		1.0	ug/L	06/25/05	dmd
	4-Methyl-2-pentanone (MIBK)	2.5	U		2.5	ug/L	06/25/05	dmd
	Toluene	1.0	U		1.0	ug/L	06/25/05	dmd
	trans-1,3-Dichloropropene	1.0	U		1.0	ug/L	06/25/05	dmd
	1,1,2-Trichloroethane	1.0	U		1.0	ug/L	06/25/05	dmd
	Tetrachloroethene	1.0	U		1.0	ug/L	06/25/05	dmd
	2-Hexanone	2.5	U		2.5	ug/L	06/25/05	dmd
	Dibromochloromethane	1.0	U		1.0	ug/L	06/25/05	dmd
	1,2-Dibromoethane (EDB)	1.0	U		1.0	ug/L	06/25/05	dmd
	Chlorobenzene	1.0	U		1.0	ug/L	06/25/05	dmd
	1,1,1,2-Tetrachloroethane	1.0	U		1.0	ug/L	06/25/05	dmd
	Ethylbenzene	1.0	U		1.0	ug/L	06/25/05	dmd
	Styrene	1.0	U		1.0	ug/L	06/25/05	dmd
	Bromoform	1.0	U		1.0	ug/L	06/25/05	dmd
	trans-1,4-Dichloro-2-butene	1.0	U		1.0	ug/L	06/25/05	dmd
	1,1,2,2-Tetrachloroethane	1.0	U		1.0	ug/L	06/25/05	dmd
	1,2,3-Trichloropropane	1.0	U		1.0	ug/L	06/25/05	dmd
	Xylenes (total)	1.0	U		1.0	ug/L	06/25/05	dmd
	1,4-Dichlorobenzene	1.0	U		1.0	ug/L	06/25/05	dmd
	1,2-Dichlorobenzene	1.0	U		1.0	ug/L	06/25/05	dmd
	1,2-Dibromo-3-chloropropane	1.0	U		1.0	ug/L	06/25/05	dmd

* In Description = Dry Wgt.

Page 8

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16 of 62



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Fax (845) 562-0841

Job Number: 249300

LABORATORY TEST RESULTS

Date: 07/13/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW-221D
 Date Sampled.....: 06/22/2005
 Time Sampled.....: 12:20
 Sample Matrix.....: Water

Laboratory Sample ID: 249300-8
 Date Received.....: 06/22/2005
 Time Received.....: 14:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8260B	Volatile Organics							
	Chloromethane	1.0	U		1.0	ug/L	06/30/05	clnd
	Vinyl chloride	1.0	U		1.0	ug/L	06/30/05	clnd
	Bromomethane	1.0	U		1.0	ug/L	06/30/05	clnd
	Chloroethane	1.0	U		1.0	ug/L	06/30/05	clnd
	Trichlorofluoromethane	1.0	U		1.0	ug/L	06/30/05	clnd
	1,1-Dichloroethene	1.0	U		1.0	ug/L	06/30/05	clnd
	Iodomethane	5.0	U		5.0	ug/L	06/30/05	clnd
	Carbon disulfide	1.0	U		1.0	ug/L	06/30/05	clnd
	Acetone	5.0	U		5.0	ug/L	06/30/05	clnd
	Methylene chloride	1.0	U		1.0	ug/L	06/30/05	clnd
	trans-1,2-Dichloroethene	1.0	U		1.0	ug/L	06/30/05	clnd
	Acrylonitrile	10	U		10	ug/L	06/30/05	clnd
	1,1-Dichloroethane	1.0	U		1.0	ug/L	06/30/05	clnd
	Vinyl acetate	1.0	U		1.0	ug/L	06/30/05	clnd
	cis-1,2-Dichloroethene	1.0	U		1.0	ug/L	06/30/05	clnd
	2-Butanone (MEK)	2.5	U		2.5	ug/L	06/30/05	clnd
	Bromochloromethane	1.0	U		1.0	ug/L	06/30/05	clnd
	Chloroform	1.0	U		1.0	ug/L	06/30/05	clnd
	1,1,1-Trichloroethane	1.0	U		1.0	ug/L	06/30/05	clnd
	Carbon tetrachloride	1.0	U		1.0	ug/L	06/30/05	clnd
	Benzene	1.0	U		1.0	ug/L	06/30/05	clnd
	1,2-Dichloroethane	1.0	U		1.0	ug/L	06/30/05	clnd
	Trichloroethene	1.0	U		1.0	ug/L	06/30/05	clnd
	1,2-Dichloropropane	1.0	U		1.0	ug/L	06/30/05	clnd
	Dibromomethane	1.0	U		1.0	ug/L	06/30/05	clnd
	Bromodichloromethane	1.0	U		1.0	ug/L	06/30/05	clnd
	cis-1,3-Dichloropropene	1.0	U		1.0	ug/L	06/30/05	clnd
	4-Methyl-2-pentanone (MIBK)	2.5	U		2.5	ug/L	06/30/05	clnd
	Toluene	1.0	U		1.0	ug/L	06/30/05	clnd
	trans-1,3-Dichloropropene	1.0	U		1.0	ug/L	06/30/05	clnd
	1,1,2-Trichloroethane	1.0	U		1.0	ug/L	06/30/05	clnd
	Tetrachloroethene	1.0	U		1.0	ug/L	06/30/05	clnd
	2-Hexanone	2.5	U		2.5	ug/L	06/30/05	clnd
	Dibromochloromethane	1.0	U		1.0	ug/L	06/30/05	clnd
	1,2-Dibromoethane (EDB)	1.0	U		1.0	ug/L	06/30/05	clnd
	Chlorobenzene	1.0	U		1.0	ug/L	06/30/05	clnd
	1,1,1,2-Tetrachloroethane	1.0	U		1.0	ug/L	06/30/05	clnd
	Ethylbenzene	1.0	U		1.0	ug/L	06/30/05	clnd
	Styrene	1.0	U		1.0	ug/L	06/30/05	clnd
	Bromoform	1.0	U		1.0	ug/L	06/30/05	clnd
	trans-1,4-Dichloro-2-butene	1.0	U		1.0	ug/L	06/30/05	clnd
	1,1,2,2-Tetrachloroethane	1.0	U		1.0	ug/L	06/30/05	clnd
	1,2,3-Trichloropropane	1.0	U		1.0	ug/L	06/30/05	clnd
	Xylenes (total)	1.0	U		1.0	ug/L	06/30/05	clnd
	1,4-Dichlorobenzene	1.0	U		1.0	ug/L	06/30/05	clnd
	1,2-Dichlorobenzene	1.0	U		1.0	ug/L	06/30/05	clnd
	1,2-Dibromo-3-chloropropane	1.0	U		1.0	ug/L	06/30/05	clnd

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Page 9

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17 of 62



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 Fax (845) 562-0841

Job Number: 249300

LABORATORY TEST RESULTS

Date: 07/13/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW-221S
 Date Sampled.....: 06/22/2005
 Time Sampled.....: 12:39
 Sample Matrix.....: Water

Laboratory Sample ID: 249300-9
 Date Received.....: 06/22/2005
 Time Received.....: 14:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8260B	Volatile Organics							
	Chloromethane	1.0	U		1.0	ug/L	06/30/05	dmd
	Vinyl chloride	1.0	U		1.0	ug/L	06/30/05	dmd
	Bromomethane	1.0	U		1.0	ug/L	06/30/05	dmd
	Chloroethane	1.0	U		1.0	ug/L	06/30/05	dmd
	Trichlorofluoromethane	1.0	U		1.0	ug/L	06/30/05	dmd
	1,1-Dichloroethene	1.0	U		1.0	ug/L	06/30/05	dmd
	Iodomethane	5.0	U		5.0	ug/L	06/30/05	dmd
	Carbon disulfide	1.0	U		1.0	ug/L	06/30/05	dmd
	Acetone	5.0	U		5.0	ug/L	06/30/05	dmd
	Methylene chloride	1.0	U		1.0	ug/L	06/30/05	dmd
	trans-1,2-Dichloroethene	1.0	U		1.0	ug/L	06/30/05	dmd
	Acrylonitrile	10	U		10	ug/L	06/30/05	dmd
	1,1-Dichloroethane	0.98	J		1.0	ug/L	06/30/05	dmd
	Vinyl acetate	1.0	U		1.0	ug/L	06/30/05	dmd
	cis-1,2-Dichloroethene	1.0	U		1.0	ug/L	06/30/05	dmd
	2-Butanone (MEK)	2.5	U		2.5	ug/L	06/30/05	dmd
	Bromochloromethane	1.0	U		1.0	ug/L	06/30/05	dmd
	Chloroform	1.0	U		1.0	ug/L	06/30/05	dmd
	1,1,1-Trichloroethane	1.0	U		1.0	ug/L	06/30/05	dmd
	Carbon tetrachloride	1.0	U		1.0	ug/L	06/30/05	dmd
	Benzene	1.0	U		1.0	ug/L	06/30/05	dmd
	1,2-Dichloroethane	1.0	U		1.0	ug/L	06/30/05	dmd
	Trichloroethene	1.0	U		1.0	ug/L	06/30/05	dmd
	1,2-Dichloropropane	1.0	U		1.0	ug/L	06/30/05	dmd
	Dibromomethane	1.0	U		1.0	ug/L	06/30/05	dmd
	Bromodichloromethane	1.0	U		1.0	ug/L	06/30/05	dmd
	cis-1,3-Dichloropropene	1.0	U		1.0	ug/L	06/30/05	dmd
	4-Methyl-2-pentanone (MIBK)	2.5	U		2.5	ug/L	06/30/05	dmd
	Toluene	1.0	U		1.0	ug/L	06/30/05	dmd
	trans-1,3-Dichloropropene	1.0	U		1.0	ug/L	06/30/05	dmd
	1,1,2-Trichloroethane	1.0	U		1.0	ug/L	06/30/05	dmd
	Tetrachloroethene	1.0	U		1.0	ug/L	06/30/05	dmd
	2-Hexanone	2.5	U		2.5	ug/L	06/30/05	dmd
	Dibromochloromethane	1.0	U		1.0	ug/L	06/30/05	dmd
	1,2-Dibromoethane (EDB)	1.0	U		1.0	ug/L	06/30/05	dmd
	Chlorobenzene	1.0	U		1.0	ug/L	06/30/05	dmd
	1,1,1,2-Tetrachloroethane	1.0	U		1.0	ug/L	06/30/05	dmd
	Ethylbenzene	1.0	U		1.0	ug/L	06/30/05	dmd
	Styrene	1.0	U		1.0	ug/L	06/30/05	dmd
	Bromoform	1.0	U		1.0	ug/L	06/30/05	dmd
	trans-1,4-Dichloro-2-butene	1.0	U		1.0	ug/L	06/30/05	dmd
	1,1,2,2-Tetrachloroethane	1.0	U		1.0	ug/L	06/30/05	dmd
	1,2,3-Trichloropropane	1.0	U		1.0	ug/L	06/30/05	dmd
	Xylenes (total)	1.0	U		1.0	ug/L	06/30/05	dmd
	1,4-Dichlorobenzene	1.0	U		1.0	ug/L	06/30/05	dmd
	1,2-Dichlorobenzene	1.0	U		1.0	ug/L	06/30/05	dmd
	1,2-Dibromo-3-chloropropane	1.0	U		1.0	ug/L	06/30/05	dmd

* In Description = Dry Wgt.

Page 10
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18 of 62



NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 66-378

M-NY049

STL Newburgh
 315 Fulton Avenue
 Newburgh, NY 12550
 Tel (845) 562-0890
 Fax (845) 562-0841

LABORATORY TEST RESULTS

Job Number: 249300

Date: 07/13/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: Trip Blank
Date Sampled.....: 06/22/2005
Time Sampled.....: 00:00
Sample Matrix.....: Trip Blank

Laboratory Sample ID: 249300-10
Date Received.....: 06/22/2005
Time Received.....: 14:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8260B	Volatile Organics							
	Chloromethane	1.0	U		1.0	ug/L	06/30/05	dmd
	Vinyl chloride	1.0	U		1.0	ug/L	06/30/05	dmd
	Bromomethane	1.0	U		1.0	ug/L	06/30/05	dmd
	Chloroethane	1.0	U		1.0	ug/L	06/30/05	dmd
	Trichlorofluoromethane	1.0	U		1.0	ug/L	06/30/05	dmd
	1,1-Dichloroethene	1.0	U		1.0	ug/L	06/30/05	dmd
	Iodomethane	5.0	U		5.0	ug/L	06/30/05	dmd
	Carbon disulfide	1.0	U		1.0	ug/L	06/30/05	dmd
	Acetone	0.65	J		5.0	ug/L	06/30/05	dmd
	Methylene chloride	0.65	J		1.0	ug/L	06/30/05	dmd
	trans-1,2-Dichloroethene	1.0	U		1.0	ug/L	06/30/05	dmd
	Acrylonitrile	10	U		10	ug/L	06/30/05	dmd
	1,1-Dichloroethane	1.0	U		1.0	ug/L	06/30/05	dmd
	Vinyl acetate	1.0	U		1.0	ug/L	06/30/05	dmd
	cis-1,2-Dichloroethene	1.0	U		1.0	ug/L	06/30/05	dmd
	2-Butanone (MEK)	2.5	U		2.5	ug/L	06/30/05	dmd
	Bromochloromethane	1.0	U		1.0	ug/L	06/30/05	dmd
	Chloroform	1.0	U		1.0	ug/L	06/30/05	dmd
	1,1,1-Trichloroethane	1.0	U		1.0	ug/L	06/30/05	dmd
	Carbon tetrachloride	1.0	U		1.0	ug/L	06/30/05	dmd
	Benzene	1.0	U		1.0	ug/L	06/30/05	dmd
	1,2-Dichloroethane	1.0	U		1.0	ug/L	06/30/05	dmd
	Trichloroethene	1.0	U		1.0	ug/L	06/30/05	dmd
	1,2-Dichloropropane	1.0	U		1.0	ug/L	06/30/05	dmd
	Dibromomethane	1.0	U		1.0	ug/L	06/30/05	dmd
	Bromodichloromethane	1.0	U		1.0	ug/L	06/30/05	dmd
	cis-1,3-Dichloropropene	1.0	U		1.0	ug/L	06/30/05	dmd
	4-Methyl-2-pentanone (MIBK)	2.5	U		2.5	ug/L	06/30/05	dmd
	Toluene	1.0	U		1.0	ug/L	06/30/05	dmd
	trans-1,3-Dichloropropene	1.0	U		1.0	ug/L	06/30/05	dmd
	1,1,2-Trichloroethane	1.0	U		1.0	ug/L	06/30/05	dmd
	Tetrachloroethene	1.0	U		1.0	ug/L	06/30/05	dmd
	2-Hexanone	2.5	U		2.5	ug/L	06/30/05	dmd
	Dibromochloromethane	1.0	U		1.0	ug/L	06/30/05	dmd
	1,2-Dibromoethane (EDB)	1.0	U		1.0	ug/L	06/30/05	dmd
	Chlorobenzene	1.0	U		1.0	ug/L	06/30/05	dmd
	1,1,1,2-Tetrachloroethane	1.0	U		1.0	ug/L	06/30/05	dmd
	Ethylbenzene	1.0	U		1.0	ug/L	06/30/05	dmd
	Styrene	1.0	U		1.0	ug/L	06/30/05	dmd
	Bromoform	1.0	U		1.0	ug/L	06/30/05	dmd
	trans-1,4-Dichloro-2-butene	1.0	U		1.0	ug/L	06/30/05	dmd
	1,1,2,2-Tetrachloroethane	1.0	U		1.0	ug/L	06/30/05	dmd
	1,2,3-Trichloropropane	1.0	U		1.0	ug/L	06/30/05	dmd
	Xylenes (total)	1.0	U		1.0	ug/L	06/30/05	dmd
	1,4-Dichlorobenzene	1.0	U		1.0	ug/L	06/30/05	dmd
	1,2-Dichlorobenzene	1.0	U		1.0	ug/L	06/30/05	dmd
	1,2-Dibromo-3-chloropropane	1.0	U		1.0	ug/L	06/30/05	dmd

* In Description = Dry Wgt.

Page 11
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19 of 62



NYSDOH 10142

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PA 68-378

M-NY049

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315 Fullerton Avenue
Newburgh, NY 12550
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Fax (845) 562-0841

LABORATORY TEST RESULTS

Job Number: 249300

Date: 07/21/2005

CUSTOMER: C&S Engineers

PROJECT: OELF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MU-3030
Date Sampled.....: 06/22/2005
Time Sampled.....: 12:06
Sample Matrix.....: Water

Laboratory Sample ID: 249300-1
Date Received.....: 06/22/2005
Time Received.....: 14:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAG	IDL	RL	DILUTION	UNITS	BATCH	DT	DATE	TECH
EPA 245.1	Mercury (Hg)	0.16	U	0.16	0.20	1	ug/L	93040		06/28/05	lms
EPA 245.1	Mercury (Hg), Diss.	0.16	U	0.16	0.20	1	ug/L	93040		06/28/05	lms
EPA 200.7	Hardness by calculation Hardness, Total as CaCO3 Hardness, Total as CaCO3, Diss.	197 201			2.50 2.50	1 1	mg/L mg/L	93930 93927		07/14/05 07/13/05	mad mad
EPA 200.7	Metals Analysis (ICP) Aluminum (Al) Aluminum (Al), Diss. Antimony (Sb) Antimony (Sb), Diss. Arsenic (As) Arsenic (As), Diss. Barium (Ba) Barium (Ba), Diss. Beryllium (Be) Beryllium (Be), Diss. Boron (B) Boron (B), Diss. Cadmium (Cd) Cadmium (Cd), Diss. Calcium (Ca) Calcium (Ca), Diss. Chromium (Cr) Chromium (Cr), Diss. Cobalt (Co)	88.1 10.4 2.5 2.5 5.5 9.2 31.6 31.5 0.40 0.40 367 370 0.80 0.80 47500 48600 1.1 0.90 1.9	B U U U B B B B U U U U U U U U B U U	10.4 10.4 2.5 2.5 3.1 3.1 7.1 7.1 0.40 0.40 3.7 3.7 0.80 0.80 58.0 58.0 1.1 0.90 1.9	200 200 60.0 60.0 10.0 10.0 200 200 5.0 5.0 50.0 50.0 5.0 5.0 5000 5000 10.0 10.0 50.0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L ug/L	93912 93873 93912 93873 93912 93873 93912 93873 93912 93873 93912 93873 93912 93873 93912 93873 93912 93873 93912		07/14/05 07/13/05 07/14/05 07/13/05 07/14/05 07/13/05 07/14/05 07/13/05 07/14/05 07/13/05 07/14/05 07/13/05 07/14/05 07/13/05 07/14/05 07/13/05 07/14/05 07/13/05 07/14/05	mad mad mad mad mad mad mad mad mad mad mad mad mad mad mad mad mad mad mad mad

20 of 62

20 of 62

* In Description = Dry Wgt.

LABORATORY TEST RESULTS											
Job Number: 249300				Date: 07/21/2005							
CUSTOMER: C&S Engineers				ATTN: Christen Craig							
Customer Sample ID: MW-303D Date Sampled.....: 06/22/2005 Time Sampled.....: 12:06 Sample Matrix.....: Water				PROJECT: OCLF, GOSHEN, NEW YORK Laboratory Sample ID: 249300-1 Date Received.....: 06/22/2005 Time Received.....: 14:50							
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAG	IDL	RL	DILUTION	UNITS	BATCH	DT	DATE	TECH
21 of 62	Cobalt (Co), Diss.	1.9	U	1.9	50.0	1	ug/L	93873		07/13/05	mad
	Copper (Cu)	6.7	B	1.2	25.0	1	ug/L	93912		07/14/05	mad
	Copper (Cu), Diss.	1.2	U	1.2	25.0	1	ug/L	93873		07/13/05	mad
	Iron (Fe)	428		7.7	100	1	ug/L	93912		07/14/05	mad
	Iron (Fe), Diss.	13.5	B	7.7	100	1	ug/L	93873		07/13/05	mad
	Lead (Pb)	2.4	B	1.9	5.0	1	ug/L	93912		07/14/05	mad
	Lead (Pb), Diss.	1.9	U	1.9	5.0	1	ug/L	93873		07/13/05	mad
	Magnesium (Mg)	19200		16.6	5000	1	ug/L	93912		07/14/05	mad
	Magnesium (Mg), Diss.	19300		16.6	5000	1	ug/L	93873		07/13/05	mad
	Manganese (Mn)	30.9		2.1	10.0	1	ug/L	93912		07/14/05	mad
	Manganese (Mn), Diss.	2.8	B	2.1	10.0	1	ug/L	93873		07/13/05	mad
	Nickel (Ni)	4.4	B	2.3	40.0	1	ug/L	93912		07/14/05	mad
	Nickel (Ni), Diss.	3.1	B	2.3	40.0	1	ug/L	93873		07/13/05	mad
	Potassium (K)	8590	B	284	10000	2.000	ug/L	94100		07/15/05	mad
	Potassium (K), Diss.	9100	B	77.2	10000	2.000	ug/L	93973		07/15/05	mad
	Selenium (Se)	3.9	U	3.9	10.0	1	ug/L	93912		07/14/05	mad
	Selenium (Se), Diss.	3.9	U	3.9	10.0	1	ug/L	93873		07/13/05	mad
	Silver (Ag)	1.4	B	1.1	10.0	1	ug/L	93912		07/14/05	mad
	Silver (Ag), Diss.	1.1	U	1.1	10.0	1	ug/L	93873		07/13/05	mad
	Sodium (Na)	169000		10.6	5000	1	ug/L	93912		07/14/05	mad
	Sodium (Na), Diss.	177000		10.6	5000	1	ug/L	93873		07/13/05	mad
	Thallium (Tl)	2.9	U	2.9	10.0	1	ug/L	93912		07/14/05	mad
	Thallium (Tl), Diss.	2.9	U	2.9	10.0	1	ug/L	93873		07/13/05	mad
	Vanadium (V)	2.0	U	2.0	50.0	1	ug/L	93912		07/14/05	mad
	Vanadium (V), Diss.	2.0	U	2.0	50.0	1	ug/L	93873		07/13/05	mad
	Zinc (Zn)	47.9		2.5	20.0	1	ug/L	93912		07/14/05	mad
	Zinc (Zn), Diss.	18.7	B	2.5	20.0	1	ug/L	93873		07/13/05	mad

* In Description = Dry Wgt.

Job Number: 249300

Customer: C&S Engineers

Project: OCLF, GOSHEN, NEW YORK

ATTN: Kristen Craig

Customer Sample ID: MW-303S

Date Sampled: 06/22/2005

Time Sampled: 12:41

Sample Matrix: Water

Laboratory Sample ID: 249300-2

Date Received: 06/22/2005

Time Received: 14:50

LABORATORY TEST RESULTS

Date: 07/21/2005

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	BATCH	DT	DATE	TECH
EPA 245.1	Mercury (Hg)	0.16	U	0.16	0.20	1	ug/L	93040		06/28/05	lms
EPA 245.1	Mercury (Hg), Diss.	0.16	U	0.16	0.20	1	ug/L	93040		06/28/05	lms
EPA 200.7	Hardness by calculation Hardness, Total as CaCO3 Hardness, Total as CaCO3, Diss.	447 466			2.50 2.50	1 1	mg/L mg/L	93930 93927		07/14/05 07/13/05	mad mad
EPA 200.7	Metals Analysis (ICP)										
	Aluminum (Al)	713		10.4	200	1	ug/L	93912		07/14/05	mad
	Aluminum (Al), Diss.	10.4	U	10.4	200	1	ug/L	93873		07/13/05	mad
	Antimony (Sb)	2.5	U	2.5	60.0	1	ug/L	93912		07/14/05	mad
	Antimony (Sb), Diss.	2.5	U	2.5	60.0	1	ug/L	93873		07/13/05	mad
	Arsenic (As)	13.0	N	3.1	10.0	1	ug/L	93912		07/14/05	mad
	Arsenic (As), Diss.	9.9	B	3.1	10.0	1	ug/L	93873		07/13/05	mad
	Barium (Ba)	149	B	7.1	200	1	ug/L	93912		07/14/05	mad
	Barium (Ba), Diss.	147	B	7.1	200	1	ug/L	93873		07/13/05	mad
	Beryllium (Be)	0.40	U	0.40	5.0	1	ug/L	93912		07/14/05	mad
	Beryllium (Be), Diss.	0.40	U	0.40	5.0	1	ug/L	93873		07/13/05	mad
	Boron (B)	37.5	B	3.7	50.0	1	ug/L	93912		07/14/05	mad
	Boron (B), Diss.	37.6	B	3.7	50.0	1	ug/L	93873		07/13/05	mad
	Cadmium (Cd)	0.80	U	0.80	5.0	1	ug/L	93912		07/14/05	mad
	Cadmium (Cd), Diss.	0.80	U	0.80	5.0	1	ug/L	93873		07/13/05	mad
	Calcium (Ca)	140000	U	58.0	5000	1	ug/L	93912		07/14/05	mad
	Calcium (Ca), Diss.	148000	U	58.0	5000	1	ug/L	93873		07/13/05	mad
	Chromium (Cr)	2.5	B	0.90	10.0	1	ug/L	93912		07/14/05	mad
	Chromium (Cr), Diss.	0.90	U	0.90	10.0	1	ug/L	93873		07/13/05	mad
	Cobalt (Co)	5.1	B	1.9	50.0	1	ug/L	93912		07/14/05	mad

22 of 62

22 of 62

* In Description = Dry Wgt.

LABORATORY TEST RESULTS												
Job Number: 249300			Date:07/21/2005									
CUSTOMER: C&S Engineers			PROJECT: OCLE, GOSHEN, NEW YORK									
			ATTN: Christen Craig									
Customer Sample ID: HW-303S			Laboratory Sample ID: 249300-2									
Date Sampled.....: 06/22/2005			Date Received.....: 06/22/2005									
Time Sampled.....: 12:41			Time Received.....: 14:50									
Sample Matrix.....: Water												
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	IDL	RL	DILUTION	UNITS	BATCH	DT	DATE	TECH
23 of 62	Cobalt (Co), Diss.	1.9	U		1.9	50.0	1	ug/L	93873		07/13/05	mad
	Copper (Cu)	3.2	B		1.2	25.0	1	ug/L	93912		07/14/05	mad
	Copper (Cu), Diss.	1.2	U		1.2	25.0	1	ug/L	93873		07/13/05	mad
	Iron (Fe)	23900			7.7	100	1	ug/L	93912		07/14/05	mad
	Iron (Fe), Diss.	22500			7.7	100	1	ug/L	93873		07/13/05	mad
	Lead (Pb)	5.0	B	N	1.9	5.0	1	ug/L	93912		07/14/05	mad
	Lead (Pb), Diss.	3.1	B	N	1.9	5.0	1	ug/L	93873		07/13/05	mad
	Magnesium (Mg)	23600			16.6	5000	1	ug/L	93912		07/14/05	mad
	Magnesium (Mg), Diss.	23600			16.6	5000	1	ug/L	93873		07/13/05	mad
	Manganese (Mn)	1750			2.1	10.0	1	ug/L	93912		07/14/05	mad
	Manganese (Mn), Diss.	1740			2.1	10.0	1	ug/L	93873		07/13/05	mad
	Nickel (Ni)	5.8	B		2.3	40.0	1	ug/L	93912		07/14/05	mad
	Nickel (Ni), Diss.	2.3	U		2.3	40.0	1	ug/L	93873		07/13/05	mad
	Potassium (K)	3400	B		142	5000	1	ug/L	94100		07/15/05	mad
	Potassium (K), Diss.	3380	B	E	38.6	5000	1	ug/L	93873		07/13/05	mad
	Selenium (Se)	3.9	U	N	3.9	10.0	1	ug/L	93912		07/14/05	mad
	Selenium (Se), Diss.	3.9	U	N	3.9	10.0	1	ug/L	93873		07/13/05	mad
	Silver (Ag)	2.0	B	N	1.1	10.0	1	ug/L	93912		07/14/05	mad
	Silver (Ag), Diss.	1.7	B	N	1.1	10.0	1	ug/L	93873		07/13/05	mad
	Sodium (Na)	8710			10.6	5000	1	ug/L	93912		07/14/05	mad
	Sodium (Na), Diss.	8660			10.6	5000	1	ug/L	93873		07/13/05	mad
	Thallium (Tl)	2.9	U	N	2.9	10.0	1	ug/L	93912		07/14/05	mad
	Thallium (Tl), Diss.	2.9	B		2.9	10.0	1	ug/L	93873		07/13/05	mad
	Vanadium (V)	2.1	B		2.0	50.0	1	ug/L	93912		07/14/05	mad
	Vanadium (V), Diss.	2.0	U		2.0	50.0	1	ug/L	93873		07/13/05	mad
	Zinc (Zn)	58.0			2.5	20.0	1	ug/L	93912		07/14/05	mad
	Zinc (Zn), Diss.	2.5	U		2.5	20.0	1	ug/L	93873		07/13/05	mad

* In Description = Dry Wgt.

LABORATORY TEST RESULTS											
Job Number: 249300			Date: 07/21/2005								
CUSTOMER: C&S Engineers			ATTN: Christen Craig								
PROJECT: OCLF, GOSHEN, NEW YORK											
Customer Sample ID: MW-207D			Laboratory Sample ID: 249300-3								
Date Sampled.....: 06/22/2005			Date Received.....: 06/22/2005								
Time Sampled.....: 13:14			Time Received.....: 14:50								
Sample Matrix.....: Water											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	BATCH	DT	DATE	TECH
EPA 245.1	Mercury (Hg)	0.16	U	0.16	0.20	1	ug/L	93040		06/28/05	lms
EPA 245.1	Mercury (Hg), Diss.	0.16	U	0.16	0.20	1	ug/L	93040		06/28/05	lms
EPA 200.7	Hardness by calculation	347			2.50	1	mg/L	93930		07/14/05	med
	Hardness, Total as CaCO3	350			2.50	1	mg/L	93927		07/13/05	med
EPA 200.7	Metals Analysis (ICP)										
	Aluminum (Al)	204	U	10.4	200	1	ug/L	93912		07/14/05	med
	Aluminum (Al), Diss.	10.4	U	10.4	200	1	ug/L	93873		07/13/05	med
	Antimony (Sb)	2.5	U	2.5	60.0	1	ug/L	93912		07/14/05	med
	Antimony (Sb), Diss.	2.5	U	2.5	60.0	1	ug/L	93873		07/13/05	med
	Arsenic (As)	26.2	U	3.1	10.0	1	ug/L	93912		07/14/05	med
	Arsenic (As), Diss.	3.1	U	3.1	10.0	1	ug/L	93873		07/13/05	med
	Barium (Ba)	43.3	B	7.1	200	1	ug/L	93912		07/14/05	med
	Barium (Ba), Diss.	14.9	B	7.1	200	1	ug/L	93873		07/13/05	med
	Beryllium (Be)	0.40	U	0.40	5.0	1	ug/L	93912		07/14/05	med
	Beryllium (Be), Diss.	0.40	U	0.40	5.0	1	ug/L	93873		07/13/05	med
	Boron (B)	23.8	B	3.7	50.0	1	ug/L	93912		07/14/05	med
	Boron (B), Diss.	21.1	B	3.7	50.0	1	ug/L	93873		07/13/05	med
	Cadmium (Cd)	0.80	U	0.80	5.0	1	ug/L	93912		07/14/05	med
	Cadmium (Cd), Diss.	0.80	U	0.80	5.0	1	ug/L	93873		07/13/05	med
	Calcium (Ca)	94400	U	58.0	5000	1	ug/L	93912		07/14/05	med
	Calcium (Ca), Diss.	93800	U	58.0	5000	1	ug/L	93873		07/13/05	med
	Chromium (Cr)	5.4	B	0.90	10.0	1	ug/L	93912		07/14/05	med
	Chromium (Cr), Diss.	1.1	B	0.90	10.0	1	ug/L	93873		07/13/05	med
	Cobalt (Co)	1.9	U	1.9	50.0	1	ug/L	93912		07/14/05	med

24 of 62

24 of 62

* In Description = Dry Wgt.

Page 6

LABORATORY TEST RESULTS

Job Number: 249300

Date: 07/21/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW-2070
Date Sampled.....: 06/22/2005
Time Sampled.....: 13:14
Sample Matrix.....: Water

Laboratory Sample ID: 249300-3
Date Received.....: 06/22/2005
Time Received.....: 14:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	BATCH	DT	DATE	TECH
25 of 62	Cobalt (Co), Diss.	1.9	U	1.9	50.0	1	ug/L	93873		07/13/05	mad
	Copper (Cu)	3.6	B	1.2	25.0	1	ug/L	93912		07/14/05	mad
	Copper (Cu), Diss.	1.2	U	1.2	25.0	1	ug/L	93873		07/13/05	mad
	Iron (Fe)	10900		7.7	100	1	ug/L	93912		07/14/05	mad
	Iron (Fe), Diss.	13.0	B	7.7	100	1	ug/L	93873		07/13/05	mad
	Lead (Pb)	9.1		1.9	5.0	1	ug/L	93912		07/14/05	mad
	Lead (Pb), Diss.	1.9	U	1.9	5.0	1	ug/L	93873		07/13/05	mad
	Magnesium (Mg)	27000		16.6	5000	1	ug/L	93912		07/14/05	mad
	Magnesium (Mg), Diss.	28100		16.6	5000	1	ug/L	93873		07/13/05	mad
	Manganese (Mn)	2240		2.1	10.0	1	ug/L	93912		07/14/05	mad
	Manganese (Mn), Diss.	3.8	B	2.1	10.0	1	ug/L	93873		07/13/05	mad
	Nickel (Ni)	2.7	B	2.3	40.0	1	ug/L	93912		07/14/05	mad
	Nickel (Ni), Diss.	2.3	U	2.3	40.0	1	ug/L	93873		07/13/05	mad
	Potassium (K)	8420		142	5000	1	ug/L	94100		07/15/05	mad
	Potassium (K), Diss.	8740		38.6	5000	1	ug/L	93873		07/13/05	mad
	Selenium (Se)	3.9	U	3.9	10.0	1	ug/L	93912		07/14/05	mad
	Selenium (Se), Diss.	3.9	U	3.9	10.0	1	ug/L	93873		07/13/05	mad
	Silver (Ag)	2.1	B	1.1	10.0	1	ug/L	93912		07/14/05	mad
	Silver (Ag), Diss.	1.1	U	1.1	10.0	1	ug/L	93873		07/13/05	mad
	Sodium (Na)	19800		10.6	5000	1	ug/L	93912		07/14/05	mad
	Sodium (Na), Diss.	20100		10.6	5000	1	ug/L	93873		07/13/05	mad
	Thallium (Tl)	2.9	U	2.9	10.0	1	ug/L	93912		07/14/05	mad
	Thallium (Tl), Diss.	2.9	U	2.9	10.0	1	ug/L	93873		07/13/05	mad
	Vanadium (V)	2.0	U	2.0	50.0	1	ug/L	93912		07/14/05	mad
	Vanadium (V), Diss.	2.0	U	2.0	50.0	1	ug/L	93873		07/13/05	mad
	Zinc (Zn)	93.4		2.5	20.0	1	ug/L	93912		07/14/05	mad
	Zinc (Zn), Diss.	2.8	B	2.5	20.0	1	ug/L	93873		07/13/05	mad

* In Description = Dry Wgt.

LABORATORY TEST RESULTS												
Job Number: 249300			Date:07/21/2005									
CUSTOMER: C&S Engineers			ATTN: Christen Craig									
Customer Sample ID: DUP Date Sampled.....: 06/22/2005 Time Sampled.....: 13:14 Sample Matrix.....: Water			Laboratory Sample ID: 249300-4 Date Received.....: 06/22/2005 Time Received.....: 14:50									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	IDL	RL	DILUTION	UNITS	BATCH	DT	DATE	TECH
EPA 245.1	Mercury (Hg)	0.16	U		0.16	0.20	1	ug/L	93040		06/28/05	lms
EPA 245.1	Mercury (Hg), Diss.	0.16	U	N	0.16	0.20	1	ug/L	93040		06/28/05	lms
EPA 200.7	Hardness by calculation Hardness, Total as CaCO3 Hardness, Total as CaCO3, Diss.	364 355				2.50 2.50	1 1	mg/L mg/L	93930 93927		07/14/05 07/13/05	med med
EPA 200.7	Metals Analysis (ICP)											
	Aluminum (Al)	218			10.4	200	1	ug/L	93912		07/14/05	med
	Aluminum (Al), Diss.	10.4	U		10.4	200	1	ug/L	93873		07/13/05	med
	Antimony (Sb)	2.5	U	N	2.5	60.0	1	ug/L	93912		07/14/05	med
	Antimony (Sb), Diss.	2.5	U		2.5	60.0	1	ug/L	93873		07/13/05	med
	Arsenic (As)	28.9		N	3.1	10.0	1	ug/L	93912		07/14/05	med
	Arsenic (As), Diss.	4.3	B		3.1	10.0	1	ug/L	93873		07/13/05	med
	Barium (Ba)	45.8	B		7.1	200	1	ug/L	93912		07/14/05	med
	Barium (Ba), Diss.	15.1	B		7.1	200	1	ug/L	93873		07/13/05	med
	Beryllium (Be)	0.40	U		0.40	5.0	1	ug/L	93912		07/14/05	med
	Beryllium (Be), Diss.	0.40	U		0.40	5.0	1	ug/L	93873		07/13/05	med
	Boron (B)	24.5	B	E	3.7	50.0	1	ug/L	93912		07/14/05	med
	Boron (B), Diss.	19.6	B	E	3.7	50.0	1	ug/L	93873		07/13/05	med
	Cadmium (Cd)	0.80	U	N	0.80	5.0	1	ug/L	93912		07/14/05	med
	Cadmium (Cd), Diss.	0.80	U		0.80	5.0	1	ug/L	93873		07/13/05	med
	Calcium (Ca)	99200	U		58.0	5000	1	ug/L	93912		07/14/05	med
	Calcium (Ca), Diss.	95600	U		58.0	5000	1	ug/L	93873		07/13/05	med
	Chromium (Cr)	5.6	B		0.90	10.0	1	ug/L	93912		07/14/05	med
	Chromium (Cr), Diss.	1.4	B		0.90	10.0	1	ug/L	93873		07/13/05	med
	Cobalt (Co)	2.0	B		1.9	50.0	1	ug/L	93912		07/14/05	med

26 of 62

26 of 62

LABORATORY TEST RESULTS

Job Number: 249300

Date: 07/21/2005

CUSTOMER: C&S Engineers

PROJECT: OELF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: DUP
Date Sampled.....: 06/22/2005
Time Sampled.....: 13:14
Sample Matrix.....: Water

Laboratory Sample ID: 249300-4
Date Received.....: 06/22/2005
Time Received.....: 14:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	BATCH	DT	DATE	TECH
	Cobalt (Co), Diss.	1.9	U	1.9	50.0	1	ug/L	93873		07/13/05	mad
	Copper (Cu)	4.8	B	1.2	25.0	1	ug/L	93912		07/14/05	mad
	Copper (Cu), Diss.	1.2	U	1.2	25.0	1	ug/L	93873		07/13/05	mad
	Iron (Fe)	11800		7.7	100	1	ug/L	93912		07/14/05	mad
	Iron (Fe), Diss.	9.6	B	7.7	100	1	ug/L	93873		07/13/05	mad
	Lead (Pb)	8.3		1.9	5.0	1	ug/L	93912		07/14/05	mad
	Lead (Pb), Diss.	1.9	U	1.9	5.0	1	ug/L	93873		07/13/05	mad
	Magnesium (Mg)	28300		16.6	5000	1	ug/L	93912		07/14/05	mad
	Magnesium (Mg), Diss.	28400		16.6	5000	1	ug/L	93873		07/13/05	mad
	Manganese (Mn)	2230		2.1	10.0	1	ug/L	93912		07/14/05	mad
	Manganese (Mn), Diss.	3.4	B	2.1	10.0	1	ug/L	93873		07/13/05	mad
	Nickel (Ni)	3.1	B	2.3	40.0	1	ug/L	93912		07/14/05	mad
	Nickel (Ni), Diss.	2.3	U	2.3	40.0	1	ug/L	93873		07/13/05	mad
	Potassium (K)	8680		142	5000	1	ug/L	94100		07/15/05	mad
	Potassium (K), Diss.	8820	E	38.6	5000	1	ug/L	93873		07/13/05	mad
	Selenium (Se)	3.9	U	3.9	10.0	1	ug/L	93912		07/14/05	mad
	Selenium (Se), Diss.	3.9	U	3.9	10.0	1	ug/L	93873		07/13/05	mad
	Silver (Ag)	2.1	B	1.1	10.0	1	ug/L	93912		07/14/05	mad
	Silver (Ag), Diss.	1.3	B	1.1	10.0	1	ug/L	93873		07/13/05	mad
	Sodium (Na)	20800		10.6	5000	1	ug/L	93912		07/14/05	mad
	Sodium (Na), Diss.	20400		10.6	5000	1	ug/L	93873		07/13/05	mad
	Thallium (Tl)	2.9	U	2.9	10.0	1	ug/L	93912		07/14/05	mad
	Thallium (Tl), Diss.	2.9	U	2.9	10.0	1	ug/L	93873		07/13/05	mad
	Vanadium (V)	2.0	U	2.0	50.0	1	ug/L	93912		07/14/05	mad
	Vanadium (V), Diss.	2.0	U	2.0	50.0	1	ug/L	93873		07/13/05	mad
	Zinc (Zn)	98.8		2.5	20.0	1	ug/L	93912		07/14/05	mad
	Zinc (Zn), Diss.	4.9	B	2.5	20.0	1	ug/L	93873		07/13/05	mad

27 of 62

27 of 62

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 249300

Date: 07/21/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW-207SA
Date Sampled.....: 06/22/2005
Time Sampled.....: 13:31
Sample Matrix.....: Water

Laboratory Sample ID: 249300-5
Date Received.....: 06/22/2005
Time Received.....: 14:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	BATCH	DT	DATE	TECH
EPA 245.1	Mercury (Hg)	0.16	U	0.16	0.20	1	ug/L	93040		06/28/05	lms
EPA 245.1	Mercury (Hg), Diss.	0.16	U	0.16	0.20	1	ug/L	93040		06/28/05	lms
EPA 200.7	Hardness by calculation										
	Hardness, Total as CaCO3	558			2.50	1	mg/L	93930		07/14/05	mad
	Hardness, Total as CaCO3, Diss.	572			2.50	1	mg/L	93927		07/13/05	mad
EPA 200.7	Metals Analysis (ICP)										
	Aluminum (Al)	9190		10.4	200	1	ug/L	93912		07/14/05	mad
	Aluminum (Al), Diss.	10.4	U	10.4	200	1	ug/L	93873		07/13/05	mad
	Antimony (Sb)	2.5	U	2.5	60.0	1	ug/L	93912		07/14/05	mad
	Antimony (Sb), Diss.	2.5	U	2.5	60.0	1	ug/L	93873		07/13/05	mad
	Arsenic (As)	66.5		3.1	10.0	1	ug/L	93912		07/14/05	mad
	Arsenic (As), Diss.	53.4		3.1	10.0	1	ug/L	93873		07/13/05	mad
	Barium (Ba)	322		7.1	200	1	ug/L	93912		07/14/05	mad
	Barium (Ba), Diss.	251		7.1	200	1	ug/L	93873		07/13/05	mad
	Beryllium (Be)	0.40	U	0.40	5.0	1	ug/L	93912		07/14/05	mad
	Beryllium (Be), Diss.	0.40	U	0.40	5.0	1	ug/L	93873		07/13/05	mad
	Boron (B)	42.2	B	3.7	50.0	1	ug/L	93912		07/14/05	mad
	Boron (B), Diss.	31.9	B	3.7	50.0	1	ug/L	93873		07/13/05	mad
	Cadmium (Cd)	0.80	U	0.80	5.0	1	ug/L	93912		07/14/05	mad
	Cadmium (Cd), Diss.	0.80	U	0.80	5.0	1	ug/L	93873		07/13/05	mad
	Calcium (Ca)	163000		58.0	5000	1	ug/L	93912		07/14/05	mad
	Calcium (Ca), Diss.	172000		58.0	5000	1	ug/L	93873		07/13/05	mad
	Chromium (Cr)	14.4	U	0.90	10.0	1	ug/L	93912		07/14/05	mad
	Chromium (Cr), Diss.	0.90	U	0.90	10.0	1	ug/L	93873		07/13/05	mad
	Cobalt (Co)	10.6	B	1.9	50.0	1	ug/L	93912		07/14/05	mad

28 of 62

28 of 62

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 249300

Date: 07/21/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW-207SA
Date Sampled.....: 06/22/2005
Time Sampled.....: 13:31
Sample Matrix.....: Water

Laboratory Sample ID: 249300-5
Date Received.....: 06/22/2005
Time Received.....: 14:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	IDL	RL	DILUTION	UNITS	BATCH	DT	DATE	TECH
	Cobalt (Co), Diss.	4.4	B		1.9	50.0	1	ug/L	93873		07/13/05	mad
	Copper (Cu)	51.4			1.2	25.0	1	ug/L	93912		07/14/05	mad
	Copper (Cu), Diss.	1.2	U		1.2	25.0	1	ug/L	93873		07/13/05	mad
	Iron (Fe)	35900			7.7	100	1	ug/L	93912		07/14/05	mad
	Iron (Fe), Diss.	22300			7.7	100	1	ug/L	93873		07/13/05	mad
	Lead (Pb)	19.5			1.9	5.0	1	ug/L	93912		07/14/05	mad
	Lead (Pb), Diss.	3.3	B	N	1.9	5.0	1	ug/L	93873		07/13/05	mad
	Magnesium (Mg)	36400			16.6	5000	1	ug/L	93912		07/14/05	mad
	Magnesium (Mg), Diss.	34400			16.6	5000	1	ug/L	93873		07/13/05	mad
	Manganese (Mn)	1390			2.1	10.0	1	ug/L	93912		07/14/05	mad
	Manganese (Mn), Diss.	1330			2.1	10.0	1	ug/L	93873		07/13/05	mad
	Nickel (Ni)	14.7	B		2.3	40.0	1	ug/L	93912		07/14/05	mad
	Nickel (Ni), Diss.	2.3	U		2.3	40.0	1	ug/L	93873		07/13/05	mad
	Potassium (K)	6160			142	5000	1	ug/L	94100		07/15/05	mad
	Potassium (K), Diss.	3210	B	E	38.6	5000	1	ug/L	93873		07/13/05	mad
	Selenium (Se)	3.9	U	N	3.9	10.0	1	ug/L	93912		07/14/05	mad
	Selenium (Se), Diss.	3.9	U	N	3.9	10.0	1	ug/L	93873		07/13/05	mad
	Silver (Ag)	1.9	B	N	1.1	10.0	1	ug/L	93912		07/14/05	mad
	Silver (Ag), Diss.	1.4	B	N	1.1	10.0	1	ug/L	93873		07/13/05	mad
	Sodium (Na)	9990			10.6	5000	1	ug/L	93912		07/14/05	mad
	Sodium (Na), Diss.	9360			10.6	5000	1	ug/L	93873		07/13/05	mad
	Thallium (Tl)	2.9	U	N	2.9	10.0	1	ug/L	93912		07/14/05	mad
	Thallium (Tl), Diss.	4.0	B		2.9	10.0	1	ug/L	93873		07/13/05	mad
	Vanadium (V)	17.6	B		2.0	50.0	1	ug/L	93912		07/14/05	mad
	Vanadium (V), Diss.	2.0	U		2.0	50.0	1	ug/L	93873		07/13/05	mad
	Zinc (Zn)	109			2.5	20.0	1	ug/L	93912		07/14/05	mad
	Zinc (Zn), Diss.	5.1	B		2.5	20.0	1	ug/L	93873		07/13/05	mad

29 of 62

* In Description = Dry Wgt.

LABORATORY TEST RESULTS											
Job Number: 249300		Date: 07/21/2005									
CUSTOMER: C&S Engineers		PROJECT: OCLF, GOSHEN, NEW YORK									
ATTN: Christen Craig											
Laboratory Sample ID: 249300-9 Date Received: 06/22/2005 Time Received: 14:50											
Customer Sample ID: MW-221S Date Sampled: 06/22/2005 Time Sampled: 12:39 Sample Matrix: Water											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	BATCH	DT	DATE	TECH
EPA 245.1	Mercury (Hg)	0.16	U	0.16	0.20	1	ug/L	93040		06/28/05	lms
EPA 245.1	Mercury (Hg), OIss.	0.16	U	0.16	0.20	1	ug/L	93040		06/28/05	lms
EPA 200.7	Hardness by calculation Hardness, Total as CaCO3 Hardness, Total as CaCO3, Diss.	591 541			2.50 2.50	1 1	mg/L mg/L	93930 93927		07/14/05 07/13/05	med med
EPA 200.7	Metals Analysis (ICP)										
	Aluminum (Al)	1720		10.4	200	1	ug/L	93912		07/14/05	med
	Aluminum (Al), Diss.	10.4	U	10.4	200	1	ug/L	93873		07/13/05	med
	Antimony (Sb)	2.5	U	2.5	60.0	1	ug/L	93912		07/14/05	med
	Antimony (Sb), Diss.	2.5	U	2.5	60.0	1	ug/L	93873		07/13/05	med
	Arsenic (As)	6.2	B	3.1	10.0	1	ug/L	93912		07/14/05	med
	Arsenic (As), Diss.	4.0	B	3.1	10.0	1	ug/L	93873		07/13/05	med
	Barium (Ba)	285		7.1	200	1	ug/L	93912		07/14/05	med
	Barium (Ba), Diss.	221		7.1	200	1	ug/L	93873		07/13/05	med
	Beryllium (Be)	0.40	U	0.40	5.0	1	ug/L	93912		07/14/05	med
	Beryllium (Be), Diss.	0.40	U	0.40	5.0	1	ug/L	93873		07/13/05	med
	Boron (B)	39.7	B	3.7	50.0	1	ug/L	93912		07/14/05	med
	Boron (B), Diss.	28.6	B	3.7	50.0	1	ug/L	93873		07/13/05	med
	Cadmium (Cd)	0.80	U	0.80	5.0	1	ug/L	93912		07/14/05	med
	Cadmium (Cd), Diss.	0.80	U	0.80	5.0	1	ug/L	93873		07/13/05	med
	Calcium (Ca)	205000		58.0	5000	1	ug/L	93912		07/14/05	med
	Calcium (Ca), Diss.	189000		58.0	5000	1	ug/L	93873		07/13/05	med
	Chromium (Cr)	3.0	B	0.90	10.0	1	ug/L	93912		07/14/05	med
	Chromium (Cr), Diss.	1.2	B	0.90	10.0	1	ug/L	93873		07/13/05	med
	Cobalt (Co)	2.1	B	1.9	50.0	1	ug/L	93912		07/14/05	med

36 of 62

36 of 62

* In Description = Dry Wgt.

Job Number: 249300

LABORATORY TEST RESULTS

Date: 07/21/2005

CUSTOMER: CAS Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW-221S
Date Sampled.....: 06/22/2005
Time Sampled.....: 12:39
Sample Matrix.....: Water

Laboratory Sample ID: 249300-9
Date Received.....: 06/22/2005
Time Received.....: 14:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAG	IDL	RL	DILUTION	UNITS	BATCH	DT	DATE	TECH
37 of 62	Cobalt (Co), Diss.	1.9	U	1.9	50.0	1	ug/L	93873		07/13/05	mad
	Copper (Cu)	6.8	B	1.2	25.0	1	ug/L	93912		07/14/05	mad
	Copper (Cu), Diss.	1.2	U	1.2	25.0	1	ug/L	93873		07/13/05	mad
	Iron (Fe)	2900		7.7	100	1	ug/L	93912		07/14/05	mad
	Iron (Fe), Diss.	7.7	U	7.7	100	1	ug/L	93873		07/13/05	mad
	Lead (Pb)	8.8		1.9	5.0	1	ug/L	93912		07/14/05	mad
	Lead (Pb), Diss.	4.3	B	1.9	5.0	1	ug/L	93873		07/13/05	mad
	Magnesium (Mg)	19500		16.6	5000	1	ug/L	93912		07/14/05	mad
	Magnesium (Mg), Diss.	16500		16.6	5000	1	ug/L	93873		07/13/05	mad
	Manganese (Mn)	451		2.1	10.0	1	ug/L	93912		07/14/05	mad
	Manganese (Mn), Diss.	126		2.1	10.0	1	ug/L	93873		07/13/05	mad
	Nickel (Ni)	2.7	B	2.3	40.0	1	ug/L	93912		07/14/05	mad
	Nickel (Ni), Diss.	2.3	U	2.3	40.0	1	ug/L	93873		07/13/05	mad
	Potassium (K)	3940	B	142	5000	1	ug/L	94100		07/15/05	mad
	Potassium (K), Diss.	2990	B	38.6	5000	1	ug/L	93873		07/13/05	mad
	Selenium (Se)	3.9	U	3.9	10.0	1	ug/L	93912		07/14/05	mad
	Selenium (Se), Diss.	3.9	U	3.9	10.0	1	ug/L	93873		07/13/05	mad
	Silver (Ag)	2.7	B	1.1	10.0	1	ug/L	93912		07/14/05	mad
	Silver (Ag), Diss.	2.2	B	1.1	10.0	1	ug/L	93873		07/13/05	mad
	Sodium (Na)	14400		10.6	5000	1	ug/L	93912		07/14/05	mad
	Sodium (Na), Diss.	10900		10.6	5000	1	ug/L	93873		07/13/05	mad
	Thallium (Tl)	2.9	U	2.9	10.0	1	ug/L	93912		07/14/05	mad
	Thallium (Tl), Diss.	4.2	B	2.9	10.0	1	ug/L	93873		07/13/05	mad
	Vanadium (V)	3.1	B	2.0	50.0	1	ug/L	93912		07/14/05	mad
	Vanadium (V), Diss.	2.0	U	2.0	50.0	1	ug/L	93873		07/13/05	mad
	Zinc (Zn)	27.9		2.5	20.0	1	ug/L	93912		07/14/05	mad
	Zinc (Zn), Diss.	10.9	B	2.5	20.0	1	ug/L	93873		07/13/05	mad

* In Description = Dry Wgt.

LABORATORY TEST RESULTS											
Job Number: 249300						Date: 07/21/2005					
CUSTOMER: C&S Engineers						ATTN: Christen Craig					
PROJECT: OCLF, GOSHEN, NEW YORK											
Customer Sample ID: MW-223S						Laboratory Sample ID: 249300-6					
Date Sampled.....: 06/22/2005						Date Received.....: 06/22/2005					
Time Sampled.....: 11:02						Time Received.....: 14:50					
Sample Matrix.....: Water											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	BATCH	DT	DATE	TECH
EPA 245.1	Mercury (Hg)	0.16	U	0.16	0.20	1	ug/L	93040		06/28/05	lms
EPA 245.1	Mercury (Hg), Diss.	0.16	U	0.16	0.20	1	ug/L	93040		06/28/05	lms
EPA 200.7	Hardness by calculation										
	Hardness, Total as CaCO3	295			2.50	1	mg/L	93930		07/14/05	mad
	Hardness, Total as CaCO3, Diss.	248			2.50	1	mg/L	93927		07/13/05	mad
EPA 200.7	Metals Analysis (ICP)										
	Aluminum (Al)	69.6	B	10.4	200	1	ug/L	93912		07/14/05	mad
	Aluminum (Al), Diss.	10.4	U	10.4	200	1	ug/L	93873		07/13/05	mad
	Antimony (Sb)	2.5	U	2.5	60.0	1	ug/L	93912		07/14/05	mad
	Antimony (Sb), Diss.	2.5	U	2.5	60.0	1	ug/L	93873		07/13/05	mad
	Arsenic (As)	3.1	U	3.1	10.0	1	ug/L	93912		07/14/05	mad
	Arsenic (As), Diss.	5.4	B	3.1	10.0	1	ug/L	93873		07/13/05	mad
	Barium (Ba)	134	B	7.1	200	1	ug/L	93912		07/14/05	mad
	Barium (Ba), Diss.	120	B	7.1	200	1	ug/L	93873		07/13/05	mad
	Beryllium (Be)	0.40	U	0.40	5.0	1	ug/L	93912		07/14/05	mad
	Beryllium (Be), Diss.	0.40	U	0.40	5.0	1	ug/L	93873		07/13/05	mad
	Boron (B)	25.5	B	3.7	50.0	1	ug/L	93912		07/14/05	mad
	Boron (B), Diss.	19.4	B	3.7	50.0	1	ug/L	93873		07/13/05	mad
	Cadmium (Cd)	0.80	U	0.80	5.0	1	ug/L	93912		07/14/05	mad
	Cadmium (Cd), Diss.	0.80	U	0.80	5.0	1	ug/L	93873		07/13/05	mad
	Calcium (Ca)	113000	U	58.0	5000	1	ug/L	93912		07/14/05	mad
	Calcium (Ca), Diss.	99300	U	58.0	5000	1	ug/L	93873		07/13/05	mad
	Chromium (Cr)	2.9	B	0.90	10.0	1	ug/L	93912		07/14/05	mad
	Chromium (Cr), Diss.	1.8	B	0.90	10.0	1	ug/L	93873		07/13/05	mad
	Cobalt (Co)	1.9	U	1.9	50.0	1	ug/L	93912		07/14/05	mad

30 of 62

30 of 62

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 249300

Date: 07/21/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW-223S
Date Sampled: 06/22/2005
Time Sampled: 11:02
Sample Matrix: Water

Laboratory Sample ID: 249300-6
Date Received: 06/22/2005
Time Received: 14:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	IDL	RL	DILUTION	UNITS	BATCH	DT	DATE	TECH
	Cobalt (Co), Diss.	1.9	U		1.9	50.0	1	ug/L	93873		07/13/05	mad
	Copper (Cu)	2.7	B		1.2	25.0	1	ug/L	93912		07/14/05	mad
	Copper (Cu), Diss.	1.2	U		1.2	25.0	1	ug/L	93873		07/13/05	mad
	Iron (Fe)	1490			7.7	100	1	ug/L	93912		07/14/05	mad
	Iron (Fe), Diss.	12.0	B		7.7	100	1	ug/L	93873		07/13/05	mad
	Lead (Pb)	2.4	B		1.9	5.0	1	ug/L	93912		07/14/05	mad
	Lead (Pb), Diss.	1.9	U	N	1.9	5.0	1	ug/L	93873		07/13/05	mad
	Magnesium (Mg)	3270	B		16.6	5000	1	ug/L	93912		07/14/05	mad
	Magnesium (Mg), Diss.	279	B		16.6	5000	1	ug/L	93873		07/13/05	mad
	Manganese (Mn)	92.8			2.1	10.0	1	ug/L	93912		07/14/05	mad
	Manganese (Mn), Diss.	2.1	U		2.1	10.0	1	ug/L	93873		07/13/05	mad
	Nickel (Ni)	2.3	U		2.3	40.0	1	ug/L	93912		07/14/05	mad
	Nickel (Ni), Diss.	2.3	U		2.3	40.0	1	ug/L	93873		07/13/05	mad
	Potassium (K)	2440	B		142	5000	1	ug/L	94100		07/15/05	mad
	Potassium (K), Diss.	2330	B	E	38.6	5000	1	ug/L	93873		07/13/05	mad
	Selenium (Se)	3.9	U	N	3.9	10.0	1	ug/L	93912		07/14/05	mad
	Selenium (Se), Diss.	3.9	U	N	3.9	10.0	1	ug/L	93873		07/13/05	mad
	Silver (Ag)	2.4	B		1.1	10.0	1	ug/L	93912		07/14/05	mad
	Silver (Ag), Diss.	1.1	U	N	1.1	10.0	1	ug/L	93873		07/13/05	mad
	Sodium (Na)	12500			10.6	5000	1	ug/L	93912		07/14/05	mad
	Sodium (Na), Diss.	11600			10.6	5000	1	ug/L	93873		07/13/05	mad
	Thallium (Tl)	2.9	U	N	2.9	10.0	1	ug/L	93912		07/14/05	mad
	Thallium (Tl), Diss.	2.9	U		2.9	10.0	1	ug/L	93873		07/13/05	mad
	Vanadium (V)	2.0	U		2.0	50.0	1	ug/L	93912		07/14/05	mad
	Vanadium (V), Diss.	2.0	U		2.0	50.0	1	ug/L	93873		07/13/05	mad
	Zinc (Zn)	18.6	B		2.5	20.0	1	ug/L	93912		07/14/05	mad
	Zinc (Zn), Diss.	2.5	U		2.5	20.0	1	ug/L	93873		07/13/05	mad

31 of 62

* In Description = Dry Wgt.

LABORATORY TEST RESULTS												
Job Number: 249300		Date:07/21/2005										
CUSTOMER: C&S Engineers		PROJECT: OCLF, GOSHEN, NEW YORK				ATTN: Christen Craig						
Customer Sample ID: MW-2230 Date Sampled.....: 06/22/2005 Time Sampled.....: 11:31 Sample Matrix.....: Water		Laboratory Sample ID: 249300-7 Date Received.....: 06/22/2005 Time Received.....: 14:50										
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	IDL	RL	DILUTION	UNITS	BATCH	DT	DATE	TECH
EPA 245.1	Mercury (Hg)	0.16	U		0.16	0.20	1	ug/L	93040		06/28/05	lms
EPA 245.1	Mercury (Hg), Diss.	0.16	U	N	0.16	0.20	1	ug/L	93040		06/28/05	lms
EPA 200.7	Hardness by calculation Hardness, Total as CaCO3 Hardness, Total as CaCO3, Diss.	109 75.7				2.50 2.50	1 1	mg/L mg/L	93930 93927		07/14/05 07/13/05	mad mad
EPA 200.7	Metals Analysis (ICP)											
	Aluminum (Al)	79.3	B		10.4	200	1	ug/L	93912		07/14/05	mad
	Aluminum (Al), Diss.	10.4	U		10.4	200	1	ug/L	93873		07/13/05	mad
	Antimony (Sb)	2.5	U	N	2.5	60.0	1	ug/L	93912		07/14/05	mad
	Antimony (Sb), Diss.	2.5	U		2.5	60.0	1	ug/L	93873		07/13/05	mad
	Arsenic (As)	3.1	B	N	3.1	10.0	1	ug/L	93912		07/14/05	mad
	Arsenic (As), Diss.	3.1	U		3.1	10.0	1	ug/L	93873		07/13/05	mad
	Barium (Ba)	93.3	B		7.1	200	1	ug/L	93912		07/14/05	mad
	Barium (Ba), Diss.	80.2	B		7.1	200	1	ug/L	93873		07/13/05	mad
	Beryllium (Be)	0.40	U		0.40	5.0	1	ug/L	93912		07/14/05	mad
	Beryllium (Be), Diss.	0.40	U		0.40	5.0	1	ug/L	93873		07/13/05	mad
	Boron (B)	20.3	B	E	3.7	50.0	1	ug/L	93912		07/14/05	mad
	Boron (B), Diss.	15.4	B	E	3.7	50.0	1	ug/L	93873		07/13/05	mad
	Cadmium (Cd)	0.80	U	N	0.80	5.0	1	ug/L	93912		07/14/05	mad
	Cadmium (Cd), Diss.	0.80	U		0.80	5.0	1	ug/L	93873		07/13/05	mad
	Calcium (Ca)	38500	U		58.0	5000	1	ug/L	93912		07/14/05	mad
	Calcium (Ca), Diss.	27900			58.0	5000	1	ug/L	93873		07/13/05	mad
	Chromium (Cr)	1.5	B		0.90	10.0	1	ug/L	93912		07/14/05	mad
	Chromium (Cr), Diss.	1.2	B		0.90	10.0	1	ug/L	93873		07/13/05	mad
	Cobalt (Co)	1.9	U		1.9	50.0	1	ug/L	93912		07/14/05	mad

32 of 62

32 of 62

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 249300

Date: 07/21/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW-2230
Date Sampled: 06/22/2005
Time Sampled: 11:31
Sample Matrix: Water

Laboratory Sample ID: 249300-7
Date Received: 06/22/2005
Time Received: 14:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	BATCH	DT	DATE	TECH
	Cobalt (Co), Diss.	1.9	U	1.9	50.0	1	ug/L	93873		07/13/05	mad
	Copper (Cu)	3.8	B	1.2	25.0	1	ug/L	93912		07/14/05	mad
	Copper (Cu), Diss.	1.2	U	1.2	25.0	1	ug/L	93873		07/13/05	mad
	Iron (Fe)	684		7.7	100	1	ug/L	93912		07/14/05	mad
	Iron (Fe), Diss.	27.3	B	7.7	100	1	ug/L	93873		07/13/05	mad
	Lead (Pb)	2.5	B	1.9	5.0	1	ug/L	93912		07/14/05	mad
	Lead (Pb), Diss.	1.9	U	1.9	5.0	1	ug/L	93873		07/13/05	mad
	Magnesium (Mg)	3200	B	16.6	5000	1	ug/L	93912		07/14/05	mad
	Magnesium (Mg), Diss.	1480	B	16.6	5000	1	ug/L	93873		07/13/05	mad
	Manganese (Mn)	61.1		2.1	10.0	1	ug/L	93912		07/14/05	mad
	Manganese (Mn), Diss.	2.1	U	2.1	10.0	1	ug/L	93873		07/13/05	mad
	Nickel (Ni)	4.6	B	2.3	40.0	1	ug/L	93912		07/14/05	mad
	Nickel (Ni), Diss.	3.8	B	2.3	40.0	1	ug/L	93873		07/13/05	mad
	Potassium (K)	3420	B	142	5000	1	ug/L	94100		07/15/05	mad
	Potassium (K), Diss.	3360	B	38.6	5000	1	ug/L	93873		07/13/05	mad
	Selenium (Se)	3.9	U	3.9	10.0	1	ug/L	93912		07/14/05	mad
	Selenium (Se), Diss.	3.9	U	3.9	10.0	1	ug/L	93873		07/13/05	mad
	Silver (Ag)	2.3	B	1.1	10.0	1	ug/L	93912		07/14/05	mad
	Silver (Ag), Diss.	1.1	U	1.1	10.0	1	ug/L	93873		07/13/05	mad
	Sodium (Na)	14600		10.6	5000	1	ug/L	93912		07/14/05	mad
	Sodium (Na), Diss.	14500		10.6	5000	1	ug/L	93873		07/13/05	mad
	Thallium (Tl)	2.9	U	2.9	10.0	1	ug/L	93912		07/14/05	mad
	Thallium (Tl), Diss.	2.9	U	2.9	10.0	1	ug/L	93873		07/13/05	mad
	Vanadium (V)	2.0	U	2.0	50.0	1	ug/L	93912		07/14/05	mad
	Vanadium (V), Diss.	2.0	U	2.0	50.0	1	ug/L	93873		07/13/05	mad
	Zinc (Zn)	23.3		2.5	20.0	1	ug/L	93912		07/14/05	mad
	Zinc (Zn), Diss.	4.5	B	2.5	20.0	1	ug/L	93873		07/13/05	mad

33 of 62

* In Description = Dry Wgt.

LABORATORY TEST RESULTS											
Job Number: 249300				Date: 07/21/2005							
CUSTOMER: C&S Engineers				PROJECT: OCLF, GOSHEN, NEW YORK				ATTN: Christen Craig			
Customer Sample ID: MW-221D Date Sampled.....: 06/22/2005 Time Sampled.....: 12:20 Sample Matrix.....: Water				Laboratory Sample ID: 249300-8 Date Received.....: 06/22/2005 Time Received.....: 14:50							
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAG	IDL	RL	DILUTION	UNITS	BATCH	DT	DATE	TECH
EPA 245.1	Mercury (Hg)	0.16	U	0.16	0.20	1	ug/L	93040		06/28/05	lms
EPA 245.1	Mercury (Hg), Diss.	0.16	U	0.16	0.20	1	ug/L	93040		06/28/05	lms
EPA 200.7	Hardness by calculation Hardness, Total as CaCO3 Hardness, Total as CaCO3, Diss.	193 181			2.50 2.50	1 1	mg/L mg/L	93930 93927		07/14/05 07/13/05	mad mad
EPA 200.7	Metals Analysis (ICP)										
	Aluminum (Al)	177	B	10.4	200	1	ug/L	93912		07/14/05	mad
	Aluminum (Al), Diss.	10.4	U	10.4	200	1	ug/L	93873		07/13/05	mad
	Antimony (Sb)	2.5	U	2.5	60.0	1	ug/L	93912		07/14/05	mad
	Antimony (Sb), Diss.	2.5	U	2.5	60.0	1	ug/L	93873		07/13/05	mad
	Arsenic (As)	3.1	U	3.1	10.0	1	ug/L	93912		07/14/05	mad
	Arsenic (As), Diss.	3.1	U	3.1	10.0	1	ug/L	93873		07/13/05	mad
	Barium (Ba)	61.3	B	7.1	200	1	ug/L	93912		07/14/05	mad
	Barium (Ba), Diss.	55.5	B	7.1	200	1	ug/L	93873		07/13/05	mad
	Beryllium (Be)	0.40	U	0.40	5.0	1	ug/L	93912		07/14/05	mad
	Beryllium (Be), Diss.	0.40	U	0.40	5.0	1	ug/L	93873		07/13/05	mad
	Boron (B)	38.1	B	3.7	50.0	1	ug/L	93912		07/14/05	mad
	Boron (B), Diss.	33.0	B	3.7	50.0	1	ug/L	93873		07/13/05	mad
	Cadmium (Cd)	0.80	U	0.80	5.0	1	ug/L	93912		07/14/05	mad
	Cadmium (Cd), Diss.	0.80	U	0.80	5.0	1	ug/L	93873		07/13/05	mad
	Calcium (Ca)	46400	B	58.0	5000	1	ug/L	93912		07/14/05	mad
	Calcium (Ca), Diss.	42900	B	58.0	5000	1	ug/L	93873		07/13/05	mad
	Chromium (Cr)	1.7	B	0.90	10.0	1	ug/L	93912		07/14/05	mad
	Chromium (Cr), Diss.	1.8	B	0.90	10.0	1	ug/L	93873		07/13/05	mad
	Cobalt (Co)	1.9	U	1.9	50.0	1	ug/L	93912		07/14/05	mad

34 of 62

* In Description = Dry Wgt.

Job Number: 249300

LABORATORY TEST RESULTS

Date: 07/21/2005

Customer: C&S Engineers

PROJECT: OELF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW-221D
 Date Sampled.....: 06/22/2005
 Time Sampled.....: 12:20
 Sample Matrix.....: Water

Laboratory Sample ID: 249300-8
 Date Received.....: 06/22/2005
 Time Received.....: 14:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	IDL	RL	DILUTION	UNITS	BATCH	DT	DATE	TECH
	Cobalt (Co), Diss.	1.9	U		1.9	50.0	1	ug/L	93873		07/13/05	mad
	Copper (Cu)	2.5	B		1.2	25.0	1	ug/L	93912		07/14/05	mad
	Copper (Cu), Diss.	1.2	U		1.2	25.0	1	ug/L	93873		07/13/05	mad
	Iron (Fe)	470			7.7	100	1	ug/L	93912		07/14/05	mad
	Iron (Fe), Diss.	34.5	B		7.7	100	1	ug/L	93873		07/13/05	mad
	Lead (Pb)	4.0	B		1.9	5.0	1	ug/L	93912		07/14/05	mad
	Lead (Pb), Diss.	1.9	U	N	1.9	5.0	1	ug/L	93873		07/13/05	mad
	Magnesium (Mg)	18700			16.6	5000	1	ug/L	93912		07/14/05	mad
	Magnesium (Mg), Diss.	18000			16.6	5000	1	ug/L	93873		07/13/05	mad
	Manganese (Mn)	18.5			2.1	10.0	1	ug/L	93912		07/14/05	mad
	Manganese (Mn), Diss.	2.1	U		2.1	10.0	1	ug/L	93873		07/13/05	mad
	Nickel (Ni)	2.3	U		2.3	40.0	1	ug/L	93912		07/14/05	mad
	Nickel (Ni), Diss.	2.3	U		2.3	40.0	1	ug/L	93873		07/13/05	mad
	Potassium (K)	3030	B		142	5000	1	ug/L	94100		07/15/05	mad
	Potassium (K), Diss.	2900	B	E	38.6	5000	1	ug/L	93873		07/13/05	mad
	Selenium (Se)	3.9	U	N	3.9	10.0	1	ug/L	93912		07/14/05	mad
	Selenium (Se), Diss.	3.9	U	N	3.9	10.0	1	ug/L	93873		07/13/05	mad
	Silver (Ag)	1.8	B	N	1.1	10.0	1	ug/L	93912		07/14/05	mad
	Silver (Ag), Diss.	1.1	U	N	1.1	10.0	1	ug/L	93873		07/13/05	mad
	Sodium (Na)	14500			10.6	5000	1	ug/L	93912		07/14/05	mad
	Sodium (Na), Diss.	13700			10.6	5000	1	ug/L	93873		07/13/05	mad
	Thallium (Tl)	2.9	U	N	2.9	10.0	1	ug/L	93912		07/14/05	mad
	Thallium (Tl), Diss.	2.9	U		2.9	10.0	1	ug/L	93873		07/13/05	mad
	Vanadium (V)	2.0	U		2.0	50.0	1	ug/L	93912		07/14/05	mad
	Vanadium (V), Diss.	2.0	U		2.0	50.0	1	ug/L	93873		07/13/05	mad
	Zinc (Zn)	12.6	B		2.5	20.0	1	ug/L	93912		07/14/05	mad
	Zinc (Zn), Diss.	5.3	B		2.5	20.0	1	ug/L	93873		07/13/05	mad

35 of 62

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 249300

Date: 07/21/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW-3030
Date Sampled.....: 06/22/2005
Time Sampled.....: 12:06
Sample Matrix.....: Water

Laboratory Sample ID: 249300-1
Date Received.....: 06/22/2005
Time Received.....: 14:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.1	Solids, Total Dissolved (TDS)	720			5.0	mg/L	06/28/05	lms
SM18 2120B	Color	15			2.5	Pt/Co	06/23/05	mwr
SM18 2320B	Alkalinity, Total as CaCO3	214			5.00	mg/L	07/01/05	rnc
SM18 3500CrD	Hexavalent Chromium	0.010	U	N	0.010	mg/L	06/22/05	jpp
SM18 4500Cl	Chloride	180			50	mg/L	07/12/05	vvm
SM18 4500CNE	Cyanide, Total	0.0100	U		0.0100	mg/L	06/28/05	bg
SM18 4500NH3E	Ammonia (NH3), as N	1.00	U		1.00	mg/L	07/15/05	rnc
SM18 5210B	Biochemical Oxygen Demand (BOD5)	4.00	U		4.00	mg/L	06/23/05	rnc
HACH 8000	Chemical Oxygen Demand (COD)	20.5		*	10.0	mg/L	06/23/05	bg
LAC 11107041A	Nitrate + Nitrite as N	0.370			0.200	mg/L	06/23/05	jpp
LAC 10210001A	Phenolics, Total Recoverable	0.0100	U		0.0100	mg/L	06/29/05	jpp
LAC 10107062D	Nitrogen, Total Kjeldahl as N (TKN)	1.00	U		1.00	mg/L	07/07/05	mwr
EPA 300.0	Ion Chromatography Analysis Bromide	2.65		N	1.00	mg/L	06/23/05	bg
	Sulfate	127			25.0	mg/L	06/23/05	bg
SM18 5310C	Total Organic Carbon (TOC) Organic Carbon, Total (TOC)	1.74			1.00	mg/L	07/01/05	mad

* In Description = Dry Wgt.

Page 2
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38 of 62



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Job Number: 249300

LABORATORY TEST RESULTS

Date: 07/21/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YOR

ATTN: Christen Craig

Customer Sample ID: MW-303S
 Date Sampled.....: 06/22/2005
 Time Sampled.....: 12:41
 Sample Matrix.....: Water

Laboratory Sample ID: 249300-2
 Date Received.....: 06/22/2005
 Time Received.....: 14:50

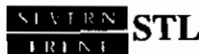
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.1	Solids, Total Dissolved (TDS)	516			5.0	mg/L	06/28/05	lms
SM18 2120B	Color	40			2.5	Pt/Co	06/23/05	mwr
SM18 2320B	Alkalinity, Total as CaCO ₃	476			5.00	mg/L	07/01/05	rnc
SM18 3500CrD	Hexavalent Chromium	0.010	U	N	0.010	mg/L	06/22/05	jpp
SM18 4500Cl	Chloride	7.7			5.0	mg/L	07/12/05	vvm
SM18 4500CNE	Cyanide, Total	0.0100	U		0.0100	mg/L	06/28/05	bg
SM18 4500NH3E	Ammonia (NH ₃), as N	1.00	U		1.00	mg/L	07/15/05	rnc
SM18 5210B	Biochemical Oxygen Demand (BOD ₅)	14.2			4.00	mg/L	06/23/05	rnc
HACH 8000	Chemical Oxygen Demand (COD)	35.3		*	10.0	mg/L	06/23/05	bg
LAC 11107041A	Nitrate + Nitrite as N	0.680			0.200	mg/L	06/23/05	jpp
LAC 10210001A	Phenolics, Total Recoverable	0.0100	U		0.0100	mg/L	06/29/05	jpp
LAC 10107062D	Nitrogen, Total Kjeldahl as N (TKN)	1.32			1.00	mg/L	07/07/05	mwr
EPA 300.0	Ion Chromatography Analysis							
	Bromide	1.00	U	N	1.00	mg/L	06/23/05	bg
	Sulfate	5.00	U		5.00	mg/L	06/23/05	bg
SM18 5310C	Total Organic Carbon (TOC)	4.42			1.00	mg/L	07/01/05	mad
	Organic Carbon, Total (TOC)							

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Page 3

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39 of 62



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 Fax (845) 562-0841

LABORATORY TEST RESULTS

Job Number: 249300

Date: 07/21/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW-207D
Date Sampled.....: 06/22/2005
Time Sampled.....: 13:14
Sample Matrix.....: Water

Laboratory Sample ID: 249300-3
Date Received.....: 06/22/2005
Time Received.....: 14:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.1	Solids, Total Dissolved (TDS)	540			5.0	mg/L	06/28/05	lms
SM18 2120B	Color	80			5.0	Pt/Co	06/23/05	mwr
SM18 2320B	Alkalinity, Total as CaCO3	284			5.00	mg/L	07/01/05	rnc
SM18 3500CrO	Hexavalent Chromium	0.010	U	N	0.010	mg/L	06/22/05	jpp
SM18 4500Cl	Chloride	18			5.0	mg/L	07/12/05	vvm
SM18 4500CNE	Cyanide, Total	0.0100	U		0.0100	mg/L	06/28/05	bg
SM18 4500NH3E	Ammonia (NH3), as N	1.00	U		1.00	mg/L	07/15/05	rnc
SM18 5210B	Biochemical Oxygen Demand (BOD5)	4.00	U		4.00	mg/L	06/23/05	rnc
HACH 8000	Chemical Oxygen Demand (COD)	20.4		*	10.0	mg/L	06/23/05	bg
LAC 11107041A	Nitrate + Nitrite as N	1.19			0.200	mg/L	06/23/05	jpp
LAC 10210001A	Phenolics, Total Recoverable	0.0100	U		0.0100	mg/L	06/29/05	jpp
LAC 10107062D	Nitrogen, Total Kjeldahl as N (TKN)	1.00	U		1.00	mg/L	07/07/05	mwr
EPA 300.0	Ion Chromatography Analysis							
	Bromide	1.00	U	N	1.00	mg/L	06/23/05	bg
	Sulfate	110			25.0	mg/L	06/23/05	bg
SM18 5310C	Total Organic Carbon (TOC)	6.23			1.00	mg/L	07/01/05	mad
	Organic Carbon, Total (TOC)							

* In Description = Dry Wgt.

Page 4
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40 of 62



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Tel (845) 562-0890
Fax (845) 562-0841

LABORATORY TEST RESULTS

Job Number: 249300

Date: 07/21/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: DUP
Date Sampled.....: 06/22/2005
Time Sampled.....: 13:14
Sample Matrix.....: Water

Laboratory Sample ID: 249300-4
Date Received.....: 06/22/2005
Time Received.....: 14:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.1	Solids, Total Dissolved (TDS)	526			5.0	mg/L	06/28/05	lms
SM18 2120B	Color	40			2.5	Pt/Co	06/23/05	mwr
SM18 2320B	Alkalinity, Total as CaCO ₃	270			5.00	mg/L	07/01/05	rnc
SM18 3500CrD	Hexavalent Chromium	0.010	U	N	0.010	mg/L	06/22/05	jpp
SM18 4500Cl	Chloride	20			5.0	mg/L	07/12/05	vvm
SM18 4500CNE	Cyanide, Total	0.0100	U		0.0100	mg/L	06/28/05	bg
SM18 4500NH ₃ E	Ammonia (NH ₃), as N	1.00	U		1.00	mg/L	07/15/05	rnc
SM18 5210B	Biochemical Oxygen Demand (BOD ₅)	4.00	U		4.00	mg/L	06/23/05	rnc
HACH 8000	Chemical Oxygen Demand (COD)	26.4		*	10.0	mg/L	06/23/05	bg
LAC 11107041A	Nitrate + Nitrite as N	1.19			0.200	mg/L	06/23/05	jpp
LAC 10210001A	Phenolics, Total Recoverable	0.0200			0.0100	mg/L	06/29/05	jpp
LAC 10107062D	Nitrogen, Total Kjeldahl as N (TKN)	1.00	U		1.00	mg/L	07/07/05	mwr
EPA 300.0	Ion Chromatography Analysis							
	Bromide	1.00	U	N	1.00	mg/L	06/23/05	bg
	Sulfate	110			25.0	mg/L	06/23/05	bg
SM18 5310C	Total Organic Carbon (TOC)							
	Organic Carbon, Total (TOC)	6.67			1.00	mg/L	07/01/05	mad

* In Description = Dry Wgt.

Page 5

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41 of 62



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STL Newburgh
315 Fullerton Avenue
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Tel (845) 562-0890
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Job Number: 249300

LABORATORY TEST RESULTS

Date: 07/21/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW-207SA
 Date Sampled.....: 06/22/2005
 Time Sampled.....: 13:31
 Sample Matrix.....: Water

Laboratory Sample ID: 249300-5
 Date Received.....: 06/22/2005
 Time Received.....: 14:50

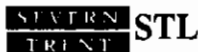
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.1	Solids, Total Dissolved (TDS)	630			5.0	mg/L	06/28/05	lms
SM18 2120B	Color	30			2.5	Pt/Co	06/23/05	mwr
SM18 2320B	Alkalinity, Total as CaCO ₃	541			5.00	mg/L	07/01/05	rmc
SM18 3500CrD	Hexavalent Chromium	0.010	U	N	0.010	mg/L	06/22/05	jpp
SM18 4500Cl	Chloride	16			5.0	mg/L	07/12/05	vvm
SM18 4500CNE	Cyanide, Total	0.0100	U		0.0100	mg/L	06/28/05	bg
SM18 4500NH ₃ E	Ammonia (NH ₃), as N	1.00	U		1.00	mg/L	07/15/05	rmc
SM18 5210B	Biochemical Oxygen Demand (BOD ₅)	4.00	U		4.00	mg/L	06/23/05	rmc
HACH 8000	Chemical Oxygen Demand (COD)	97.6		*	10.0	mg/L	06/23/05	bg
LAC 11107041A	Nitrate + Nitrite as N	0.390			0.200	mg/L	06/23/05	jpp
LAC 10210001A	Phenolics, Total Recoverable	0.0100	U		0.0100	mg/L	06/29/05	jpp
LAC 10107062D	Nitrogen, Total Kjeldahl as N (TKN)	1.00	U		1.00	mg/L	07/07/05	mwr
EPA 300.0	Ion Chromatography Analysis							
	Bromide	1.00	U	N	1.00	mg/L	06/23/05	bg
	Sulfate	24.9			5.00	mg/L	06/23/05	bg
SM18 5310C	Total Organic Carbon (TOC)							
	Organic Carbon, Total (TOC)	3.12			1.00	mg/L	07/01/05	mad

* In Description = Dry Wgt.

Page 6

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42 of 62



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STL Newburgh
 315 Fullerton Avenue
 Newburgh, NY 12550
 Tel (845) 562-0890
 Fax (845) 562-0841

LABORATORY TEST RESULTS

Job Number: 249300

Date: 07/21/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW-223S
Date Sampled.....: 06/22/2005
Time Sampled.....: 11:02
Sample Matrix.....: Water

Laboratory Sample ID: 249300-6
Date Received.....: 06/22/2005
Time Received.....: 14:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.1	Solids, Total Dissolved (TDS)	272			5.0	mg/L	06/28/05	lms
SM18 2120B	Color	15			2.5	Pt/Co	06/23/05	mwr
SM18 2320B	Alkalinity, Total as CaCO3	182			5.00	mg/L	07/01/05	rnc
SM18 3500CrD	Hexavalent Chromium	0.010	U	N	0.010	mg/L	06/22/05	jpp
SM18 4500Cl	Chloride	48			5.0	mg/L	07/12/05	vvm
SM18 4500CNE	Cyanide, Total	0.0100	U		0.0100	mg/L	06/28/05	bg
SM18 4500NH3E	Ammonia (NH3), as N	1.00	U		1.00	mg/L	07/15/05	rnc
SM18 5210B	Biochemical Oxygen Demand (BOD5)	4.00	U		4.00	mg/L	06/23/05	rnc
HACH 8000	Chemical Oxygen Demand (COD)	10.0	U	*	10.0	mg/L	06/23/05	bg
LAC 11107D41A	Nitrate + Nitrite as N	0.200	U		0.200	mg/L	06/23/05	jpp
LAC 10210001A	Phenolics, Total Recoverable	0.0100	U		0.0100	mg/L	06/29/05	jpp
LAC 10107062D	Nitrogen, Total Kjeldahl as N (TKN)	1.00	U		1.00	mg/L	07/07/05	mwr
EPA 300.0	Ion Chromatography Analysis							
	Bromide	1.00	U	N	1.00	mg/L	06/23/05	bg
	Sulfate	76.2			15.0	mg/L	06/23/05	bg
SM18 5310C	Total Organic Carbon (TOC)							
	Organic Carbon, Total (TOC)	1.57			1.00	mg/L	07/01/05	mad

* In Description = Dry Wgt.

Page 7
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43 of 62



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STL Newburgh
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Fax (845) 562-0841

LABORATORY TEST RESULTS

Job Number: 249300

Date: 07/21/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW-223D
Date Sampled.....: 06/22/2005
Time Sampled.....: 11:31
Sample Matrix.....: Water

Laboratory Sample ID: 249300-7
Date Received.....: 06/22/2005
Time Received.....: 14:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.1	Solids, Total Dissolved (TDS)	136			5.0	mg/L	06/28/05	lms
SM18 2120B	Color	15			2.5	Pt/Co	06/23/05	mwr
SM18 2320B	Alkalinity, Total as CaCO3	38.2			5.00	mg/L	07/01/05	rnc
SM18 3500CrD	Hexavalent Chromium	0.010	U	N	0.010	mg/L	06/22/05	jpp
SM18 4500Cl	Chloride	5.0	U		5.0	mg/L	07/12/05	vvm
SM18 4500CNE	Cyanide, Total	0.0100	U		0.0100	mg/L	06/28/05	bg
SM18 4500NH3E	Ammonia (NH3), as N	1.00	U		1.00	mg/L	07/15/05	rnc
SM18 5210B	Biochemical Oxygen Demand (BOD5)	6.72			4.00	mg/L	06/23/05	rnc
HACH 8000	Chemical Oxygen Demand (COD)	35.3		*	10.0	mg/L	06/23/05	bg
LAC 11107041A	Nitrate + Nitrite as N	1.32			0.200	mg/L	06/23/05	jpp
LAC 10210001A	Phenolics, Total Recoverable	0.0100	U		0.0100	mg/L	06/29/05	jpp
LAC 10107062D	Nitrogen, Total Kjeldahl as N (TKN)	1.00	U		1.00	mg/L	07/07/05	mwr
EPA 300.0	Ion Chromatography Analysis Bromide	1.00	U	N	1.00	mg/L	06/23/05	bg
		Sulfate			15.0	mg/L	06/23/05	bg
SM18 5310C	Total Organic Carbon (TOC) Organic Carbon, Total (TOC)	11.9			1.00	mg/L	07/01/05	mad

* In Description = Dry Wgt.

Page 8
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44 of 62



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STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

LABORATORY TEST RESULTS

Job Number: 249300

Date: 07/21/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW-221D
Date Sampled.....: 06/22/2005
Time Sampled.....: 12:20
Sample Matrix.....: Water

Laboratory Sample ID: 249300-8
Date Received.....: 06/22/2005
Time Received.....: 14:50

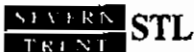
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.1	Solids, Total Dissolved (TDS)	258			5.0	mg/L	06/28/05	lms
SM18 2120B	Color	15			2.5	Pt/Co	06/23/05	mwr
SM18 2320B	Alkalinity, Total as CaCO3	122			5.00	mg/L	07/12/05	vvm
SM18 3500CrD	Hexavalent Chromium	0.010	U	N	0.010	mg/L	06/22/05	jpp
SM18 4500Cl	Chloride	53			5.0	mg/L	07/12/05	vvm
SM18 4500CNE	Cyanide, Total	0.0100	U		0.0100	mg/L	06/28/05	bg
SM18 4500NH3E	Ammonia (NH3), as N	1.00	U		1.00	mg/L	07/15/05	rnc
SM18 5210B	Biochemical Oxygen Demand (BOD5)	4.00	U		4.00	mg/L	06/23/05	rnc
HACH 8000	Chemical Oxygen Demand (COD)	23.4		*	10.0	mg/L	06/23/05	bg
LAC 11107041A	Nitrate + Nitrite as N	0.210			0.200	mg/L	06/23/05	jpp
LAC 10210001A	Phenolics, Total Recoverable	0.0100	U		0.0100	mg/L	06/29/05	jpp
LAC 10107062D	Nitrogen, Total Kjeldahl as N (TKN)	1.00	U		1.00	mg/L	07/07/05	mwr
EPA 300.0	Ion Chromatography Analysis							
	Bromide	1.00	U	N	1.00	mg/L	06/23/05	bg
	Sulfate	20.7			5.00	mg/L	06/23/05	bg
SM18 5310C	Total Organic Carbon (TOC)							
	Organic Carbon, Total (TOC)	1.00	U		1.00	mg/L	07/01/05	mad

* In Description = Dry Wgt.

Page 9

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45 of 62



NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 08-370

M-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

LABORATORY TEST RESULTS

Job Number: 249300

Date: 07/21/2005

CUSTOMER: C&S-Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: MW-221S
Date Sampled.....: 06/22/2005
Time Sampled.....: 12:39
Sample Matrix.....: Water

Laboratory Sample ID: 249300-9
Date Received.....: 06/22/2005
Time Received.....: 14:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.1	Solids, Total Dissolved (TDS)	602			5.0	mg/L	06/28/05	lms
SM18 2120B	Color	20			2.5	Pt/Co	06/23/05	mwr
SM18 2320B	Alkalinity, Total as CaCO3	462			5.00	mg/L	07/01/05	rnc
SM18 3500CrD	Hexavalent Chromium	0.010	U	N	0.010	mg/L	06/22/05	jpp
SM18 4500Cl	Chloride	5.0	U		5.0	mg/L	07/12/05	vvm
SM18 4500CNE	Cyanide, Total	0.0100	U		0.0100	mg/L	06/28/05	bg
SM18 4500NH3E	Ammonia (NH3), as N	1.00	U		1.00	mg/L	07/15/05	rnc
SM18 5210B	Biochemical Oxygen Demand (BOD5)	4.00	U		4.00	mg/L	06/23/05	rnc
HACH 8000	Chemical Oxygen Demand (COD)	17.5		*	10.0	mg/L	06/23/05	bg
LAC 11107041A	Nitrate + Nitrite as N	0.270			0.200	mg/L	06/23/05	jpp
LAC 10210001A	Phenolics, Total Recoverable	0.0100	U		0.0100	mg/L	06/29/05	jpp
LAC 10107062D	Nitrogen, Total Kjeldahl as N (TKN)	1.00	U		1.00	mg/L	07/07/05	mwr
EPA 300.0	Ion Chromatography Analysis							
	Bromide	1.00	U	N	1.00	mg/L	06/23/05	bg
	Sulfate	34.7			10.0	mg/L	06/23/05	bg
SM18 5310C	Total Organic Carbon (TOC)							
	Organic Carbon, Total (TOC)	3.23			1.00	mg/L	07/01/05	mad

* In Description = Dry Wgt.

Page 10
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46 of 62



NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

3BS
WATER VOLATILE BLANK SPIKE RECOVERY

Lab Name: STL Newburgh Contract: _____
 Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 249300
 Matrix Spike - EPA Sample No. VBSPKB024

COMPOUND	SPIKE ADDED (ug/L)	BS CONCENTRATION (ug/L)	BS % REC #	QC LIMITS REC.
1,1-Dichloroethene	20	21	105	73 - 133
Trichloroethene	20	20	100	74 - 127
Benzene	20	22	110	73 - 131
Toluene	20	21	105	81 - 123
Chlorobenzene	20	20	100	77 - 127

Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS: _____

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47 of 62

3BS
WATER VOLATILE BLANK SPIKE RECOVERY

Lab Name: STL Newburgh Contract: _____
 Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 249300
 Matrix Spike - EPA Sample No. VBSPK029

COMPOUND	SPIKE ADDED (ug/L)	BS CONCENTRATION (ug/L)	BS % REC #	QC LIMITS REC.
1,1-Dichloroethene	20	21	105	73 - 133
Trichloroethene	20	21	105	74 - 127
Benzene	20	21	105	73 - 131
Toluene	20	21	105	81 - 123
Chlorobenzene	20	21	105	77 - 127

Column to be used to flag recovery values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS: _____

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48 of 62



FORM III VOA BS

NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

STL Newburgh
 315 Fullerton Avenue
 Newburgh, NY 12550
 Tel (845) 562-0890
 Fax (845) 562-0841

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: STL Newburgh Contract: _____
 Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 249300
 Matrix Spike - EPA Sample No. MW-303D Level: (low/med) LOW

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	20	0	20	100	69 - 119
Trichloroethene	20	0	20	100	64 - 136
Benzene	20	0	21	105	74 - 124
Toluene	20	0	21	105	76 - 124
Chlorobenzene	20	0	21	105	68 - 114

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
1,1-Dichloroethene	20	20	100	0	22	69 - 119
Trichloroethene	20	20	100	0	24	64 - 136
Benzene	20	20	100	5	21	74 - 124
Toluene	20	20	100	5	21	76 - 124
Chlorobenzene	20	21	105	0	21	68 - 114

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

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49 of 62

U. S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MW-303DS

Lab Name: STL Newburgh Contract: _____Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: _____Matrix (soil/water): Water Level (low/med): _____

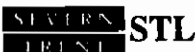
% Solids for Sample: _____

Concentration Units (ug/L or mg/Kg dry weight): ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	1977.3842	88.1380	2000.00	94.5	---	P
Antimony	75-125	742.7062	2.5000	1000.00	74.3	N	P
Arsenic	75-125	321.4464	5.5379	40.00	789.8	N	P
Barium	75-125	2120.1790	31.6306	2000.00	104.4	---	P
Beryllium	75-125	49.7796	0.4000	50.00	99.6	---	P
Boron	75-125	1363.1041	366.6202	1000.00	99.6	---	P
Cadmium	75-125	369.0549	0.8000	500.00	73.8	N	P
Calcium						---	NR
Chromium	75-125	206.8062	1.0509	200.00	102.9	---	P
Cobalt	75-125	520.1511	1.9000	500.00	104.0	---	P
Copper	75-125	254.9885	6.7315	250.00	99.3	---	P
Iron	75-125	1233.9769	428.2308	1000.00	80.6	---	P
Lead	75-125	143.6764	2.3749	200.00	70.6	N	P
Magnesium						---	NR
Manganese	75-125	542.8082	30.9250	500.00	102.4	---	P
Nickel	75-125	522.7424	4.4364	500.00	103.7	---	P
Potassium						---	NR
Silver	75-125	19.5650	1.3799	50.00	36.4	N	P
Sodium						---	NR
Selenium	75-125	67.4446	3.9000	100.00	67.4	N	P
Thallium	75-125	343.4876	2.9000	500.00	68.7	N	P
Vanadium	75-125	505.6712	2.0000	500.00	101.1	---	P
Zinc	75-125	593.3654	47.8905	500.00	109.1	---	P

Comments:

50 of 62

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FORM V - IN

NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

 STL Newburgh
 315 Elm Street
 Newburgh, NY 12550
 Tel (845) 562-0880
 Fax (845) 562-0841

U. S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MW-303DS

MISS

Lab Name: STL Newburgh

Contract: _____

Lab Code: 10142 Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): Water

Level (low/med): _____

% Solids for Sample: _____

Concentration Units (ug/L or mg/Kg dry weight): ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	1905.7450	10.4000 U	2000.00	95.3		P
Antimony	75-125	94.4938	2.5000 U	100.00	94.5		P
Arsenic	75-125	49.9659	9.1565 B	40.00	102.0		P
Barium	75-125	1989.2071	31.4536 B	2000.00	97.9		P
Beryllium	75-125	46.3298	0.4000 U	50.00	92.6		P
Boron							NR
Cadmium	75-125	48.8754	0.8000 U	50.00	97.8		P
Calcium							NR
Chromium	75-125	189.9406	0.9000 U	200.00	95.0		P
Cobalt	75-125	481.8442	1.9000 U	500.00	96.4		P
Copper	75-125	240.7822	1.2000 U	250.00	96.3		P
Iron	75-125	909.6885	13.4769 B	1000.00	89.6		P
Lead	75-125	13.3782	1.9000 U	20.00	66.9	N	P
Magnesium							NR
Manganese	75-125	486.5209	2.7707 B	500.00	96.8		P
Nickel	75-125	470.8205	3.1166 B	500.00	93.5		P
Potassium							NR
Silver	75-125	31.0719	1.1000 U	50.00	62.1	N	P
Sodium							NR
Selenium	75-125	12.2518	3.9000 U	50.00	24.5	N	P
Thallium	75-125	43.8490	2.9000 U	50.00	87.7		P
Vanadium	75-125	461.8055	2.0000 U	500.00	92.4		P
Zinc	75-125	517.1158	18.7258 B	500.00	99.7		P

Comments:

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51 of 62

FORM V - IN

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NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 66-378

M-NY049

STL Newburgh
315 Broadway
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

5A
SPIKE SAMPLE RECOVERY

MW-303DS

Contract :

SAS No. :

SDG No. :

Level (low/med) :

% Solids for Sample:

Concentration Units (ug/L or mg/Kg dry weight): ug/L

[illegible]

Comments:

5A
SPIKE SAMPLE RECOVERY

MW-303DS

Contract : _____

SAS No. :

SDG No. :

Level (low/med) :

% Solids for Sample: _____

Concentration Units (ug/L or mg/Kg dry weight): ug/L

[illegible]

Comments:

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MW-303DS

Lab Name: STL Newburgh

Contract: _____

Lab Code: 10142 Case No.: _____

SAS No. :

SDG No. : _____

Matrix (soil/water): Water

Level (low/med) :

% Solids for Sample:

Concentration Units (ug/L or mg/Kg dry weight): ug/L

[illegible]

Comments:

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54 of 62

SEVERN
FRONT **STL**

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NJDEP 73015

CTDOHS FH-0554

EPA NY049

PA 65-379

NYC49

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Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

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6
DUPLICATES

EPA SAMPLE NO.

MW-303D

Lab Name: STL Newburgh

Contract: _____

Lab Code: 10142 Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): Water

Level (low/med): _____

% Solids for Sample: _____

% Solids for Duplicate: _____

Concentration Units (ug/L or mg/Kg dry weight): ug/L

Analyte	Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		88.1380	B	64.3350	B	31.2	-	P
Antimony		2.5000	U	2.5000	U		-	P
Arsenic		5.5379	B	8.2159	B	38.9	-	P
Barium		31.6306	B	32.0054	B	1.2	-	P
Beryllium		0.4000	U	0.4000	U		-	P
Boron		366.6202		377.6242		3.0	-	P
Cadmium		0.8000	U	0.8000	U		-	P
Calcium		47500.2827		48927.1179		3.0	-	P
Chromium		1.0509	B	1.2721	B	19.0	-	P
Cobalt		1.9000	U	1.9000	U		-	P
Copper		6.7315	B	5.7424	B	15.8	-	P
Iron	100.0	428.2308		361.9304		16.8	-	P
Lead		2.3749	B	2.8327	B	17.6	-	P
Magnesium	5000.0	19206.5242	-	19627.6891	-	2.2	-	P
Manganese	10.0	30.9250	-	31.2047	-	0.9	-	P
Nickel		4.4364	B	4.7289	B	6.4	-	P
Potassium		8592.8030	B	9398.4476	B	9.0	-	P
Silver		1.3799	B	1.9559	B	34.5	-	P
Sodium		169097.6130		174209.5550		3.0	-	P
Selenium		3.9000	U	3.9000	U		-	P
Thallium		2.9000	U	2.9000	U		-	P
Vanadium		2.0000	U	2.0000	U		-	P
Zinc	20.0	47.8905	-	47.5339	-	0.7	-	P
			-		-		-	-
			-		-		-	-
			-		-		-	-
			-		-		-	-

FORM VI - IN

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55 of 62

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TRENT **STL**

NYSDOH 10142

NJDEP 73018

CTDOHS PH-0554

EPA NY049

PA 66-378

M-NY049

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315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

U. S. EPA - CLP

6
DUPLICATES

EPA SAMPLE NO.

MW-303D

DISS

Lab Name: STL Newburgh Contract: _____Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: _____Matrix (soil/water): Water Level (low/med): _____

% Solids for Sample: _____ % Solids for Duplicate: _____

Concentration Units (ug/L or mg/Kg dry weight): ug/L

Analyte	Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		10.4000	U	14.5985	B	200.0	--	P
Antimony		2.5000	U	2.5000	U		--	P
Arsenic		9.1565	B	6.4118	B	35.3	--	P
Barium		31.4536	B	30.9136	B	1.7	--	P
Beryllium		0.4000	U	0.4000	U		--	P
Boron		370.4358		371.0289		0.2	--	P
Cadmium		0.8000	U	0.8000	U		--	P
Calcium		48635.7755		49060.5335		0.9	--	P
Chromium		0.9000	U	0.9000	U		--	P
Cobalt		1.9000	U	1.9000	U		--	P
Copper		1.2000	U	1.2000	U		--	P
Iron		13.4769	B	10.0335	B	29.3	--	P
Lead		1.9000	U	1.9000	U		--	P
Magnesium	5000.0	19314.0659		19191.4828		0.6	--	P
Manganese		2.7707	B	2.6711	B	3.7	--	P
Nickel		3.1166	B	3.1328	B	0.5	--	P
Potassium		9096.9539	B	9339.1674	B	2.6	--	P
Silver		1.1000	U	1.1311	B	200.0	--	P
Sodium		177254.0300		176372.5180		0.5	--	P
Selenium		3.9000	U	3.9000	U		--	P
Thallium		2.9000	U	2.9000	U		--	P
Vanadium		2.0000	U	2.0000	U		--	P
Zinc		18.7258	B	17.9648	B	4.1	--	P

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56 of 62

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NYSDOH 10142

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Newburgh, NY 12550
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6
DUPLICATES

EPA SAMPLE NO.

MW-303D

Lab Name: STL Newburgh Contract: _____

Lab Code: 10142 Case No.: SAS No.: SDG No.:

Matrix (soil/water): Water Level (low/med):

% Solids for Sample: _____ % Solids for Duplicate: _____

Concentration Units (ug/L or mg/Kg dry weight): ug/L

[illegible]

FORM VI - IN

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6
DUPLICATES

EPA SAMPLE NO.

MW-303D
DLSS

Lab Name: STL Newburgh

Contract: _____

Lab Code: 10142 Case No.: _____

SAS No. : _____

SDG No. : _____

Matrix (soil/water): Water

Level (low/med) : _____

% Solids for Sample: _____

% Solids for Duplicate: _____

Concentration Units (ug/L or mg/Kg dry weight): ug/L

[illegible]

FORM VI - IN

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58 of 62

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315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

6
DUPLICATES

EPA SAMPLE NO.

MW-303D

Lab Name: STL Newburgh _____ Contract: _____

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): Water Level (low/med):

% Solids for Sample: % Solids for Duplicate: _____

Concentration Units (ug/L or mg/Kg dry weight): ug/L

[illegible]

FORM VI - IN

59 of 62

ILM04.0

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**SIVERN
TRENT STL**

NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NYD49

PA 68-378

M-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

Job Number.: 249300

QUALITY CONTROL RESULTS

Report Date.: 07/21/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Test Method.....: SM18 2320B

Batch.....: 93249

Analyst....: rmc

Method Description.: Alkalinity

Units.....: mg/L

Test Code.: ALK

Parameter.....: Alkalinity, Total as CaCO3

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MD	249300-1		218.1				214.1	1.9	8-8		07/01/2005	1510
MS	249300-1	W04ALKSPK1	239.7			25.0	214.1	102.4	60-139		07/01/2005	1519

Test Method.....: SM18 2320B

Batch.....: 94247

Analyst....: vvm

Method Description.: Alkalinity

Units.....: mg/L

Test Code.: ALK

Parameter.....: Alkalinity, Total as CaCO3

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MD	249730-1		36.02				36.99	2.7	8-8		07/12/2005	1422
MS	249730-1	W05ALKSPK1	63.06			25	36.99	104.3	60-139		07/12/2005	1442

Test Method.....: SM18 4500NH3E

Batch.....: 93978

Analyst....: rmc

Method Description.: Nitrogen, Ammonia (Distillation)

Units.....: mg/L

Test Code.: NH3

Parameter.....: Ammonia (NH3), as N

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MS	249300-1	W04NH3SPK1	9.24			10.0	0	92.4	84-123		07/15/2005	2000
MD	249300-1		0				0	0.0	20-20		07/15/2005	2000

Test Method.....: SM18 5210B

Batch.....: 94248

Analyst....: rmc

Method Description.: Biochemical Oxygen Demand (BOD/CBOD)

Units.....: mg/L

Test Code.: BOD

Parameter.....: Biochemical Oxygen Demand (BOD5)

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MD	249300-1		0				0	0.0	20-20		06/23/2005	1147

Test Method.....: EPA 300.0

Batch.....: 92837

Analyst....: bg

Method Description.: Ion Chromatography Analysis

Units.....: mg/L

Test Code.: BRO

Parameter.....: Bromide

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MD	249300-2		0				0	0	20-20		06/23/2005	1750
MS	249300-2	W031CSPK01	1.22			1.00	0	122.0	80-120	N	06/23/2005	1759

Test Method.....: HACH 8000

Batch.....: 94256

Analyst....: bg

Method Description.: Chemical Oxygen Demand (HACH)

Units.....: mg/L

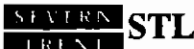
Test Code.: COD

Parameter.....: Chemical Oxygen Demand (COD)

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MD	249300-1		17.5				20.5	15.8	10-10	*	06/23/2005	0830
MS	249300-1	W02CODSPKL	62.0			50	20.5	83.0	58-133		06/23/2005	0830

60 of 62

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NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

MI-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

Job Number.: 249300

QUALITY CONTROL RESULTS

Report Date.: 07/21/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Test Method.....: SM18 4500Cl
 Method Description.: Chloride
 Parameter.....: Chloride

Batch.....: 93701
 Units.....: mg/L

Analyst....: vvm
 Test Code.: CHL

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MD	249300-8		53.9974				53.0332	1.8	19-19		07/12/2005	1340
MS	249300-8	W04CLSPK02	74.2465			25.0	53.0332	84.9	74-126		07/12/2005	1340

Test Method.....: SM18 2120B
 Method Description.: Color
 Parameter.....: Color

Batch.....: 92939
 Units.....: Pt/Co

Analyst....: mmr
 Test Code.: COLOR

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MD	249239-10		20				20	0.0	20-20		06/23/2005	1435

Test Method.....: SM18 3500CrP
 Method Description.: Hexavalent Chromium
 Parameter.....: Hexavalent Chromium

Batch.....: 92736
 Units.....: mg/L

Analyst....: jpp
 Test Code.: CR6

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MS	249300-1	W04SPKCR62	0.028			0.02000	0	140.0	72-133	N	06/22/2005	0845
MD	249300-1		0				0	0.0	15-15		06/22/2005	0845

Test Method.....: LAC 11107041A
 Method Description.: Nitrate-Nitrite
 Parameter.....: Nitrate + Nitrite as N

Batch.....: 94257
 Units.....: mg/L

Analyst....: jpp
 Test Code.: NO3NO2

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MS	249300-3	W04NO3SPK1	4.93			4.0	1.19	93.5	76-118		06/23/2005	0000
MD	249300-3		1.19				1.19	0.0	14-14		06/23/2005	0000

Test Method.....: LAC 10107062D
 Method Description.: Nitrogen, Total Kjeldahl
 Parameter.....: Nitrogen, Total Kjeldahl as N (TKN)

Batch.....: 94258
 Units.....: mg/L

Analyst....: mmr
 Test Code.: TKN

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MD	249300-9		0				0	0.0	20-20		07/07/2005	0249
MS	249300-9	W04TKNSPK1	1.27			2.000	0	63.5	50-150		07/07/2005	0312

Test Method.....: SM18 5310C
 Method Description.: Total Organic Carbon (TOC)
 Parameter.....: Organic Carbon, Total (TOC)

Batch.....: 94259
 Units.....: mg/L

Analyst....: mad
 Test Code.: TOC

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MS	249300-1	W02TOCSPK1	22.029			20.0	1.745	101.4	75-125		07/01/2005	1147
MD	249300-1		1.749				1.745	0.2	20-20		07/01/2005	1147

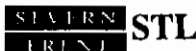
61 of 62

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Page 21

X=REC, R=RPD, A=ABS Diff., D=% Diff.

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NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

Job Number.: 249300

QUALITY CONTROL RESULTS

Report Date.: 07/21/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YOR

ATTN: Christen Craig

Test Method.....: LAC 10210001A

Batch.....: 94260

Analyst....: jpp

Method Description.: Phenolics, Total Recoverable

Units.....: mg/L

Test Code.: PHENTR

Parameter.....: Phenolics, Total Recoverable

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MS	249300-1	W02PHESPK1	0.034			0.030	0	113.3	69-142		06/29/2005	0643
MD	249300-1		0				0	0.0	15-15		06/29/2005	0643

Test Method.....: EPA 160.1

Batch.....: 93067

Analyst....: lms

Method Description.: Solids, Total Dissolved (TDS)

Units.....: mg/L

Test Code.: TDS

Parameter.....: Solids, Total Dissolved (TDS)

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MD	249300-1		740				720	2.7	15-15		06/28/2005	1900

Test Method.....: EPA 300.0

Batch.....: 92837

Analyst....: bg

Method Description.: Ion Chromatography Analysis

Units.....: mg/L

Test Code.: S04

Parameter.....: Sulfate

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MD	249300-2		1.49				1.50	0.7	20-20		06/23/2005	1750
MS	249300-2	W03ICSPK01	11.73			10.0	1.50	117.3	80-120		06/23/2005	1759

62 of 62

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C&S Engineers
Syracuse, NY
Project: OCLF, GOSHEN, NEW YORK
STL Lab # 252478
Matrix: Water
1 of 1

STL Newburgh
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10/27/2005

C&S Engineers
499 Col. Eileen Collins Blvd
Syracuse, New York 13212

Attn: Christen Craig

SUBJECT: Case Narrative, OCLF, GOSHEN, NEW YORK,
STL Job Number 252478.

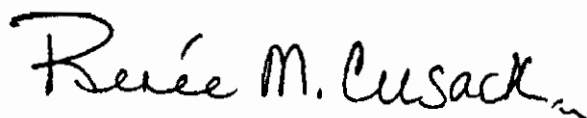
Dear Christen Craig:

Enclosed are the analytical results for the OCLF, GOSHEN NEW YORK project. The samples were received on 09/26/2005. The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. The reports were completed according to contract specific reporting requirements.

Any exceptions to NELAP requirements are noted in the attached case narrative. The case narrative is an integral part of this report.

I certify that this package is in compliance with the terms and conditions of the contract both technically and for completeness, for other than the conditions detailed above. Release has been authorized by the Laboratory Manager or her designee, as verified by the following signature.

STL NEWBURGH



Renee M. Cusack
Laboratory Manager

CASE NARRATIVE

Client: C&S Engineers

Date: 10/27/05

STL Lab No.: 252478

Page 1 of 2

Sample Receipt

The temperature of the samples at the time of receipt was 7.4 degrees C.

Volatiles

Calibration

The percent RSD of several compounds in the initial calibration exceed the acceptable control limits therefore linear regression was used to calculate those compounds.

The percent RPD of several compounds in the continuing calibration is outside of the acceptable control limits.

Inorganics

ICP

Matrix Spike/Duplicate

The percent spike recovery of antimony and selenium is outside of the established control limits. As per the protocol, a post digestion spike was analyzed for antimony and selenium.

The duplicate percent RPD of aluminum, iron and zinc is outside of the established control limits.

Laboratory Control Sample

The percent recovery of calcium in the LCS slightly exceeds the upper control limit.

Serial Dilution

The percent difference of potassium falls outside the control limit of 10%. As a result a chemical or physical interference may be suspected.

CASE NARRATIVE

Client: C&S Engineers

Date: 10/27/05

STL Lab No.: 252478

Page 2 of 2

Mercury

Matrix Spike/Duplicate

The matrix spike/duplicate was not performed on a sample from laboratory number 252478.

Wet Chemistry

Matrix Spike/Duplicate

The matrix spike/duplicate for alkalinity, BOD, COD, chloride, cyanide, TKN, TOC and TDS was not performed on a sample from laboratory number 252478.

Bromide

Matrix Spike

The percent spike recovery of bromide id outside of the established control limits.

Sulfate

Sample Dilution

Due to the results of sulfate over the range of the instrument several samples were diluted for sulfate at the indicated amount.

SAMPLE INFORMATION

Date: 10/27/2005

Job Number.: 252478
Customer....: C&S Engineers
Attn.....: Christen Craig

Project Number.....: 20001613
Customer Project ID....: OCLF,GOSHEN, NEW YOR
Project Description....: OCLF,Goshen, New York

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
252478-1	SW-13	Surf. Water	09/26/2005	09:40	09/26/2005	12:50
252478-2	SW-3	Surf. Water	09/26/2005	10:22	09/26/2005	12:50
252478-3	SW-5	Surf. Water	09/26/2005	11:01	09/26/2005	12:50
252478-4	SW-8	Surf. Water	09/26/2005	11:26	09/26/2005	12:50

LABORATORY CHRONICLE

Job Number: 252478

Date: 10/27/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YOR

ATTN: Christen Craig

Lab ID: 252478-1 Client ID: SW-13		Date Recvd: 09/26/2005		Sample Date: 09/26/2005		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED DILUTION
EPA 200.7	Acid Digestion, Total Recoverable(ICAP)	1	98121			10/03/2005 0915
SM18 2320B	Alkalinity	1	99829			10/03/2005 1120
SM18 5210B	Biochemical Oxygen Demand (BOD/CBOD)	1	99832			09/28/2005 1213
HACH 8000	Chemical Oxygen Demand (HACH)	1	99834			09/29/2005 1030
SM18 4500Cl	Chloride	1	99836			10/05/2005 0215
SM18 2120B	Color	1	98478			09/26/2005 1635
SM18 4500CNE	Cyanide, Total	1	98600			09/28/2005 0740
EPA 200.7	Hardness by calculation	1	99871			10/25/2005 0000
SM18 3500CrD	Hexavalent Chromium	1	98172			06/27/2005 0930
EPA 300.0	Ion Chromatography Analysis	1	99833			09/26/2005 1859
EPA 300.0	Ion Chromatography Analysis	1	99833			09/26/2005 1943 2
EPA 245.1	Mercury (CVAA)	1	98634			10/05/2005 1256
EPA 200.7	Metals Analysis (ICP)	1	99852	98121		10/24/2005 1653
EPA 200.7	Metals Analysis (ICP)	1	99857	98121		10/25/2005 1223
LAC 11107041A	Nitrate-Nitrite	1	99837			10/11/2005 1123
SM18 4500NH3E	Nitrogen, Ammonia (Distillation)	1	99830			10/14/2005 1550
LAC 10107062D	Nitrogen, Total Kjeldahl	1	99563			10/04/2005 1613
LAC 10210001A	Phenolics, Total Recoverable	1	99839			10/19/2005 1528
QA Services	Quality Assurance Services	1	100001			
QA Services	Quality Assurance Services	1	99662			
EPA 160.1	Solids, Total Dissolved (TDS)	1	99840			10/03/2005 1330
SM18 5310C	Total Organic Carbon (TOC)	1	99838			10/04/2005 1156
SW846 8260B	Volatile Organics	1	99940			10/04/2005 0000
Lab ID: 252478-2 Client ID: SW-3		Date Recvd: 09/26/2005		Sample Date: 09/26/2005		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED DILUTION
EPA 200.7	Acid Digestion, Total Recoverable(ICAP)	1	98121			10/03/2005 0915
SM18 2320B	Alkalinity	1	99829			10/03/2005 1127
SM18 5210B	Biochemical Oxygen Demand (BOD/CBOD)	1	99832			09/28/2005 1222
HACH 8000	Chemical Oxygen Demand (HACH)	1	99834			09/29/2005 1030
SM18 4500Cl	Chloride	1	99836			10/05/2005 0215
SM18 2120B	Color	1	98478			09/26/2005 1635
SM18 4500CNE	Cyanide, Total	1	98600			09/28/2005 0740
EPA 200.7	Hardness by calculation	1	99871			10/25/2005 0000
SM18 3500CrD	Hexavalent Chromium	1	98172			06/27/2005 0930
EPA 300.0	Ion Chromatography Analysis	1	99833			09/26/2005 1906
EPA 300.0	Ion Chromatography Analysis	1	99833			09/26/2005 2016 2
EPA 245.1	Mercury (CVAA)	1	98634			10/05/2005 1258
EPA 200.7	Metals Analysis (ICP)	1	99852	98121		10/24/2005 1719
EPA 200.7	Metals Analysis (ICP)	1	99857	98121		10/25/2005 1251
LAC 11107041A	Nitrate-Nitrite	1	99837			10/11/2005 1125
SM18 4500NH3E	Nitrogen, Ammonia (Distillation)	1	99830			10/14/2005 1550
LAC 10107062D	Nitrogen, Total Kjeldahl	1	99563			10/04/2005 1614
LAC 10210001A	Phenolics, Total Recoverable	1	99839			10/19/2005 1529
QA Services	Quality Assurance Services	1	100001			
QA Services	Quality Assurance Services	1	99662			
EPA 160.1	Solids, Total Dissolved (TDS)	1	99840			10/03/2005 1330
SM18 5310C	Total Organic Carbon (TOC)	1	99838			10/04/2005 1156
SW846 8260B	Volatile Organics	1	99940			10/04/2005 0000
Lab ID: 252478-3 Client ID: SW-5		Date Recvd: 09/26/2005		Sample Date: 09/26/2005		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED DILUTION
EPA 200.7	Acid Digestion, Total Recoverable(ICAP)	1	98121			10/03/2005 0915
SM18 2320B	Alkalinity	1	99829			10/03/2005 1135
SM18 5210B	Biochemical Oxygen Demand (BOD/CBOD)	1	99832			09/28/2005 1230

LABORATORY CHRONICLE

Job Number: 252478

Date: 10/27/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YOR

ATTN: Christen Craig

Lab ID: 252478-3	Client ID: SW-5	Date Recvd: 09/26/2005	Sample Date: 09/26/2005		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)
HACH 8000	Chemical Oxygen Demand (HACH)	1	99834		
SM18 4500Cl	Chloride	1	99836		
SM18 2120B	Color	1	98478		
SM18 4500CNE	Cyanide, Total	1	98600		
EPA 200.7	Hardness by calculation	1	99871		
SM18 3500CrD	Hexavalent Chromium	1	98172		
EPA 300.0	Ion Chromatography Analysis	1	99833		
EPA 300.0	Ion Chromatography Analysis	1	99833		
EPA 245.1	Mercury (CVAA)	1	98634		
EPA 200.7	Metals Analysis (ICP)	1	99852	98121	
EPA 200.7	Metals Analysis (ICP)	1	99857	98121	
LAC 11107041A	Nitrate-Nitrite	1	99837		
SM18 4500NH3E	Nitrogen, Ammonia (Distillation)	1	99830		
LAC 10107062D	Nitrogen, Total Kjeldahl	1	99563		
LAC 10210001A	Phenolics, Total Recoverable	1	99839		
QA Services	Quality Assurance Services	1	100001		
QA Services	Quality Assurance Services	1	99662		
EPA 160.1	Solids, Total Dissolved (TDS)	1	99840		
SM18 5310C	Total Organic Carbon (TOC)	1	99838		
SW846 8260B	Volatile Organics	1	99940		

Lab ID: 252478-4	Client ID: SW-8	Date Recvd: 09/26/2005	Sample Date: 09/26/2005		
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)
EPA 200.7	Acid Digestion, Total Recoverable (ICAP)	1	98121		
SM18 2320B	Alkalinity	1	99829		
SM18 5210B	Biochemical Oxygen Demand (BOD/CBOD)	1	99832		
HACH 8000	Chemical Oxygen Demand (HACH)	1	99834		
SM18 4500Cl	Chloride	1	99836		
SM18 2120B	Color	1	98478		
SM18 4500CNE	Cyanide, Total	1	98600		
EPA 200.7	Hardness by calculation	1	99871		
SM18 3500CrD	Hexavalent Chromium	1	98172		
EPA 300.0	Ion Chromatography Analysis	1	99833		
EPA 300.0	Ion Chromatography Analysis	1	99833		
EPA 245.1	Mercury (CVAA)	1	98634		
EPA 200.7	Metals Analysis (ICP)	1	99852	98121	
EPA 200.7	Metals Analysis (ICP)	1	99857	98121	
LAC 11107041A	Nitrate-Nitrite	1	99837		
SM18 4500NH3E	Nitrogen, Ammonia (Distillation)	1	99830		
LAC 10107062D	Nitrogen, Total Kjeldahl	1	99563		
LAC 10210001A	Phenolics, Total Recoverable	1	99839		
QA Services	Quality Assurance Services	1	100001		
QA Services	Quality Assurance Services	1	99662		
EPA 160.1	Solids, Total Dissolved (TDS)	1	99840		
SM18 5310C	Total Organic Carbon (TOC)	1	99838		
SW846 8260B	Volatile Organics	1	99940		

THE ANALYTICAL METHODS MAY UTILIZE ONE OR MORE OF THE FOLLOWING
REFERENCES:

"Methods for Chemical Analysis of Water and Wastewater",
EPA-600/4-79-020, March 1983.

"Test Methods for Evaluating Solid Waste", USEPA-SW846, Third
Edition, September 1986 with all current revisions.

Federal Register, V.50 No.3, January 4, 1985.

Federal Register, V.49, No. 209, October 26, 1984.

"Methods for the Determination of Organic Compounds in Drinking Water
EPA/600/4-88/039, December 1988.

Volatile Organic Compounds in Water by Purge and Trap Capillary
Column Gas Chromatography With Photoionization and Electrolytic
Conductivity Detectors in Series, EMSL, Cincinnati, Ohio, 45268,
Revision 2.0 (1989).

EPA Method for the Determination of Gasoline Range Organics, Draft,
REV. 5, 2/5/92.

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Services Protocol, Vol. 1 , October 1995.

USEPA CLP SOW for Organics Analysis Low Concentration Water

USEPA CLP SOW for Organics Analysis Multi-Media, Multi-Concentration

THE ANALYTICAL METHODS MAY UTILIZE ONE OR MORE OF THE FOLLOWING
REFERENCES:

"Methods for Chemical Analysis of Water and Wastewater",
EPA-600/4-79-020, March 1983

"Standard Methods for the Examination of Water and Wastewater", 18th
Edition, 1992

Atomic Absorption - Furnace Technique

"Test Methods for Evaluating Solid Waste", USEPA-SW846, Third Edition,
September 1986 with all current revisions.

"Standard Methods for the Examination of Water and Wastewater",
17th Edition, 1989.

HACH8000 1979 Handbook

"New York State Department of Environmental Conservation Analytical
Services Protocol, Vol.2, October 1995.

"Determination of Cyanide" (Macro Distillation Method in Waters),
QUIK CHEM Method 10-204-00-1-A, Karin Wendt, Revised June 6,
1996, Lachat Instruments, Milwaukee, Wi. 53218

"Determination of Nitrate/Nitrite in Surface and Wastewaters by Flow
Injection Analysis", QUICK CHEM Method 10-107041A, Karin Wendt,
Revised June 24, 1997, Zellweger Analytics, Milwaukee, Wi. 53218

"Determination of Total Recoverable Phenols by Flow Injection
Analysis Colorimetry", QUIK CHEM Method 10-210-00-1-A, Ninglan
Liao, Revised August 6, 1996, Lachat Instruments, Milwaukee, Wi.
53218.

"Determination of Nitrogen, Total Kjeldahl by Flow Injection Analysis
Colorimetry" QUIK CHEM Method 10-107-06-2-D, Kevin Switala,
Revised October 7, 1997, Lachat Instruments, Milwaukee, Wi 53218.

Enterolert - (Idexx)

"American Society for Testing and Materials."

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FAX (845) 562-0841

CUSTOMER NAME	C.T.S. ENGINEERS
ADDRESS	
CITY, STATE, ZIP	
NAME OF CONTACT	
PHONE NO.	
PROJECT LOCATION	ORANGE CO. LANDFILL
PROJECT NUMBER / PO NO.	

REPORT TYPE STANDARD ☐ ISRA ☐ NJ REG ☐ NYASP A ☐ B ☐ CLP ☐ OTHER _____		TURNAROUND ☐ NORMAL _____ ☐ QUICK _____ ☐ VERBAL _____	
REPORT # (Lab Use Only) 84452			
SAMPLE TEMP. _____ SAMPLE REC'D ON ICE Y ☒ N ☐ PH CHECK Y ☒ N ☐ CHLORINE (RESIDUAL) Y _____ N ☒ _____ REVIEWED BY: _____		NY PUBLIC WATER SUPPLIES SOURCE ID _____ ELRP TYPE _____ FEDERAL ID _____	

Matrix
DW = DRINKING WATER S = SOIL O = OIL
WW = WASTE WATER SL = SLUDGE GW = GROUND WATER

NOTE: SAMPLE TEMPERATURE UPON RECEIPT MUST BE $4^{\circ} \pm 2^{\circ}\text{C}$.

[illegible]

10 of 39

SAMPLES SUBMITTED FOR ANALYSIS WILL BE SUBJECTED TO THE STL TERMS AND CONDITIONS OF SALE (SHORT FORM) UNLESS ALTERNATE TERMS ARE AGREED IN WRITING

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
SAMPLED BY J. J. Fenn	COMPANY S. I. W.	DATE 9/28/05	TIME 11:26 A	RECEIVED BY	COMPANY	DATE	TIME
RELINQUISHED BY J. J. Fenn	COMPANY S. I. W.	DATE 9/28/05	TIME 12:50 P	RECEIVED BY J. J. Fenn	COMPANY S. I. W.	DATE 9/28/05	TIME 12:50 P

COMMENTS

DATA REPORTING QUALIFIERS

Data qualifiers are used in the analytical report for organics and inorganics. The qualifiers are equivalent to those used by the USEPA in its Contract Laboratory Program.

ORGANIC QUALIFIERS

- U - Indicates that the compound was analyzed for but not detected. The sample detection limit is corrected for dilution and percent moisture. This detection limit is not necessarily the instrument detection limit.
- J - Indicates an estimated value. This qualifier is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the mass spectral data indicates the presence of a compound that meets the identification criteria and the result is less than the specified detection limit but greater than zero.
- B - Indicates that the analyte was found in both the sample and its associated laboratory blank. It indicates possible/probable blank contamination and warns the data user to take appropriate action.
- C - This qualifier applies to pesticide parameters where the identification has been confirmed by gas chromatography/mass spectrometry.
- E - This qualifier indicates compounds whose concentrations exceed the calibration range of the instrument for the specific analysis.
- D - Indicates all compounds identified in an analysis at a secondary dilution factor.
- DL - This suffix indicates a diluted sample and is appended to the sample number on the result form.
- N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the N code is not used.
- P - This flag is used for a pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentration between the two GC columns (see Form X). The lower of the two values is reported on Form I and flagged with an "P".
- A - This flag indicates that a TIC is a suspected aldol-condensation product.
- RE - This suffix indicates a re-analyzed sample and is appended to the sample number on the result form.

DATA REPORTING QUALIFIERS

Page 2

RR - This suffix indicates a re-extracted and re-analyzed sample and is appended to the sample number on the result form.

INORGANICS

Concentration Qualifiers (C)

U - Indicates that the analyte was analyzed for but not detected.

B - The reported value is less than the Contract Required Detection Limit (CRDL), but greater than the Instrument Detection Limit (IDL).

Quality Qualifiers (Q)

E - Indicates an estimated value because of the presence of interference.

M - Duplicate injection precision not met.

N - Spiked sample recovery not within control limits.

S - The reported value was determined by the Method of Standard Additions (MSA).

W - Post digestion spike for furnace AA analysis is out of control limits (85-115%), while sample absorbance is less than 50% of spike absorbance.

* - Duplicate analysis not within control limits.

+ - Correlation coefficient for the MSA is less than 0.995.

Method Qualifiers (M)

P - for ICP.

A - for Flame AA.

F - for Furnace AA.

PM - for ICP when Microwave Digestion is used.

AM - for Flame AA when Microwave Digestion is used.

FM - for Furnace AA when Microwave Digestion is used.

CV - for Manual Cold Vapor AA.

AV - for Automated Cold Vapor AA.

AS - for Semi-Automated Spectrophotometric

C - for Manual Spectrophotometric

T - for Titrimetric.

NR - if the analyte is not required to be analyzed.

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: STL Newburgh Contract: _____
 Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: 252478
 Matrix Spike - EPA Sample No SW-8

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	20	0	22	110	73 - 133
Trichloroethene	20	0	20	100	74 - 127
Benzene	20	0	23	115	73 - 131
Toluene	20	0	22	110	81 - 123
Chlorobenzene	20	0	20	100	77 - 127

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	REC.
1,1-Dichloroethene	20	21	105	5	14	73 - 133
Trichloroethene	20	20	100	0	14	74 - 127
Benzene	20	22	110	4	11	73 - 131
Toluene	20	21	105	5	13	81 - 123
Chlorobenzene	20	20	100	0	13	77 - 127

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

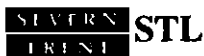
Spike Recovery: 0 out of 10 outside limits

COMMENTS: _____

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FORM III VOA-1

13 of 39



NYSDOH 10142

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CTDOHS PH-0664

EPA NY049

PA 60-976

M-NY049

STL Newburgh
 315 South Avenue
 Newburgh, NY 12550
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 Fax (845) 562-0841

LABORATORY TEST RESULTS

Job Number: 252478

Date: 10/27/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: SW-13
Date Sampled.....: 09/26/2005
Time Sampled.....: 09:40
Sample Matrix.....: Surf. Water

Laboratory Sample ID: 252478-1
Date Received.....: 09/26/2005
Time Received.....: 12:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8260B	Volatile Organics							
	Chloromethane	1.0	U		1.0	ug/L	10/04/05	ljc
	Vinyl chloride	1.0	U		1.0	ug/L	10/04/05	ljc
	Bromomethane	1.0	U		1.0	ug/L	10/04/05	ljc
	Chloroethane	1.0	U		1.0	ug/L	10/04/05	ljc
	Trichlorofluoromethane	1.0	U		1.0	ug/L	10/04/05	ljc
	1,1-Dichloroethene	1.0	U		1.0	ug/L	10/04/05	ljc
	Iodomethane	5.0	U		5.0	ug/L	10/04/05	ljc
	Carbon disulfide	1.0	U		1.0	ug/L	10/04/05	ljc
	Acetone	5.0	U		5.0	ug/L	10/04/05	ljc
	Methylene chloride	0.73	U		1.0	ug/L	10/04/05	ljc
	trans-1,2-Dichloroethene	1.0	U		1.0	ug/L	10/04/05	ljc
	Acrylonitrile	10	U		10	ug/L	10/04/05	ljc
	1,1-Dichloroethane	1.0	U		1.0	ug/L	10/04/05	ljc
	Vinyl acetate	1.0	U		1.0	ug/L	10/04/05	ljc
	cis-1,2-Dichloroethene	1.0	U		1.0	ug/L	10/04/05	ljc
	2-Butanone (MEK)	2.5	U		2.5	ug/L	10/04/05	ljc
	Bromochloromethane	1.0	U		1.0	ug/L	10/04/05	ljc
	Chloroform	1.0	U		1.0	ug/L	10/04/05	ljc
	1,1,1-Trichloroethane	1.0	U		1.0	ug/L	10/04/05	ljc
	Carbon tetrachloride	1.0	U		1.0	ug/L	10/04/05	ljc
	Benzene	1.0	U		1.0	ug/L	10/04/05	ljc
	1,2-Dichloroethane	1.0	U		1.0	ug/L	10/04/05	ljc
	Trichloroethene	1.0	U		1.0	ug/L	10/04/05	ljc
	1,2-Dichloropropane	1.0	U		1.0	ug/L	10/04/05	ljc
	Dibromomethane	1.0	U		1.0	ug/L	10/04/05	ljc
	Bromodichloromethane	1.0	U		1.0	ug/L	10/04/05	ljc
	cis-1,3-Dichloropropene	1.0	U		1.0	ug/L	10/04/05	ljc
	4-Methyl-2-pentanone (MIBK)	2.5	U		2.5	ug/L	10/04/05	ljc
	Toluene	1.0	U		1.0	ug/L	10/04/05	ljc
	trans-1,3-Dichloropropene	1.0	U		1.0	ug/L	10/04/05	ljc
	1,1,2-Trichloroethane	1.0	U		1.0	ug/L	10/04/05	ljc
	Tetrachloroethene	1.0	U		1.0	ug/L	10/04/05	ljc
	2-Hexanone	2.5	U		2.5	ug/L	10/04/05	ljc
	Dibromochloromethane	1.0	U		1.0	ug/L	10/04/05	ljc
	1,2-Dibromoethane (EDB)	1.0	U		1.0	ug/L	10/04/05	ljc
	Chlorobenzene	1.0	U		1.0	ug/L	10/04/05	ljc
	1,1,1,2-Tetrachloroethane	1.0	U		1.0	ug/L	10/04/05	ljc
	Ethylbenzene	1.0	U		1.0	ug/L	10/04/05	ljc
	Styrene	1.0	U		1.0	ug/L	10/04/05	ljc
	Bromoform	1.0	U		1.0	ug/L	10/04/05	ljc
	trans-1,4-Dichloro-2-butene	1.0	U		1.0	ug/L	10/04/05	ljc
	1,1,2,2-Tetrachloroethane	1.0	U		1.0	ug/L	10/04/05	ljc
	1,2,3-Trichloropropane	1.0	U		1.0	ug/L	10/04/05	ljc
	Xylenes (total)	1.0	U		1.0	ug/L	10/04/05	ljc
	1,4-Dichlorobenzene	1.0	U		1.0	ug/L	10/04/05	ljc
	1,2-Dichlorobenzene	1.0	U		1.0	ug/L	10/04/05	ljc
	1,2-Dibromo-3-chloropropane	1.0	U		1.0	ug/L	10/04/05	ljc

* In Description = Dry Wgt.

Page 2

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14 of 39

STL Newburgh
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Fax (845) 562-0841

Job Number: 252478

LABORATORY TEST RESULTS

Date: 10/27/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: SW-3
 Date Sampled.....: 09/26/2005
 Time Sampled.....: 10:22
 Sample Matrix.....: Surf. Water

Laboratory Sample ID: 252478-2
 Date Received.....: 09/26/2005
 Time Received.....: 12:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8260B	Volatile Organics							
	Chloromethane	1.0	U		1.0	ug/L	10/04/05	ljc
	Vinyl chloride	1.0	U		1.0	ug/L	10/04/05	ljc
	Bromomethane	1.0	U		1.0	ug/L	10/04/05	ljc
	Chloroethane	1.0	U		1.0	ug/L	10/04/05	ljc
	Trichlorofluoromethane	1.0	U		1.0	ug/L	10/04/05	ljc
	1,1-Dichloroethene	1.0	U		1.0	ug/L	10/04/05	ljc
	Iodomethane	5.0	U		5.0	ug/L	10/04/05	ljc
	Carbon disulfide	1.0	U		1.0	ug/L	10/04/05	ljc
	Acetone	5.0	U		5.0	ug/L	10/04/05	ljc
	Methylene chloride	0.60	J		1.0	ug/L	10/04/05	ljc
	trans-1,2-Dichloroethene	1.0	U		1.0	ug/L	10/04/05	ljc
	Acrylonitrile	10	U		10	ug/L	10/04/05	ljc
	1,1-Dichloroethane	1.0	U		1.0	ug/L	10/04/05	ljc
	Vinyl acetate	1.0	U		1.0	ug/L	10/04/05	ljc
	cis-1,2-Dichloroethene	1.0	U		1.0	ug/L	10/04/05	ljc
	2-Butanone (MEK)	2.5	U		2.5	ug/L	10/04/05	ljc
	Bromochloromethane	1.0	U		1.0	ug/L	10/04/05	ljc
	Chloroform	1.0	U		1.0	ug/L	10/04/05	ljc
	1,1,1-Trichloroethane	1.0	U		1.0	ug/L	10/04/05	ljc
	Carbon tetrachloride	1.0	U		1.0	ug/L	10/04/05	ljc
	Benzene	1.0	U		1.0	ug/L	10/04/05	ljc
	1,2-Dichloroethane	1.0	U		1.0	ug/L	10/04/05	ljc
	Trichloroethene	1.0	U		1.0	ug/L	10/04/05	ljc
	1,2-Dichloropropane	1.0	U		1.0	ug/L	10/04/05	ljc
	Dibromomethane	1.0	U		1.0	ug/L	10/04/05	ljc
	Bromodichloromethane	1.0	U		1.0	ug/L	10/04/05	ljc
	cis-1,3-Dichloropropene	1.0	U		1.0	ug/L	10/04/05	ljc
	4-Methyl-2-pentanone (MIBK)	2.5	U		2.5	ug/L	10/04/05	ljc
	Toluene	1.0	U		1.0	ug/L	10/04/05	ljc
	trans-1,3-Dichloropropene	1.0	U		1.0	ug/L	10/04/05	ljc
	1,1,2-Trichloroethane	1.0	U		1.0	ug/L	10/04/05	ljc
	Tetrachloroethene	1.0	U		1.0	ug/L	10/04/05	ljc
	2-Hexanone	2.5	U		2.5	ug/L	10/04/05	ljc
	Dibromochloromethane	1.0	U		1.0	ug/L	10/04/05	ljc
	1,2-Dibromoethane (EDB)	1.0	U		1.0	ug/L	10/04/05	ljc
	Chlorobenzene	1.0	U		1.0	ug/L	10/04/05	ljc
	1,1,1,2-Tetrachloroethane	1.0	U		1.0	ug/L	10/04/05	ljc
	Ethylbenzene	1.0	U		1.0	ug/L	10/04/05	ljc
	Styrene	1.0	U		1.0	ug/L	10/04/05	ljc
	Bromoform	1.0	U		1.0	ug/L	10/04/05	ljc
	trans-1,4-Dichloro-2-butene	1.0	U		1.0	ug/L	10/04/05	ljc
	1,1,2,2-Tetrachloroethane	1.0	U		1.0	ug/L	10/04/05	ljc
	1,2,3-Trichloropropane	1.0	U		1.0	ug/L	10/04/05	ljc
	Xylenes (total)	1.0	U		1.0	ug/L	10/04/05	ljc
	1,4-Dichlorobenzene	1.0	U		1.0	ug/L	10/04/05	ljc
	1,2-Dichlorobenzene	1.0	U		1.0	ug/L	10/04/05	ljc
	1,2-Dibromo-3-chloropropane	1.0	U		1.0	ug/L	10/04/05	ljc

* In Description = Dry Wgt.

Page 3

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NYS DOH 10142

NJ DEP 73015

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15 of 39

STL Newburgh
 315 Fullerton Avenue
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 Fax (845) 562-0841

LABORATORY TEST RESULTS

Job Number: 252478

Date: 10/27/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YOR

ATTN: Chrjsten Craig

Customer Sample ID: SW-5
Date Sampled.....: 09/26/2005
Time Sampled.....: 11:01
Sample Matrix.....: Surf. Water

Laboratory Sample ID: 252478-3
Date Received.....: 09/26/2005
Time Received.....: 12:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SWB46 8260B	Volatile Organics							
	Chloromethane	1.0	U		1.0	ug/L	10/04/05	ljc
	Vinyl chloride	1.0	U		1.0	ug/L	10/04/05	ljc
	Bromomethane	1.0	U		1.0	ug/L	10/04/05	ljc
	Chloroethane	1.0	U		1.0	ug/L	10/04/05	ljc
	Trichlorofluoromethane	1.0	U		1.0	ug/L	10/04/05	ljc
	1,1-Dichloroethene	1.0	U		1.0	ug/L	10/04/05	ljc
	Iodomethane	5.0	U		5.0	ug/L	10/04/05	ljc
	Carbon disulfide	1.0	U		1.0	ug/L	10/04/05	ljc
	Acetone	5.0	U		5.0	ug/L	10/04/05	ljc
	Methylene chloride	1.5	U		1.0	ug/L	10/04/05	ljc
	trans-1,2-Dichloroethene	1.0	U		1.0	ug/L	10/04/05	ljc
	Acrylonitrile	10	U		10	ug/L	10/04/05	ljc
	1,1-Dichloroethane	1.0	U		1.0	ug/L	10/04/05	ljc
	Vinyl acetate	1.0	U		1.0	ug/L	10/04/05	ljc
	cis-1,2-Dichloroethene	1.0	U		1.0	ug/L	10/04/05	ljc
	2-Butanone (MEK)	2.5	U		2.5	ug/L	10/04/05	ljc
	Bromochloromethane	1.0	U		1.0	ug/L	10/04/05	ljc
	Chloroform	1.0	U		1.0	ug/L	10/04/05	ljc
	1,1,1-Trichloroethane	1.0	U		1.0	ug/L	10/04/05	ljc
	Carbon tetrachloride	1.0	U		1.0	ug/L	10/04/05	ljc
	Benzene	1.0	U		1.0	ug/L	10/04/05	ljc
	1,2-Dichloroethane	1.0	U		1.0	ug/L	10/04/05	ljc
	Trichloroethene	1.0	U		1.0	ug/L	10/04/05	ljc
	1,2-Dichloropropane	1.0	U		1.0	ug/L	10/04/05	ljc
	Dibromomethane	1.0	U		1.0	ug/L	10/04/05	ljc
	Bromodichloromethane	1.0	U		1.0	ug/L	10/04/05	ljc
	cis-1,3-Dichloropropene	1.0	U		1.0	ug/L	10/04/05	ljc
	4-Methyl-2-pentanone (MIBK)	2.5	U		2.5	ug/L	10/04/05	ljc
	Toluene	1.0	U		1.0	ug/L	10/04/05	ljc
	trans-1,3-Dichloropropene	1.0	U		1.0	ug/L	10/04/05	ljc
	1,1,2-Trichloroethane	1.0	U		1.0	ug/L	10/04/05	ljc
	Tetrachloroethene	1.0	U		1.0	ug/L	10/04/05	ljc
	2-Hexanone	2.5	U		2.5	ug/L	10/04/05	ljc
	Dibromochloromethane	1.0	U		1.0	ug/L	10/04/05	ljc
	1,2-Dibromoethane (EDB)	1.0	U		1.0	ug/L	10/04/05	ljc
	Chlorobenzene	1.0	U		1.0	ug/L	10/04/05	ljc
	1,1,1,2-Tetrachloroethane	1.0	U		1.0	ug/L	10/04/05	ljc
	Ethylbenzene	1.0	U		1.0	ug/L	10/04/05	ljc
	Styrene	1.0	U		1.0	ug/L	10/04/05	ljc
	Bromoform	1.0	U		1.0	ug/L	10/04/05	ljc
	trans-1,4-Dichloro-2-butene	1.0	U		1.0	ug/L	10/04/05	ljc
	1,1,2,2-Tetrachloroethane	1.0	U		1.0	ug/L	10/04/05	ljc
	1,2,3-Trichloropropane	1.0	U		1.0	ug/L	10/04/05	ljc
	Xylenes (total)	1.0	U		1.0	ug/L	10/04/05	ljc
	1,4-Dichlorobenzene	1.0	U		1.0	ug/L	10/04/05	ljc
	1,2-Dichlorobenzene	1.0	U		1.0	ug/L	10/04/05	ljc
	1,2-Dibromo-3-chloropropane	1.0	U		1.0	ug/L	10/04/05	ljc

* In Description = Dry Wgt.

Page 4

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16 of 39

STL Newburgh
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LABORATORY TEST RESULTS

Job Number: 252478

Date: 10/27/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YOR

ATTN: Christen Craig

Customer Sample ID: SW-8
Date Sampled.....: 09/26/2005
Time Sampled.....: 11:26
Sample Matrix.....: Surf. Water

Laboratory Sample ID: 252478-4
Date Received.....: 09/26/2005
Time Received.....: 12:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SW846 8260B	Volatile Organics							
	Chloromethane	1.0	U		1.0	ug/L	10/04/05	ljc
	Vinyl chloride	1.0	U		1.0	ug/L	10/04/05	ljc
	Bromomethane	1.0	U		1.0	ug/L	10/04/05	ljc
	Chloroethane	1.0	U		1.0	ug/L	10/04/05	ljc
	Trichlorofluoromethane	1.0	U		1.0	ug/L	10/04/05	ljc
	1,1-Dichloroethene	1.0	U		1.0	ug/L	10/04/05	ljc
	Iodomethane	5.0	U		5.0	ug/L	10/04/05	ljc
	Carbon disulfide	1.0	U		1.0	ug/L	10/04/05	ljc
	Acetone	5.0	U		5.0	ug/L	10/04/05	ljc
	Methylene chloride	0.86	J		1.0	ug/L	10/04/05	ljc
	trans-1,2-Dichloroethene	1.0	U		1.0	ug/L	10/04/05	ljc
	Acrylonitrile	10	U		10	ug/L	10/04/05	ljc
	1,1-Dichloroethane	1.0	U		1.0	ug/L	10/04/05	ljc
	Vinyl acetate	1.0	U		1.0	ug/L	10/04/05	ljc
	cis-1,2-Dichloroethene	1.0	U		1.0	ug/L	10/04/05	ljc
	2-Butanone (MEK)	2.5	U		2.5	ug/L	10/04/05	ljc
	Bromochloromethane	1.0	U		1.0	ug/L	10/04/05	ljc
	Chloroform	1.0	U		1.0	ug/L	10/04/05	ljc
	1,1,1-Trichloroethane	1.0	U		1.0	ug/L	10/04/05	ljc
	Carbon tetrachloride	1.0	U		1.0	ug/L	10/04/05	ljc
	Benzene	1.0	U		1.0	ug/L	10/04/05	ljc
	1,2-Dichloroethane	1.0	U		1.0	ug/L	10/04/05	ljc
	Trichloroethene	1.0	U		1.0	ug/L	10/04/05	ljc
	1,2-Dichloropropane	1.0	U		1.0	ug/L	10/04/05	ljc
	Dibromomethane	1.0	U		1.0	ug/L	10/04/05	ljc
	Bromodichloromethane	1.0	U		1.0	ug/L	10/04/05	ljc
	cis-1,3-Dichloropropene	1.0	U		1.0	ug/L	10/04/05	ljc
	4-Methyl-2-pentanone (MIBK)	2.5	U		2.5	ug/L	10/04/05	ljc
	Toluene	1.0	U		1.0	ug/L	10/04/05	ljc
	trans-1,3-Dichloropropene	1.0	U		1.0	ug/L	10/04/05	ljc
	1,1,2-Trichloroethane	1.0	U		1.0	ug/L	10/04/05	ljc
	Tetrachloroethene	1.0	U		1.0	ug/L	10/04/05	ljc
	2-Hexanone	2.5	U		2.5	ug/L	10/04/05	ljc
	Dibromochloromethane	1.0	U		1.0	ug/L	10/04/05	ljc
	1,2-Dibromoethane (EDB)	1.0	U		1.0	ug/L	10/04/05	ljc
	Chlorobenzene	1.0	U		1.0	ug/L	10/04/05	ljc
	1,1,1,2-Tetrachloroethane	1.0	U		1.0	ug/L	10/04/05	ljc
	Ethylbenzene	1.0	U		1.0	ug/L	10/04/05	ljc
	Styrene	1.0	U		1.0	ug/L	10/04/05	ljc
	Bromoform	1.0	U		1.0	ug/L	10/04/05	ljc
	trans-1,4-Dichloro-2-butene	1.0	U		1.0	ug/L	10/04/05	ljc
	1,1,2,2-Tetrachloroethane	1.0	U		1.0	ug/L	10/04/05	ljc
	1,2,3-Trichloropropane	1.0	U		1.0	ug/L	10/04/05	ljc
	Xylenes (total)	1.0	U		1.0	ug/L	10/04/05	ljc
	1,4-Dichlorobenzene	1.0	U		1.0	ug/L	10/04/05	ljc
	1,2-Dichlorobenzene	1.0	U		1.0	ug/L	10/04/05	ljc
	1,2-Dibromo-3-chloropropane	1.0	U		1.0	ug/L	10/04/05	ljc

* In Description = Dry Wgt.

Page 5

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17 of 39

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
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LABORATORY TEST RESULTS											
Job Number: 252478			Date: 10/27/2005								
CUSTOMER: C&S Engineers			ATTN: Christen Craig								
Customer Sample ID: SW-13 Date Sampled.....: 09/26/2005 Time Sampled.....: 09:40 Sample Matrix.....: Surf. Water			Laboratory Sample ID: 252478-1 Date Received.....: 09/26/2005 Time Received.....: 12:50								
PROJECT: OCLF, GOSHEN, NEW YORK											
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	BATCH	DT	DATE	TECH
EPA 245.1	Mercury (Hg)	0.16	U	0.16	0.20	1	ug/L	98634		10/05/05	lms
EPA 200.7	Hardness by calculation Hardness, Total as CaCO3	245			2.50	1	mg/L	99871		10/25/05	mad
EPA 200.7	Metals Analysis (ICP)										
	Aluminum (Al)	143	B	10.4	200	1	ug/L	99852		10/24/05	mad
	Antimony (Sb)	8.8	B	4.4	60.0	1	ug/L	99857		10/25/05	mad
	Arsenic (As)	6.4	B	3.1	10.0	1	ug/L	99852		10/24/05	mad
	Barium (Ba)	39.1	B	7.1	200	1	ug/L	99852		10/24/05	mad
	Beryllium (Be)	0.40	U	0.40	5.0	1	ug/L	99852		10/24/05	mad
	Boron (B)	78.1	U	3.7	50.0	1	ug/L	99852		10/24/05	mad
	Cadmium (Cd)	0.80	U	0.80	5.0	1	ug/L	99852		10/24/05	mad
	Calcium (Ca)	60700		58.0	5000	1	ug/L	99852		10/24/05	mad
	Chromium (Cr)	1.3	B	0.90	10.0	1	ug/L	99852		10/24/05	mad
	Cobalt (Co)	1.9	U	1.9	50.0	1	ug/L	99852		10/24/05	mad
	Copper (Cu)	5.3	B	1.2	25.0	1	ug/L	99852		10/24/05	mad
	Iron (Fe)	360		7.7	100	1	ug/L	99852		10/24/05	mad
	Lead (Pb)	1.9	U	1.9	5.0	1	ug/L	99852		10/24/05	mad
	Magnesium (Mg)	22700		16.6	5000	1	ug/L	99852		10/24/05	mad
	Manganese (Mn)	216		2.1	10.0	1	ug/L	99852		10/24/05	mad
	Nickel (Ni)	2.3	U	2.3	40.0	1	ug/L	99852		10/24/05	mad
	Potassium (K)	5220		38.6	5000	1	ug/L	99852		10/24/05	mad
	Selenium (Se)	3.9	U	3.9	10.0	1	ug/L	99852		10/24/05	mad
	Silver (Ag)	1.2	B	1.1	10.0	1	ug/L	99857		10/25/05	mad
	Sodium (Na)	37900		10.6	5000	1	ug/L	99852		10/24/05	mad
	Thallium (Tl)	2.9	U	2.9	10.0	1	ug/L	99852		10/24/05	mad
	Vanadium (V)	2.0	U	2.0	50.0	1	ug/L	99852		10/24/05	mad

18 of 39

18 of 39

* In Description = Dry Wgt.

Page 2

LABORATORY TEST RESULTS		Date: 10/27/2005										
CUSTOMER: C&S Engineers		PROJECT: OCLF, GOSHEN, NEW YOR										
ATTN: Christen Craig												
Job Number: 252478 Customer Sample ID: SW-13 Date Sampled.....: 09/26/2005 Time Sampled.....: 09:40 Sample Matrix.....: Surf. Water		Laboratory Sample ID: 252478-1 Date Received.....: 09/26/2005 Time Received.....: 12:50										
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	IDL	RL	DILUTION	UNITS	BATCH	DT	DATE	TECH
	Zinc (Zn)	6.0	B	*	2.5	20.0	1	ug/L	99852		10/24/05	mad

LABORATORY TEST RESULTS

Job Number: 252478

Date:10/27/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: SN-3

Laboratory Sample ID: 252478-2

Date Sampled.....: 09/26/2005

Date Received.....: 09/26/2005

Time Sampled.....: 10:22

Time Received.....: 12:50

Sample Matrix.....: Surf. Water

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	BATCH	DT	DATE	TECH
EPA 245.1	Mercury (Hg)	0.16	U	0.16	0.20	1	ug/L	98634		10/05/05	lms
EPA 200.7	Hardness by calculation Hardness, Total as CaCO3	257			2.50	1	mg/L	99871		10/25/05	mad
EPA 200.7	Metals Analysis (ICP)										
	Aluminum (Al)	152	B *	10.4	200	1	ug/L	99852		10/24/05	mad
	Antimony (Sb)	4.4	U	4.4	60.0	1	ug/L	99857		10/25/05	mad
	Arsenic (As)	3.1	U	3.1	10.0	1	ug/L	99852		10/24/05	mad
	Barium (Ba)	40.5	B	7.1	200	1	ug/L	99852		10/24/05	mad
	Beryllium (Be)	0.40	U	0.40	5.0	1	ug/L	99852		10/24/05	mad
	Boron (B)	59.8	U	3.7	50.0	1	ug/L	99852		10/24/05	mad
	Cadmium (Cd)	0.80	U	0.80	5.0	1	ug/L	99852		10/24/05	mad
	Calcium (Ca)	64000	B	58.0	5000	1	ug/L	99852		10/24/05	mad
	Chromium (Cr)	1.3	B	0.90	10.0	1	ug/L	99852		10/24/05	mad
	Cobalt (Co)	1.9	U	1.9	50.0	1	ug/L	99852		10/24/05	mad
	Copper (Cu)	3.1	B	1.2	25.0	1	ug/L	99852		10/24/05	mad
	Iron (Fe)	248	U	7.7	100	1	ug/L	99852		10/24/05	mad
	Lead (Pb)	1.9	U	1.9	5.0	1	ug/L	99852		10/24/05	mad
	Magnesium (Mg)	23700	U	16.6	5000	1	ug/L	99852		10/24/05	mad
	Manganese (Mn)	211	U	2.1	10.0	1	ug/L	99852		10/24/05	mad
	Nickel (Ni)	2.3	U	2.3	40.0	1	ug/L	99852		10/24/05	mad
	Potassium (K)	5450	E	38.6	5000	1	ug/L	99852		10/24/05	mad
	Selenium (Se)	3.9	U	3.9	10.0	1	ug/L	99852		10/24/05	mad
	Silver (Ag)	1.1	U	1.1	10.0	1	ug/L	99857		10/25/05	mad
	Sodium (Na)	39800	U	10.6	5000	1	ug/L	99852		10/24/05	mad
	Thallium (Tl)	2.9	U	2.9	10.0	1	ug/L	99852		10/24/05	mad
	Vanadium (V)	2.0	U	2.0	50.0	1	ug/L	99852		10/24/05	mad

20 of 39

20 of 39

* In Description = Dry Wgt.

Page 4

LABORATORY TEST RESULTS		Date: 10/27/2005									
Job Number: 252478		ATTN: Christen Craig									
CUSTOMER: C&S Engineers		PROJECT: OCLF, GOSHEN, NEW YOR									
Customer Sample ID: SW-3 Date Sampled.....: 09/26/2005 Time Sampled.....: 10:22 Sample Matrix.....: Surf. Water		Laboratory Sample ID: 252478-2 Date Received.....: 09/26/2005 Time Received.....: 12:50									
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	BATCH	DT	DATE	TECH
	Zinc (Zn)	5.8	B *	2.5	20.0	1	ug/L	99852		10/24/05	mad

CUSTOMER: C&S Engineers PROJECT: OCLF, GOSHEN, NEW YDR ATTN: Christen Craig

Customer Sample ID: SW-5
Date Sampled.....: 09/26/2005
Time Sampled.....: 11:01
Sample Matrix.....: Surf. Water

Laboratory Sample ID: 252478-3
Date Received.....: 09/26/2005
Time Received.....: 12:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	BATCH	DT	DATE	TECH
EPA 245.1	Mercury (Hg)	0.16	U	0.16	0.20	1	ug/L	98634		10/05/05	lms
EPA 200.7	Hardness by calculation Hardness, Total as CaCO3	240			2.50	1	mg/L	99871		10/25/05	mad
EPA 200.7	Metals Analysis (ICP)										
	Aluminum (Al)	241	*	10.4	200	1	ug/L	99852		10/24/05	mad
	Antimony (Sb)	4.4	N	4.4	60.0	1	ug/L	99857		10/25/05	mad
	Arsenic (As)	3.1	U	3.1	10.0	1	ug/L	99852		10/24/05	mad
	Barium (Ba)	37.7	B	7.1	200	1	ug/L	99852		10/24/05	mad
	Beryllium (Be)	0.40	U	0.40	5.0	1	ug/L	99852		10/24/05	mad
	Boron (B)	52.3	U	3.7	50.0	1	ug/L	99852		10/24/05	mad
	Cadmium (Cd)	0.80	U	0.80	5.0	1	ug/L	99852		10/24/05	mad
	Calcium (Ca)	59800	U	58.0	5000	1	ug/L	99852		10/24/05	mad
	Chromium (Cr)	0.90	U	0.90	10.0	1	ug/L	99852		10/24/05	mad
	Cobalt (Co)	1.9	U	1.9	50.0	1	ug/L	99852		10/24/05	mad
	Copper (Cu)	3.0	B	1.2	25.0	1	ug/L	99852		10/24/05	mad
	Iron (Fe)	285	*	7.7	100	1	ug/L	99852		10/24/05	mad
	Lead (Pb)	1.9	U	1.9	5.0	1	ug/L	99852		10/24/05	mad
	Magnesium (Mg)	22200	U	16.6	5000	1	ug/L	99852		10/24/05	mad
	Manganese (Mn)	211	U	2.1	10.0	1	ug/L	99852		10/24/05	mad
	Nickel (Ni)	2.3	U	2.3	40.0	1	ug/L	99852		10/24/05	mad
	Potassium (K)	4980	B	38.6	5000	1	ug/L	99852		10/24/05	mad
	Selenium (Se)	3.9	U	3.9	10.0	1	ug/L	99852		10/24/05	mad
	Silver (Ag)	2.1	B	1.1	10.0	1	ug/L	99857		10/25/05	mad
	Sodium (Na)	37100	U	10.6	5000	1	ug/L	99852		10/24/05	mad
	Thallium (Tl)	2.9	U	2.9	10.0	1	ug/L	99852		10/24/05	mad
	Vanadium (V)	2.0	U	2.0	50.0	1	ug/L	99852		10/24/05	mad

22 of 39

LABORATORY TEST RESULTS											
Job Number: 252478					Date: 10/27/2005						
CUSTOMER: C&S Engineers					PROJECT: OCLF, GOSHEN, NEW YOR						
ATTN: Christen Craig											
Customer Sample ID: SW-5 Date Sampled.....: 09/26/2005 Time Sampled.....: 11:01 Sample Matrix.....: Surf. Water					Laboratory Sample ID: 252478-3 Date Received.....: 09/26/2005 Time Received.....: 12:50						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q FLAGS	IDL	RL	DILUTION	UNITS	BATCH	DT	DATE	TECH
	Zinc (Zn)	4.4	B *	2.5	20.0	1	ug/L	99852		10/24/05	mad

LABORATORY TEST RESULTS												
Job Number: 252478						Date:10/27/2005						
CUSTOMER: C&S Engineers						ATTN: Christen Craig						
Customer Sample ID: SW-8 Date Sampled.....: 09/26/2005 Time Sampled.....: 11:26 Sample Matrix.....: Surf. Water						Laboratory Sample ID: 252478-4 Date Received.....: 09/26/2005 Time Received.....: 12:50						
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	IDL	RL	DILUTION	UNITS	BATCH	DT	DATE	TECH
EPA 245.1	Mercury (Hg)	0.16	U		0.16	0.20	1	ug/L	98634		10/05/05	lms
EPA 200.7	Hardness by calculation Hardness, Total as CaCO3	238				2.50	1	mg/L	99871		10/25/05	mad
EPA 200.7	Metals Analysis (ICP)											
	Aluminum (Al)	396	B	*	10.4	200	1	ug/L	99852		10/24/05	mad
	Antimony (Sb)	6.3	U	N	4.4	60.0	1	ug/L	99857		10/25/05	mad
	Arsenic (As)	3.1	U		3.1	10.0	1	ug/L	99852		10/24/05	mad
	Barium (Ba)	36.8	B		7.1	200	1	ug/L	99852		10/24/05	mad
	Beryllium (Be)	0.40	U		0.40	5.0	1	ug/L	99852		10/24/05	mad
	Boron (B)	50.2	U		3.7	50.0	1	ug/L	99852		10/24/05	mad
	Cadmium (Cd)	0.80	U		0.80	5.0	1	ug/L	99852		10/24/05	mad
	Calcium (Ca)	59200	U		58.0	5000	1	ug/L	99852		10/24/05	mad
	Chromium (Cr)	1.1	B		0.90	10.0	1	ug/L	99852		10/24/05	mad
	Cobalt (Co)	1.9	U		1.9	50.0	1	ug/L	99852		10/24/05	mad
	Copper (Cu)	2.1	B		1.2	25.0	1	ug/L	99852		10/24/05	mad
	Iron (Fe)	196	U	*	7.7	100	1	ug/L	99852		10/24/05	mad
	Lead (Pb)	1.9	U		1.9	5.0	1	ug/L	99852		10/24/05	mad
	Magnesium (Mg)	22000	U		16.6	5000	1	ug/L	99852		10/24/05	mad
	Manganese (Mn)	191	U		2.1	10.0	1	ug/L	99852		10/24/05	mad
	Nickel (Ni)	2.3	U		2.3	40.0	1	ug/L	99852		10/24/05	mad
	Potassium (K)	4920	B	E	38.6	5000	1	ug/L	99852		10/24/05	mad
	Selenium (Se)	3.9	U	N	3.9	10.0	1	ug/L	99852		10/24/05	mad
	Silver (Ag)	1.5	U		1.1	10.0	1	ug/L	99857		10/25/05	mad
	Sodium (Na)	37200	B		10.6	5000	1	ug/L	99852		10/24/05	mad
	Thallium (Tl)	2.9	U		2.9	10.0	1	ug/L	99852		10/24/05	mad
	Vanadium (V)	2.0	U		2.0	50.0	1	ug/L	99852		10/24/05	mad

24 of 39

24 of 39

* In Description = Dry Wgt.

Page 8

Job Number: 252478

LABORATORY TEST RESULTS

Date: 10/27/2005

CUSTOMER: C&S Engineers

PROJECT: QCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: SW-8

Date Sampled.....: 09/26/2005

Time Sampled.....: 11:26

Sample Matrix.....: Surf. Water

Laboratory Sample ID: 252478-4

Date Received.....: 09/26/2005

Time Received.....: 12:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	IDL	RL	DILUTION	UNITS	BATCH	DT	DATE	TECH
	Zinc (Zn)	34.5		*	2.5	20.0	1	ug/L	99852		10/24/05	mad

25 of 39

* In Description = Dry Wgt.

Page 9

LABORATORY TEST RESULTS

Job Number: 252478

Date: 10/25/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: SW-13
Date Sampled.....: 09/26/2005
Time Sampled.....: 09:40
Sample Matrix.....: Surf. Water

Laboratory Sample ID: 252478-1
Date Received.....: 09/26/2005
Time Received.....: 12:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.1	Solids, Total Dissolved (TDS)	446			5.0	mg/L	10/03/05	lms
SM18 2120B	Color	750			2.5	Pt/Co	09/26/05	vvm
SM18 2320B	Alkalinity, Total as CaCO3	187			5.00	mg/L	10/03/05	vvm
SM18 3500CrD	Hexavalent Chromium	0.010	U		0.010	mg/L	06/27/05	bg
SM18 4500Cl	Chloride	82			5.0	mg/L	10/05/05	md
SM18 4500CNE	Cyanide, Total	0.0100	U		0.0100	mg/L	09/28/05	bg
SM18 4500NH3E	Ammonia (NH3), as N	1.00	U		1.00	mg/L	10/14/05	vvm
SM18 5210B	Biochemical Oxygen Demand (BOD5)	4.00	U		4.00	mg/L	09/28/05	vvm
HACH 8000	Chemical Oxygen Demand (COD)	14.5			10.0	mg/L	09/29/05	bg
LAC 11107041A	Nitrate + Nitrite as N	1.15			0.200	mg/L	10/11/05	vvm
LAC 10210001A	Phenolics, Total Recoverable	0.0100	U		0.0100	mg/L	10/19/05	vvm
LAC 10107062D	Nitrogen, Total Kjeldahl as N (TKN)	1.00	U		1.00	mg/L	10/04/05	vvm
EPA 300.0	Ion Chromatography Analysis							
	Bromide	1.00	U	N	1.00	mg/L	09/26/05	bg
	Sulfate	38.8			10.0	mg/L	09/26/05	bg
SM18 5310C	Total Organic Carbon (TOC)	5.75			1.00	mg/L	10/04/05	mad
	Organic Carbon, Total (TOC)							

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Page 2

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26 of 39

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LABORATORY TEST RESULTS

Job Number: 252478

Date: 10/25/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YOR

ATTN: Christen Craig

Customer Sample ID: SW-3
Date Sampled.....: 09/26/2005
Time Sampled.....: 10:22
Sample Matrix.....: Surf. Water

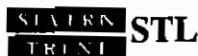
Laboratory Sample ID: 252478-2
Date Received.....: 09/26/2005
Time Received.....: 12:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.1	Solids, Total Dissolved (TDS)	446			5.0	mg/L	10/03/05	lms
SM18 2120B	Color	500			2.5	Pt/Co	09/26/05	vvm
SM18 2320B	Alkalinity, Total as CaCO3	188			5.00	mg/L	10/03/05	vvm
SM18 3500CrD	Hexavalent Chromium	0.010	U		0.010	mg/L	06/27/05	bg
SM18 4500Cl	Chloride	81			5.0	mg/L	10/05/05	md
SM18 4500CNE	Cyanide, Total	0.0100	U		0.0100	mg/L	09/28/05	bg
SM18 4500NH3E	Ammonia (NH3), as N	1.00	U		1.00	mg/L	10/14/05	vvm
SM18 5210B	Biochemical Oxygen Demand (BOD5)	4.00	U		4.00	mg/L	09/28/05	vvm
HACH 8000	Chemical Oxygen Demand (COD)	14.5			10.0	mg/L	09/29/05	bg
LAC 11107041A	Nitrate + Nitrite as N	1.01			0.200	mg/L	10/11/05	vvm
LAC 10210001A	Phenolics, Total Recoverable	0.0100	U		0.0100	mg/L	10/19/05	vvm
LAC 10107062D	Nitrogen, Total Kjeldahl as N (TKN)	1.00	U		1.00	mg/L	10/04/05	vvm
EPA 300.0	Ion Chromatography Analysis							
	Bromide	1.00	U	N	1.00	mg/L	09/26/05	bg
	Sulfate	38.5			10.0	mg/L	09/26/05	bg
SM18 5310C	Total Organic Carbon (TOC)							
	Organic Carbon, Total (TOC)	5.90			1.00	mg/L	10/04/05	mad

* In Description = Dry Wgt.

Page 3

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27 of 39

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LABORATORY TEST RESULTS

Job Number: 252478

Date: 10/25/2005

CUSTOMER: C&S Engineers

PROJECT: OCLF, GOSHEN, NEW YORK

ATTN: Christen Craig

Customer Sample ID: SW-5
Date Sampled.....: 09/26/2005
Time Sampled.....: 11:01
Sample Matrix.....: Surf. Water

Laboratory Sample ID: 252478-3
Date Received.....: 09/26/2005
Time Received.....: 12:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.1	Solids, Total Dissolved (TDS)	446			5.0	mg/L	10/03/05	lms
SM18 2120B	Color	750			2.5	Pt/Co	09/26/05	vvm
SM18 2320B	Alkalinity, Total as CaCO3	193			5.00	mg/L	10/03/05	vvm
SM18 3500CrD	Hexavalent Chromium	0.010	U		0.010	mg/L	06/27/05	bg
SM18 4500Cl	Chloride	79			5.0	mg/L	10/05/05	md
SM18 4500CNE	Cyanide, Total	0.0100	U		0.0100	mg/L	09/28/05	bg
SM18 4500NH3E	Ammonia (NH3), as N	1.00	U		1.00	mg/L	10/14/05	vvm
SM18 5210B	Biochemical Oxygen Demand (BOD5)	4.00	U		4.00	mg/L	09/28/05	vvm
HACH 8000	Chemical Oxygen Demand (COD)	14.5			10.0	mg/L	09/29/05	bg
LAC 11107041A	Nitrate + Nitrite as N	0.946			0.200	mg/L	10/11/05	vvm
LAC 10210001A	Phenolics, Total Recoverable	0.0100	U		0.0100	mg/L	10/19/05	vvm
LAC 10107062D	Nitrogen, Total Kjeldahl as N (TKN)	1.00	U		1.00	mg/L	10/04/05	vvm
EPA 300.0	Ion Chromatography Analysis							
	Bromide	1.00	U	N	1.00	mg/L	09/26/05	bg
	Sulfate	39.1			10.0	mg/L	09/26/05	bg
SM18 5310C	Total Organic Carbon (TOC)							
	Organic Carbon, Total (TOC)	5.57			1.00	mg/L	10/04/05	mad

* In Description = Dry Wgt.

Page 4

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28 of 39

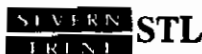
STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

LABORATORY TEST RESULTS								
Job Number: 252478		Date: 10/25/2005						
CUSTOMER: C&S Engineers		PROJECT: OCLF, GOSHEN, NEW YORK						
ATTN: Christen Craig								
Customer Sample ID: SW-8		Laboratory Sample ID: 252478-4						
Date Sampled.....: 09/26/2005		Date Received.....: 09/26/2005						
Time Sampled.....: 11:26		Time Received.....: 12:50						
Sample Matrix.....: Surf. Water								
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.1	Solids, Total Dissolved (TDS)	428			5.0	mg/L	10/03/05	lms
SM18 2120B	Color	500			2.5	Pt/Co	09/26/05	vvm
SM18 2320B	Alkalinity, Total as CaCO3	189			5.00	mg/L	10/03/05	vvm
SM18 3500CrD	Hexavalent Chromium	0.010	U		0.010	mg/L	06/27/05	bg
SM18 4500Cl	Chloride	80			5.0	mg/L	10/05/05	md
SM18 4500CNE	Cyanide, Total	0.0100	U		0.0100	mg/L	09/28/05	bg
SM18 4500NH3E	Ammonia (NH3), as N	1.00	U		1.00	mg/L	10/14/05	vvm
SM18 5210B	Biochemical Oxygen Demand (BOD5)	4.00	U		4.00	mg/L	09/28/05	vvm
HACH 8000	Chemical Oxygen Demand (COD)	14.5			10.0	mg/L	09/29/05	bg
LAC 11107041A	Nitrate + Nitrite as N	0.934			0.200	mg/L	10/11/05	vvm
LAC 10210001A	Phenolics, Total Recoverable	0.0100	U		0.0100	mg/L	10/19/05	vvm
LAC 10107062D	Nitrogen, Total Kjeldahl as N (TKN)	1.00	U		1.00	mg/L	10/04/05	vvm
EPA 300.0	Ion Chromatography Analysis							
	Bromide	1.00	U	N	1.00	mg/L	09/26/05	bg
	Sulfate	38.4			10.0	mg/L	09/26/05	bg
SM18 5310C	Total Organic Carbon (TOC)							
	Organic Carbon, Total (TOC)	6.16			1.00	mg/L	10/04/05	mad

* In Description = Dry Wgt.

Page 5

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29 of 39

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315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

U. S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

SW-13S

Lab Name: STL Newburgh

Contract: _____

Lab Code: 10142 Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): Water

Level (low/med): _____

% Solids for Sample: _____

Concentration Units (ug/L or mg/Kg dry weight): ug/L

Analyte	Control Limit %R	Spike Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Aluminum	75-125	2493.2026	143.4141 B	2000.00	117.5		P
Antimony	75-125	65.8266	8.8067 B	100.00	57.0	N	P
Arsenic	75-125	47.0638	6.3840 B	40.00	101.7		P
Barium	75-125	2148.8217	39.0617 B	2000.00	105.5		P
Beryllium	75-125	49.4761	0.4000 U	50.00	99.0		P
Boron	75-125	1044.1960	78.1185	1000.00	96.6		P
Cadmium	75-125	52.9242	0.8000 U	50.00	105.8		P
Calcium							NR
Chromium	75-125	211.5752	1.3224 B	200.00	105.1		P
Cobalt	75-125	510.3600	1.9000 U	500.00	102.1		P
Copper	75-125	239.6754	5.3114 B	250.00	93.7		P
Iron	75-125	1603.2677	359.6269	1000.00	124.4		P
Lead	75-125	17.7597	1.9000 U	20.00	88.8		P
Magnesium							NR
Manganese	75-125	734.0529	216.1303	500.00	103.6		P
Nickel	75-125	510.1757	2.3000 U	500.00	102.0		P
Potassium							NR
Selenium	75-125	3.9000 U	3.9000 U	10.00	0.0	N	P
Silver	75-125	39.5034	1.1689 B	50.00	76.7		P
Sodium							NR
Thallium	75-125	48.8984	2.9000 U	50.00	97.8		P
Vanadium	75-125	507.8254	2.0000 U	500.00	101.6		P
Zinc	75-125	537.8274	5.9736 B	500.00	106.4		P

Comments:

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STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

EPA SAMPLE NO.

ZZZZZMS.

Lab Name: STL Newburgh

Contract: _____

Lab Code: 10142 Case No.:

SAS No. : _____

SDG No. : _____

Matrix (soil/water): Water

Level (low/med): _____

% Solids for Sample: _____

Concentration Units (ug/L or mg/Kg dry weight): ug/L

[illegible]

Comments:

U. S. EPA - CLP

5B
POST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

SW-13

Lab Name: Severn Trent Laboratories

Contract: _____

Lab Code: 10142 Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): Surf. W

Level (low/med): _____

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR) C	Sample Result (SR) C	Spike Added (SA)	%R	Q	M
Aluminum							NR
Antimony	50-150	97.50	8.81	120.0	73.9		P
Arsenic							NR
Barium							NR
Beryllium							NR
Boron							NR
Cadmium							NR
Calcium							NR
Chromium							NR
Cobalt							NR
Copper							NR
Iron							NR
Lead							NR
Magnesium							NR
Manganese							NR
Nickel							NR
Potassium							NR
Selenium	50-150	15.00	3.90	20.0	75.0		P
Silver							NR
Sodium							NR
Thallium							NR
Vanadium							NR
Zinc							NR

Comments:

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Newburgh, NY 12550
Tel (845) 562-0860
Fax (845) 562-0841

U. S. EPA - CLP

6
DUPLICATES

EPA SAMPLE NO.

SW-13D

Lab Name: STL Newburgh

Contract: _____

Lab Code: 10142

Case No.: _____

SAS No.: _____

SDG No.: _____

Matrix (soil/water): Water

Level (low/med): _____

% Solids for Sample: _____

% Solids for Duplicate: _____

Concentration Units (ug/L or mg/Kg dry weight): ug/L

Analyte	Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum	200.0	143.4141	B	436.0903	—	101.0	*	P
Antimony		8.8067	B	4.4000	U	200.0	—	P
Arsenic		6.3840	B	3.1000	U	200.0	—	P
Barium		39.0617	B	39.3881	B	0.8	—	P
Beryllium		0.4000	U	0.4000	U		—	P
Boron	50.0	78.1185	—	62.8107	—	21.7	—	P
Cadmium		0.8000	U	0.8000	U		—	P
Calcium		60736.3049	—	58412.0050	—	3.9	—	P
Chromium		1.3224	B	1.6119	B	19.7	—	P
Cobalt		1.9000	U	1.9000	U		—	P
Copper		5.3114	B	3.9471	B	29.5	—	P
Iron	100.0	359.6269	—	647.5296	—	57.2	*	P
Lead		1.9000	U	1.9000	U		—	P
Magnesium	5000.0	22730.7200	—	21875.4640	—	3.8	—	P
Manganese		216.1303	—	213.0782	—	1.4	—	P
Nickel		2.3000	U	2.3000	U		—	P
Potassium	5000.0	5217.7182	—	5049.6685	—	3.3	—	P
Selenium		3.9000	U	3.9000	U		—	P
Silver		1.1689	B	1.1000	U	200.0	—	P
Sodium		37893.8876	—	36694.8511	—	3.2	—	P
Thallium		2.9000	U	2.9000	U		—	P
Vanadium		2.0000	U	2.0000	U		—	P
Zinc	20.0	5.9736	B	28.6078	—	130.9	*	P
			—		—		—	
			—		—		—	
			—		—		—	
			—		—		—	

FORM VI - IN

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NYS DOH 10142

NJ DEP 73015

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M-NY049

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315 Fullerton Avenue
Newburgh, NY 12560
Tel (845) 562-0890
Fax (845) 562-0841

6
DUPLICATES

EPA SAMPLE NO.

Lab Name: STL Newburgh

Contract: _____

ZZZZMDc

Lab Code: 10142 Case No.: _____

SAS No. : _____

SDG No. : _____

Matrix (soil/water): Water

Level (low/med): _____

% Solids for Sample: _____

% Solids for Duplicate: _____

Concentration Units (ug/L or mg/Kg dry weight): ug/L

[illegible]

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34 of 39

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Newburgh, NY 12550
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SEVERN
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NYSDOH 10142

NJDEP 73015

CTDOMS PH-0654

EPA NY049

PA 60-378

11-11-19

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 582-0890
Fax (845) 582-0841

Job Number.: 252478		QUALITY CONTROL RESULTS				Report Date.: 10/25/2005	
CUSTOMER: C&S Engineers		PROJECT: OCLF, GOSHEN, NEW YOR				ATTN: Christen Craig	

Test Method.....: SM18 2320B	Batch.....: 99829	Analyst....: vvm
Method Description.: Alkalinity	Units.....: mg/L	Test Code.: ALK
Parameter.....: Alkalinity, Total as CaCO3		

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MD	252513-2		150.58				150.08	0.3	8-8		10/03/2005	1204
MS	252513-2	W05ALKSPK1	184.04			25	150.08	135.8	60-139		10/03/2005	1211

Test Method.....: SM18 4500NH3E	Batch.....: 99830	Analyst....: vvm
Method Description.: Nitrogen, Ammonia (Distillation)	Units.....: mg/L	Test Code.: NH3
Parameter.....: Ammonia (NH3), as N		

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MD	252478-3		0				0	0.0	20-20		10/14/2005	1550

Test Method.....: EPA 300.0	Batch.....: 99833	Analyst....: bg
Method Description.: Ion Chromatography Analysis	Units.....: mg/L	Test Code.: BRO
Parameter.....: Bromide		

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MD	252478-1		0				0	0.0	20-20		09/26/2005	2038
MS	252478-1	W05ICSPK01	1.24			1.0	0	124.0	80-120	N	09/26/2005	2045

Test Method.....	SM18 5210B	Batch.....	99832	Analyst....	vvm
Method Description..	Biochemical Oxygen Demand (BOD/CBOD)	Units.....	mg/L	Test Code..	CBOD
Parameter.....	Carbonaceous, BOD				

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MD	252505-2		11.0				10.7	2.8	20-20		09/28/2005	1416

Test Method.....: HACH 8000	Batch.....: 99834	Analyst....: bg
Method Description.: Chemical Oxygen Demand (HACH)	Units.....: mg/L	Test Code.: COD
Parameter.....: Chemical Oxygen Demand (COD)		

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MS	252513-8	W02CODSPKL	53.1			50	0	106.2	58-133		09/29/2005	1030
MD	252513-8		0				0	0.0	10-10		09/29/2005	1030

Test Method.....	SM18 4500Cl	Batch.....	99836	Analyst....	md
Method Description..	Chloride	Units.....	mg/L	Test Code..	CHL
Parameter.....	Chloride				

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MS	252457-5	W04CLSPK02	33.2663			25.0	9.7842	93.9	74-126		10/05/2005	0215
MD	252457-5		9.7842				9.7842	0.0	19-19		10/05/2005	0215

Page 10
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37 of 39

STL Newburgh
315 Fulton Avenue
Newburgh, NY 12550
Tel (845) 562-0880
Fax (845) 562-0841

Job Number.: 252478			QUALITY CONTROL RESULTS				Report Date.: 10/25/2005		
CUSTOMER: C&S Engineers			PROJECT: OCLF, GOSHEN, NEW YOR				ATTN: Christen Craig		

Test Method.....: SM18 3500CrD	Batch.....: 98172	Analyst....: bg
Method Description.: Hexavalent Chromium	Units.....: mg/L	Test Code.: CR6
Parameter.....: Hexavalent Chromium		

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MD	252478-4		0				0	0.0	15-15		06/27/2005	0930
MS	252478-4	W04SPKCR62	.016			0.02000	0	80.0	72-133		06/27/2005	0930

Test Method.....: LAC 11107041A	Batch.....: 99837	Analyst....: vvm
Method Description.: Nitrate-Nitrite	Units.....: mg/L	Test Code.: N03N02
Parameter.....: Nitrate + Nitrite as N		

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MD	252478-4		0.900				0.934	3.7	14-14		10/11/2005	1135
MS	252478-4	W04N03SPK1	4.77			4.0	0.934	95.9	76-118		10/11/2005	1136

Test Method.....: LAC 10107062D	Batch.....: 99563	Analyst....: vvm
Method Description.: Nitrogen, Total Kjeldahl	Units.....: mg/L	Test Code.: TKN
Parameter.....: Nitrogen, Total Kjeldahl as N (TKN)		

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MD	252411-7		1.03				1.17	12.7	20-20		10/04/2005	1605
MS	252411-7	W04TKNSPK1	3.25			2.000	1.17	104.0	50-150		10/04/2005	1606

Test Method.....: SM18 5310C	Batch.....: 99838	Analyst...: mad
Method Description.: Total Organic Carbon (TOC)	Units.....: mg/L	Test Code.: TOC
Parameter.....: Organic Carbon, Total (TOC)		

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MD	252513-8		0				0	0.0	20-20		10/04/2005	1156
MS	252513-8	W02TOCSPK1	19.177			20.0	0	95.9	75-125		10/04/2005	1156

Test Method.....: LAC 10210001A	Batch.....: 99839	Analyst....: vvm
Method Description.: Phenolics, Total Recoverable	Units.....: mg/L	Test Code.: PHENTR
Parameter.....: Phenolics, Total Recoverable		

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MD	252478-4		0				0	0.0	15-15		10/19/2005	1532
MS	252478-4	W02PHESPK1	0.0316			0.030	0	105.3	69-142		10/19/2005	1533

Test Method.....: EPA 160.1	Batch.....: 99840	Analyst....: lms
Method Description.: Solids, Total Dissolved (TDS)	Units.....: mg/L	Test Code.: TDS
Parameter.....: Solids, Total Dissolved (TDS)		

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MD	252513-8		158				154	2.6	15-15		10/03/2005	1330

Page 11
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38 of 39

STL Newburgh
315 Fullerton Avenue
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Fax (845) 562-0841

Job Number.: 252478			QUALITY CONTROL RESULTS			Report Date.: 10/25/2005		
CUSTOMER: C&S Engineers			PROJECT: OCLF, GOSHEN, NEW YOR			ATTN: Christen Craig		

Test Method.....: EPA 300.0	Batch.....: 99833	Analyst....: bg
Method Description.: Ion Chromatography Analysis	Units.....: mg/L	Test Code.: S04
Parameter.....: Sulfate		

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MD	252478-1		19.54				19.38	0.8	20-20		09/26/2005	2053
MS	252478-1	W051CSPK01	30.24			10.0	19.38	108.6	80-120		09/26/2005	2100

APPENDIX B

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



SEVERN
TRENT

STL

CHAIN OF CUSTODY

315 Fullerton Avenue
Newburgh, NY 12550
TEL (845) 562-0890
FAX (845) 562-0841

STL Newburgh

CUSTOMER NAME C+S Engineers	
ADDRESS 499 Col. Eileen Collins Blvd	
CITY, STATE, ZIP Syracuse NY 13212	
NAME OF CONTACT Syracuse NY	PHONE NO. 315-455-2000
PROJECT LOCATION Orange Co Landfill	
PROJECT NUMBER/PONO.	

REPORT TYPE	
STANDARD ☐ ISRA ☐	☐ NORMAL
NJ REG ☐	☐ QUICK
NYASP A ☐ B ☐ CLP ☐	☐ VERBAL
OTHER _____	

TURNAROUND	
☐ NORMAL	☐ QUICK
☐ VERBAL	

REPORT # (Lab Use Only) 249239	
SAMPLE TEMP 8	C
SAMPLE REC'D ON ICE Y	N
PH CHECK Y	N
CHLORINE (RESIDUAL) Y	N
REVIEWED BY: _____	
NY PUBLIC WATER SUPPLIES	
SOURCE ID	
ELRP TYPE	
FEDERAL ID	

Matrix
DW = DRINKING WATER S = SOIL O = OIL
WW = WASTE WATER SL = SLUDGE GW = GROUND WATER

NOTE: SAMPLE TEMPERATURE UPON
RECEIPT MUST BE 4° ± 2°C.

STL #	SAMPLING DATE	TIME	AM	PM	COMP	GRAB	MATRIX	CLIENT I.D.	ANALYSIS REQUESTED									
6-21-05	211PM							MW 304VS	O	X	X	X	X	X	X	X	X	NO Sample / NOT ENOUGH WATER
1	216PM						GW	MW 304S	11	3	1	1	1	1	1	1	1	PT 360-211616 Baseline
2	134PM							MW 304D	11	3	1	1	1	1	1	1	1	
3	2106PM							MW 234D	11	3	1	1	1	1	1	1	1	
4	221PM							MW 234S	11	3	1	1	1	1	1	1	1	
5	2110PM							MW 233S	11	3	1	1	1	1	1	1	1	
6	10:58AM							MW 222	11	3	1	1	1	1	1	1	1	
7	1234P							MW 230S	11	3	1	1	1	1	1	1	1	
8	1250PM							MW 230D	11	3	1	1	1	1	1	1	1	
9	1119PM							MW 232S	11	3	1	1	1	1	1	1	1	
10	923PM							MW 245S	11	3	1	1	1	1	1	1	1	
11	945PM							MW 245D	11	3	1	1	1	1	1	1	1	

SAMPLES SUBMITTED FOR ANALYSIS WILL BE SUBJECTED TO THE STL TERMS AND CONDITIONS OF SALE (SHORT FORM) UNLESS ALTERNATE TERMS ARE AGREED IN WRITING.

RELINQUISHED BY	DATE	TIME	COMPANY	RECEIVED BY	DATE	TIME	COMPANY
SAMPLED BY	DATE	TIME	COMPANY	RECEIVED BY	DATE	TIME	COMPANY
RELINQUISHED BY	DATE	TIME	COMPANY	RECEIVED BY	DATE	TIME	COMPANY

COMMENTS



STL 2/2

CHAIN OF CUSTODY

315 Fullerton Avenue
Newburgh, NY 12550
TEL (845) 562-0890
FAX (845) 562-0841

STL Member 60

CUSTOMER NAME C+S ENGINEERS	
ADDRESS 499 Col. Eileen Collins Blvd	
CITY, STATE, ZIP Syracuse NY 13212	PHONE NO. 315-455-2000
NAME OF CONTACT ORANGE CO LABOR 11	
PROJECT LOCATION ORANGE CO LABOR 11	
PROJECT NUMBER / PO NO.	

REPORT TYPE STANDARD ☐ ISRA ☐ NJ REG ☐ NYASP A ☐ B ☐ CLP ☐ OTHER _____	TURNAROUND ☐ NORMAL ☐ QUICK ☐ VERBAL	REPORT # (Lab Use Only) 249239 60
Matrix DW = DRINKING WATER S = SOIL O = OIL WW = WASTE WATER SL = SLUDGE GW = GROUND WATER		SAMPLE TEMP. _____ SAMPLE REC'D ON ICE Y ☒ N _____ pH CHECK Y ☐ N _____ CHLORINE (RESIDUAL) Y _____ N _____ REVIEWED BY: _____
NY PUBLIC WATER SUPPLIES SOURCE ID _____ ELRP TYPE _____ FEDERAL ID _____		

NOTE: SAMPLE TEMPERATURE UPON RECEIPT MUST BE 4° ± 2°C.

STL #	SAMPLING DATE	TIME	AM	PM	MATRIX	CLIENT I.D.	ANALYSIS REQUESTED
12	6-21-05	10:27 AM			GW	MW-220	PT360-2, 11(d) 6 Baseline
13	6-21-05	1:46 PM			GW	MW-3B	↓ 1
14						TRIP Blank 22	TRIP Blank
15							
16							
17							
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81							
82							

13 of 82

SAMPLES SUBMITTED FOR ANALYSIS WILL BE SUBJECT TO THE STL TERMS AND CONDITIONS OF SALE (SHORT FORM) UNLESS ALTERNATE TERMS ARE AGREED IN WRITING.

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
SAMPLED BY	STL	6-21-05	2:30 PM	RECEIVED BY	STL	6-21-05	3:50
RELINQUISHED BY	STL	6-21-05	3:00 PM	RECEIVED BY	STL	6-21-05	TIME

COMMENTS

**315 Fullerton Avenue
Newburgh, NY 12550
TEL (845) 562-0890
FAX (845) 562-0841**

CUSTOMER NAME	CTS ENGINEERS
ADDRESS	499 Col Edgar Blvd
CITY, STATE, ZIP	Syracuse NY 13212
NAME OF CONTACT	
PHONE NO.	
PROJECT LOCATION	
PROJECT NUMBER / PO NO.	Orange Co bond fill

REPORT TYPE	TURNAROUND
STANDARD ☐ ISRA ☐	☐ NORMAL _____
NJ REG ☐	☐ QUICK _____
NYASP A ☐ B ☐ CLP ☐	☐ VERBAL _____
OTHER _____	

REPORT # (Lab Use Only)

249837 95

SAMPLE TEMP _____
SAMPLE REC'D ON ICE Y N
PH CHECK Y N
CHLORINE (RESIDUAL) Y N
REVIEWED BY _____

NY PUBLIC WATER SUPPLIES

SOURCE ID _____
ELRP TYPE _____
FEDERAL ID _____

Matrix
DW = DRINKING WATER S = SOIL O = OIL
WW = WASTE WATER SL = SLUDGE GW = GROUND WATER

NOTE: SAMPLE TEMPERATURE UPON RECEIPT MUST BE 4° ± 2°C.

NOTE: SAMPLE TEMPERATURE UPON RECEIPT MUST BE 4° ± 2° C.

ELRP TYPE _____

FEDERAL ID _____

STL #

SAMPLING DATE

TIME

COMP

MATRIX

CLIENT I.D.

Total Number of Containers	40ml Glass HCL	Liter Amber HCL	250ml Amber Sulfuric	Liter Amber Organic Washed	250ml Plastic Nitric Acid	250ml Plastic Sodium Hydroxide	Liter Plastic	750ml Sulfuric Acid	250ml Plastic	125ml Plastic Sterile	8 oz Soil	2 oz Corpak	250ml Plastic NaOH / Zn Ac
103			1	2	1	2	1	1					
103			1	2	1	2	1	1					
93			1	1	1	2	1	1					

ANALYSIS REQUESTED

PT 360 BASELINE + DISSOLVED METALS

" " " " " "

PT 360 BASELINE

SAMPLES SUBMITTED FOR ANALYSIS WILL BE SUBJECTED TO THE STL TERMS AND CONDITIONS OF SALE (SHORT FORM) UNLESS ALTERNATE TERMS ARE AGREED IN WRITING.

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
SAMPLED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

COMMENTS



SEVERN
TRENT

CHAIN OF CUSTODY

315 Fullerton Avenue
Newburgh, NY 12550
TEL (845) 562-0890
FAX (845) 562-0841

CUSTOMER NAME C+S ENGINEERS

ADDRESS 499 Col Eileen Blvd

CITY, STATE, ZIP Syracuse NY 13212

NAME OF CONTACT _____ PHONE NO. _____

PROJECT LOCATION Orangetown

PROJECT NUMBER / PO NO. 1000011

REPORT TYPE
STANDARD ☐ ISRA ☐
NJ REG ☐
NYASP A ☐ B ☐ CLP ☐
OTHER _____

TURNAROUND
☐ NORMAL
☐ QUICK
☐ VERBAL

REPORT # (Lab Use Only)
249300

SAMPLE TEMP. 80 C
SAMPLE REC'D ON ICE Y N
pH CHECK Y N
CHLORINE (RESIDUAL) Y N
REVIEWED BY: _____

NY PUBLIC WATER SUPPLIES
SOURCE ID _____
ELRP TYPE _____
FEDERAL ID _____

Matrix
DW = DRINKING WATER S = SOIL O = OIL
WW = WASTE WATER SL = SLUDGE GW = GROUND WATER

NOTE: SAMPLE TEMPERATURE UPON
RECEIPT MUST BE 4° ± 2°C.

NOTE: SAMPLE TEMPERATURE UPON RECEIPT MUST BE 4° ± 2°C.																			
STL #	SAMPLING DATE	TIME	COMP	MATRIX	CLIENT I.D.	Total Number of Containers	40m Glass HCL	Liter Amber HCL	250ml Amber Sulfuric	Liter Amber Organic Washed	250ml Plastic Nitric Acid	250ml Plastic Sodium Hydroxide	Liter Plastic Sulfuric Acid	250ml Plastic Distilled Water	125ml Plastic Sterile	8 oz Soil	2 oz Corpak	250ml Plastic NaOH / Zn AcC	
1	6/22/05	12:06P	Y	GW	MW-303D	103			1	2	1	2	1	2	1				
2			Y		MS	103			1	2	1	2	1	2	1				
3			Y		MSD	103			1	2	1	2	1	2	1				
4		12:41P	Y		MW303S	103			1	2	1	2	1	2	1				
5		1:4P	Y		MW207D	103			1	2	1	2	1	2	1				
6		1:34P	Y		Dwp	103			1	2	1	2	1	2	1				
7		1:31P	Y		MW207SA	103			1	2	1	2	1	2	1				
8		1:02A	Y		MW223S	103			1	2	1	2	1	2	1				
9		11:31A	Y		MW223D	103			1	2	1	2	1	2	1				
10		12:20P	Y		MW221D	103			1	2	1	2	1	2	1				
11		12:39P	Y		MW221S	103			1	2	1	2	1	2	1				

PT 360 Baseline

SAMPLES SUBMITTED FOR ANALYSIS WILL BE SUBJECT TO THE STL TERMS AND CONDITIONS OF SALE (SHORT FORM) UNLESS ALTERNATE TERMS ARE AGREED IN WRITING.

RELINQUISHED BY [Signature] COMPANY STL DATE 6/22/05 TIME 1:31 PM

SAMPLED BY [Signature] COMPANY STL DATE 6/22/05 TIME 2:50

RELINQUISHED BY [Signature] COMPANY STL DATE 6/22/05 TIME 2:50 PM



CHAIN OF CUSTODY

315 Fullerton Avenue
Newburgh, NY 12550
TEL (845) 562 0890
FAX (845) 562-0841

STL Form 101

CUSTOMER NAME
CTS Engineers

ADDRESS
499 Col Eileen Blvd

CITY, STATE, ZIP
Syracuse N.Y 13212

NAME OF CONTACT
ORANGE CO Janofill

PROJECT LOCATION
ORANGE CO Janofill

PROJECT NUMBER / PO NO.
13212

PHONE NO

REPORT TYPE

STANDARD ☐ ISRA ☐

NJ REG ☐

NYASP A ☐ B ☐ CLP ☐

OTHER ☐

TURNAROUND

☐ NORMAL

☐ QUICK

☐ VERBAL

Matrix

DW = DRINKING WATER S = SOIL O = OIL

WW = WASTE WATER SL = SLUDGE GW = GROUND WATER

NOTE: SAMPLE TEMPERATURE UPON RECEIPT MUST BE $4 \pm 2^{\circ}\text{C}$.

REPORT # (Lab Use Only)

SAMPLE TEMP

SAMPLE NO

ANALYSIS REQUESTED

NY PUBLIC WATER SUPPLIES

SOURCE ID

ELRP TYPE

FEDERAL ID

STL #	SAMPLING DATE	TIME	MATRIX	CLIENT I.D.	ANALYSIS REQUESTED
6-23-05				MW-2355	CANNOT LOCATE WELL AT THAT LOCATION BEST OVER
				MW-2350	" CANNOT LOCATE WELL
				SW-3	
				SW-5	CANNOT ACCESS SITE OVERGROWING BRACKS AND VEGETATION
				SW-8	
				MN-15	DRY NO SAMPLE

SAMPLES SUBMITTED FOR ANALYSIS WILL BE SUBJECT TO THE STL TERMS AND CONDITIONS OF SALE (SHORT FORM) UNLESS ALTERNATE TERMS ARE AGREED IN WRITING.

RELINQUISHED BY	DATE	TIME	COMPANY	RECEIVED BY	DATE	TIME	COMPANY
SAMPLED BY				RECEIVED BY			
RELINQUISHED BY				RECEIVED BY			

COMMENTS

GROUNDWATER SAMPLING RECORD

OCLF

Time	Temp	pH	Turb	Etc	Spec Cond	Time	Date
Initial: 15.3	7.97		6.3	116	495	11:55 AM	6-21-05
3 Volume: 17.8	8.28		8.4	110	474	2:06 PM	6-21-05

VOLUME OF WATER REMOVED

10.8 GAL
32.7 ± 0.5 volume
20 GAL EVAC

Purged day? yes

no

yes

Free product NO
Other NO
Other NO

Time	Temp	pH	Turb	Etc	Spec Cond	Time	Date
Initial: 18.6	8.04		7.7	118	544	12:18 PM	6-21-05
3 Volume: 17.0	7.87		8.2	123	513	2:21 PM	6-21-05

VOLUME OF WATER REMOVED

4.2 GAL
12.6 ± 0.5 volume
13 GAL EVAC

Purged day? yes

no

yes

Free product NO
Other NO
Other NO

Time	Temp	pH	Turb	Etc	Spec Cond	Time	Date
Initial: 18.6	8.04		7.7	118	544	12:18 PM	6-21-05
3 Volume: 17.0	7.87		8.2	123	513	2:21 PM	6-21-05

VOLUME OF WATER REMOVED

4.2 GAL
12.6 ± 0.5 volume
13 GAL EVAC

Purged day? yes

no

yes

Free product NO
Other NO
Other NO

Time	Temp	pH	Turb	Etc	Spec Cond	Time	Date
Initial: 18.6	8.04		7.7	118	544	12:18 PM	6-21-05
3 Volume: 17.0	7.87		8.2	123	513	2:21 PM	6-21-05

VOLUME OF WATER REMOVED

1.3 GAL
3.9 ± 0.5 volume

Purged day? yes

no

yes

NO SCREEN NO OBSERV

10.6 WL-110

Method

Submersible

19

GROUNDWATER SAMPLING RECORD

(066F)

DATE: 09/20/05 TIME: 12:30 PM DATE: 6-21-05

LOCATION: DE/EL/LR

WELL: 3043 DATE: 6-21-05

WELL TYPE: DE/EL/LR

WELL DEPTH: 10'

WELL STATUS: NO Sample Not Enough water

WELL TYPE: DE/EL/LR

WELL DEPTH: 10'

WELL STATUS: NO Sample Not Enough water

VOLUME OF WATER REMOVED

WELL: 3043 DATE: 6-21-05

WELL TYPE: DE/EL/LR

WELL DEPTH: 10'

WELL STATUS: NO Sample Not Enough water

WELL: 3043 DATE: 6-21-05

WELL TYPE: DE/EL/LR

WELL DEPTH: 10'

WELL STATUS: NO Sample Not Enough water

WELL: 3043 DATE: 6-21-05

WELL TYPE: DE/EL/LR

WELL DEPTH: 10'

WELL STATUS: NO Sample Not Enough water

WELL METHOD:

WELL: 3043 DATE: 6-21-05

WELL TYPE: DE/EL/LR

WELL DEPTH: 10'

WELL STATUS: NO Sample Not Enough water

WELL: 3043 DATE: 6-21-05

WELL TYPE: DE/EL/LR

WELL DEPTH: 10'

WELL STATUS: NO Sample Not Enough water

WELL: 3043 DATE: 6-21-05

WELL TYPE: DE/EL/LR

WELL DEPTH: 10'

WELL STATUS: NO Sample Not Enough water

WELL: 3043 DATE: 6-21-05

WELL TYPE: DE/EL/LR

WELL DEPTH: 10'

WELL STATUS: NO Sample Not Enough water

WELL METHOD:

WELL: 3043 DATE: 6-21-05

WELL TYPE: DE/EL/LR

WELL DEPTH: 10'

WELL STATUS: NO Sample Not Enough water

WELL: 3043 DATE: 6-21-05

WELL TYPE: DE/EL/LR

WELL DEPTH: 10'

WELL STATUS: NO Sample Not Enough water

WELL: 3043 DATE: 6-21-05

WELL TYPE: DE/EL/LR

WELL DEPTH: 10'

WELL STATUS: NO Sample Not Enough water

WELL: 3043 DATE: 6-21-05

WELL TYPE: DE/EL/LR

WELL DEPTH: 10'

WELL STATUS: NO Sample Not Enough water

WELL METHOD:

WELL: 3043 DATE: 6-21-05

WELL TYPE: DE/EL/LR

WELL DEPTH: 10'

WELL STATUS: NO Sample Not Enough water

WELL: 3043 DATE: 6-21-05

WELL TYPE: DE/EL/LR

WELL DEPTH: 10'

WELL STATUS: NO Sample Not Enough water

WELL: 3043 DATE: 6-21-05

WELL TYPE: DE/EL/LR

WELL DEPTH: 10'

WELL STATUS: NO Sample Not Enough water

OCLB

GROUNDWATER SAMPLING RECORD

Initiat	Temp	pH	Turb	Etc	Spec Cond	Time	Date
3 Volume	14.9	7.0	548	OR 43	OR	12:20 PM	9/26/05
	17.6	7.8	25.8	-6	OR	2:45 PM	9/26/05

PUMP METHOD:

Boiler ☒ Submersible

VOLUME OF WATER REMOVED
2.4 GAL ☒ yes ☒ no
Pumped dry? ☒ yes ☒ no

Free product: NO
Solvent: NO
Odor: NO

pts of Well (from top of casing): 213
pts of water level (from top of casing): 16.3
pts of water level (from top of casing): 16.8

Initiat	Temp	pH	Turb	Etc	Spec Cond	Time	Date
3 Volume	17.3	8.8	426	OR 62	OR	4:10 PM	9/26/05

PUMP METHOD:

Boiler ☒ Submersible

VOLUME OF WATER REMOVED
GAL ☒ yes ☒ no
Pumped dry? ☒ yes ☒ no

Free product: N/A
Solvent: N/A
Odor: N/A

pts of Well (from top of casing):
pts of water level (from top of casing):
pts of water level (from top of casing):

Initiat	Temp	pH	Turb	Etc	Spec Cond	Time	Date
3 Volume							

PUMP METHOD:

Boiler ☒ Submersible

VOLUME OF WATER REMOVED
GAL ☒ yes ☒ no
Pumped dry? ☒ yes ☒ no

Free product:
Solvent:
Odor:

pts of Well (from top of casing):
pts of water level (from top of casing):
pts of water level (from top of casing):

Initiat	Temp	pH	Turb	Etc	Spec Cond	Time	Date
3 Volume							

PUMP METHOD:

Boiler ☒ Submersible

VOLUME OF WATER REMOVED
GAL ☒ yes ☒ no
Pumped dry? ☒ yes ☒ no

Free product:

pts of Well (from top of casing):
pts of water level (from top of casing):

GROUNDWATER SAMPLING RECORD

WETTER (500/40) / Humid

ORANGE CO. 47

ID: 2455 0.16

DATE: 07/15/02

Time	Temp	pH	Turb	EC	Spec Cond	Time	Date
16:40	8.5	8.5	1.50	81	708	7:08A	6/21/05
3 Volume	13.6	8.03	33	96	721	9:23A	6/21/05

TESTING METHOD:

Boiler

☒ Submersible

VOLUME OF WATER REMOVED

236 GAL

Free product NO

Shaded NO

Other NO

☒ yes

☐ no

Pumped dry? ☐ yes

☒ no

at or below (from top of casing): 47

at or below (from top of casing): 22.1

for level before sampling (from top of casing): 34

109 824

Time	Temp	pH	Turb	EC	Spec Cond	Time	Date
15:10	7.98	7.98	37	92	750	7:50AM	6/21/05
3 Volume	12.3	3.62	93	135	887	9:45AM	6/21/05

TESTING METHOD:

Boiler

☒ Submersible

VOLUME OF WATER REMOVED

756 GAL

Free product NO

Shaded NO

Other NO

☒ yes

☐ no

Pumped dry? ☐ yes

☒ no

at or below (from top of casing): 81

at or below (from top of casing): 35.2

for level before sampling (from top of casing): 36.1

Time	Temp	pH	Turb	EC	Spec Cond	Time	Date
14:10	7.23	7.23	39	164	999	8:14 AM	6/21/05
3 Volume	16.5	3.30	81	153	1060	10:27 AM	6/21/05

TESTING METHOD:

Boiler

☒ Submersible

VOLUME OF WATER REMOVED

15 GAL

Free product NO

Shaded NO

Other NO

☒ yes

☐ no

Pumped dry? ☐ yes

☒ no

at or below (from top of casing): 29.6

at or below (from top of casing): 20.2

for level before sampling (from top of casing): 21.4

Time	Temp	pH	Turb	EC	Spec Cond	Time	Date
14:10	7.09	7.09	60	163	1359	8:29 AM	6/21/05
3 Volume	15.1	7.13	310	165	1568	11:30 AM	6/21/05

TESTING METHOD:

Boiler

☒ Submersible

VOLUME OF WATER REMOVED

0.3 GAL

Free product NO

Shaded NO

Other NO

☒ yes

☐ no

Pumped dry? ☒ yes

☐ no

at or below (from top of casing): 131.6

at or below (from top of casing): 55-29.9

Time	Temp	pH	Turb	EC	Spec Cond	Time	Date
14:10	7.09	7.09	60	163	1359	8:29 AM	6/21/05
3 Volume	15.1	7.13	310	165	1568	11:30 AM	6/21/05

☒ yes

☐ no

Pumped dry? ☒ yes

☐ no

at or below (from top of casing): 131.6

at or below (from top of casing): 55-29.9

Time	Temp	pH	Turb	EC	Spec Cond	Time	Date
14:10	7.09	7.09	60	163	1359	8:29 AM	6/21/05
3 Volume	15.1	7.13	310	165	1568	11:30 AM	6/21/05

☒ yes

☐ no

Pumped dry? ☒ yes

☐ no

at or below (from top of casing): 131.6

at or below (from top of casing): 55-29.9

Time	Temp	pH	Turb	EC	Spec Cond	Time	Date
14:10	7.09	7.09	60	163	1359	8:29 AM	6/21/05
3 Volume	15.1	7.13	310	165	1568	11:30 AM	6/21/05

☒ yes

☐ no

Pumped dry? ☒ yes

☐ no

at or below (from top of casing): 131.6

at or below (from top of casing): 55-29.9

Time	Temp	pH	Turb	EC	Spec Cond	Time	Date
14:10	7.09	7.09	60	163	1359	8:29 AM	6/21/05
3 Volume	15.1	7.13	310	165	1568	11:30 AM	6/21/05

☒ yes

☐ no

Pumped dry? ☒ yes

☐ no

UCLF

GROUNDWATER SAMPLING RECORD

2323
DE/EL/LR

Temp	pH	Turb	Etc	Spec Cond	Time	Date
16.4°	8.19	61	104	686	8:50 AM	6-21-05
14.7°	7.83	42	111	702	10:58 AM	6-21-05

ING METHOD: ☒ Baller ☒ Submersible
VOLUME OF WATER REMOVED: 1.2 GAL ☒ yes ☒ no Pumped dry? ☒ yes ☒ no

of Well (from top of casing): 26
if water level (from top of casing): 12.9
level before sampling (from top of casing): 18.4

2305
DE/EL/LR

Temp	pH	Turb	Etc	Spec Cond	Time	Date
15.8°	7.47	21	109	675	9:22 AM	6-21-05
14.9°	7.50	37	96	708	12:34 PM	6-21-05

ING METHOD: ☒ Baller ☒ Submersible
VOLUME OF WATER REMOVED: 8.6 GAL ☒ yes ☒ no Pumped dry? ☒ yes ☒ no

of Well (from top of casing): 67
if water level (from top of casing): 13
level before sampling (from top of casing): 14.6

2300
DE/EL/LR

Temp	pH	Turb	Etc	Spec Cond	Time	Date
16.0°	8.02	14	82	642	10:06 AM	6-21-05
14.1°	7.73	29	93	723	12:50 PM	6-21-05

ING METHOD: ☒ Baller ☒ Submersible
VOLUME OF WATER REMOVED: 17.6 GAL ☒ yes ☒ no Pumped dry? ☒ yes ☒ no

of Well (from top of casing): 125
if water level (from top of casing): 14.8
level before sampling (from top of casing): 20.7

2323
DE/EL/LR

Temp	pH	Turb	Etc	Spec Cond	Time	Date
15.8°	7.36	36	133	1206	11:14 AM	6-21-05
15.2°	7.39	58	139	1183	11:19 PM	6-21-05

ING METHOD: ☒ Baller ☒ Submersible
VOLUME OF WATER REMOVED: 1.5 GAL ☒ yes ☒ no Pumped dry? ☒ yes ☒ no

of Well (from top of casing): 20
if water level (from top of casing): 10.6
level before sampling (from top of casing): 11

845
567.93

GROUNDWATER SAMPLING RECORD

Temp	pH	Turb	Etc	Spec Cond	Time	Date
16.2°C	8.0	1.8	10.9	6.84		6-23-05
14.9°C	7.86	2.6	12.2	6.92	12:06 PM	6-23-05

LOG NO METHOD:

Bottle

Submersible

8.4 GAL

VOLUME OF WATER REMOVED

25.2 ± 0.8 volume

Pumped dry? yes

no

Date: 6-23-05

in of Well (from top of casing): 24
 in of water level (from top of casing): 21
 in level before sampling (from top of casing): 21.4

Temp	pH	Turb	Etc	Spec Cond	Time	Date
17.4°C	7.55	3.1	8.2	9.04		6-23-05
17.2°C	7.48	5.3	9.3	9.33	12:41 PM	6-23-05

LOG NO METHOD:

Bottle

Submersible

1.5 GAL

VOLUME OF WATER REMOVED

4.5 ± 0.8 volume

Pumped dry? yes

no

Date: 6-23-05

in of Well (from top of casing): 27
 in of water level (from top of casing): 17.3
 in level before sampling (from top of casing): 18.6

Temp	pH	Turb	Etc	Spec Cond	Time	Date
16.7°C	7.66	1.2	14.1	8.07		6-23-05
14.8°C	7.49	2.9	12.5	8.23	1:14 PM	6-23-05

LOG NO METHOD:

Bottle

Submersible

9.7 GAL

VOLUME OF WATER REMOVED

29.1 ± 0.8 volume

Pumped dry? yes

no

Date: 6-23-05

in of Well (from top of casing): 87
 in of water level (from top of casing): 26
 in level before sampling (from top of casing): 28.3

Temp	pH	Turb	Etc	Spec Cond	Time	Date
17.8°C	7.90	3.0	9.3	8.36		6-23-05
14.8°C	7.73	5.8	12.5	7.39	1:31 PM	6-23-05

LOG NO METHOD:

Bottle

Submersible

1.1 GAL

VOLUME OF WATER REMOVED

5.3 ± 0.8 volume

Pumped dry? yes

no

Date: 6-23-05

in of Well (from top of casing): 18.4
 in of water level (from top of casing): 11.3
 in level before sampling (from top of casing): 11.9

GROUNDWATER SAMPLING RECORD

Time	Lat	Long	Time	Date
19:00	30.03	70	11:02A	6-23-05
3 Volume	18.6	7.98	5.33	6-23-05

10 METHOD:

Bailer

Submersible

1.5 GAL

VOLUME OF WATER REMOVED

X yes

no

Pumped dry? yes

X no

RWEL (from top of casing): 103

Water level (from top of casing): 22.7

and before sampling (from top of casing): 11.2

Free product NO

Shore NO

Other NO

Time	Lat	Long	Time	Date
17:30	30.03	70	11:31A	6-23-05
3 Volume	16.9	7.48	6.91	6-23-05

10 METHOD:

Bailer

Submersible

12.1 R

VOLUME OF WATER REMOVED

yes

no

Pumped dry? yes

no

RWEL (from top of casing): 103

Water level (from top of casing): 22.7

and before sampling (from top of casing): 22.8

Free product NO

Shore NO

Other NO

Time	Lat	Long	Time	Date
18:20	30.03	70	12:39P	6-23-05
3 Volume	17.8	7.93	5.14	6-23-05

10 METHOD:

Bailer

Submersible

3.5 EL

VOLUME OF WATER REMOVED

yes

no

Pumped dry? yes

X no

RWEL (from top of casing): 38

Water level (from top of casing): 16.1

and before sampling (from top of casing): 16.9

Free product NO

Shore NO

Other NO

Time	Lat	Long	Time	Date
16:00	30.03	70	12:20P	6-23-05
3 Volume	15.5	7.53	7.46	6-23-05

10 METHOD:

Bailer

Submersible

5.2 GAL

VOLUME OF WATER REMOVED

yes

no

Pumped dry? yes

X no

RWEL (from top of casing): 51

Water level (from top of casing): 18.3

and before sampling (from top of casing): 19.4

Free product NO

Shore NO

Other NO

GROUNDWATER SAMPLING RECORD

Temp	pH	Turb	Etc	Spec Cond	Time	Date
17.4	7.60	47	124	648	9:52 A	6-23-05

NO METHOD:

Boiler

Submersible

VOLUME OF WATER REMOVED

1.5 GAL

Free product NO

Shim NO

Odr NO

Purged dry? yes

Date 6-23-05

Well (from top of casing): 21.4

Water level (from top of casing): 11.6

and before sampling (from top of casing):

Temp	pH	Turb	Etc	Spec Cond	Time	Date
16.6	7.83	50	106	509	11:52 A	6-23-05

NO METHOD:

Boiler

Submersible

VOLUME OF WATER REMOVED

1.5 GAL

Free product NO

Shim NO

Odr NO

Purged dry? yes

Date 6-23-05

Well (from top of casing): 19.8

Water level (from top of casing): 10.4

and before sampling (from top of casing):

Temp	pH	Turb	Etc	Spec Cond	Time	Date
17.4	7.90	36	124	563	10:49 A	6-23-05

NO METHOD:

Boiler

Submersible

VOLUME OF WATER REMOVED

GAL

Free product NO

Shim NO

Odr NO

Purged dry? yes

Date 6-23-05

Well (from top of casing): 19.8

Water level (from top of casing): 10.4

and before sampling (from top of casing):

Temp	pH	Turb	Etc	Spec Cond	Time	Date

NO METHOD:

Boiler

Submersible

VOLUME OF WATER REMOVED

GAL

Free product NO

Shim NO

Odr NO

Purged dry? yes

Date 6-23-05

Well (from top of casing):

Water level (from top of casing):

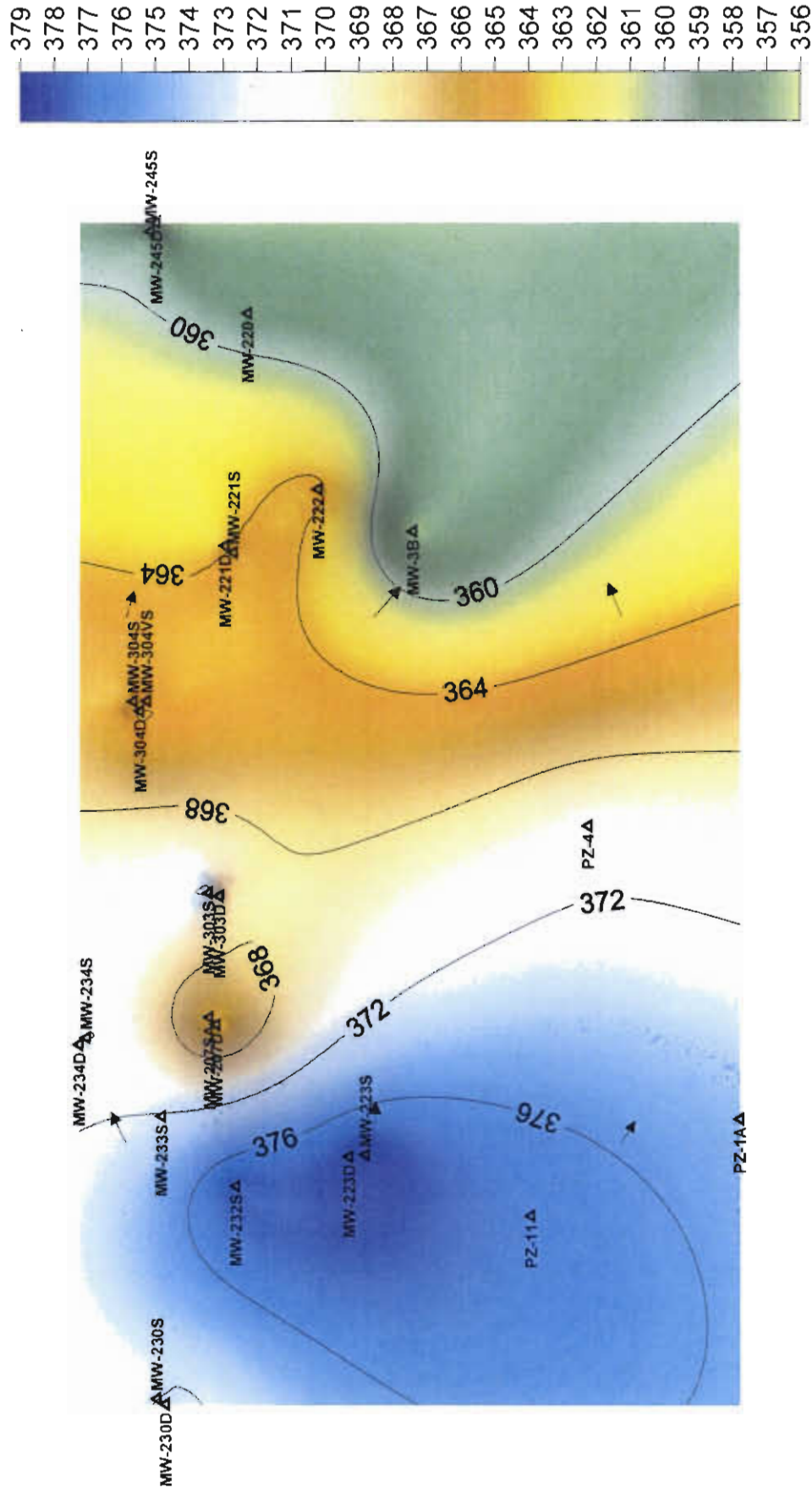
and before sampling (from top of casing):

APPENDIX C

GROUNDWATER CONTOUR MAP

Orange County Landfill Goshen, New York

Groundwater Contour Map June 2005

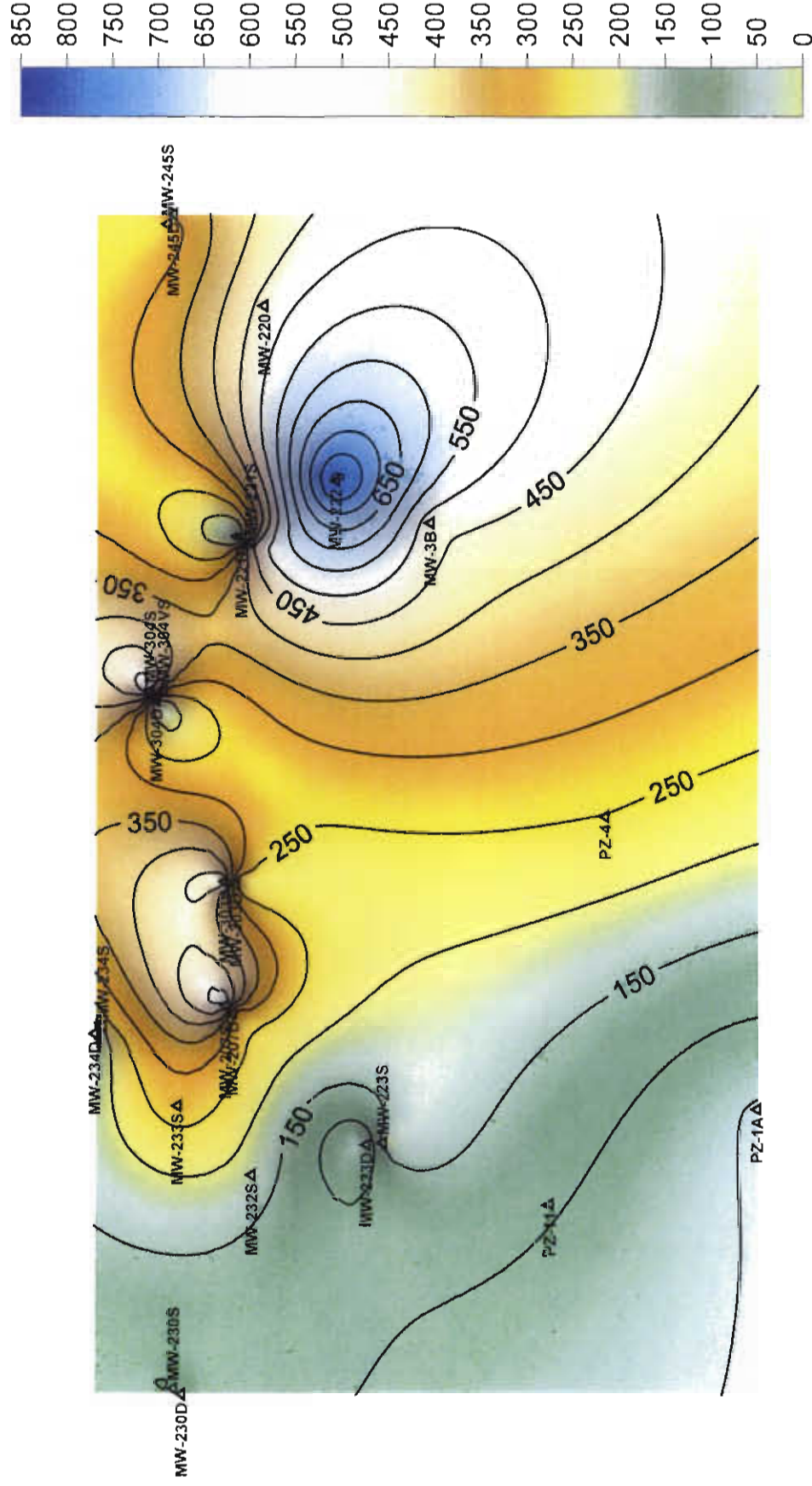


APPENDIX D

ISOPLETH CONCENTRATION MAPS

Orange County Landfill Goshen, New York

Alkalinity Isopleth Map June 2005



450 Concentration Contour Line

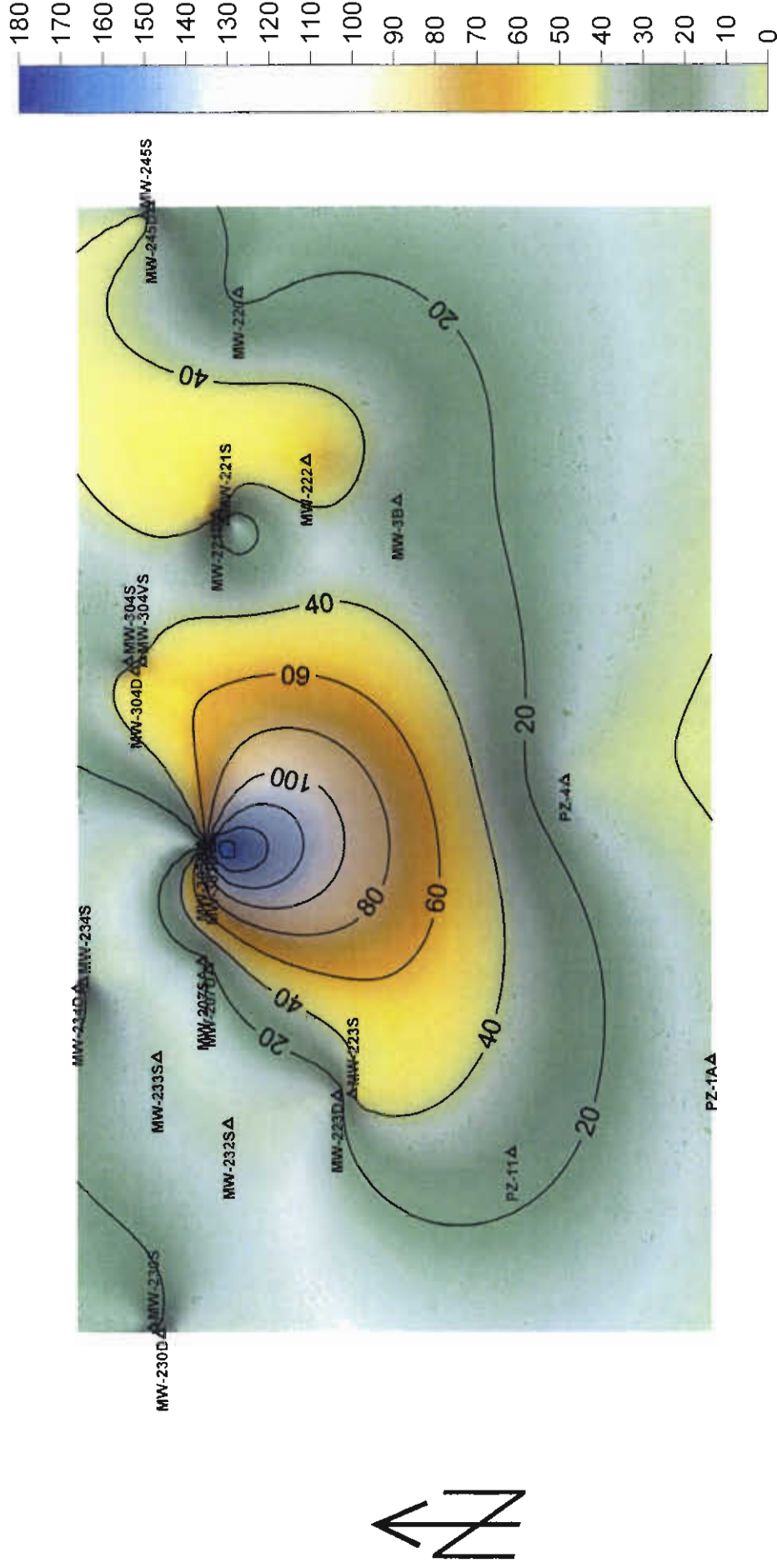
△ MW-304VS Monitoring Well Location

Note: Values reported as < method detection limit are inputted = to method detection limits

Note: Values reported as < method detection limit are inputted = to method detection limits

Orange County Landfill Goshen, New York

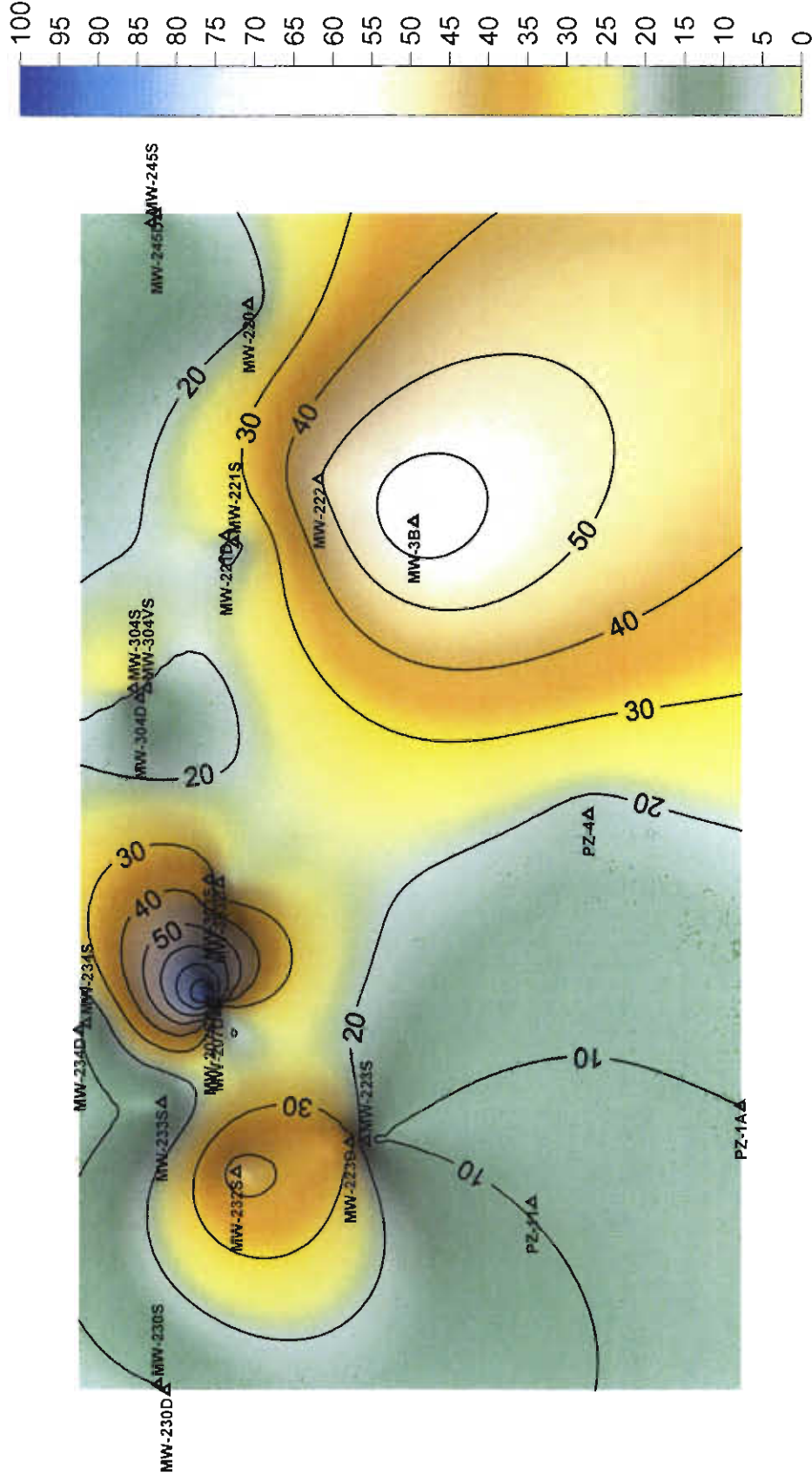
Chloride Isopleth Map June 2005



Note: Values reported as < method detection limit are inputted = to method detection limits

Orange County Landfill Goshen, New York

COD Isopleth Map June 2005



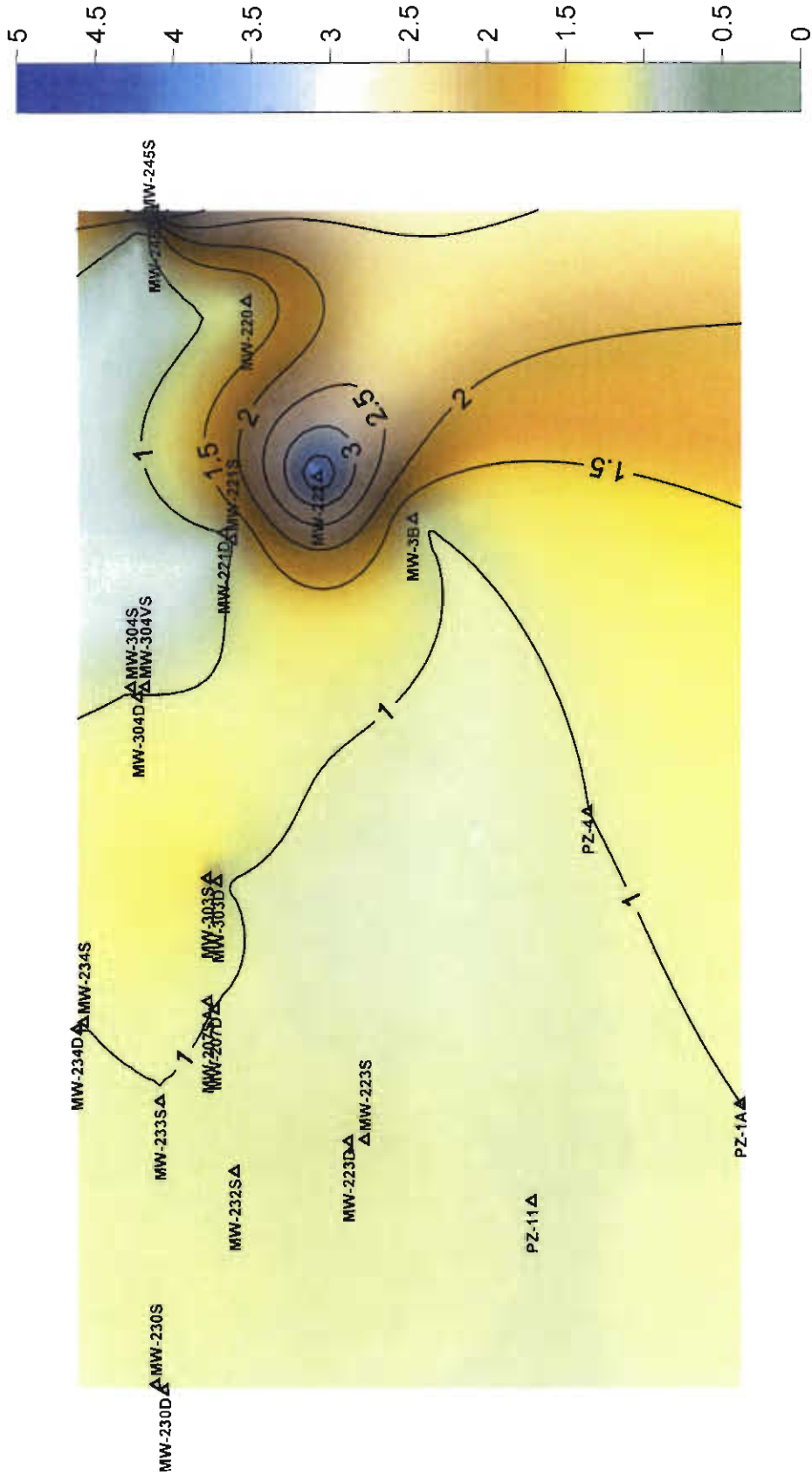
Concentration Contour Line

△ MW-304VS Monitoring Well Location

Note: Values reported as < method detection limit are inputted = to method detection limits

Orange County Landfill Goshen, New York

TKN Isopleth Map June 2005



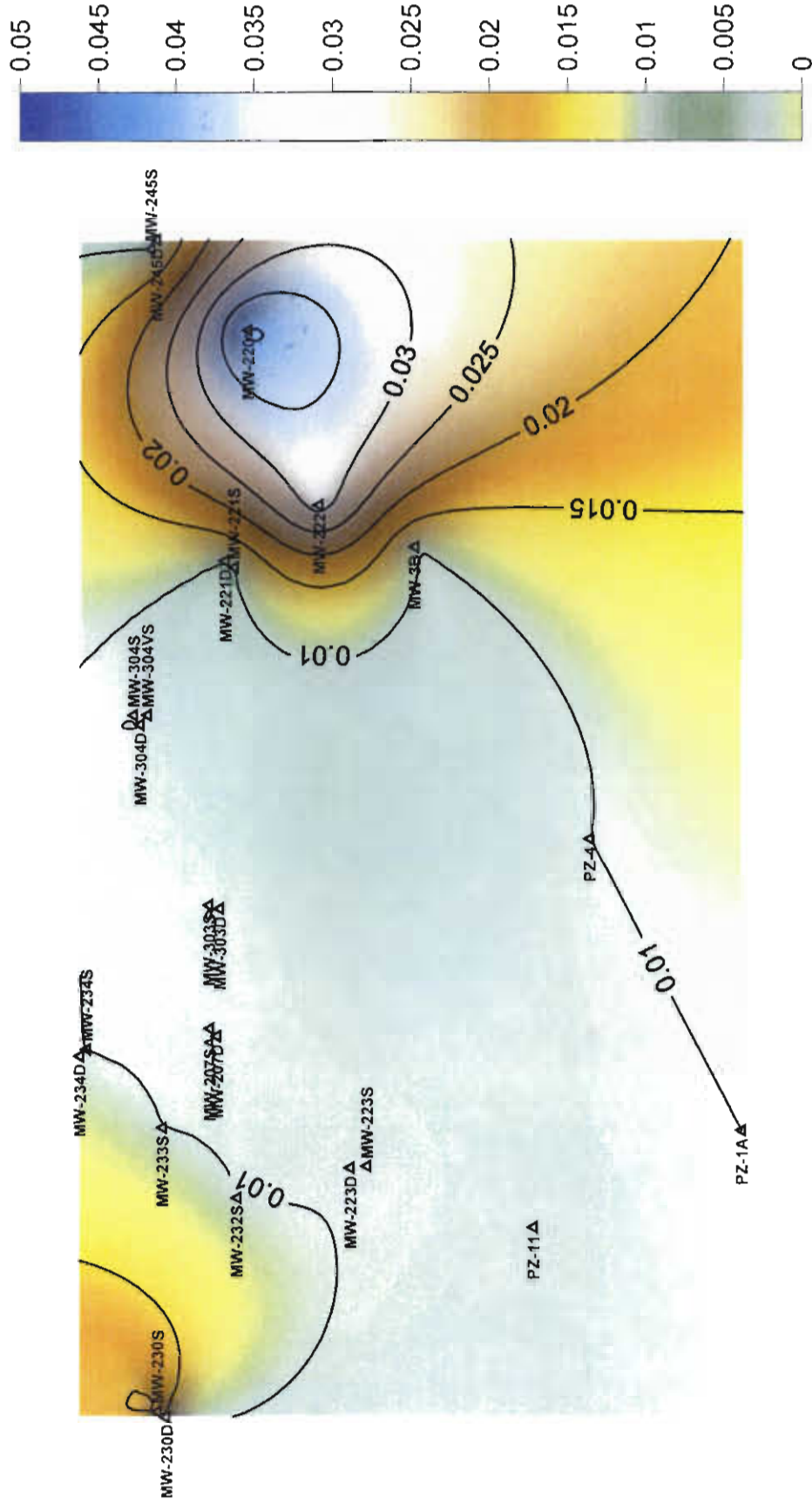
Concentration Contour Line

Monitoring Well Location

Note: Values reported as < method detection limit are inputted = to method detection limits

Orange County Landfill Goshen, New York

Phenolics Isopleth Map June 2005



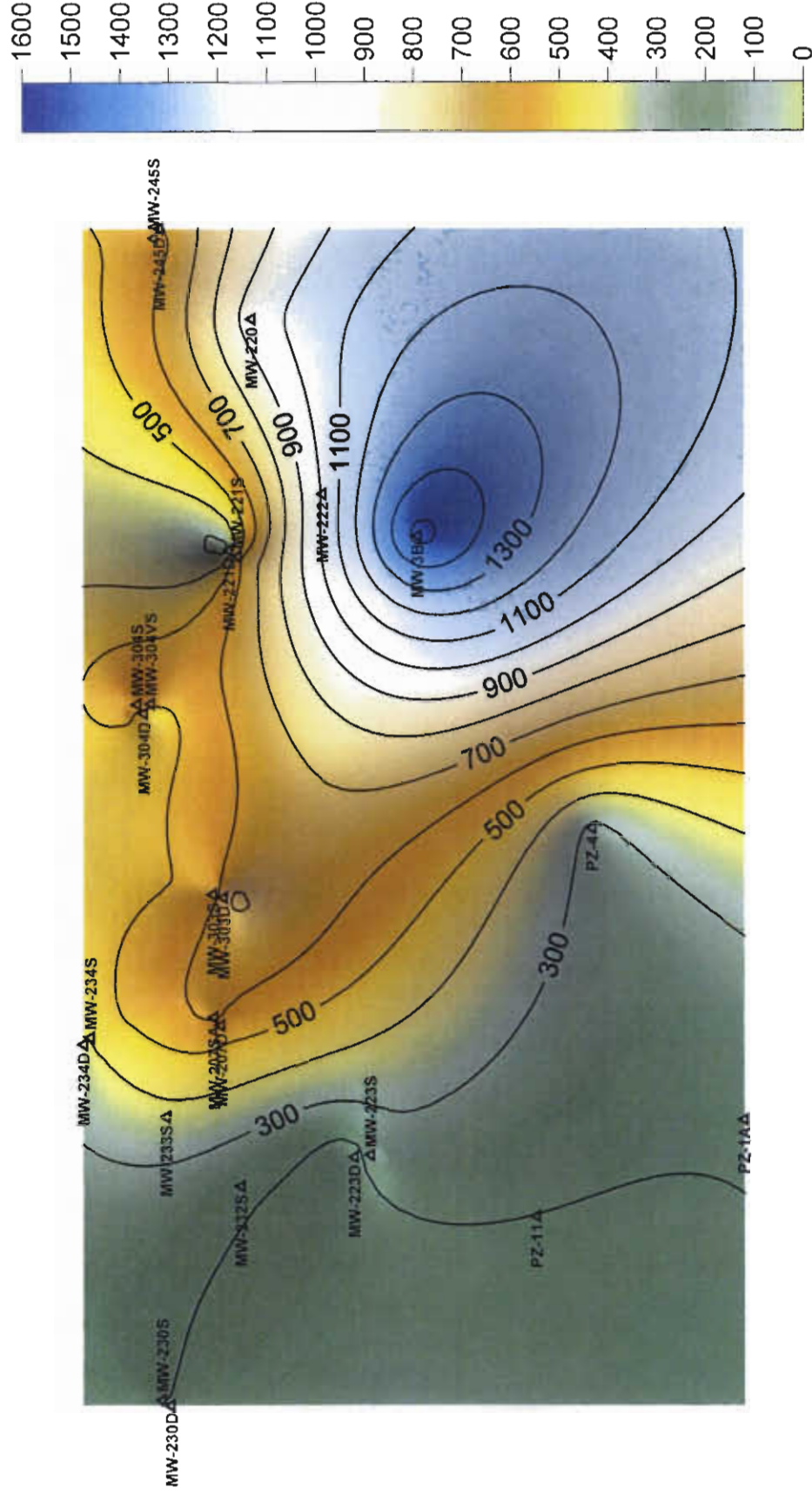
0.02 Concentration Contour Line

Δ MW-304VS Monitoring Well Location

Note: Values reported as < method detection limit are inputted = to method detection limits

Orange County Landfill Goshen, New York

Dissolved Solids Isopleth Map June 2005



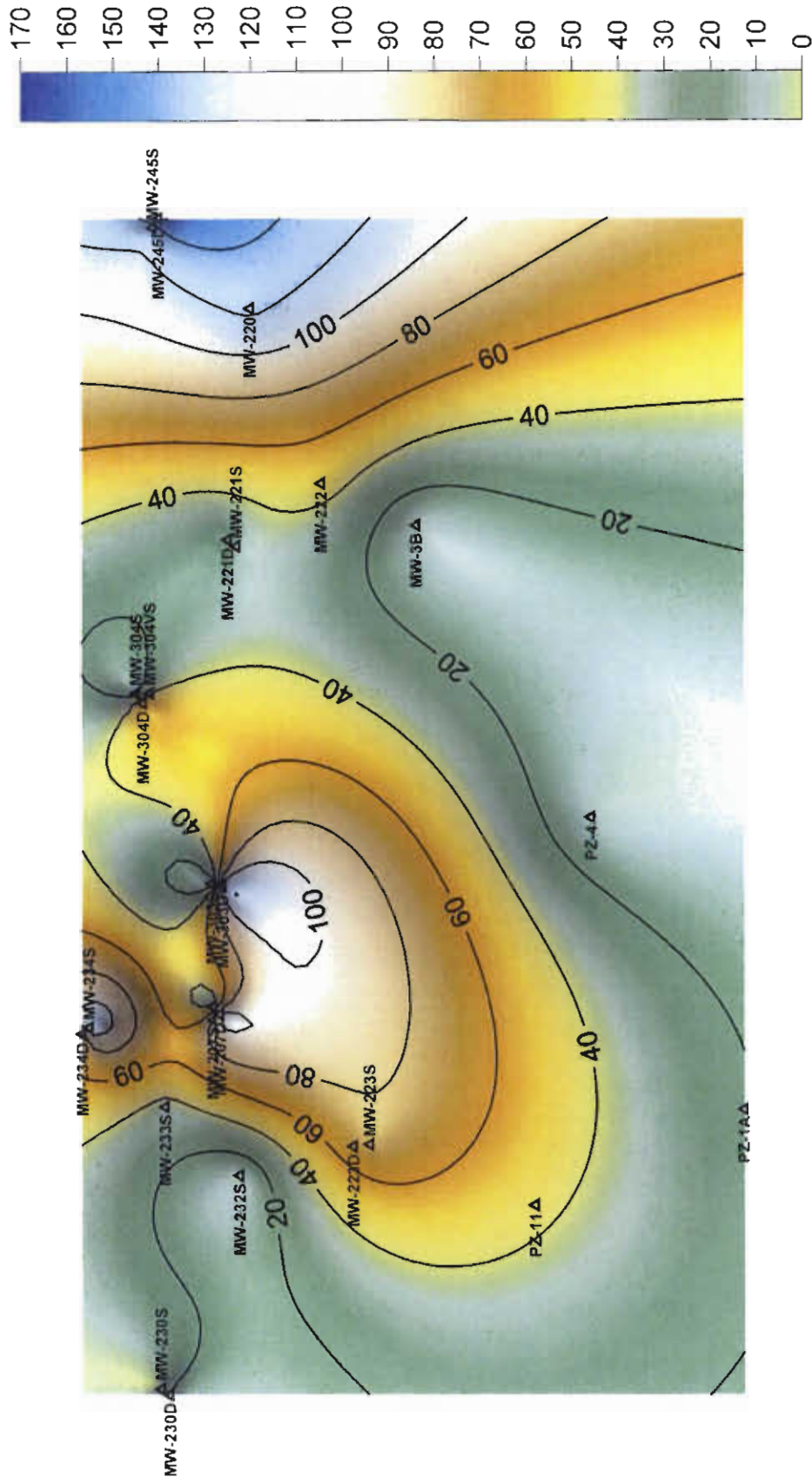
700 Concentration Contour Line

Δ MW-304VS Monitoring Well Location

Note: Values reported as < method detection limit are inputted = to method detection limits

Orange County Landfill Goshen, New York

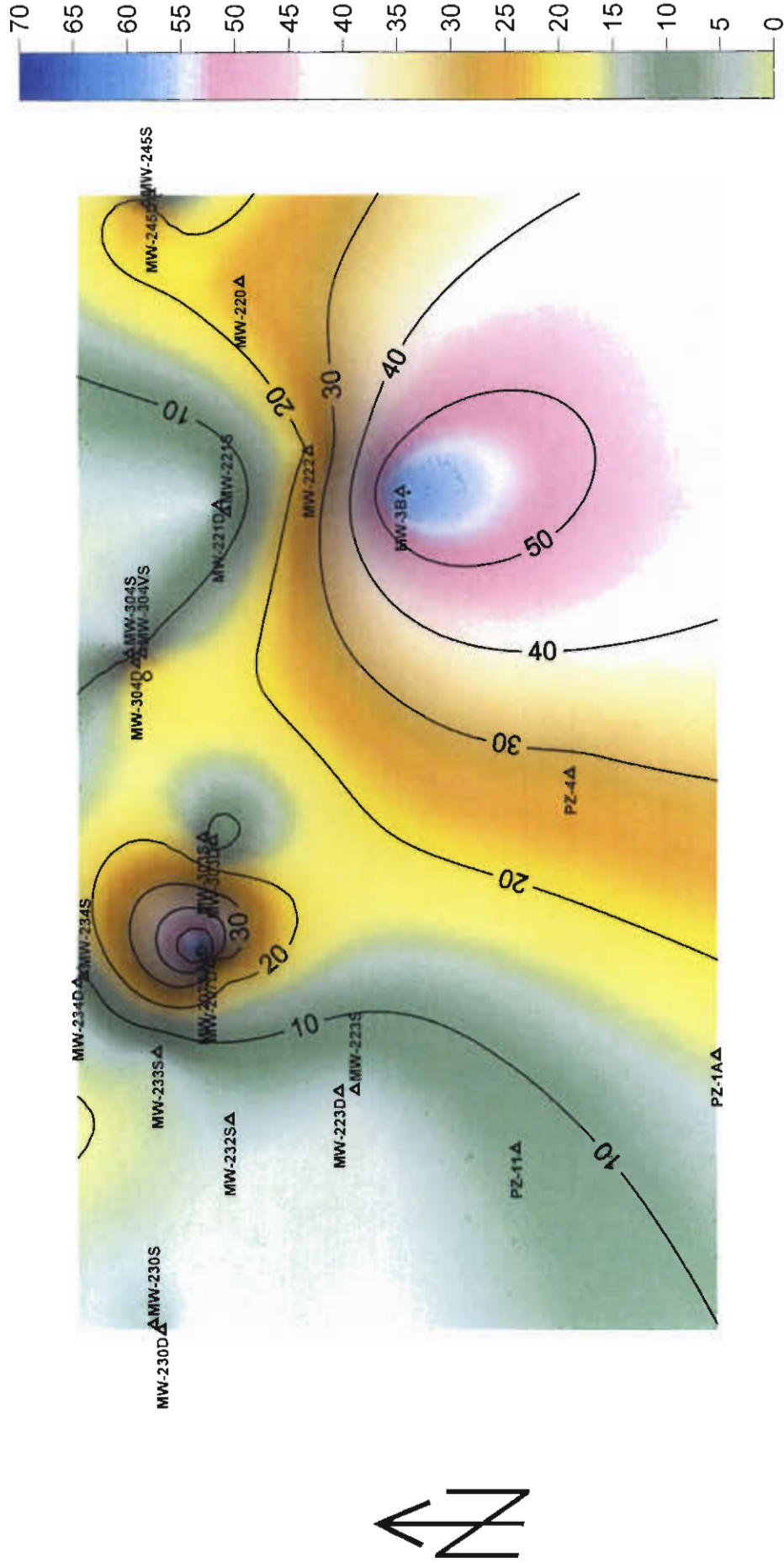
Sulfate as SO4 Isopleth Map June 2005



Note: Values reported as < method detection limit are inputted = to method detection limits

Orange County Landfill Goshen, New York

Arsenic Isopleth Map June 2005



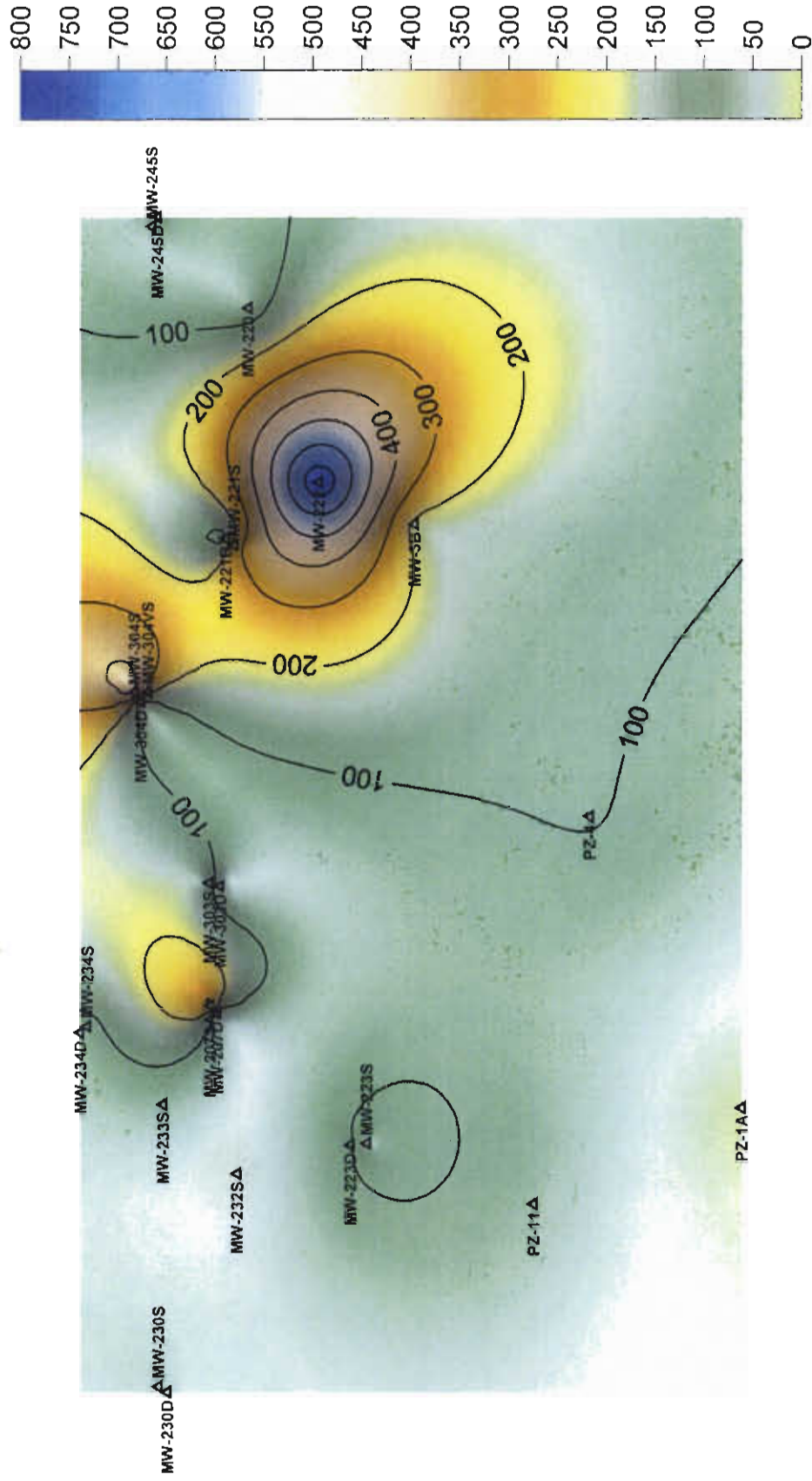
Concentration Contour Line

Monitoring Well Location

Note: Values reported as < method detection limit are inputted = to method detection limits

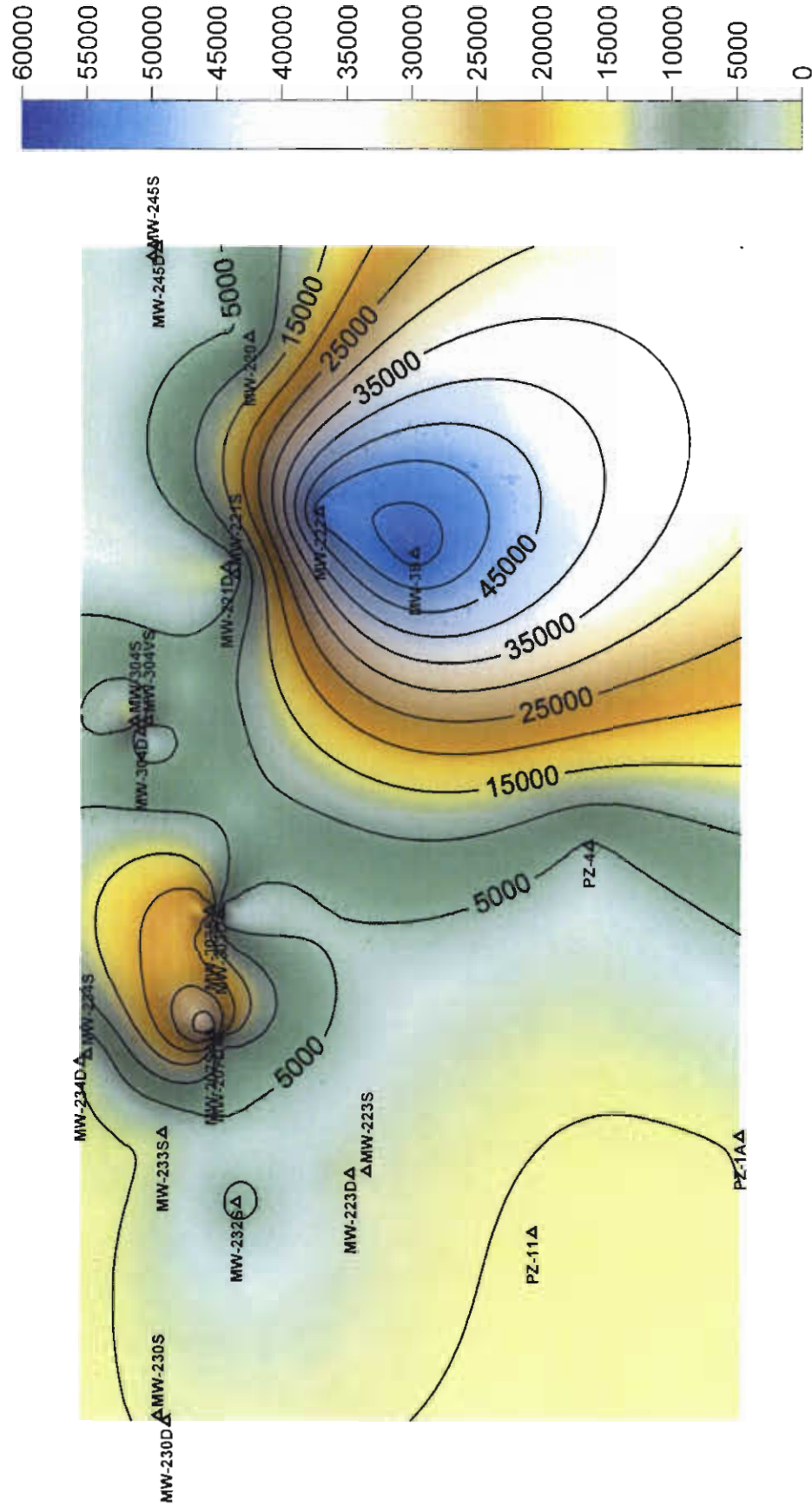
Orange County Landfill Goshen, New York

Barium Isopleth Map June 2005



Note: Values reported as < method detection limit are inputted = to method detection limits

Iron Isopleth Map
June 2005



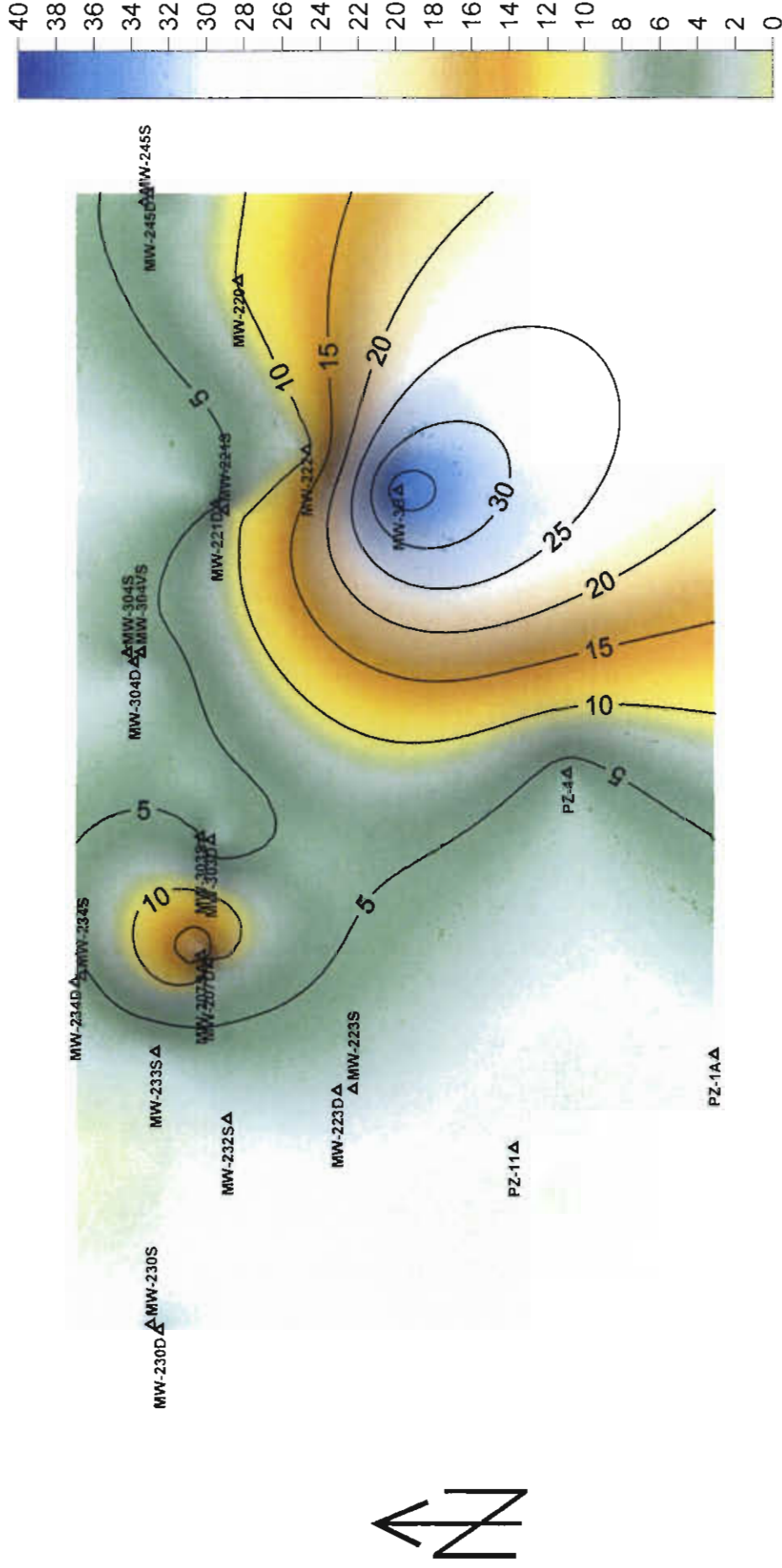
Concentration Contour Line

Monitoring Well Location

Note: Values reported as < method detection limit are inputted = to method detection limits

Orange County Landfill Goshen, New York

Lead Isopleth Map June 2005



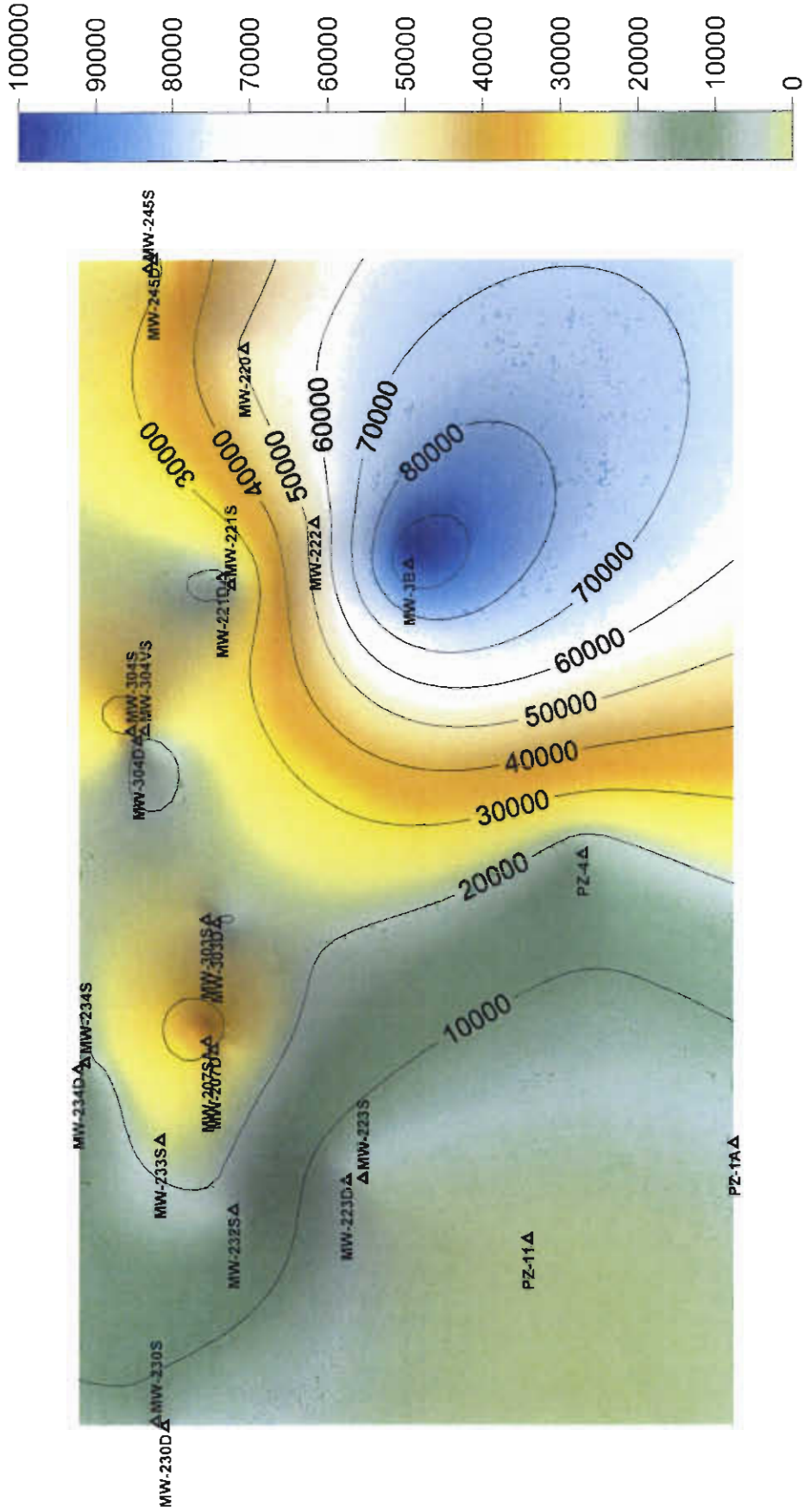
Concentration Contour Line

Monitoring Well Location

Note: Values reported as < method detection limit are inputted = to method detection limits

Orange County Landfill Goshen, New York

Magnesium Isopleth Map June 2005



Concentration Contour Line

Monitoring Well Location

Note: Values reported as < method detection limit are inputted = to method detection limits

Note: Values reported as < method detection limit are inputted = to method detection limits

Potassium Isopleth Map

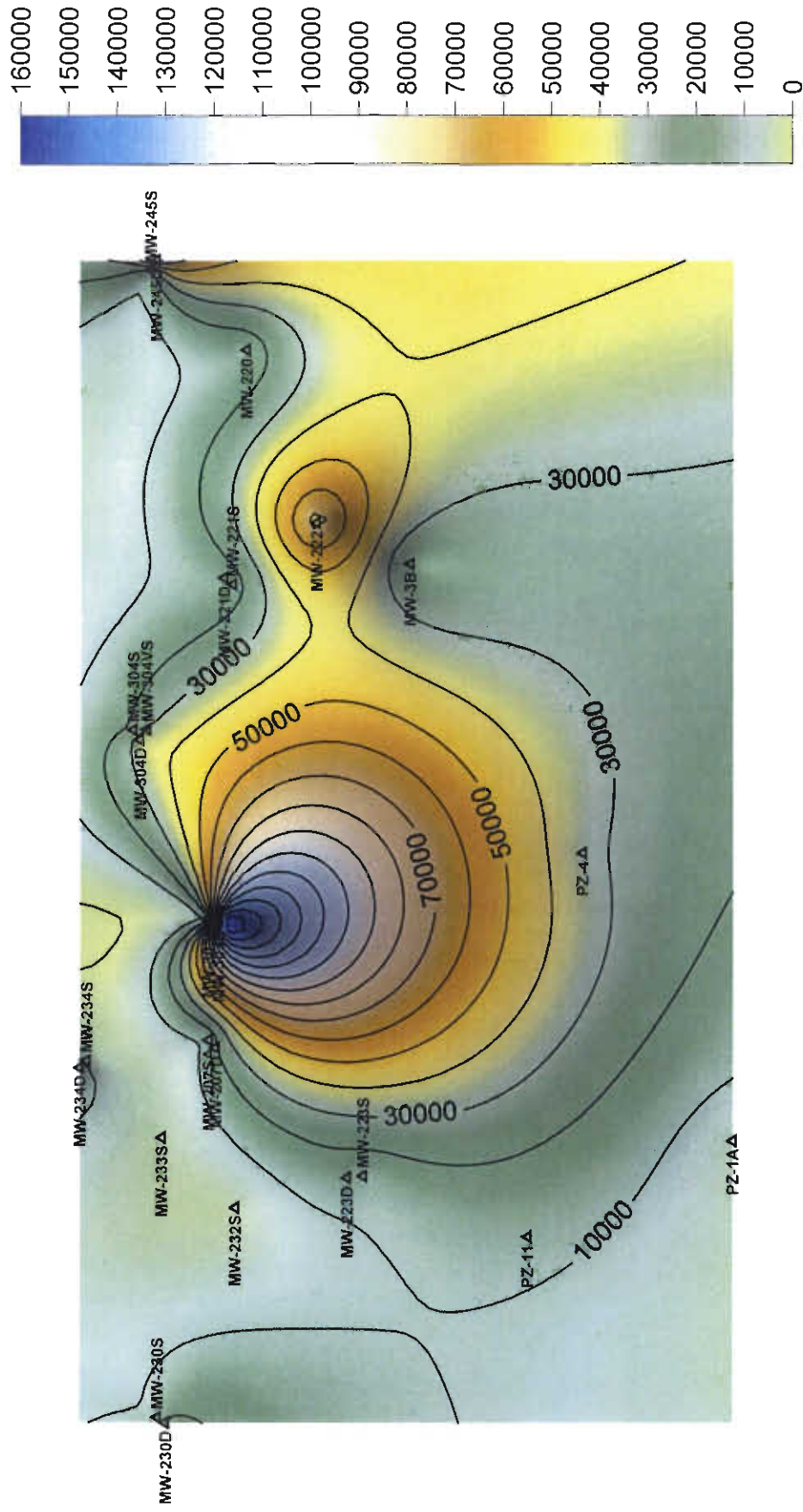
June 2005



Note: Values reported as < method detection limit are inputted = to method detection limits

Orange County Landfill Goshen, New York

Sodium Isopleth Map June 2005



Concentration Contour Line

Δ MW-304VS Monitoring Well Location

Note: Values reported as < method detection limit are inputted = to method detection limits